Addendum 1
U.S. Army BRAC 2005
Site Investigation Report
Fort Monmouth

Final July 2011

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Acronyms and Abbreviations

Acronym	Full Title
µg/m^3	micrograms per cubic meter
Bldg	Building
BRAC	Base Realignment and Closure
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
COC	Constituent of Concern
CWA	Charles Wood Area
DCE	Dichloroethene
ECP	Environmental Condition of Property
ft	foot or feet
FTMM	Fort Monmouth
GWSL	Groundwater Screening Level
IRP	Installation Restoration Program
MP	Main Post
MTBE	Methyl tert-butyl ether
NELAP	National Environmental Laboratory Accreditation Program
NJDEP	New Jersey Department of Environmental Protection
NRIASL	Non-Residential Indoor Air Screening Level
NRS	Non-Residential Standard
NRSL	Non-Residential Screening Level
PCE	Tetrachloroethylene
PID	Photoionization Detector
RAL	Rapid Action Level
RL	Reporting Limit
RR	Railroad
SI	Site Investigation
SOP	Standard Operating Procedure
SRWM	Site Remediation Waste Management
TCE	Trichloroethylene
USEPA	U.S. Environmental Protection Agency
UST	Underground Storage Tank
VI	Vapor Intrusion
VO	Volatile Organic

Executive Summary

Fort Monmouth (FTMM) is an Army installation occupying approximately 1,126 acres in Monmouth County in central New Jersey, approximately 40 miles east of Trenton. FTMM is comprised of two operational areas known as the Main Post (MP) and Charles Wood Area (CWA). Fort Monmouth will hereafter be referred to as FTMM or the "Site" or "Property." When referred to separately, the two operational areas will be referred to as CWA or MP. The MP encompasses the 637-acre area that is generally bounded by State Highway 35 to the west, Parkers Creek to the north, the New Jersey Transit Railroad (RR) to the east, and Main Street and State Highway 71 to the south. The CWA encompasses the 489-acre area bounded by the Garden State Parkway to the west, Tinton Avenue to the north, Maxwell Place and the New Jersey Transit RR to the east, and Pine Brook to the south.

The primary mission of FTMM is to provide command, administrative, and logistical support for Headquarters, U.S. Army Communications and Electronics Command. The support provided by the Garrison is used by tenant activities in the performance of research, development, procurement, and production of prototype communications and electronics equipment for use by the U.S. Armed Forces. The MP provides supporting administrative, training, and housing functions, as well as many of the community and industrial facilities for FTMM. These facilities are distributed across the property, with no distinct clustering of functions. The CWA is used primarily for research and development, testing, housing, and recreation. The CWA research, development, and testing facilities occupy the southwest corner of CWA. The northwest corner formerly consisted of residential units but is currently undeveloped. Residential units currently occupy the southeastern boundary and the golf course occupies the northeast corner.

FTMM was identified as a facility to be closed as part of Base Realignment and Closure (BRAC) 2005. As part of this process, it is necessary for the Army to identify and document the environmental liabilities associated with installations where the BRAC action will involve the disposal of property. The environmental condition of property (ECP) process is the mechanism to provide a summary of the current environmental condition of a property.

A Phase I ECP Assessment was conducted in 2006 and 2007. The final Phase I ECP Report for FTMM was completed on January 29, 2007 [(1)]. The Phase I ECP evaluated the existing environmental conditions, and the property was characterized into parcels according to their environmental condition based on Department of Defense guidelines. Using the results of the Phase I ECP Report, site investigation (SI) sampling recommendations were developed for 21 specific parcels and 2 areas of concern where no existing data or insufficient data were present to fully evaluate the environmental condition of the property. Six parcels are located within the CWA, and the remaining 15 parcels are located within the MP.

The purpose of the SI was to move forward with the recommendations made as part of the Phase I ECP to determine whether hazardous substances or petroleum products have been disposed or released on the property and to obtain defensible evidence that confirms or denies that releases have occurred. The goals of the SI were to further assess the level of environmental liability of each parcel and to close data gaps that were identified during the Phase I ECP. At the conclusion of the July 2008 SI Report, one additional round of vapor intrusion indoor air sampling was recommended at Parcels 15, 34, 43, 50, and 52. This addendum address the additional sampling efforts performed in April 2010.

Field activities were conducted in accordance with New Jersey Department of Environmental Protection (NJDEP) regulations and guidance to evaluate the presence/absence of contamination. Field vapor intrusion investigations included collection of indoor air and soil gas samples in December 2007 and indoor air samples in April 2010 for chemical analysis. Results of the sampling data were compared against applicable NJDEP standards and ambient air levels for the determination of constituents of concern (COCs) on a parcel-specific basis. Based on the identified COCs, parcel-specific recommendations were developed. A summary of the field activities conducted, COCs, and recommendations for each parcel investigated for vapor intrusion are included in **Table ES-1**.

Investigations

Indoor Air

During the December 2007 sampling activities, no constituents present in groundwater were identified in indoor air at concentrations greater than the NJDEP Non-Residential Indoor Air Screening Levels (NRIASLs) in the buildings investigated. One indoor air sample contained two volatile organics (VOs) at concentrations greater than the NJDEP NRIASLs. The compounds benzene and dichloromethane were detected in indoor air at Parcel 43 [Building (Bldg) 1122]. Neither compounds were detected above applicable criteria in soil gas or groundwater, and both are suspected to be attributable to activities within the building. No VOs were detected at concentrations above the NRIASLs in indoor air samples collected in Parcel 15 (Bldg 2700) or Parcel 50 (Bldg 283). Additional indoor air sampling was recommended for Parcels 15, 34, 43, 50, and 52 to confirm constituents identified in groundwater and soil gas are not present in indoor air at levels above applicable criteria.

During the April 2010 sampling activities, constituents were detected at concentrations greater than the NJDEP NRIASLs at Parcel 15 [benzene, chloroform, trichloroethylene (TCE), and tetrachloroethylene (PCE)], Parcel 43 (benzene and PCE), Parcel 50 (PCE), and Parcel 52 (benzene and TCE).

Table ES-1
Fort Monmouth
Main Post and Charles Wood Area
Vapor Intrusion Investigation Summary

Location	Parcel Number	ECP Category	ECP Label	Size of Parcel (Acres)	Building No. / Site Name/AEDB-R Site No. (where applicable)	Data Gap Investigated	Summary of Field Activities and Samples Collected During the Vapor Intrusion Investigation	Constituents of Concern (COCs) Identified	Recommendations
CWA	15	(7)	HS/HR(P)/PS/PR	38.0	2700 (Myer Center) 2705 FTMM-23 (CW-2)	vapor intrusion	**Round 1 - December 2007** 15 indoor air samples 15 soil gas samples **Round 2 - April 2010** 15 indoor air samples	**Soil Gas:** TCE, PCE, VC, benzene **Indoor Air Samples:** Round 1 - No COCs Round 2 - benzene, chloroform, TCE, and PCE	**Additional indoor air and sub-slab soil gas sampling is recommended. 24-hour indoor air sampling, followed immediately by collection of a 1-hour sub-slab soil gas sample is recommended at each location previously sampled for indoor air.**
CWA	34	(2)	PS/PR	1.3	2567 - AAFES Gasoline Station (FTMM-58)	vapor intrusion	**Round 1 - December 2007** 3 soil gas samples **Round 2 - April 2010** 2 indoor air samples	**Soil Gas Samples:** Benzene **Indoor Air Samples:** No COCs	**One additional indoor air and sub-slab soil gas sample is recommended. 24-hour indoor air sampling, followed immediately by collection of a 1-hour sub-slab soil gas sample is recommended at each location previously sampled for indoor air.**
MP	43	(7)	HS/HR(P)/PS/PR(P)	1.5	1122 - Do-it-Yourself Auto Repair and Craft Shop	vapor intrusion	**Round 1 - December 2007** 6 sediment samples 4 soil gas samples 1 indoor air sample **Round 2 - April 2010** 2 indoor air samples	**Soil Gas Samples:** VOs (PCE, TCE) **Indoor Air Samples:** Round 1 - benzene, dichloromethane Round 2 - benzene, PCE	**Additional indoor air and sub-slab soil gas sampling is recommended. 24-hour indoor air sampling, followed immediately by collection of a 1-hour sub-slab soil gas sample is recommended at each location previously sampled for indoor air.**
MP	50	(2)	PS/PR	2.2	Former Fuel Distribution Facility, Former USTs FTMM-54 (Bldg 296) FTMM-55 (Bldg 290) FTMM-61 (Bldg 283)	vapor intrusion	**Round 1 - December 2007** 5 soil gas samples 9 indoor air samples **Round 2 - April 2010** 9 indoor air samples	**Soil Gas Samples:** Benzene, PCE **Indoor Air Samples:** Round 1 - No COCs Round 2 - PCE	**Additional indoor air and sub-slab soil gas sampling is recommended. 24-hour indoor air sampling, followed immediately by collection of a 1-hour sub-slab soil gas sample is recommended at each location previously sampled for indoor air.**
MP	52	(2)	HS/PS/PR	1.4	FTMM-53, Bldg 699 - gasoline service station	vapor intrusion	**Round 1 - December 2007** 4 soil gas samples **Round 2 - April 2010** 3 indoor air samples	**Soil Gas Samples:** PCE **Indoor Air Samples:**benzene, TCE	**Additional indoor air and sub-slab soil gas sampling is recommended. 24-hour indoor air sampling, followed immediately by collection of a 1-hour sub-slab soil gas sample is recommended at each location previously sampled for indoor air.**

1 Introduction and Scope of Work

This SI summary report has been produced as an addendum to the U.S. Army BRAC Site Investigation Report, Fort Monmouth [5].

1.1 Project Background

Refer to Section 1.1, Project Background, of the July 2008 SI Report [5] for further details.

1.2 Project Objectives

The purpose of the SI was to move forward with the recommendations made as part of the Phase I ECP to determine whether hazardous substances or petroleum products have been disposed or released on the property and to obtain defensible evidence that confirms that releases have or have not occurred.

Based on Section 4.2 of the SI Report, one additional round of indoor air sampling was recommended at Parcel 15 (Bldg 2700), Parcel 34 (Bldg 2567), Parcel 43 (Bldg 1121), Parcel 50 (Bldg 283), and Parcel 52 (Bldg 699). This addendum summarizes the additional indoor air sampling effort and results at these five parcels.

1.3 Scope of Report

This report contains a discussion of the field sampling procedures applicable to indoor air sampling activities conducted at Parcel 15, Parcel 34, Parcel 43, Parcel 50, and Parcel 52 as well as the results of the sampling activities.

1.4 Addendum Organization

This addendum has been organized into the following sections:

- Executive Summary.
- Section 1 discusses the project scope and site background.
- Section 2 discusses the various field activities that were performed during the April 2010 sampling effort as well as the sample management and analytical methods utilized.
- Section 3 presents the site-specific field sampling conducted and results of the April 2010 investigations, including sampling tables and maps for each SI site.
- Section 4 presents the summary and recommendations.
- Section 5 presents cited references.

- **Attachment A** contains the Indoor Air Survey and Sampling Forms.
- **Attachment B** contains copies of field logbooks.
- **Attachment C** includes the data validation reports.
- **Attachment D** includes analytical data packages for all sample analyses completed in association with the second round of indoor air sampling conducted in April 2010.

2 Site Investigation Methodologies

2.1 Field Investigation Methodologies

The field sampling methodologies associated with indoor air sampling conducted in April 2010 are included in Section 2.1.7.2 of the July 2008 SI Report. Note that additional methodologies are included in Section 2.1.7.2 of the July 2008 SI Report pertaining to soil gas and other sampling procedures that were implemented during the initial round of SI sampling in 2007, but not in April 2010. Indoor air was the only media collected in April 2010.

2.1.1 Vapor Intrusion

Per NJDEP guidance and consistent with U.S. Environmental Protection Agency (USEPA) policy, the NJDEP recommends investigation of vapor intrusion (VI) where structures are within 100 feet (ft) horizontally or vertically of shallow groundwater contamination in excess of groundwater screening levels (GWSLs). Because of aerobic biodegradation associated with petroleum hydrocarbon contamination [particularly benzene, toluene, ethylbenzene, and xylenes (BTEX)], a 30-ft distance criterion is utilized [(2).] Groundwater has been extensively evaluated at FTMM through the Installation Restoration Program (IRP) and analysis of groundwater samples in conjunction with individual underground storage tank (UST) closures under the FTMM UST program. Based on the location of existing buildings and comparison of groundwater analytical results to the GWSL, VI was determined in the Phase I ECP to be a potential concern at the following locations:

- MP:
    - FTMM-53 (Bldg 699) – BTEX and methyl tert-butyl ether (MTBE) have been detected in groundwater above the GWSLs.
    - FTMM-59 (Bldg 1122) – PCE has been detected in groundwater above the GWSL.
    - FTMM-61 (Bldg 283) – BTEX have been detected in groundwater above the GWSLs.
- CWA:
    - FTMM-22 (CW-1, Bldg 2700) – PCE, TCE, and dichloroethene (DCE) have been detected in groundwater above the GWSLs.
    - FTMM-58 (Bldg 2567) – Benzene, DCE, and MTBE have been detected in groundwater above the GWSLs.

All sampling procedures outlined in the October 2005 NJDEP VI Guidance [(2)] and the 2005 NJDEP Field Sampling Procedures Manual [(3)] were followed for the collection of indoor air.

2.1.1.1 Indoor Air Sampling

Indoor air samples were collected in order to determine whether a potential pathway exist for constituents present in groundwater and sub-slab soil gas into indoor air. The April 2010 indoor air results are used to supplement sub-slab soil gas and indoor air samples collected in December 2007.

A laboratory holding a current certification/accreditation from the NJDEP Office of Quality Assurance for the NJDEP – Site Remediation Waste Management (SRWM) USEPA TO-15 Method was utilized to provide the canisters and to perform the analyses.

Six-liter stainless SUMMA canisters were utilized for sample collection. Breathing zone height (3 to 5 ft) was targeted for ground floor sample collection, and basement samples were positioned as close as possible to the potential intrusion area(s) (e.g., sumps, major cracks in foundation). One ambient (outdoor) sample was collected per parcel concurrently with the indoor samples to assist in evaluating background chemical levels. This ambient air sample was collected at breathing zone height and located in a reasonably representative area (e.g., not immediately next to auto traffic or other potential sources). Air samples were collected over a 24-hour period, and air filters were utilized for each canister to prevent clogging. The certified laboratory provided stainless steel canisters with pre-set regulators.

A building walkthrough was conducted prior to indoor air sampling to address:

- Detection of potential background sources of VOs.
- Determination of the building construction.
- Recognition of points of VI in a structure.
- Identification of possible sample locations.
- Education of the occupants on VI and sampling procedures.

The building walkthroughs were conducted on April 21, 2010. The *Indoor Air Building Survey and Sampling Form* [Appendix B to the NJDEP VI Guidance (2)] was completed for each building investigated in conjunction with the building walkthroughs and sampling event and copies are included in **Attachment A**. Copies of field logbooks completed during field activities are included in **Attachment B**.

Potential sources of VOs identified during the building walk-throughs included the following:

- Building 699 –

  - Service garage area – gasoline storage cans, house cleaning products, polishes/waxes, and tire puncture seal (tire puncture seal label indicated it contains TCE)
  - Storage room – house cleaning products and insecticides
  - Convenience store – house cleaning products, insecticides, and air frasheneers

- Building 283 – cleaning solvents, carpet/upholstery cleaner, other house cleaning products, and air fresheners
- Building 2700 –
  - Storage area – gasoline storage cans, gas-powered equipment,
  - First Floor Storage area (Janitors closet) - paints/thinners/strippers, cleaning solvents
  - Room MR14 – cleaning solvents, polishes/waxes, furniture/floor polish
  - Throughout Building – other house cleaning products and air fresheners

A photoionization detector (PID) was utilized during building walkthroughs and during sampling events to identify items such as individual cans of solvents that could be potential vapor sources in order to remove them from the building in advance of the sampling event when feasible. No readings were registered on the PID detector during building walkthroughs at the majority of sample locations. However, a few low-level readings (less than 1 part per million [ppm]) were registered during the pre-sampling building walk through (0.9 ppm within the auto garage in the northeast corner of Building 1122; 0.3 to 0.6 ppm in the ceramics shop in the southwest portion of Building 1122; 0.0 to 0.2 ppm in the basement of Building 283; 0.1 ppm in the garage portion of Building 699; and 0.4 ppm in the store room of Building 2567) and during set-up of sample canisters (0.1 ppm at 15IA-14,; 0.2 ppm at 52IA-2 and 52IA-3; 0.1 ppm at 43IA-1; and 0.5 ppm at 43IA-2).

The general condition of the slab and walls was documented as part of the Building Survey form. The investigators noted the presence of sumps, cleanouts, and floor drains.

2.1.2 Action Levels

Chemical analytical data were compared against NJDEP criteria and COCs were identified on a parcel-specific basis. The sampling data were compared to the NJDEP Generic VI NRIASLs. The NRIASLs have been deemed the most appropriate criteria based on the current industrial land use at FTMM.

2.2 Sample Management and Analysis

Sample Management and Analysis was performed in accordance with Section 2.4 of the SI Report.

2.2.1 Analytical Program

Indoor air samples were analyzed by an off-site laboratory certified by the New Jersey Environmental Laboratory Certification Program in the method entitled NJDEP-SRWM USEPA Method TO-15, January 1999. The off-site laboratory is also National Environmental Laboratory Accreditation Program (NELAP) approved. **Table 2-1** presents the compounds analyzed and their associated reporting limits (RLs) for the 6-Liter canisters that were used for this project.

2.3 Quality Control

To ensure the quality of the data presented in this addendum, all field procedures were conducted in accordance with methodologies outlined in Section 2.1 and standard operating procedures (SOPs) included in Appendix B of the July 2008 SI Report. The field sampling SOP methodologies utilized were developed based on the NJDEP Field Sampling Procedures Manual, N.J.A.C. 7:14 – Technical Requirements for Site Remediation, and N.J.A.C 7:14B – Underground Storage Tanks. All laboratory analyses were conducted by a NJDEP certified and NELAP approved laboratory.

Data were reviewed and validated using a combination of method-specific criteria and the Region II SOP *USEPA Hazardous Waste Support Branch Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15* (SOP HW-31; Rev 4; October 2006). The data qualifier scheme utilized was consistent with the Region II SOP. All qualifiers were incorporated into the analytical database and are presented in site-specific analytical results tables included in **Section 3**. Complete data validation reports are included in **Attachment C**.

Shaw also collected at least one duplicate indoor air sample and one ambient air sample for each building. Additional information on quality control performed as part of the indoor air sampling is outlined in Section 2.5 of the July 2008 SI Report.

Table 2-1
List of Required Compounds, Molecular Weights and NJDEP Required Reporting Limits - NJDEP-SRWM USEPA Method TO-15

Required Compound Name	CAS Number	Molecular Weight	6-Liter Canister Reporting Limits (ppbv)	1, 2.7 & 3.2-Liter Canister Reporting Limits (ppbv)
Acetone	67-64-1	58.08	5.0	50.0
Allyl chloride	107-05-1	76.53	0.20	2.0
Benzene	71-43-2	78.11	0.20	2.0
Bromodichloromethane	75-27-4	163.8	0.20	2.0
Bromoform	75-25-2	252.8	0.20	2.0
Bromomethane	74-83-9	94.94	0.20	2.0
1,3-Butadiene	106-99-0	54.09	0.20	2.0
Chlorobenzene	108-90-7	112.6	0.20	2.0
Chloroethane	75-00-3	64.52	0.50	50.0
Chloroform	67-66-3	119.4	0.20	2.0
Chloromethane	74-87-3	50.49	0.50	50.0
Carbon disulfide	75-15-0	76.14	0.50	5.0
Carbon tetrachloride	56-23-5	153.8	0.20	2.0
2-Chlorotoluene	95-49-8	126.6	0.20	2.0
Cyclohexane	110-82-7	84.16	0.20	2.0
Dibromochloromethane	124-48-1	208.3	0.20	2.0
1,2-Dibromoethane	106-93-4	187.9	0.20	2.0
1,2-Dichlorobenzene	95-50-1	147.0	0.20	2.0
1,3-Dichlorobenzene	541-73-1	147.0	0.20	2.0
1,4-Dichlorobenzene	106-46-7	147.0	0.20	2.0
Dichlorodifluoromethane	75-71-8	120.9	0.50	5.0
1,1-Dichloroethane	75-34-3	98.96	0.20	2.0
1,2-Dichloroethane	107-06-2	98.96	0.20	2.0
1,1-Dichloroethene	75-35-4	96.94	0.20	2.0
1,2-Dichloroethene (cis)	156-59-2	96.94	0.20	2.0
1,2-Dichloroethene (trans)	156-60-5	96.94	0.20	2.0
1,2-Dichloropropane	78-87-5	113.0	0.20	2.0
1,3-Dichloropropene (cis)	10061-01-5	111.0	0.20	2.0
1,3-Dichloropropene (trans)	10061-02-6	111.0	0.20	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	170.9	0.20	2.0
1,4-Dioxane	123-91-1	88.12	5.0	50.0

Table 2-1 (Continued)
List of Required Compounds, Molecular Weights and NJDEP Required Reporting Limits - NJDEP-SRWM USEPA Method TO-15

Required Compound Name	CAS Number	Molecular Weight	6-Liter Canister Reporting Limits (ppbv)	1, 2.7 & 3.2-Liter Canister Reporting Limits (ppbv)
Ethanol*	64-17-5	46.07	0.20	2.0
Ethylbenzene	100-41-4	106.2	0.20	2.0
4-Ethyltoluene	622-96-8	120.2	0.20	2.0
n-Heptane	142-82-5	100.2	0.20	2.0
1,3-Hexachlorobutadiene	87-68-3	260.8	0.20	2.0
n-Hexane	110-54-3	86.17	0.20	2.0
Isopropanol*	67-63-0	60.10	0.20	2.0
Methylene chloride	75-09-2	84.94	0.50	5.0
Methyl ethyl ketone	78-93-3	72.11	0.50	5.0
Methyl isobutyl ketone	108-10-1	100.2	0.50	5.0
Methyl methacrylate	80-62-6	100.12	0.50	5.0
Methyl tert-butyl ether	1634-04-4	88.15	0.20	2.0
Styrene	100-42-5	104.1	0.20	2.0
Tert-butyl alcohol	75-65-0	74.12	5.0	50.0
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.20	2.0
Tetrachloroethylene	127-18-4	165.8	0.20	2.0
Tetrahydrofuran	109-99-9	72.11	5.0	50.0
Toluene	108-88-3	92.14	0.20	2.0
1,2,4-Trichlorobenzene	120-82-1	181.5	0.50	5.0
1,1,1-Trichloroethane	71-55-6	133.4	0.20	2.0
1,1,2-Trichloroethane	79-00-5	133.4	0.20	2.0
Trichloroethylene	79-01-6	131.4	0.20	2.0
Trichlorofluoromethane	75-69-4	137.4	0.20	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	187.4	0.20	2.0
1,2,4-Trimethylbenzene	95-63-6	120.2	0.20	2.0
1,3,5-Trimethylbenzene	108-67-8	120.2	0.20	2.0
2,2,4-Trimethylpentane	540-84-1	114.2	0.20	2.0
Vinyl bromide	593-60-2	106.9	0.20	2.0
Vinyl chloride	75-01-4	62.50	0.20	2.0
Xylenes (m&p)	1330-20-7	106.2	0.50	5.0
Xylenes (o)	95-47-6	106.2	0.20	2.0

3 Site-Specific Results

This section summarizes the parcel-specific results of the April 2010 indoor air sampling performed at FTMM. A total of 37 indoor air (including five ambient air samples) were collected at five parcels - Parcel 15 (Building 2700), Parcel 34 (Building 2567), Parcel 43 (Building 1122), Parcel 50 (Building 283), and Parcel 52 (Building 699). Field sampling was conducted from April 24, 2010 through April 27, 2010. **Table 3.0-1** summarizes the locations of all indoor air samples collected in April 2010.

The field sampling methodologies referenced herein as well as details pertaining to the analytical program are summarized in **Section 2.0**. Copies of the Chain-of-Custody forms are presented in **Attachment D**, as part of the complete laboratory analytical reports. All figures within this report utilize aerial photographs from 2002 as a backdrop. These photographs are high resolution and geo-referenced; however, in some cases site features have changed since 2002. In most cases, the general land use depicted on figures is consistent with current features and land use. For comparison purposes, both soil gas and indoor air analytical results from December 2007 and indoor air results from April 2010 were plotted on the figures, if one sampling event exceeded its respective NJDEP screening level guideline.

3.1 Parcel 15 – Bldg 2700

3.1.1 Site Description

The Myer Center facility (Bldg 2700) is located in the CWA of FTMM at the intersection of Pearl Harbor Avenue and Corregidor Road. Further details on the site description of Parcel 15 (Bldg 2700) are provided in Section 3.3.1 of the July 2008 SI Report.

3.1.2 Previous Investigations

Details on previous investigations performed at Parcel 15 are included in Section 3.3.2 of the July 2008 SI Report. Through previous investigations conducted under the IRP, groundwater VO contamination has been identified in close proximity to Bldg 2700. Per NJDEP guidance and consistent with USEPA policy, the NJDEP recommends investigation of VI where structures are within 100 ft horizontally or vertically of shallow groundwater contamination in excess of GWSLs (2). PCE, TCE, and dichloroethene (DCE) have been detected above the GWSLs in groundwater proximal to Building 2700.

As part of the 2008 SI, 15 near-slab soil gas and 15 indoor air samples were collected and analyzed at Parcel 15 to evaluate the potential for VI at this facility. The collection of these samples occurred in December 2007. Details on the sampling effort are provided in Sections 3.3.3 and 3.3.4 of the July 2008 SI Report [(5)]. Four VOs (benzene, PCE, TCE, and vinyl chloride) were detected in near-slab soil gas at concentrations that exceeded NJDEP Non-Residential Soil Gas Screening Levels (NRSGSLs), and no constituents were detected in indoor air at concentrations above the NJDEP NRIASLs for the same December 2007 sampling event. Sample locations are displayed on **Figure 3.1-1**.

Table 3.0-1
April 2010 Fort Monmouth Indoor Air Field Sampling Program

Media	Type	Field Sample #	Sample Install Date	Sample Install Time (24-Hr Clock)	Sample Retrieve Date	Sample Retrieve Time (24-hr Clock)	COMMENTS/Location Description
Building 2700 - Parcel 15							
IA	CANISTER	15IA-1	04/24/10	0935	04/25/10	1005	Basement - Round 1 (December 2007) - ROOM OA504 - 1 can in center of room between the two sumps Basement - Round 2 - Canister placed in hallway immediately outside oom OA504 (Room OA504 had been remodeled as office space and door was locked)
IA	CANISTER	15IA-2	04/24/10	0930	04/25/10	1005	Basement - ELEVATOR - 1 can in basement on far side of building, southeast corner of building
IA	CANISTER	15IA-3	04/24/10	0945	04/25/10	1010	Basement - SUBSTATION 7 - 1 can on exterior wall
IA	CANISTER	15IA-4	04/24/10	0955	04/25/10	1015	Basement - In hallway across from Rm OA336/OA337
IA	CANISTER	15IA-5	04/24/10	1025	04/25/10	1035	First Floor - UP STAIRWAY - 1 can adjacent to 1AB328 sign on boiler room wall side
IA	CANISTER	15IA-6	04/24/10	1000	04/25/10	1020	Basement - BOILER ROOM - 1 can placed on left side of room under metal stair case
IA	CANISTER	15IA-7	04/24/10	1005	04/25/10	1020	Basement - BOILER ROOM - 1 can placed next to blue tanks along courtyard wall of room, northeast of the sumps
IA	CANISTER	15IA-8	04/24/10	1010	04/25/10	1020	Basement - BOILER ROOM - 1 can placed on courtyard wall between sumps (NW of above)
IA	CANISTER	15IA-9	04/24/10	1015	04/25/10	1025	Basement - FREIGHT ELEVATOR - 1 can on lower level by freight elevator door
IA	CANISTER	15IA-10	04/24/10	1020	04/25/10	1030	Ground Floor - TRUCK LOADING DOCK - 1 can in middle of room (1st floor)
IA	CANISTER	15IA-11	04/24/10	1030	04/25/10	1035	Ground Floor - Janitor closet across the hallway from Rm 1AB318
IA	CANISTER	15IA-12	04/24/10	1035	04/25/10	1040	Ground Floor - MACHINE ROOM 14 - 1 can next to sump
IA	CANISTER	15IA-12 DUPLICATE	04/24/10	1035	04/25/10	1040	Ground Floor - MACHINE ROOM 14 - 1 can next to sump
IA	CANISTER	15IA-13	04/24/10	1050	04/25/10	1045	Ground Floor - At base of Stairway 3 at Visual Information Room 1B141(next to locked cage)
IA	CANISTER	15IA-14	04/24/10	1055	04/25/10	1055	Ground Floor - BLUE RAMPS - 1 can in center of hallway between the two ramps (near Stairway 2)
IA	CANISTER	15IA-15	04/24/10	1100	04/25/10	1100	Ground Floor - Auditorium - Within the crawl space at bottom of ladder at trap door entrance - door located behing wood slat wall in back of auditorium.
BLANK	AMBIENT	15IA-AMBIENT	04/24/10	1115	04/25/10	1105	Outside in courtyard (see figure for location)
Building 2567 - Parcel 34							
IA	CANISTER	34IA-1	04/24/10	0800	04/25/10	0800	Inside small office behind register
IA	CANISTER	34IA-2	04/24/10	0805	04/25/10	0805	Inside store room
BLANK	AMBIENT	34IA-3 Ambient	04/24/10	0810	04/25/10	0810	Outside at the front of the building (see figure for location)
Building 1122 - Parcel 43							
IA	CANISTER	43IA-1	04/26/10	0845	04/27/10	0845	West corner of Building in Craft Shop on shelf to right as entering room from Auto Repair Room
IA	CANISTER	43IA-2	04/26/10	0855	04/27/10	0855	Northeast corner of Building near previous soil gas location where PCE and TCE were detected above soil gas criteria.
BLANK	AMBIENT	43IA-AMBIENT	04/26/10	0910	04/27/10	0910	Behind storage building north of Bldg 1122 (see figure).
Building 283 - Parcel 50							
IA	CANISTER	50IA-1	04/24/10	0820	04/25/10	0820	Basement (inside opening to crawl space).
IA	CANISTER	50IA-2	04/24/10	0815	04/25/10	0820	Basement (roughly midway between 50IA-1 and 50IA-3)
IA	CANISTER	50IA-3	04/24/10	0810	04/25/10	0820	Basement (by wire fence/divider)
IA	CANISTER	50IA-4	04/24/10	0825	04/25/10	0830	Hallway (by Room 144)
IA	CANISTER	50IA-5	04/24/10	0830	04/25/10	0830	Hallway (by Room 130)
IA	CANISTER	50IA-6	04/24/10	0835	04/25/10	0830	Hallway (between vending machines across from Room 126)
IA	CANISTER	50IA-7	04/24/10	0840	04/25/10	0835	Conference Room/Break Room (Room 117)
IA	CANISTER	50IA-8	04/24/10	0850	04/25/10	0840	Mechanical room (access through Room 117)
IA	CANISTER	50IA-9	04/24/10	0845	04/25/10	0850	Conference Room (Room 115)
BLANK	AMBIENT	50IA-10AMBIENT	04/24/10	0855	04/25/10	0845	outside of building on loading dock
Building 699 - Parcel 52							
IA	CANISTER	52IA-1	04/25/10	0930	04/26/10	0930	East side of store room
IA	CANISTER	52IA-2	04/25/10	0935	04/26/10	0935	West side of store room
IA	CANISTER	52IA-3	04/25/10	0940	04/26/10	0940	In garage closet
BLANK	AMBIENT	52IA-4 Ambient	04/25/10	1110	04/26/10	1010	Outside, rear of building

Based on NJDEP VI guidance (2), the 2008 SI recommended a second round of indoor air sampling for Bldg 2700.

3.1.3 Site Investigation Sampling

Fifteen indoor air samples and 1 duplicate sample (15IA-12DUP) were collected within Bldg 2700 in April 2010. In addition, 1 ambient (outdoor) sample (15IA-Ambient) was concurrently collected at Parcel 15 to assist in evaluating background chemical levels.

Table 3.1-1 presents a summary of the December 2007 and April 2010 VI field activities performed at Parcel 15 and **Table 3-1** presents detailed descriptions of indoor air sample locations within the building. Sample locations are provided on **Figure 3.1-1**.

Table 3.1-1
Parcel 15 Vapor Intrusion Sampling Location, Rationale, and Analytical

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
15IA-1 through 15IA-15 (17 samples – includes 1 duplicate and 1 ambient)	April 2010	Indoor air	Fifteen (15) indoor air samples were collected throughout Bldg 2700 at similar locations where indoor air samples were collected in December 2007 to confirm results of the 2007 sampling event. One ambient air sample was collected from outside the building and one duplicate canister was setup at location 15IA-12.	NJDEP – USEPA TO-15 Method
15SG-1 through 15SG-15	December 2007	Near-slab soil gas	Fifteen (15) near-slab soil gas samples were collected at Bldg 2700. Due to the thickness of the building concrete slab (18 to 24 inches); the installation of temporary sub-slab sampling ports was not feasible. Groundwater flow direction is from the west and VOs have been detected above GWSLs within the courtyard of Bldg 2700. Therefore, 12 sample locations were biased to the walls of Bldg 2700 on the east side of the courtyard downgradient of the detected contaminants. Three locations were biased to the walls of Bldg 2700 on the west side of the courtyard due to close proximity of the building to groundwater contamination.	NJDEP – SRWM USEPA TO-15 Method

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
15IA-1 through 15IA-15	December 2007	Indoor air samples	Fifteen (15) sub-slab soil gas samples were originally proposed to be collected in the western portion of Bldg 2700 in central locations of the basement. Because this is an active laboratory facility and material is stored in the basement that could contribute to positive detections of VOs in indoor air (paint storage), sub-slab soil gas samples were originally proposed to be sampled in lieu of indoor air within the basement in order to determine VI contributions from groundwater contamination. However, due to the thickness of the reinforced concrete basement floors (18 to 24 inches) the installation of temporary sub slab sampling ports was not feasible, Therefore, indoor air samples were collected in lieu of sub-slab soil gas samples. Effort was made to place indoor air canister along the wall adjacent to near-slab samples at locations indicative of the most likely migration pathways.	NJDEP – SRWM USEPA TO-15 Method

3.1.4 April 2010 Site Investigation Results

A total of 39 volatiles were detected in Parcel 15 indoor air samples in April 2010, presented in **Table 3.1-2**. Of these 39 volatiles, four (benzene, chloroform, PCE, and TCE) were detected at concentrations that exceeded the NRIASLs.

Benzene was detected above the NJDEP NRIASL of 2 micrograms per cubic meter ($\mu g/m^3$) in indoor air samples 15IA-1 and 15IA-2 at a concentration of 3.5 $\mu g/m^3$. Benzene was also detected at low concentrations (below the NJDEP NRIASL) in the other 13 indoor air samples collected within Building 2700, but was not detected in the ambient sample collected from within the courtyard of Building 2700. Though benzene was not identified in groundwater above the VI GWSL, it was detected in three near slab soil gas samples in the southeastern portion of the courtyard (15SG-11, 15SG-13, and 15SG-14).

Five former #6 fuel oil tanks (UST-2700-35, UST-2700-36, UST-2700-37, UST-2700-8, and UST-2700-39) and a total of 500 CY of potentially contaminated soil were removed from the southeastern portion of the Building 2700 courtyard in 1998. During removal operations it was observed that the bottom of the tanks were under approximately four feet of groundwater; however, TPHC concentrations in all post excavation soil samples were below the NJDEP residential direct contact soil cleanup criteria and benzene was not detected in two rounds of groundwater sampling at two locations. A closure report was submitted to the NJDEP requesting a No Further Action determination in 2000 and a No Further Action approval letter was received from the NJDEP on 10/23/2000.

Chloroform was detected above the NJDEP NRIASL of 2 $\mu g/m^3$ in 1 indoor air sample (including the duplicate) collected in Parcel 15. Concentrations ranged from 3 $\mu g/m^3$ in 15IA-12 to 3.5 $\mu g/m^3$ in 15IA-12DUP. Chloroform was not identified in groundwater above the GWSL or in near-slab soil gas above the NRSGSL; therefore, it is most likely not attributable to vapor intrusion from groundwater.

PCE was detected above the NJDEP NRIASL of 3 $\mu g/m^3$ in 2 indoor air samples collected in Parcel 15. Concentrations above the NRIASL were 6.8 $\mu g/m^3$ in 15IA-11 and 42 $\mu g/m^3$ in 15IA-12DUP. It should be noted that the PCE at 15IA-12 was detected at a concentration of 2.2 $\mu g/m^3$, below the NRIASL. PCE was detected above VI screening criteria in groundwater, near-slab soil gas, and indoor air. Therefore, a complete pathway for vapor intrusion is possible. Thus, PCE is considered a COC in Parcel 15 indoor air.

TCE was detected above the NJDEP NRIASL of 3 $\mu g/m^3$ in 2 indoor air samples collected in Parcel 15. Concentrations above the NJDEP NRIASL ranged from 4.6 $\mu g/m^3$ in 15IA-11 to 31 $\mu g/m^3$ in 15IA-12DUP. It should be noted that the TCE at 15IA-12 was detected at a concentration of 0.28 $\mu g/m^3$, below the NRIASL. TCE was also detected above VI screening criteria in near-slab soil gas in 2007. Therefore, a pathway for vapor intrusion is possible. Thus, TCE is considered a COC in the Parcel 15 indoor air. The COCs are presented on **Figure 3.1-1**.

3.1.5 Summary and Conclusions

Four VOs, benzene, chloroform, PCE and TCE, were detected in one or more indoor air samples at concentrations greater than the NJDEP NRIASL. It should be noted that benzene, PCE, and TCE have previously been detected at Parcel 15 above their respective screening levels in soil gas. Based on both sampling events, the potential for a complete vapor intrusion pathway exist for Building 2700. Therefore, the collection of additional indoor air and sub-slab soil gas samples at Parcel 15 is recommended for further evaluation. It is recommended that indoor air samples and sub-slab samples be collected within a 36-hour period (24 hours for indoor air samples immediately followed by sub-slab sampling).

Table 3.1-2
Fort Monmouth ECP Site Investigation, Parcel 15
Summary of Analytical Parameters Detected Indoor Air (ug/m^3)

Chemical	IA Non-residential[1]	Analytical Results																																	
Sample ID:		15IA-1		15IA-2		15IA-3		15IA-4		15IA-5		15IA-6		15IA-7		15IA-8		15IA-9		15IA-10		15IA-11		15IA-12		15IA-12DUP		15IA-13		15IA-14		15IA-15		15IA-AMBIENT	
Lab ID:		JA45062-11		JA45062-12		JA45062-13		JA45062-14		JA45062-15		JA45062-16		JA45062-17		JA45062-18		JA45062-19		JA45062-20		JA45062-21		JA45062-22		JA45062-23		JA45062-24		JA45062-25		JA45062-26		JA45062-27	
Date Sampled:		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10	
		Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual
Volatiles																																			
Acetone	4,600	**12**		**10**		**9.0**		**12**		**9.0**		**5.7**		**17**		**7.8**		**8.6**		**13**		**10**		**11**		**13**		**10**		**9.3**		**17**		**6.2**	
Benzene	2	**3.5**		**3.5**		**1.3**		**1.4**		**0.54 J**	**J**	**0.54 J**	**J**	**0.38 J**	**J**	**0.35 J**	**J**	**0.42 J**	**J**	**0.42 J**	**J**	**0.58 J**	**J**	**0.54 J**	**J**	**1.0**		**0.38 J**	**J**	**0.35 J**	**J**	**0.42 J**	**J**	<0.64	
Carbon disulfide	1,000	<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		<0.62		**0.59 J**	**J**	<0.62		<0.62		<0.62		<0.62		<0.62	
Carbon tetrachloride	3	**0.75 J**	**J**	**0.69 J**	**J**	**0.75 J**	**J**	**0.88 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	**0.75 J**	**J**	**0.69 J**	**J**	**0.75 J**	**J**	**0.75 J**	**J**	**0.88 J**	**J**	**0.82 J**	**J**	**0.94 J**	**J**	**0.82 J**	**J**	**0.82 J**	**J**	**1.1 J**	**J**	**0.82 J**	**J**
Chloroform	2	<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		**0.83 J**	**J**	**3.0**		**3.5**		<0.98		<0.98		<0.98		<0.98	
Chloromethane	130	<0.41		**1.3**		**1.3**		**1.4**		**1.2**		**1.1**		**1.2**		**1.1**		**1.2**		**1.3**		**1.3**		**1.3**		**1.3**		**0.99**		<0.41		**1.5**		**1.2**	
Cyclohexane	8,700	**1.7**		**1.8**		**0.59 J**	**J**	**0.65 J**	**J**	<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69		<0.69	
1,4-Dichlorobenzene	3	<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		<1.2		**0.90 J**	**J**	<1.2		<1.2		<1.2		<1.2	
Dichlorodifluoromethane	260	**3.3**		**2.9**		**3.4**		**4.0**		**3.5**		**3.0**		**3.4**		**3.1**		**3.4**		**6.9**		**4.1**		**4.0**		**4.4**		**4.2**		**4.6**		**4.6**		**3.7**	
cis-1,2-Dichloroethylene	51	<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		**1.9**		<0.79		**13**		<0.79		<0.79		<0.79		<0.79	
trans-1,2-Dichloroethylene	100	<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		**1.1**		<0.79		<0.79		<0.79		<0.79	
1,2-Dichloroethene (total) [(a)]	46	<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79		**1.9**		<0.79		**14.1**		<0.79		<0.79		<0.79		<0.79	
Dichloromethane	9	<0.69		<0.69		**0.73**		**1.0**		**1.1**		<0.69		<0.69		**3.1**		**0.76**		<0.69		**0.73**		**0.76**		**0.76**		**0.69**		**0.87**		<0.69		<0.69	
Ethanol	NLE	**31.7**		**30.5**		**20**		**20**		**17**		**3.8**		**11**		**6.0**		**3.8**		**127 E**	**J**	**17**		**21.7**		**24.9**		**18**		**9.8**		**5.1**		**2.6**	
Ethyl Acetate	NLE	**11**		**4.7**		**6.1**		**5.8**		**4.0**		**4.0**		**62.3**		**2.3**		**1.8**		**20**		**10**		**12**		**4.7**		**6.1**		**3.3**		**118**		**2.8**	
Ethylbenzene	1,500	**1.0**		**1.1**		**0.56 J**	**J**	**0.78 J**	**J**	<0.87		<0.87		<0.87		<0.87		**0.61 J**	**J**	<0.87		**0.43 J**	**J**	**0.65 J**	**J**	**0.83 J**	**J**	**0.83 J**	**J**	**0.56 J**	**J**	<0.87		<0.87	
4-Ethyltoluene	NLE	<0.98		**0.54 J**	**J**	<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98	
n-Heptane	NLE	**2.8**		**3.1**		**0.9**		**1.0**		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		**0.61 J**	**J**	<0.82		<0.82		<0.82		<0.82	
n-Hexane	1,000	**4.9**		**5.3**		**1.8**		**2.0**		**0.46 J**	**J**	**0.42 J**	**J**	<0.067		**0.88**		**0.34 J**	**J**	<0.70		**0.63 J**	**J**	**0.95**		**1.1**		**0.53 J**	**J**	<0.70		<0.70		<0.70	
Isopropyl Alcohol	NLE	**3.7**		**3.4**		**5.4**		**5.7**		**5.4**		<0.49		**7.9**		**1.7**		**0.84**		**10**		**4.9**		**5.2**		**8.4**		**7.9**		**2.3**		**2.1**		<0.49	
4-Methyl-2-pentanone (MIBK)	4,400	<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		**0.49 J**	**J**	<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82	
Methyl ethyl ketone	7,200	**1.3**		<0.59		**1.0**		**1.3**		**0.97**		<0.59		**4.1**		**0.71**		**0.71**		**1.5**		**1.4**		**2.4**		**2.6**		**1.5**		**2.7**		**1.6**		<0.59	
Propylene	NLE	**0.91**		**0.69 J**	**J**	**0.67 J**	**J**	<0.1		**0.62 J**	**J**	**0.62 J**	**J**	**0.50 J**	**J**	**0.38 J**	**J**	**0.41 J**	**J**	**0.52 J**	**J**	**0.67 J**	**J**	**0.81 J**	**J**	**0.91**		**0.46 J**	**J**	**0.34 J**	**J**	**0.36 J**	**J**	**0.26 J**	**J**
Styrene	1,500	<0.85		<0.85		<0.85		**0.47 J**	**J**	<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85		<0.85	
Tertiary Butyl Alcohol	92	<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		**0.42 J**	**J**	<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		**0.36 J**	**J**	<0.61		<0.61	
Tetrachloroethylene	3	**0.58**		**0.64**		**0.75**		**0.95**		**1.2**		**1.3**		**1.4**		**1.7**		**1.2**		**0.75**		**6.8**		**2.2**		**42**		**1.2**		**0.46**		**0.29**		<0.27	
Tetrahydrofuran	NLE	<0.59		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59		<0.59		**0.68**		**2.9**		**3.2**		**0.65**		<0.59		<0.59		<0.59	
Toluene	7,200	**6.0**		**5.7**		**2.7**		**4.9**		**1.7**		**1.5**		**1.4**		**2.3**		**0.98**		**0.98**		**1.7**		**2.6**		**3.0**		**1.8**		**1.2**		**0.75**		<0.75	
1,1,1-Trichloroethane	1,400	<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		<1.1		**1.3**		<1.1		<1.1		<1.1	
Trichloroethylene	3	**0.27**		**0.28**		**0.28**		**0.23**		**0.27**		<0.21		<0.21		**0.24**		<0.21		**0.45**		**4.6**		**0.28**		**31**		<0.21		**1.6**		<0.21		<0.21	
Trichlorofluoromethane	1,000	**4.3**		**3.7**		**4.9**		**6.2**		**4.6**		**2.5**		**2.3**		**4.0**		**3.0**		**2.4**		**3.8**		**4.3**		**5.2**		**4.8**		**3.8**		**3.7**		**2.7**	
1,1,2-Trichloro-1,2,2-trifluoroethane	44,000	**0.92 J**	**J**	**0.84 J**	**J**	**0.84 J**	**J**	**0.92 J**	**J**	**0.77 J**	**J**	<1.5		**0.75 J**	**J**	<1.5		**0.75 J**	**J**	<1.5		**0.84 J**	**J**	**1.0 J**	**J**	**1.0 J**	**J**	**0.84 J**	**J**	**0.77 J**	**J**	**0.92 J**	**J**	<1.5	
1,2,4-Trimethylbenzene	NLE	**1.5**		**2.0**		**0.74 J**	**J**	**0.74 J**	**J**	<0.98		<0.98		**0.54 J**	**J**	<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98	
1,3,5-Trimethylbenzene	NLE	**0.49 J**	**J**	**0.54 J**	**J**	<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		<0.98	
2,2,4-Trimethylpentane	NLE	**1.3**		**1.4**		<0.93		**0.51 J**	**J**	<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93		<0.93	
Vinyl Acetate	NLE	<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		**1.4**		<0.70		<0.70		<0.70		<0.70		**2.7**		<0.70		<0.70	
Xylenes (m&p)	NLE	**3.9**		**4.3**		**1.9**		**2.6**		**0.87**		**0.43 J**	**J**	**0.65 J**	**J**	**0.74 J**	**J**	**1.8**		**0.43 J**	**J**	**1.3**		**2.0**		**2.4**		**2.0**		**1.5**		<0.87		<0.87	
o-Xylene	NLE	**1.1**		**1.3**		**0.56 J**	**J**	**0.74 J**	**J**	<0.87		<0.87		<0.87		<0.87		**0.52 J**	**J**	<0.87		<0.87		**0.52 J**	**J**	**0.56 J**	**J**	**0.52 J**	**J**	<0.87		<0.87		<0.87	
Xylenes (total)	150	**4.8**		**5.6**		**2.4**		**3.4**		**0.87**		**0.43 J**	**J**	**0.65 J**	**J**	**0.74 J**	**J**	**2.3**		**0.43 J**	**J**	**1.3**		**2.5**		**3.0**		**2.4**		**1.5**		<0.87		<0.87	

[1] NJDEP Generic Vapor Intrusion Screening Levels, Indoor Air Screening Levels, Nonresidential, March 2007.

DUP = Duplicate Sample

BOLD = Analyte detected

NLE = No Limit Established

(a) = Sum of cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene.

= Concentration exceeds IA Nonresidential.

Laboratory Qualifiers:

E = Indicates value exceeded calibration range.

J = Indicates an estimated value.

Validation Qualifiers:

J = Indicates an estimated value.



Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/25/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
15IA-12	IA	PCE	ND	2.2	3
15IA-12DUP	IA	PCE	ND	42	3
15IA-12	IA	TCE	ND	0.28	3
15IA-12DUP	IA	TCE	ND	31	3
15IA-12	IA	Chloroform	ND	3	2
15IA-12DUP	IA	Chloroform	ND	3.5	2

Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/25/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
15IA-11	IA	PCE	ND	6.8	3
15IA-11	IA	TCE	ND	4.6	3

Soil Gas Constituents Detected Above NJDEP Non-residential Soil Gas Screening Levels						
Sample ID	Media	Depth (ft bgs)	Compound	Concentration (ug/m^3)	Criteria	Criteria Value (ug/m3)
15SG-1	SG	3	PCE	149	SG Non-residential	36
15SG-2	SG	6	PCE	83.4	SG Non-residential	36
15SG-2	SG	6	TCE	506	SG Non-residential	27
15SG-3	SG	6	PCE	67.8	SG Non-residential	36
15SG-3	SG	6	TCE	332	SG Non-residential	27
15SG-4	SG	6	PCE	87.5	SG Non-residential	36
15SG-4	SG	6	TCE	55.9	SG Non-residential	27
15SG-5	SG	6	PCE	65	SG Non-residential	36
15SG-6	SG	6	PCE	69.2	SG Non-residential	36
15SG-7	SG	6	PCE	92.9	SG Non-residential	36
15SG-8	SG	6	PCE	54	SG Non-residential	36
15SG-9	SG	6	PCE	48	SG Non-residential	36
15SG-10	SG	6	PCE	58	SG Non-residential	36
15SG-10	SG	6	Vinyl chloride	73.9	SG Non-residential	48
15SG-11	SG	6	Benzene	66.1	SG Non-residential	26
15SG-12	SG	6	PCE	47	SG Non-residential	36
15SG-13	SG	6	Benzene	39.0 J	SG Non-residential	26
15SG-14	SG	6	Benzene	90.7	SG Non-residential	26

Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/25/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
15IA-1	IA	Benzene	1.1	3.5	2

Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/25/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
15IA-2	IA	Benzene	1.3	3.5	2

LEGEND

- Soil-Gas Sample Location
- Indoor Air Sample Location
- Electrical Utility
- Natural Gas Utility
- Sanitary Sewer Utility
- Storm Sewer Utility
- Water Supply Utility
- Generalized Groundwater Flow Direction. Direction of Generalized Groundwater Flow derived from qualitative evaluation of surface topography, surface water features, and pre-existing IRP site groundwater potentiometric maps where available.
- IRP Site Boundary

N

SCALE:

0 45 90 180 Feet

Base Realignment and Closure 2005

U.S. Army Corps of Engineers

Shaw® Shaw Environmental, Inc.

FIGURE 3.1-1
FORT MONMOUTH ECP
SITE INVESTIGATION
PARCEL 15 SOIL GAS AND INDOOR AIR SAMPLE LOCATIONS AND CONSTITUENTS OF CONCERN
CHARLES WOOD AREA
FORT MONMOUTH
NEW JERSEY

ArcGIS File: N:\GIS\Ft_Monmouth\GIS_Documents\Project_Maps\SI_Addendum\CWA_Fig3_1-1_P15_SG_IA_Exceeds_SampLoc_No_RALs_HDNLs.mxd (12/10/2010)

3.2 Parcel 34 – Bldg 2567

3.2.1 Site Description

Bldg 2567 is a combination mini-mart and gasoline station located at the corner of Hope Road and Laboratory Road in the CWA. Further details on the Parcel 34 site description are provided in Section 3.6.1 of the July 2008 SI Report [(5)].

3.2.2 Previous Investigations

Details on previous investigations performed at Parcel 34 are presented in Section 3.6.2 of the July 2008 SI Report. Through previous investigations conducted under the IRP, groundwater VO contamination has been identified in close proximity to Bldg 2567. Benzene, DCE, and MTBE have been detected in groundwater above the GWSLs proximal to Bldg 2567. Therefore, VI at Bldg 2567 was further evaluated through the collection of near-slab and sub-slab soil gas samples during the December 2007 sampling event associated with the original SI. Indoor air samples were not collected during the December 2007 sampling event.

As part of the original December 2007 SI sampling effort, 2 near-slab and 1 sub-slab soil gas samples were collected and analyzed at Parcel 34. Details on the sampling effort are provided in Sections 3.6.3 and 3.6.4 of the July 2008 SI Report. One constituent, benzene, exceeded NJDEP Soil Gas NRSLs in near-slab soil gas at Parcel 34. No other constituents were detected above the NJDEP Soil Gas NRSL in sub-slab soil gas. Sample locations are provided on **Figure 3.2-1**.

Based on NJDEP VI guidance [(2)], evaluation of indoor air in Bldg 2567 was recommended for Parcel 34.

3.2.3 Site Investigation Sampling

Based on the recommendations of the SI Report, two indoor air samples were collected during the April 2010 sampling event within Bldg 2567. The collection of indoor air samples was conducted to supplement the sub-slab and near-slab air samples collected during the December 2007 sampling event. In addition, one ambient (outdoor) sample was collected at Parcel 34 concurrently with the indoor samples to assist in evaluating background chemical levels.

Table 3.2-1 presents a summary of the December 2007 and April 2010 VI field activities performed at Parcel 34. Sample locations are provided on **Figure 3.2-1**.

Table 3.2-1
Parcel 34 Vapor Intrusion Sampling Location, Rationale, and Analytical

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
34IA-1 and 34IA-2 (2 samples)	April 2010	Indoor air	Based on the recommendations provided in the July 2008 SI Report, two indoor air samples were collected from within Bldg 2567 in the western portion of the facility. One ambient air sample was collected from outside the building.	NJDEP – SRWM USEPA TO-15 Method
34SG-1 (1 sample)	December 2007	Sub-slab soil gas	One sub-slab soil gas sample was collected from under Bldg 2567. Because this is a mini-mart associated with an active fueling station, sub-slab soil gas was sampled in lieu of indoor air.	NJDEP – SRWM USEPA TO-15 Method
34SG-2 and 3 (3 samples – includes 1 duplicate sample)	December 2007	Near-slab soil gas	Two near-slab soil gas samples were collected at Bldg 2567.	NJDEP – SRWM USEPA TO-15 Method

3.2.4 Site Investigation Results

A total of 15 volatiles were detected in indoor air samples collected at Parcel 34. Of these 15 volatiles detected, none exceeded the NJDEP NRIASLs. A summary of analytes detected is presented in **Table 3.2-2**.

3.2.5 Summary and Conclusions

All constituents detected in indoor air were at concentrations below the NJDEP NRIASLs. Based on NJDEP VI guidance that has been updated subsequent to the 2007 sampling effort, one additional round of indoor air sampling along with the collection of one sub-slab soil gas sample is recommended to confirm that constituents present in groundwater are not present above applicable criteria in indoor air at Bldg 2567. It is recommended that indoor air samples and at least one sub-slab air sample be collected within a 36-hour period (24 hours for indoor air samples immediately followed by sub-slab sampling).

Table 3.2-2
Fort Monmouth ECP Site Investigation, Parcel 34
Summary of Analytical Parameters Detected Indoor Air (ug/m^3)

		Analytical Results					
	Sample ID:	34IA-1		34IA-2		34IA-3-AMBIENT	
	Lab ID:	JA45152-6		JA45152-7		JA45152-5	
	Date Sampled:	04/26/10		04/26/10		04/26/10	
Chemical	IA Non-residential[1]	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual
Volatiles							
Acetone	4,600	**18**		**15**		**5.0**	
Benzene	2	**0.58 J**	**J**	**0.51 J**	**J**	<0.64	
Chloromethane	130	**1.2**		**1.1**		**1.2**	
Dichlorodifluoromethane	260	**3.9**		**4.2**		**2.3**	
Dichloromethane	9	**1.2**		**1.2**		<0.69	
Ethanol	NLE	**97 E**	**J**	**80.3 E**	**J**	**3.0**	
Ethyl Acetate	NLE	<0.72		**5.4**		<0.72	
n-Heptane	NLE	**0.53 J**	**J**	<0.11		<0.82	
Isopropyl Alcohol	NLE	**3.2**		<0.49		<0.49	
Methyl ethyl ketone	7,200	**1.8**		**1.3**		<0.59	
Toluene	7,200	**1.7**		**1.8**		**0.75**	
Trichloroethylene	3	<0.21		**0.64**		<0.21	
Trichlorofluoromethane	1,000	**75.9**		**79.2**		**1.3**	
Xylenes (m&p)	NLE	**0.48 J**	**J**	<0.87		<0.87	
Xylenes (total)	150	**0.48 J**	**J**	<0.87		<0.87	

[1] NJDEP Generic Vapor Intrusion Screening Levels, Indoor Air Screening Levels, Nonresidential, March 2007.

NLE = No Limit Established

BOLD = Analyte detected

= Concentration exceeds IA Nonresidential.

Laboratory Qualifiers:

E = Indicates value exceeded calibration range.

J = Indicates an estimated value.

Validation Qualifiers:

J = Indicates an estimated value.



Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/13/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
34SG-3	SG	5	Benzene	36.7	SG Non-residential	26
34SG-3 DUP	SG	5	Benzene	28	SG Non-residential	26

LEGEND

- Soil-Gas Sample Location
- Indoor Air Sample Location
- Generalized Groundwater Flow Direction. Direction of Generalized Groundwater Flow derived from qualitative evaluation of surface topography, surface water features, and pre-existing IRP site groundwater potentiometric maps where available.
- Electrical Utility
- Natural Gas Utility
- Sanitary Sewer Utility
- Storm Sewer Utility
- Water Supply Utility
- Building
- IRP Site Boundary
- Installation Boundary

ECP PARCEL CATEGORY DEFINITIONS

2 — Areas where only release or disposal of petroleum products has occurred.

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- CONTAMINATION DESCRIPTION
  - HS - Hazardous Substance Storage
  - HR - Hazardous Substance Release
  - PS - Petroleum Storage
  - PR - Petroleum Release
  - (P) - Possible Release or Disposal
- CATEGORY NUMBER
- PARCEL NUMBER

N

SCALE:
0 25 50 100 Feet

Base Realignment and Closure 2005

U.S. Army Corps of Engineers

Shaw Environmental, Inc.

FIGURE 3.2-1
FORT MONMOUTH ECP SITE INVESTIGATION
PARCEL 34 SOIL GAS AND INDOOR AIR SAMPLE LOCATIONS AND CONSTITUENTS OF CONCERN
CHARLES WOOD AREA
FORT MONMOUTH
NEW JERSEY

ArcGIS File: N:\GIS\Ft_Monmouth\GIS_Documents\Project_Maps\SI_Addendum\CWA_Fig3_2-1_P34_SG_IA_Exceeds_SampLoc.mxd (12/13/2010)

3.3 Parcel 43 – Bldg 1122 (Do-It-Yourself Auto Repair)

3.3.1 Site Description

Bldg 1122 is located on the MP and houses a modern "do-it-yourself" vehicle repair shop. Further details on the Parcel 43 site description are provided in Section 3.9.1 of the July 2008 SI Report.

3.3.2 Previous Investigations

Previous investigations performed at Parcel 43 are summarized in Section 3.9.2 of the July 2008 SI Report [(5)]. Through previous investigations conducted under the IRP, groundwater VO contamination has been identified in close proximity to Bldg 1122. PCE is the sole contaminant detected above the GWSLs within 100 ft of Bldg 1122, and no degradation products have been observed. Therefore, VI at Bldg 1122 was evaluated through the collection of near-slab soil gas samples, sub-slab soil gas samples, and indoor air samples during the December 2007 sampling event and the 2008 SI.

As part of the original SI December 2007 sampling effort, 3 near-slab (including 1 duplicate) soil gas samples, 2 sub-slab soil gas samples, and 1 indoor air sample were collected and analyzed at Parcel 43. Details on the sampling effort are provided in Sections 3.9.3 and 3.9.4 of the July 2008 SI Report. PCE and TCE concentrations exceeded NJDEP Soil Gas NRSLs in soil gas collected at Parcel 43, but were not detected in indoor air within Bldg 1122. Benzene and dichloromethane were detected at concentrations greater than the NJDEP NRIASLs in indoor air at Bldg 1122. Benzene and dichloromethane detections in indoor air are likely attributable to activities within the building and the use of products that contain these constituents.

Based on NJDEP VI guidance [(2)], an additional round of indoor air sampling was recommended to confirm constituents associated with groundwater are not present above criteria for indoor air at Bldg 1122; including the addition of 1 indoor air sample in the northeastern corner of the building, coinciding with the location at which PCE and TCE were detected in soil gas.

3.3.3 Site Investigation Sampling

Two indoor air samples were collected within Bldg 2567 during the April 2010 sampling event. In addition, 1 ambient (outdoor) sample was collected at Parcel 43 concurrently with the indoor samples to assist in evaluating background chemical levels. An indoor air sample was collected in the western portion of the building within the Crafts Shop from the same location as the December 2007 indoor air sample. The second indoor air sample was collected in the northeastern portion of the building within the active self help auto repair shop. No sub-slab or near-slab air samples were collected during the April 2010 sampling event.

Table 3.3-1 presents a summary of the December 2007 and April 2010 VI field activities performed at Parcel 43. Sample locations are provided on **Figure 3.3-1**.

Table 3.3-1
Parcel 43 Vapor Intrusion Sampling Location, Rationale, and Analytical

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
43IA-1 and 43IA-2 (2 samples)	April 2010	Indoor air	In order to confirm that constituents present in groundwater are below applicable criteria, 2 indoor air samples were collected from within Bldg 1122. One ambient air sample was collected from outside the building.	NJDEP – SRWM USEPA TO-15 Method
43SG-1 and 2 (3 samples – includes 1 duplicate sample)	December 2007	Near-slab soil gas	Two near-slab soil gas samples were collected at Bldg 1122. Groundwater flow direction is to the northwest, and PCE has been detected above GWSLs north and northeast of the building. Therefore, the sample locations were biased to the northeast corner of the building.	NJDEP – SRWM USEPA TO-15 Method
43SG-3 and 4 (2 samples)	December 2007	Sub-slab soil gas	Two sub-slab soil gas samples were collected from the northeast portion of Bldg 1122 (Autocraft). Because this is a facility utilized for auto repair, sub-slab soil gas was selected for analysis in lieu of indoor air.	NJDEP – SRWM USEPA TO-15 Method
43IA-1 (1 sample)	December 2007	Indoor air	One indoor air sample was collected from within Bldg 1122 in the southwest portion of the facility (Arts and Crafts). One ambient air sample was collected from outside the building.	NJDEP – SRWM USEPA TO-15 Method

3.3.4 Site Investigation Results

A total of 29 volatiles were detected in Parcel 43 indoor air samples collected during the April 2010 sampling event, presented in **Table 3.3-2**. Of these 29 volatiles, two (benzene and PCE) were detected at concentrations that exceeded the NRIASLs. Constituents detected above the NJDEP NRIASL are presented on **Figure 3.3-1**.

Benzene was detected above the NJDEP NRIASL of 2 µg/m^3 in both indoor air samples at concentrations of 4.8 µg/m^3 in sample 43IA-1 and 19 µg/m^3 in sample 43IA-2. The building is currently used as a self service auto repair facility and contains numerous petroleum related products and automobiles in the building. Benzene was not detected in groundwater or soil gas above the applicable NJDEP VI GWSLs or NRSGSLs, respectively. Based on the current use of the building and limited data showing a lack of a potential pathway from groundwater, benzene in indoor air is likely attributable to current building activities and not vapor intrusion from groundwater.

PCE was detected above the NJDEP NRIASL of 3 µg/m^3 in sample 43IA-1 at a concentration of 5.9 µg/m^3 and below the NJDEP NRIASL in sample 43IA-2 at a

estimated (J qualified) concentration of 0.44 µg/m^3. PCE was detected in groundwater above the NJDEP GWSL and in soil gas above the NRSGSL; therefore suggesting a potential pathway for vapor intrusion. However, PCE was not detected in indoor air at location 43IA-1 in the initial round of sampling conducted in December 2007. Thus, PCE is considered a COC in the Parcel 43 indoor air.

Dichloromethane was detected at a concentration above the NJDEP NRIASL (9 µg/m^3) in December 2007 at location 43IA-1; but was detected below the IASL in April 2010 at a concentration of 2 µg/m^3. Dichloromethane was not detected in groundwater or soil gas above the applicable NJDEP VI GWSLs or NRSGSLs, respectively. Based on the current use of the building and limited data showing a lack of a potential pathway from groundwater, dichloromethane in indoor air is likely attributable to current building activities and not vapor intrusion from groundwater.

3.3.5 Summary and Conclusions

During the April 2010 sampling event benzene and PCE were detected at concentrations greater than the NJDEP NRIASL in indoor air at Bldg 1122. Benzene detections in indoor air are likely attributable to activities within the building and the use of products that contain benzene. However, the detection of PCE in groundwater, soil gas, and indoor air at concentrations above VI screening criteria suggest that a potential vapor intrusion pathway may exist. Therefore, indoor air and sub-slab evaluation at Parcel 43 is recommended. It is recommended that indoor air samples and several sub-slab soil gas samples be collected within a 36-hour period (24 hours for indoor air samples immediately followed by sub-slab sampling).

Table 3.3-2
Fort Monmouth ECP Site Investigation, Parcel 43
Summary of Analytical Parameters Detected Indoor Air (ug/m^3)

Chemical		Analytical Results					
	Sample ID:	43IA-1		43IA-2		43IA-3-AMBIENT	
	Lab ID:	JA45152-10		JA45152-9		JA45152-8	
	Date Sampled:	04/27/10		04/27/10		04/27/10	
	IA Non-residential[1]	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual
Volatiles							
Acetone	4,600	**148**		**215**		**4.8**	
Benzene	2	**4.8**		**19**		**0.45 J**	**J**
Chloromethane	130	**1.1**		**1.2**		**1.2**	
Cyclohexane	8,700	**3.8**		**18**		<0.69	
Dichlorodifluoromethane	260	**2.3**		**2.7**		**2.5**	
Dichloromethane	9	**2.0**		**0.94**		<0.69	
Ethanol	NLE	**60.1**		**143**		**2.8**	
Ethyl Acetate	NLE	**14**		<0.72		**2.7**	
Ethylbenzene	1,500	**4.8**		**13**		<0.87	
4-Ethyltoluene	NLE	**2.1**		**5.9**		<0.98	
n-Heptane	NLE	**7.4**		**33**		<0.82	
n-Hexane	1,000	**12**		**50**		<0.70	
Isopropyl Alcohol	NLE	**11**		**3.7**		<0.49	
4-Methyl-2-pentanone (MIBK)	4,400	**4.5**		**9.4**		<0.82	
Methyl ethyl ketone	7,200	**8.6**		**6.8**		<0.59	
Propylene	NLE	<0.86		**9.6**		<0.86	
Styrene	1,500	**0.60 J**	**J**	**1.6**		<0.85	
Tertiary Butyl Alcohol	92	**0.45 J**	**J**	<0.61		<0.61	
Tetrachloroethylene	3	**5.9**		**0.44**		<0.27	
Toluene	7,200	**105**		**198**		**2.1**	
1,1,1-Trichloroethane	1,400	**0.65 J**	**J**	<1.1		<1.1	
Trichloroethylene	3	**0.25**		<0.21		<0.21	
Trichlorofluoromethane	1,000	**1.5**		**1.3**		**1.3**	
1,2,4-Trimethylbenzene	NLE	**9.8**		**27.0**		<0.98	
1,3,5-Trimethylbenzene	NLE	**2.9**		**6.9**		<0.98	
2,2,4-Trimethylpentane	NLE	**15**		**50.4**		<0.93	
Xylenes (m&p)	NLE	**17**		**47.8**		**0.61 J**	**J**
o-Xylene	NLE	**5.6**		**17**		<0.87	
Xylenes (total)	150	**23**		**64.7**		**0.61 J**	**J**

[1] NJDEP Generic Vapor Intrusion Screening Levels, Indoor Air Screening Levels, Nonresidential, March 2007.

NLE = No Limit Established

BOLD = Analyte detected

= Concentration exceeds IA Nonresidential.

Laboratory Qualifiers:

J = Indicates an estimated value.

Validation Qualifiers:

J = Indicates an estimated value.

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/13/2007 (ug/m3)	Criteria	Criteria Value (ug/m3)
43SG-2	SG	5	PCE	78.7	SG Non-residential	36
43SG-2 DUP	SG	5	PCE	107	SG Non-residential	36

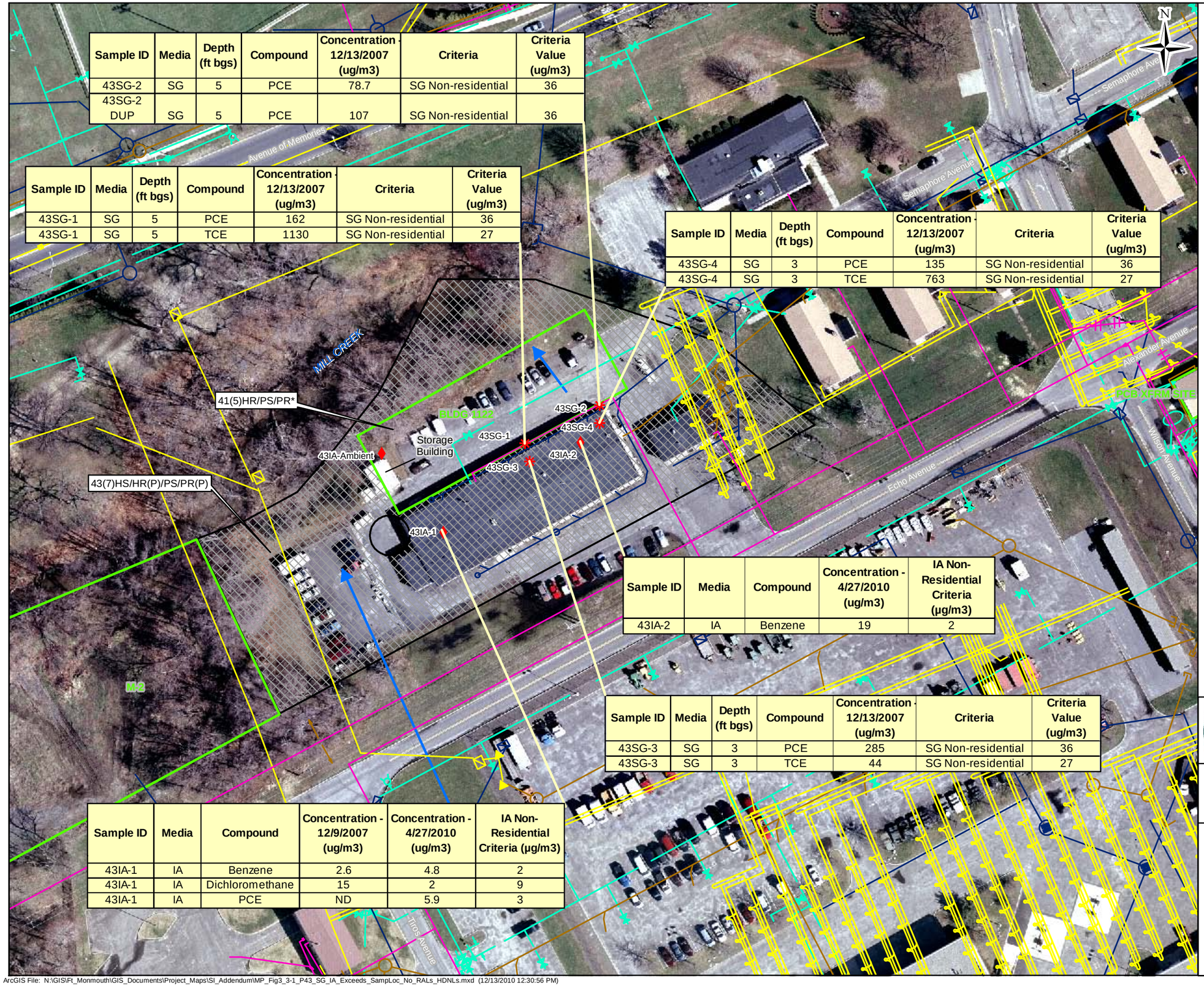
Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/13/2007 (ug/m3)	Criteria	Criteria Value (ug/m3)
43SG-1	SG	5	PCE	162	SG Non-residential	36
43SG-1	SG	5	TCE	1130	SG Non-residential	27

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/13/2007 (ug/m3)	Criteria	Criteria Value (ug/m3)
43SG-4	SG	3	PCE	135	SG Non-residential	36
43SG-4	SG	3	TCE	763	SG Non-residential	27

Sample ID	Media	Compound	Concentration - 4/27/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
43IA-2	IA	Benzene	19	2

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/13/2007 (ug/m3)	Criteria	Criteria Value (ug/m3)
43SG-3	SG	3	PCE	285	SG Non-residential	36
43SG-3	SG	3	TCE	44	SG Non-residential	27

Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/27/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
43IA-1	IA	Benzene	2.6	4.8	2
43IA-1	IA	Dichloromethane	15	2	9
43IA-1	IA	PCE	ND	5.9	3



LEGEND

- Soil-Gas Sample Location
- Indoor Air Sample Location
- Generalized Groundwater Flow Direction. Direction of Generalized Groundwater Flow derived from qualitative evaluation of surface topography, surface water features, and pre-existing IRP site groundwater potentiometric maps where available.
- Electrical Utility
- Natural Gas Utility
- Sanitary Sewer Utility
- Storm Sewer Utility
- Water Supply Utility
- IRP Site Boundary

ECP PARCEL CATEGORY DEFINITIONS

7 — Areas that are not evaluated or require additional evaluation.

* Parcel not included in Site Investigation. Information pertaining to parcels not included in this Site Investigation is presented in the Fort Monmouth Phase I ECP Report (January 2007).

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- CONTAMINATION DESCRIPTION
  - HS - Hazardous Substance Storage
  - HR - Hazardous Substance Release
  - PS - Petroleum Storage
  - PR - Petroleum Release
  - (P) - Possible Release or Disposal
- CATEGORY NUMBER
- PARCEL NUMBER

SCALE:

0 37.5 75 150 Feet

Base Realignment and Closure 2005

U.S. Army Corps of Engineers

Shaw® Shaw Environmental, Inc.

FIGURE 3.3-1
FORT MONMOUTH ECP SITE INVESTIGATION
PARCEL 43 SOIL GAS AND INDOOR AIR SAMPLE LOCATIONS AND CONSTITUENTS OF CONCERN

MAIN POST
FORT MONMOUTH
NEW JERSEY

ArcGIS File: N:\GIS\Ft_Monmouth\GIS_Documents\Project_Maps\SI_Addendum\MP_Fig3_3-1_P43_SG_IA_Exceeds_SampLoc_No_RALs_HDNLs.mxd (12/13/2010 12:30:56 PM)

3.4 Parcel 50 – IRP Sites FTMM-54, FTMM-55, and FTMM-61

3.4.1 Site Description

Parcel 50 consists of IRP Sites FTMM-54, FTMM-55, and FTMM-61. Site FTMM-54 is a former fuel distribution facility on the MP which was abandoned, FTMM-55 is the site of a former UST system which was located at Bldg 290, and FTMM-61 is the site of a former 3,000-gallon steel UST that was used to store gasoline within the courtyard of Bldg 283. Further details on the Parcel 50 site description are provided in Section 3.11.1 of the July 2008 SI Report.

3.4.2 Previous Investigations

Details on previous investigations performed at Parcel 50 are included in Section 3.11.2 of the July 2008 SI Report. Through previous investigations conducted under the IRP, groundwater VO contamination has been identified in close proximity to Bldg 283. Groundwater is currently being addressed under the IRP. However, Bldg 283 is a two-story building with a basement and totals approximately 76,500 square feet in size. The footprint of Bldg 283 covers approximately 50,000 square feet. BTEX contaminants have been detected above the GWSLs within 30 ft of the Bldg 283. Therefore, VI at Bldg 283 was evaluated through the collection of near-slab soil gas samples and indoor air samples during the December 2007 sampling event. No sub-slab soil gas samples were collected during the December 2007 sampling event due to the presence of groundwater intrusion within the basement.

No constituents were identified above applicable NJDEP criteria in indoor air samples collected from Bldg 283 during the December 2007 sampling event. Two VOs, benzene and PCE, equaled and/or exceeded NJDEP Soil Gas NRSLs in soil gas at Parcel 50. Based on NJDEP VI guidance [(2)], one additional round of indoor air sampling was recommended to determine if a potential VI pathway exist in indoor air.

3.4.3 Site Investigation Sampling

Nine indoor air samples were collected within Bldg 283 during the April 2010 sampling event. In addition, 1 ambient (outdoor) sample was collected at Parcel 50 concurrently with the indoor samples to assist in evaluating background chemical levels.

See **Table 3.4-1** for a summary of proposed field activities and **Figure 3.4-1** for sample locations.

Table 3.4-1
Parcel 50 Vapor Intrusion Sampling Location, Rationale, and Analytical

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
50IA-1 through 50IA-10 (10 samples, including one ambient sample)	April 2010	Indoor air	In order to confirm that groundwater constituents are below the applicable criteria for indoor air, 9 indoor air samples were collected from within Bldg 283. One ambient air sample (50IA-10) was collected from outside the building. Sample locations were biased towards potential source areas and potential migration pathways.	NJDEP – SRWM USEPA TO-15 Method
50SG-1 through 50SG-5 (5 samples)	December 2007	Near-slab soil gas	Five near-slab soil gas samples were collected at Bldg 283. Groundwater flow direction is to the northwest, and VOs have been detected above GWSLs in groundwater within the courtyard area of Bldg 283 and near the northwestern corner of the building. Therefore, 4 sample locations were biased to the walls of Bldg 283 on the northwest side of the courtyard (50SG-1:4), and one was biased to the northwestern corner of the building (50SG-5).	NJDEP – SRWM USEPA TO-15 Method
50IA-1 through 50IA-10 (10 samples – includes 1 duplicate sample)	December 2007	Indoor air	Nine indoor air samples were collected from within Bldg 283. One ambient air sample (50IA-10) was collected from outside the building. Sample locations were biased towards potential source areas and potential migration pathways and were selected to replicate the location of samples collected in December 2007.	NJDEP – SRWM USEPA TO-15 Method

3.4.4 Site Investigation Results

A total of 31 volatiles were detected in indoor air samples collected during the April 2010 sampling event (**Table 3.4-2**) in Parcel 50. Of the 31 volatiles detected, only PCE was detected at a concentration greater than the NJDEP NRIASL. PCE was detected above the NJDEP NRIASL of 3 µg/m^3 in one sample (50IA-9) at a concentration of 7.5 µg/m^3. PCE was also detected in five of the other indoor air samples; however, these concentrations were below the concentration of PCE detected in the ambient air sample (0.88 µg/m^3). Constituents detected in indoor air above the NJDEP NRIASL and in soil gas above the NJDEP NRIASL are presented on **Figure 3.4-1**.

3.4.5 Summary and Conclusions

PCE was detected in one indoor air sample above the NJDEP NRIASL in April 2010, but was not detected at this location in December 2007. Extensive groundwater

sampling has been conducted at Building 283 under the IRP, including long-term monitoring at well MW-2, within the court yard and proximal to the location of soil gas PCE detection above the NRSGSL and the location of the April 2010 detection of PCE in indoor air above the NRIASL. No PCE has been detected in groundwater at well MW-2. Though no completed pathway for vapor intrusion has been established due to the lack of detections in groundwater and soil, indoor air at Parcel 50 is recommended for further evaluation via re-collection of indoor air at sample location 50IA-9. With the one indoor air detection of PCE above NRIASL and several soil gas concentrations above NRSL, the potential for a VI pathway may still exist. It is recommended that an additional round of both indoor air and sub-slab sampling be performed. It is recommended that indoor air samples and several sub-slab soil gas samples be collected within a 36-hour period (24 hours for indoor air samples immediately followed by sub-slab sampling). Sampling points will be similar to the December 2007 and April 2010 sampling events.

Table 3.4-2
Fort Monmouth ECP Site Investigation, Parcel 50
Summary of Analytical Parameters Detected Indoor Air (ug/m^3)

Chemical	Sample ID:	IA Non-residential[1]	Analytical Results																			
	Lab ID:		50IA-1		50IA-2		50IA-3		50IA-4		50IA-5		50IA-6		50IA-7		50IA-8		50IA-9		50IA-10-AMBIENT	
	Date Sampled:		JA45062-1		JA45062-2		JA45062-3		JA45062-4		JA45062-5		JA45062-6		JA45062-7		JA45062-8		JA45062-9		JA45062-10	
			04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10		04/25/10	
			Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual
Volatiles																						
Acetone		4,600	**8.6**		**8.3**		**7.6**		**13**		**11.0**		**11**		**13**		**5.9**		**14**		**8.8**	
Benzene		2	**0.64**		**0.51 J**	**J**	**0.48 J**	**J**	**0.58 J**	**J**	**0.45 J**	**J**	**0.58 J**	**J**	**0.61 J**	**J**	**0.51 J**	**J**	**0.61 J**	**J**	**0.42 J**	**J**
Carbon disulfide		1,000	<0.62		**0.37 J**	**J**	<0.62		<0.62		<0.62		<0.62		<0.62		**0.53 J**	**J**	<0.62		<0.62	
Carbon tetrachloride		3	**0.82 J**	**J**	**0.82 J**	**J**	**0.94 J**	**J**	**0.75 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	**0.75 J**	**J**
Chloroform		2	<0.98		<0.98		<0.98		**1.1**		**1.0**		**0.78 J**	**J**	**0.54 J**	**J**	<0.98		**0.59 J**	**J**	<0.98	
Chloromethane		130	**1.4**		**1.4**		**1.1**		**1.1**		**1.1**		**1.3**		**1.3**		**1.3**		**1.2**		**1.3**	
Dichlorodifluoromethane		260	**3.7**		**3.8**		**3.4**		**3.3**		**3.2**		**3.1**		**3.2**		**3.1**		**3.3**		**3.5**	
cis-1,2-Dichloroethylene		51	<0.79		<0.79		<0.79		**1.7**		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79	
1,2-Dichloroethene (total) [(a)]		46	<0.79		<0.79		<0.79		**1.7**		<0.79		<0.79		<0.79		<0.79		<0.79		<0.79	
Dichloromethane		9	**0.83**		**1.1**		**0.69**		**1.1**		**1.1**		<0.69		<0.69		<0.69		**1.7**		**1.2**	
Ethanol		NLE	**5.8**		**6.8**		**5.1**		**38.1**		**34.9**		**28.6**		**29.4**		**4.1**		**35.8**		**4.7**	
Ethyl Acetate		NLE	**50**		**6.5**		**57.9**		**7.2**		**6.5**		**7.2**		**7.9**		**15**		**7.2**		**2.4**	
n-Heptane		NLE	<0.82		<0.82		<0.82		**0.49 J**	**J**	**0.41 J**	**J**	**0.41 J**	**J**	<0.82		<0.82		**0.49 J**	**J**	<0.82	
n-Hexane		1,000	**0.42 J**	**J**	**0.39 J**	**J**	**0.39 J**	**J**	**0.85**		**0.56 J**	**J**	**0.46 J**	**J**	**0.46 J**	**J**	<0.70		**0.74**		**0.56 J**	**J**
Isopropyl Alcohol		NLE	**1.7**		**1.3**		**3.9**		**7.9**		**9.3**		**6.4**		**5.9**		<0.49		**7.1**		**0.93**	
4-Methyl-2-pentanone (MIBK)		4,400	<0.82		<0.82		**0.49 J**	**J**	<0.82		<0.82		<0.82		<0.82		<0.82		<0.82		<0.82	
Methyl ethyl ketone		7,200	<0.59		**0.94**		**1.6**		**1.9**		**1.2**		<0.59		**1.3**		<0.59		**1.3**		**0.94**	
Propylene		NLE	**0.40 J**	**J**	**0.45 J**	**J**	<0.86		**1.0**		**0.82 J**	**J**	**0.76 J**	**J**	**0.69 J**	**J**	**0.31 J**	**J**	<0.86		**0.43 J**	**J**
Tertiary Butyl Alcohol		92	<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		<0.61		**0.36 J**	**J**	<0.61	
Tetrachloroethylene		3	<0.27		**0.4**		**0.37**		**0.43**		**0.31**		**0.24 J**	**J**	<0.27		<0.27		**7.5**		**0.88**	
Toluene		7,200	**2.0**		**1.6**		**1.1**		**2.6**		**2.0**		**2.1**		**3.4**		**2.3**		**6.0**		**3.7**	
1,2,4-Trichlorobenzene		51	<1.5		<1.5		**1.3 J**	**J**	<1.5		<1.5		<1.5		<1.5		<1.5		<1.5		<1.5	
1,1,1-Trichloroethane		1,400	<1.1		<1.1		<1.1		**0.87 J**	**J**	**1.0 J**	**J**	**0.71 J**	**J**	<1.1		<1.1		<1.1		<1.1	
Trichloroethylene		3	**1.0**		**0.64**		**0.37**		**0.24**		<0.21		<0.21		**1.1**		**0.37**		**0.81**		**0.20 J**	**J**
Trichlorofluoromethane		1,000	**2.4**		**3.3**		**2.4**		**4.0**		**4.7**		**6.2**		**11**		**2.4**		**13.0**		**4.9**	
1,1,2-Trichloro-1,2,2-trifluoroethane		44,000	**0.92 J**	**J**	**0.77 J**	**J**	**1.0 J**	**J**	**0.77 J**	**J**	<1.5		<1.5		**0.74 J**	**J**	<1.5		**0.84 J**	**J**	<1.5	
1,2,4-Trimethylbenzene		NLE	<0.98		<0.98		<0.98		<0.98		<0.98		<0.98		**0.54 J**	**J**	**0.69 J**	**J**	**0.69 J**	**J**	<0.98	
2,2,4-Trimethylpentane		NLE	<0.93		<0.93		<0.93		<0.93		**0.25 J**	**J**	<0.93		<0.93		<0.93		<0.93		<0.93	
Vinyl Acetate		NLE	<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		<0.70		**1.2**		<0.70	
Xylenes (m&p)		NLE	<0.87		<0.87		**0.52 J**	**J**	**0.74 J**	**J**	**0.61 J**	**J**	<0.87		**0.96**		**0.74 J**	**J**	**1.0**		**0.48 J**	**J**
Xylenes (total)		150	<0.87		<0.87		**0.52 J**	**J**	**0.74 J**	**J**	**0.61 J**	**J**	<0.87		**0.96**		**0.74 J**	**J**	**1.0**		**0.48 J**	**J**

[1] NJDEP Generic Vapor Intrusion Screening Levels, Indoor Air Screening Levels, Nonresidential, March 2007.

(a) = Sum of cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene.

BOLD = Analyte detected

= Concentration exceeds IA Nonresidential.

NLE = No Limit Established

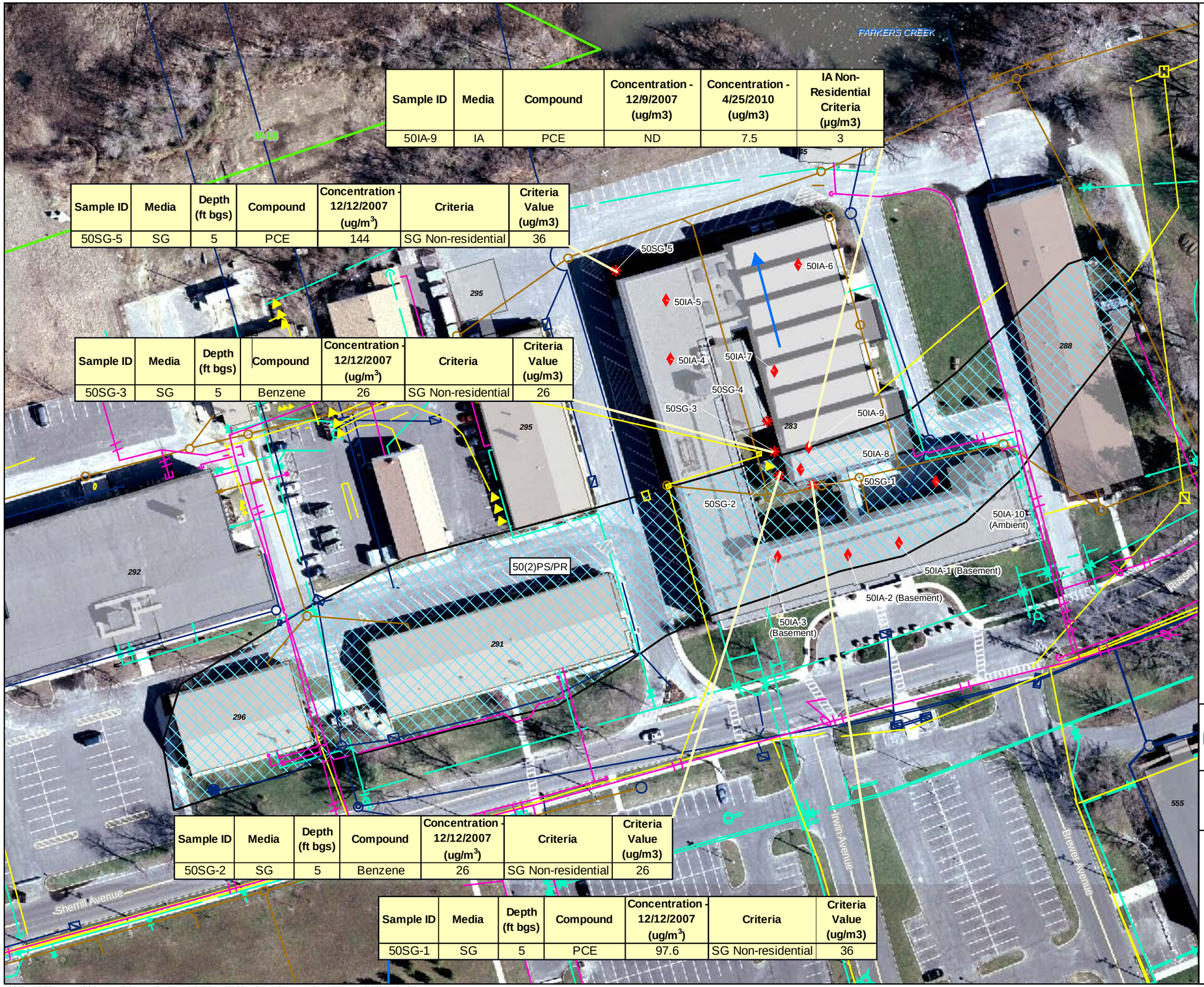
Laboratory Qualifiers:

E = Indicates value exceeded calibration range.

J = Indicates an estimated value.

Validation Qualifiers:

J = Indicates an estimated value.



Sample ID	Media	Compound	Concentration - 12/9/2007 (ug/m3)	Concentration - 4/25/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
50IA-9	IA	PCE	ND	7.5	3

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
50SG-5	SG	5	PCE	144	SG Non-residential	36

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
50SG-3	SG	5	Benzene	26	SG Non-residential	26

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
50SG-2	SG	5	Benzene	26	SG Non-residential	26

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
50SG-1	SG	5	PCE	97.6	SG Non-residential	36

LEGEND

- Soil-Gas Sample Location
- Indoor Air Sample Location
- Generalized Groundwater Flow Direction. Direction of Generalized Groundwater Flow derived from qualitative evaluation of surface topography, surface water features, and pre-existing IRP site groundwater potentiometric maps where available.
- Electrical Utility
- Natural Gas Utility
- Sanitary Sewer Utility
- Storm Sewer Utility
- Water Supply Utility
- Building
- IRP Site Boundary

ECP PARCEL CATEGORY DEFINITIONS

2 Areas where only release or disposal of petroleum products has occurred.

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- CONTAMINATION DESCRIPTION
  - HS - Hazardous Substance Storage
  - HR - Hazardous Substance Release
  - PS - Petroleum Storage
  - PR - Petroleum Release
  - (P) - Possible Release or Disposal
- CATEGORY NUMBER
- PARCEL NUMBER

N

SCALE:
0 37.5 75 150 Feet

Base Realignment and Closure 2005

U.S. Army Corps of Engineers

Shaw Environmental, Inc.

FIGURE 3-4.1
FORT MONMOUTH ECP
SITE INVESTIGATION

PARCEL 50 SOIL GAS AND INDOOR AIR SAMPLE LOCATIONS AND CONSTITUENTS OF CONCERN

MAIN POST
FORT MONMOUTH
NEW JERSEY

ArcGIS File: N:\GIS\Ft_Monmouth\GIS_Documents\Project_Maps\SI_Addendum\MP_Fig3_4-1_P50_SG_IA_Exceeds_SampLoc_No_RALs_HDNLs.mxd (12/13/2010 1:12:11 PM)

3.5 Parcel 52 – Bldg 699 – Army/Air Force Exchange Services Gas Station

3.5.1 Site Description

Bldg 699 is a full-service gas station and convenience store located on the south side of Saltzman Avenue in the central portion of the MP. Further details on Parcel 52 site description and previous investigations are provided in Sections 3.13.1 and 3.13.2 of the July 2008 SI Report.

3.5.2 Previous Investigations

Through previous investigations, groundwater VO contamination has been identified in close proximity to Bldg 699 and is being addressed under the IRP. BTEX and methyl tert-butyl ether (MTBE) have been detected in groundwater above the GWSLs. Therefore, VI at Bldg 699 was further evaluated through the collection of two near-slab and two sub-slab soil gas samples in December 2007.

As part of the 2008 SI, two near-slab soil gas and two sub-slab soil gas samples were collected (December 2007) and analyzed at Parcel 52 to evaluate the potential for VI at this facility. Details on the sampling effort are provided in Sections 3.13.3 and 3.13.4 of the July 2008 SI Report. No VOs were detected in near-slab soil gas samples above comparison criteria. PCE was detected above comparison criteria in both sub-slab soil gas samples. Sample locations are provided on **Figure 3.5-1**.

Based on NJDEP VI guidance [(2)] the collection of indoor air samples in Bldg 699 was recommended for Parcel 34.

3.5.3 Site Investigation Sampling

Three indoor air samples were collected within Bldg 699 in April 2010. In addition, 1 ambient (outdoor) sample was collected at Parcel 52 concurrently with the indoor samples to assist in evaluating background chemical levels.

See **Table 3.5-1** for a summary of the field activities and **Figure 3.5-1** for sample locations.

Table 3.5-1
Parcel 52 Vapor Intrusion Sampling Location, Rationale, and Analytical

Sample Location	Sample Date	Sample Media	Sample Location Rationale	Analytical Suite
52IA-1 through 50IA-4 (4 samples – includes 1 ambient sample)	April 2010	Indoor air	3 indoor air samples were collected from within Bldg 699. One additional ambient air sample was collected from outside the building. Sample locations were biased towards potential source areas and potential migration pathways.	NJDEP – SRWM USEPA TO-15 Method
52SG-1 and 2 (2 samples)	December 2007	Sub-slab soil gas	Two sub-slab soil gas samples were collected from under Bldg 699 biased to the north side of the building. Because this is an active service station with active fueling stations and automotive service bays, sub-slab soil gas was sampled in lieu of indoor air in order to minimize the potential exposure of collected samples to VOs that are likely attributable to active operations conducted within Bldg 699.	NJDEP – SRWM USEPA TO-15 Method
52SG-3 and 4 (2 samples)	December 2007	Near-slab soil gas	Two near-slab soil gas samples were collected at Bldg 699. Groundwater flow direction is to the south, and VOs have been detected above GWSLs north of the building. Therefore, the sample locations were biased to the north side of the building.	NJDEP – SRWM USEPA TO-15 Method

3.5.4 Site Investigation Results

A total of 28 volatiles that were detected in indoor air samples collected during the April 2010 sampling, and are presented in **Table 3.5-2**. Of these 28 volatiles, two (benzene and TCE) were detected at concentrations that exceeded the NJDEP NRIASLs.

Benzene was detected above the NJDEP NRIASL of 2 µg/m^3 in all three indoor air samples at concentrations ranging from 2.2 µg/m^3 in Sample 52IA-2 to 4.8 µg/m^3 in Sample 52IA-3. However, benzene was not detected in near slab or sub-slab soil gas at concentrations that are greater than the NJDEP NRSGSL. In addition, the facility is an active gas station and auto service center and the highest concentration of benzene in indoor air was detected in the sample collected from within the service garage portion of the building. Therefore, the likely source of benzene detected in indoor air is from activities at Building 699.

TCE was detected above the NJDEP NRIASL of 3 µg/m^3 in all three indoor air samples at concentrations ranging from 9.7 µg/m^3 in Sample 52IA-2 to 29 µg/m^3 in Sample 52IA-3. During a walkthrough of the building a container of refrigerant/leak sealer, labeled as containing TCE, was identified on a work bench within the auto service garage portion of the building. TCE was not detected in soil gas and it was not detected above screening criteria in groundwater. It is possible that the TCE identified in indoor air is attributable to building activities in Building 699, not vapor intrusion from groundwater.

3.5.5 Summary and Conclusions

Benzene and TCE were detected at concentrations greater than the NJDEP NRIASLs in all indoor air samples at Bldg 699. However, the source of these constituents could be attributed to active fueling stations and car service operations as well as the use of TCE containing products. PCE was not present in indoor air, but was detected in sub-slab soil gas during the December 2007 sampling event at concentrations almost 80 times the NJDEP NRSL. Due to high concentrations of PCE under the slab, additional sampling of both indoor air and sub-slab soil gas is recommended. It is recommended that indoor air samples and sub-slab soil gas samples be collected within a 36-hour period (24 hours for indoor air samples immediately followed by sub-slab sampling). Sampling points will be similar to the December 2007 and April 2010 sampling events.

To reduce TCE interference, it is also recommended that all TCE-containing products be removed from the building and venting of the building occurs prior to the next sampling round.

Table 3.5-2
Fort Monmouth ECP Site Investigation, Parcel 52
Summary of Analytical Parameters Detected Indoor Air (ug/m^3)

		Analytical Results							
	Sample ID:	52IA-1		52IA-2		52IA-3		52IA-4-AMBIENT	
	Lab ID:	JA45152-4		JA45152-3		JA45152-1		JA45152-2	
	Date Sampled:	04/26/10		04/26/10		04/26/10		04/26/10	
Chemical	IA Non-residential[1]	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual	Result / Lab Qual	Val Qual
Volatiles									
Acetone	4,600	**31.6**		**29**		**29.0**		**14**	
Benzene	2	**2.6**		**2.2**		**4.8**		**0.32 J**	**J**
Chloromethane	130	**1.2**		**1.2**		**1.1**		**1.2**	
Cyclohexane	8,700	**1.3**		**1.0**		**2.6**		<0.69	
Dichlorodifluoromethane	260	**2.1**		**2.2**		**2.1**		**2.1**	
Dichloromethane	9	**0.66 J**	**J**	**0.76**		**0.97**		<0.69	
Ethanol	NLE	**202 E**	**J**	**213 E**	**J**	**119 E**	**J**	**39.2**	
Ethyl Acetate	NLE	**7.6**		**10**		<0.72		**6.5**	
Ethylbenzene	1,500	**2.6**		**2.2**		**4.3**		<0.87	
4-Ethyltoluene	NLE	**1.6**		**1.2**		**3.2**		<0.98	
n-Heptane	NLE	**3.2**		**3.0**		**4.5**		<0.82	
n-Hexane	1,000	**4.6**		**3.5**		**9.9**		<0.70	
Isopropyl Alcohol	NLE	**19**		**20**		**5.9**		**0.59**	
4-Methyl-2-pentanone (MIBK)	4,400	**13**		**8.2**		**27**		<0.82	
Methyl ethyl ketone	7,200	**2.1**		**2.0**		**2.5**		**1.5**	
Methyl tertiary butyl ether (MTBE)	4	<0.72		<0.72		**0.79**		<0.72	
Styrene	1,500	**0.72 J**	**J**	**0.60 J**	**J**	<0.85		<0.85	
Tetrachloroethylene	3	**0.28**		**0.25 J**	**J**	**0.30**		**0.33**	
Toluene	7,200	**12.0**		**9.0**		**23**		**1.1**	
1,1,1-Trichloroethane	1,400	**0.93 J**	**J**	**0.65 J**	**J**	**2.1**		<1.1	
Trichloroethylene	3	**13**		**9.7**		**29**		<0.21	
Trichlorofluoromethane	1,000	**1.3**		**1.3**		**1.3**		**1.2**	
1,2,4-Trimethylbenzene	NLE	**8.4**		**6.4**		**16**		<0.98	
1,3,5-Trimethylbenzene	NLE	**2.1**		**1.7**		**3.9**		<0.98	
2,2,4-Trimethylpentane	NLE	**1.8**		**1.4**		**3.8**		<0.93	
Xylenes (m&p)	NLE	**11**		**8.7**		**21**		**0.52 J**	**J**
o-Xylene	NLE	**3.4**		**2.6**		**6.5**		<0.87	
Xylenes (total)	150	**14**		**11**		**27**		**0.52 J**	**J**

[1] NJDEP Generic Vapor Intrusion Screening Levels, Indoor Air Screening Levels, Nonresidential, March 2007.

BOLD = Analyte detected

NLE = No Limit Established

= Concentration exceeds IA Nonresidential.

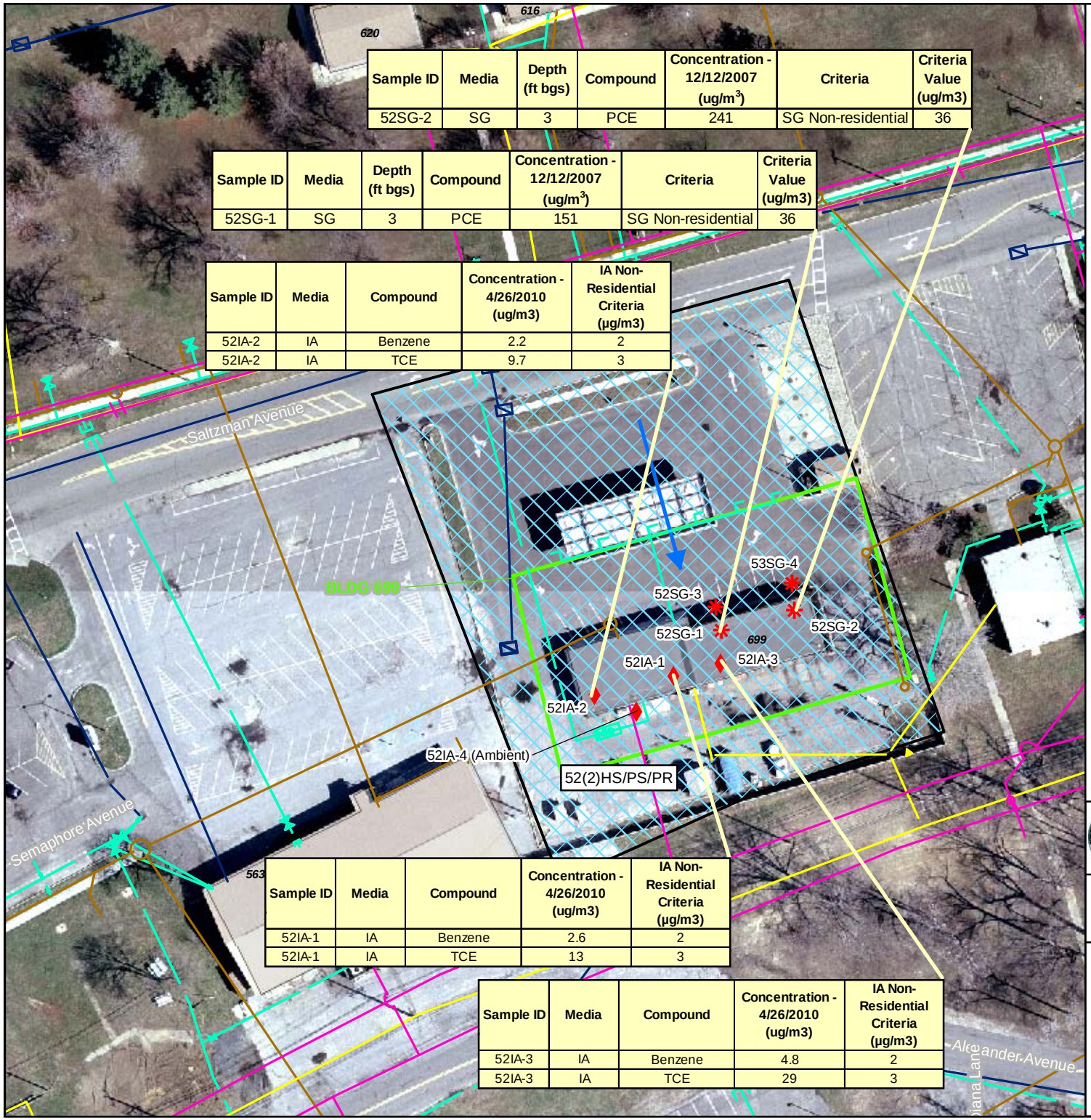
Laboratory Qualifiers:

E = Indicates value exceeded calibration range.

J = Indicates an estimated value.

Validation Qualifiers:

J = Indicates an estimated value.



Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
52SG-2	SG	3	PCE	241	SG Non-residential	36

Sample ID	Media	Depth (ft bgs)	Compound	Concentration - 12/12/2007 (ug/m^3)	Criteria	Criteria Value (ug/m3)
52SG-1	SG	3	PCE	151	SG Non-residential	36

Sample ID	Media	Compound	Concentration - 4/26/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
52IA-2	IA	Benzene	2.2	2
52IA-2	IA	TCE	9.7	3

Sample ID	Media	Compound	Concentration - 4/26/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
52IA-1	IA	Benzene	2.6	2
52IA-1	IA	TCE	13	3

Sample ID	Media	Compound	Concentration - 4/26/2010 (ug/m3)	IA Non-Residential Criteria (µg/m3)
52IA-3	IA	Benzene	4.8	2
52IA-3	IA	TCE	29	3

LEGEND

- Soil-Gas Sample Location
- Indoor Air Sample Location
- Generalized Groundwater Flow Direction. Direction of Generalized Groundwater Flow derived from qualitative evaluation of surface topography, surface water features, and pre-existing IRP site groundwater potentiometric maps where available.
- Electrical Utility
- Natural Gas Utility
- Sanitary Sewer Utility
- Storm Sewer Utility
- Water Supply Utility
- Building
- IRP Site Boundary
- Installation Boundary

ECP PARCEL CATEGORY DEFINITIONS

2 Areas where only release or disposal of petroleum products has occurred.

BRAC PARCEL LABEL DEFINITIONS

8(2)PS
- CONTAMINATION DESCRIPTION
  - HS - Hazardous Substance Storage
  - HR - Hazardous Substance Release
  - PS - Petroleum Storage
  - PR - Petroleum Release
  - (P) - Possible Release or Disposal
- CATEGORY NUMBER
- PARCEL NUMBER

N

SCALE:

0 37.5 75 150 Feet

Base Realignment and Closure 2005

U.S. Army Corps of Engineers

Shaw Shaw Environmental, Inc.

FIGURE 3.5-1
FORT MONMOUTH ECP SITE INVESTIGATION
PARCEL 52 SOIL GAS AND INDOOR AIR SAMPLE LOCATIONS AND CONSTITUENTS OF CONCERN

MAIN POST
FORT MONMOUTH
NEW JERSEY

ArcGIS File: N:\GIS\Ft_Monmouth\GIS_Documents\Project_Maps\SI_Addendum\MP_Fig3_5-1_P52_IA_SG_Exceeds_SampLoc_No_RALs_HDNLs.mxd (12/13/2010)

4 Conclusions and Recommendations

Indoor air samples were collected at five parcels to evaluate the potential for the intrusion of COCs present in groundwater and soil gas in close proximity to existing facilities. Even though the groundwater VOs identified as COCs in groundwater were the targeted analytes being investigated, samples were analyzed for the comprehensive VO analytical list, which includes the targeted compounds as well as others that have not been detected in groundwater or soil gas.

Indoor air investigations at Parcels 15, 34, 43, 50, and 52 identified benzene, chloroform, TCE, and PCE at concentrations greater than the NJDEP NRIASLs in one or more indoor air samples as follows:

- **Parcel 15** - benzene, chloroform, TCE, and PCE were detected above the NRIASLs at Parcel 15.
- **Parcel 34** - No groundwater constituents were detected above their respective NRIASLs.
- **Parcel 43** - Benzene and PCE were detected above the NRIASLs.
- **Parcel 50** - PCE was detected above the NRIASL in one sample (50IA-9).
- **Parcel 52** - Benzene and TCE were detected above the NRIASLs in all samples.

4.1 Recommendations

Based upon field sampling activities, information collected to date, and current NJDEP VI guidance; further evaluation of COCs identified in indoor air and soil gas is recommended. Sampling in each building should be performed with the collection of indoor air samples being conducted first for 24-hour, followed immediately by a 1-hour sub-slab soil gas sample. The sub-slab sample will be collected after the 24-hour indoor air sample canisters have been collected. If feasible, sampling points will be similar to December 2007 and April 2010 sampling events for both indoor air and sub-sub soil gas points (or near-slab points).

5 References

(1) U.S. Army BRAC, 2007. Environmental Condition of Property Report - Fort Monmouth, Monmouth County, New Jersey. Final. January 29, 2007.

(2) New Jersey Department of Environmental Protection (NJDEP), 2005. Vapor Intrusion Guidance. Prepared by staff in the NJDEP Site Remediation and Waste Management Program (SRWMP) and the Division of Science, Research and Technology (DSRT). October 2005.

(3) NJDEP, 2005. Field Sampling Procedures Manual.

(4) U.S. Environmental Protection Agency (USEPA), 2002. Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils [Draft Subsurface Vapor Intrusion Guidance]. Office of Solid Waste and Emergency Response, Washington D.C. USEPA530-F-02-052.

(5) U.S. Army BRAC, 2008. Site Investigation Report - Fort Monmouth, Monmouth County, New Jersey. Final. July 2008.

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Kevin Gerdes Date: 4/22/10

Preparer's affiliation: Shaw E&I Phone #: (973) 770-5321

Site Name: Fort Monmouth Case #: _____

Part I - Occupants

Building Address: Building 699

Property Contact: Gundron Clarke Owner / Renter / (other) employee

Contact's Phone: home ( ) _____ work (732) 542-5353 cell ( ) _____

# of Building occupants: Children under age 13 ____ Children age 13-18 ____ Adults >5

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / (commercial) / industrial

Describe building: Service Station & Store Year constructed: -

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: 0 (full basement / crawl space / (slab on grade))

Number of floors at or above grade: 1

Depth of basement below grade surface: N/A ft. Basement size: N/A ft^2

Basement floor construction: concrete / dirt / floating / stone / other (specify): N/A

Foundation walls: poured concrete / (cinder blocks) / stone / other (specify) _____

Basement sump present? *Yes* / (*No*) Sump pump? *Yes* / (*No*) Water in sump? *Yes* / (*No*)

Type of heating system (circle all that apply):

(hot air circulation) hot air radiation wood steam radiation
heat pump hot water radiation kerosene heater electric baseboard
other (specify): _____

Type of ventilation system (circle all that apply):

(central air conditioning) mechanical fans bathroom ventilation fans
individual air conditioning units kitchen range hood fan outside air intake
other (specify): _____

Type of fuel utilized (circle all that apply):

(Natural gas) / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes / No* N/A

Is there a whole house fan? *Yes* / (No)

Septic system? *Yes / Yes (but not used)* / (No)

Irrigation/private well? *Yes / Yes (but not used)* / (No)

Type of ground cover outside of building: grass / concrete / (asphalt) / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / (No) *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / (No)
Type of barrier: _____

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): —

Other stationary sources nearby (gas stations, emission stacks, etc.): Gas Station

Heavy vehicular traffic nearby (or other mobile sources): Yes (at station)

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	Garage	No
Gas-powered equipment	"	
Kerosene storage cans	"	
Paints / thinners / strippers	"	
Cleaning solvents	"	
Oven cleaners	—	
Carpet / upholstery cleaners	—	
Other house cleaning products	Garage, Store Rm + Store	
Moth balls	—	
Polishes / waxes	Garage	
Insecticides	Store, Store Rm	
Furniture / floor polish	—	
Nail polish / polish remover	—	
Hairspray	—	
Cologne / perfume	—	
Air fresheners	Store	
Fuel tank (inside building)	—	NA
Wood stove or fireplace	—	NA
New furniture / upholstery	—	
New carpeting / flooring	—	NA
Hobbies - glues, paints, etc.	Garage - puncture seal (tires)	

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes / No* How often? unk

Last time someone smoked in the building? unknown hours / *days* *ago*

Does the building have an attached garage directly connected to ~~living space~~ store? (*Yes*) / *No*

If so, is a car usually parked in the garage? (*Yes*) / *No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? (*Yes*) / *No*

Do the occupants of the building have their clothes dry cleaned? (*Yes*) / *No*

If yes, how often? weekly (monthly) / 3-4 times a year

Do any of the occupants use solvents in work? (*Yes*) / *No*

If yes, what types of solvents are used? autoparts/grease cleaning

If yes, are their clothes washed at work? *Yes* / (*No*)

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / No

If so, when and which chemicals? unknown

Has there ever been a fire in the building? *Yes* / (*No*) If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / (*No*)

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Gerdes / Kelly Phone number: ( ) _____ - _____

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / (Stainless Steel Canister) Other (specify): _____

Analytical Method: (TO-15) / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # 52IA- 1 (east end of storeroom) Field ID # 52IA- 2 (west end of store rm)

Field ID # 52IA-3 (garage closet) Field ID # 52IA-4 (ambient/outside)

Were "Instructions for Occupants" followed? (*Yes*) / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

See WorkPlan figure

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? (Yes) / No

Describe the general weather conditions: light rain, 50°F

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

Site is an active gas station that operates 7 days/wk. (KSC)

(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Kevin Gerdes Date: 4/22/10

Preparer's affiliation: Shaw E&I Phone #: (973)770-5321

Site Name: Fort Monmouth Case #: _____

Part I - Occupants

Building Address: Squier Hall, Bldg 283

Property Contact: Collette Clay/Jeanne Rager Owner / Renter / (other) employees

Contact's Phone: home ( ) _____ work (732) 427-6593 - Collette cell ( ) _____
-6974 Jeanne

# of Building occupants: Children under age 13 _____ Children age 13-18 _____ Adults >50

Part II – Building Characteristics

Building type: residential / multi-family residential / (office) / strip mall / commercial / industrial

Describe building: office/lab Year constructed: 1920s

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: 1 (full (basement)* / (crawl space) / slab on grade) *Partial

Number of floors at or above grade: 2

Depth of basement below grade surface: 9 ft. Basement size: _____ ft²

Basement floor construction: concrete / dirt / floating / stone / other (specify): _____

Foundation walls: poured concrete / (cinder blocks) / stone / other (specify) _____

Basement sump present? (Yes) / No Sump pump? (Yes) / No Water in sump? (Yes) / No
Basement Floods

Type of heating system (circle all that apply):

hot air circulation	hot air radiation	wood	steam radiation
heat pump	hot water radiation	kerosene heater	electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply):

(central air conditioning)	mechanical fans	bathroom ventilation fans
(individual air conditioning units)	kitchen range hood fan	outside air intake

other (specify): _____

Type of fuel utilized (circle all that apply):

(Natural gas) / electric / (fuel oil) / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? Yes / (No)

Is there a whole house fan? *Yes* / (No)

Septic system? *Yes / Yes (but not used)* / (No)

Irrigation/private well? *Yes / Yes (but not used)* / (No)

Type of ground cover outside of building: (grass) / concrete / asphalt / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / (No) *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / (No)
Type of barrier: _____

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): None

Other stationary sources nearby (gas stations, emission stacks, etc.): None

Heavy vehicular traffic nearby (or other mobile sources): Minor

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans		
Gas-powered equipment		
Kerosene storage cans		
Paints / thinners / strippers		
Cleaning solvents	Yes	NO
Oven cleaners		
Carpet / upholstery cleaners	Yes	
Other house cleaning products	Yes	
Moth balls		
Polishes / waxes		
Insecticides	UNKNOWN	
Furniture / floor polish		
Nail polish / polish remover		
Hairspray		
Cologne / perfume		
Air fresheners	Yes	
Fuel tank (inside building)		NA
Wood stove or fireplace		NA
New furniture / upholstery		
New carpeting / flooring		NA
Hobbies - glues, paints, etc.		

Part V – Miscellaneous Items

Do any occupants of the building smoke? (Yes) / No How often? Unknown - Designated Area OUTSIDE

Last time someone smoked in the building? unk. hours / days ago

Does the building have an attached garage directly connected to living space? Yes (No)

If so, is a car usually parked in the garage? Yes (No)

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? Yes (No)

Do the occupants of the building have their clothes dry cleaned? (Yes) / No

If yes, how often? weekly / (monthly) / 3-4 times a year

Do any of the occupants use solvents in work? Yes / (No)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Yes / No

Have any pesticides/herbicides been applied around the building or in the yard? Yes / No

If so, when and which chemicals? unknown (likely yes)

Has there ever been a fire in the building? Yes / No If yes, when? unknown

Has painting or staining been done in the building in the last 6 months? Yes / (No)

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Gerdes / Kelly Phone number: ( ) _____ - _____

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / (Stainless Steel Canister) / Other (specify): _____

Analytical Method: (TO-15) / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # SOIA 1 through 10 Field ID # _____ - 1 through 3 - basement

Field ID # _____ - _____ Field ID # _____ - 4 through 9 - 1st Floor
10 - Ambient

Were "Instructions for Occupants" followed? (Yes) / No

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

See Work Plan figure.

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? (Yes) No

Describe the general weather conditions: Light rain, 50°F

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Kevin Gerdes Date: 4/22/10

Preparer's affiliation: Shaw E&I Phone #: (973) 770.5321

Site Name: Fort Monmouth Case #: _____

Part I - Occupants

Building Address: Building 2700

Property Contact: Javier Inclan Owner / Renter / (other): employee

Contact's Phone: home ( ) _____ work 732 532-0356 cell ( ) _____

# of Building occupants: Children under age 13 ____ Children age 13-18 ____ Adults ~1,000

Part II – Building Characteristics

Building type: residential / multi-family residential / (office) / strip mall / commercial / industrial

Describe building: Lab / Office Year constructed: 1950's

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: 1 (full basement* / crawl space / slab on grade) * partial

↳ beneath auditorium

Number of floors at or above grade: 4

Depth of basement below grade surface: 10-12 ft. Basement size: _____ ft²

Basement floor construction: (concrete) / dirt / floating / stone / other (specify): _____

Foundation walls: (poured concrete) / (cinder blocks) / stone / other (specify) _____

Basement sump present? (Yes) / No Sump pump? (Yes) / No Water in sump? (Yes) / No

Type of heating system (circle all that apply):

hot air circulation — hot air radiation — wood — steam radiation

heat pump — (hot water radiation) — kerosene heater — electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply):

(central air conditioning) — mechanical fans — bathroom ventilation fans

(individual air conditioning units) — kitchen range hood fan — outside air intake

other (specify): _____

Type of fuel utilized (circle all that apply):

(Natural gas) / electric / (fuel oil) / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? Yes / (No)

Is there a whole house fan? *Yes* / (No)

Septic system? *Yes / Yes (but not used)* / (No)

Irrigation/private well? *Yes / Yes (but not used)* / (No)

Type of ground cover outside of building: (grass) concrete / (asphalt) other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes* / (No) *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes* / (No)
Type of barrier: _____

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): _____

Other stationary sources nearby (gas stations, emission stacks, etc.): Soil Vapor Remediation System

Heavy vehicular traffic nearby (or other mobile sources): Moderate

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	Storage Area	NO
Gas-powered equipment	Storage Area	
Kerosene storage cans		
Paints / thinners / strippers	Storage Area - 1st Floor	
Cleaning solvents	Storage Area - 1st Floor (laundry closet, MR14)	
Oven cleaners		
Carpet / upholstery cleaners		
Other house cleaning products	Storage Area / throughout	
Moth balls		
Polishes / waxes	Floor machines/cleaners in MR14	
Insecticides	unknown	
Furniture / floor polish	Floor - MR14	
Nail polish / polish remover		
Hairspray		
Cologne / perfume		
Air fresheners	Yes - throughout	
Fuel tank (inside building)		NA
Wood stove or fireplace		NA
New furniture / upholstery		
New carpeting / flooring		NA
Hobbies - glues, paints, etc.		

Part V – Miscellaneous Items

Do any occupants of the building smoke? (Yes) / No How often? OUTSIDE

Last time someone smoked in the building? unk hours / *days ago*

Does the building have an attached garage directly connected to living space? (Yes) / No

If so, is a car usually parked in the garage? Yes / (No)

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? Yes / No (UNK)

Do the occupants of the building have their clothes dry cleaned? (Yes) / No

If yes, how often? weekly / (monthly) / 3-4 times a year

Do any of the occupants use solvents in work? Yes / (No)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Yes / No

Have any pesticides/herbicides been applied around the building or in the yard? Yes / No

If so, when and which chemicals? unk (likely yes)

Has there ever been a fire in the building? Yes / No If yes, when? unk

Has painting or staining been done in the building in the last 6 months? Yes / No (UNK)

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Godes / Kelly Phone number: ( ) _____ - _____

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / (Stainless Steel Canister) Other (specify): _____

Analytical Method: (TO-15) / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

Field ID # 15IA - 1 through 15 Field ID # Basement - 1 through 4, 6 through 9, 1st Floor - 5, 10 through 14, Auditorium Crawl Space - 15

Field ID # 15IA - Ambient (outside) Field ID # ____ - _____

Were "Instructions for Occupants" followed? (Yes) / No

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building

See WorkPlan figure

Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? (Yes) / No

Describe the general weather conditions: Light rain, 50°F

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Kevin Gerdes Date: 4/22/10

Preparer's affiliation: Shaw E&I Phone #: (973) 770-5321

Site Name: Fort Monmouth Case #: _____

Part I - Occupants

Building Address: Building 2567

Property Contact: Gundron Clarke Owner / Renter / (other): employee

Contact's Phone: home ( ) _____ work (732) 542-5353 cell ( ) _____

# of Building occupants: Children under age 13 _____ Children age 13-18 _____ Adults >3

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / (commercial) / industrial

Describe building: Gas Station Year constructed: 1970s

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: 0 (full basement / crawl space / (slab on grade))

Number of floors at or above grade: 1

Depth of basement below grade surface: N/A ft. Basement size: N/A ft^2

Basement floor construction: concrete / dirt / floating / stone / other (specify): N/A

Foundation walls: poured concrete / (cinder blocks) / stone / other (specify) _____

Basement sump present? *Yes / No* Sump pump? *Yes* / (*No*) Water in sump? *Yes / No*

Type of heating system (circle all that apply):

(hot air circulation) hot air radiation wood steam radiation
heat pump hot water radiation kerosene heater electric baseboard
other (specify): _____

Type of ventilation system (circle all that apply):

(central air conditioning) mechanical fans bathroom ventilation fans
individual air conditioning units kitchen range hood fan outside air intake
other (specify): _____

Type of fuel utilized (circle all that apply):

(Natural gas) / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes* / (*No*)

Is there a whole house fan? *Yes / (No)*

Septic system? *Yes / Yes (but not used) / No* (unk)

Irrigation/private well? *Yes / Yes (but not used) / No* (unk)

Type of ground cover outside of building: (grass) / concrete / (asphalt) / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes /* (No) *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes / No*
Type of barrier: unknown - likely none

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): None

Other stationary sources nearby (gas stations, emission stacks, etc.): Gas Pumps / tanks

Heavy vehicular traffic nearby (or other mobile sources): yes

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	No	No
Gas-powered equipment	No	
Kerosene storage cans	No	
Paints / thinners / strippers	No	
Cleaning solvents	Yes	
Oven cleaners	No	
Carpet / upholstery cleaners		
Other house cleaning products	Yes - sealed for sale	
Moth balls	No	
Polishes / waxes	Yes - gas pump cleaner, wheel cleaner*	
Insecticides	Yes - wasp & hornet killer	
Furniture / floor polish	Yes	
Nail polish / polish remover	Yes - sealed	
Hairspray	Yes - sealed	
Cologne / perfume	Yes	
Air fresheners	Yes	
Fuel tank (inside building)	No	NA
Wood stove or fireplace		NA
New furniture / upholstery		
New carpeting / flooring		NA
Hobbies - glues, paints, etc.		

* plus sealed products packaged for sale

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes / No* (UNK) How often? _____

Last time someone smoked in the building? UNK hours / *days ago*

Does the building have an attached garage directly connected to living space? *Yes* / (*No*)

If so, is a car usually parked in the garage? *Yes* / (*No*)

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? *Yes* / (*No*)

Do the occupants of the building have their clothes dry cleaned? (*Yes*) / *No*

If yes, how often? weekly / (monthly) / 3-4 times a year

Do any of the occupants use solvents in work? *Yes* (*No*)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? *Yes / No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / No

If so, when and which chemicals? UNKNOWN

Has there ever been a fire in the building? *Yes* / (*No*) If yes, when? _____

Has painting or staining been done in the building in the last 6 months? *Yes* / (*No*)

If yes, when _____ and where? _____

Part VI – Sampling Information

Sample Technician: Gerdes, Kelly Phone number: ( ) _____ - _____

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / (Stainless Steel Canister) / Other (specify): _____

Analytical Method: (TO-15) / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

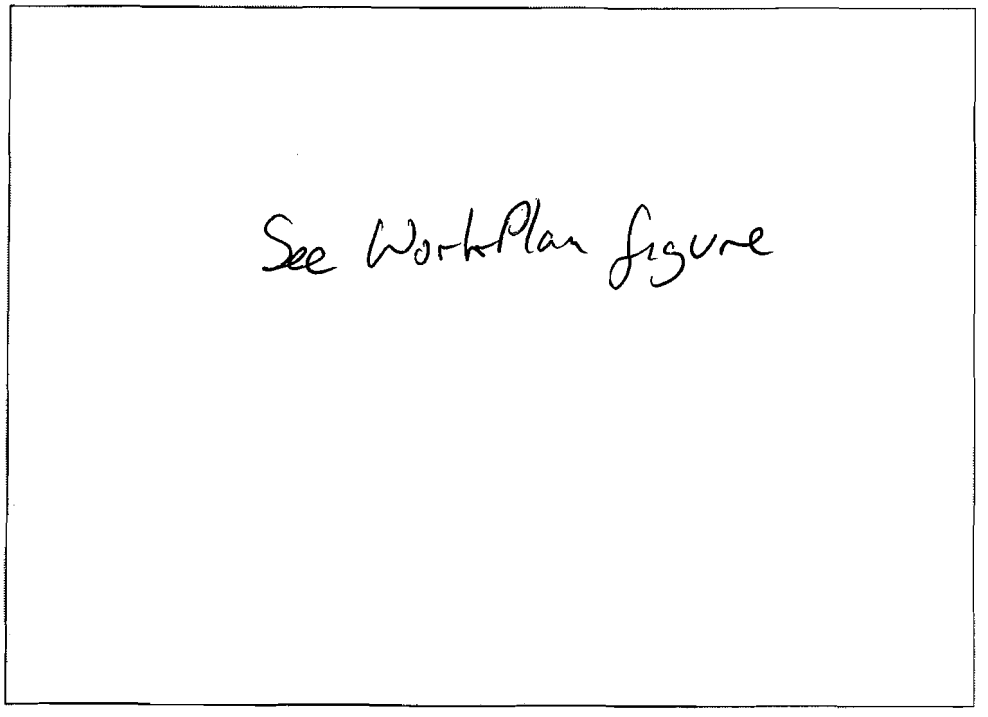
Field ID # 34IA-1 (office) Field ID # 34IA-2 (storage rm)

Field ID # 34IA-3 (ambient) Field ID # ____ - _____

Were "Instructions for Occupants" followed? (*Yes*) / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building



Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? (Yes) No

Describe the general weather conditions: Light rain, 50°F

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

New Jersey Department of Environmental Protection

INDOOR AIR BUILDING SURVEY and SAMPLING FORM

Preparer's name: Kevin Gerdes Date: 4/22/10

Preparer's affiliation: Shaw E&I Phone #: (973)770-5321

Site Name: Fort Monmouth Case #: _____

Part I - Occupants

Building Address: Bldg 1122 - Autocraft Shop & Ceramics Craft Shop

Property Contact: Jim Webb - auto Sue - ceramics Owner / Renter / other: Redacted - Privacy Act

Contact's Phone: home ( ) _____ work ( ) _____ cell

# of Building occupants: Children under age 13 _____ Children age 13-18 _____ Adults >10

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / commercial / industrial

Describe building: ① Autocraft shop ② Ceramics (arts & crafts) Year constructed: 1970's

Sensitive population: day care / nursing home / hospital / school / other (specify): None

Number of floors below grade: 0 (full basement / crawl space / slab on grade)

Number of floors at or above grade: 1

Depth of basement below grade surface: N/A ft. Basement size: N/A ft²

Basement floor construction: concrete / dirt / floating / stone / other (specify): N/A

Foundation walls: poured concrete / cinder blocks / stone / other (specify) _____

Basement sump present? *Yes* / No Sump pump? *Yes* / No Water in sump? *Yes* / No

Type of heating system (circle all that apply):

hot air circulation	hot air radiation	wood	steam radiation
heat pump	hot water radiation	kerosene heater	electric baseboard

other (specify): _____

Type of ventilation system (circle all that apply):

central air conditioning	mechanical fans	bathroom ventilation fans
individual air conditioning units	kitchen range hood fan	outside air intake

other (specify): _____

Type of fuel utilized (circle all that apply):

Natural gas / electric / fuel oil / wood / coal / solar / kerosene

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes* / *No* N/A

Is there a whole house fan? *Yes / (No)*

Septic system? *Yes / Yes (but not used) / (No)*

Irrigation/private well? *Yes / Yes (but not used) / (No)*

Type of ground cover outside of building: grass / concrete / (asphalt) / other (specify) _____

Existing subsurface depressurization (radon) system in place? *Yes /* (No) *active / passive*

Sub-slab vapor/moisture barrier in place? *Yes / No*
Type of barrier: unknown - likely none

Part III - Outside Contaminant Sources

NJDEP contaminated site (1000-ft. radius): None

Other stationary sources nearby (gas stations, emission stacks, etc.): Autos in shop

Heavy vehicular traffic nearby (or other mobile sources): No

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor and room), and whether the item was removed from the building 48 hours prior to indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the commencement of the indoor air sampling event.

Potential Sources	Location(s)	Removed (Yes / No / NA)
Gasoline storage cans	Autocraft	No
Gas-powered equipment	Autocraft	
Kerosene storage cans		
Paints / thinners / strippers*	Both (incl. paint thinner oil/petroleum dist. & Brushspotter 620/methylene chloride)	
Cleaning solvents	Both	
Oven cleaners		
Carpet / upholstery cleaners		
Other house cleaning products	throughout	
Moth balls		
Polishes / waxes	throughout	
Insecticides	Wasp & Hornet Killer	
Furniture / floor polish		
Nail polish / polish remover		
Hairspray		
Cologne / perfume		
Air fresheners	yes - b.th	
Fuel tank (inside building)	No	NA
Wood stove or fireplace		NA
New furniture / upholstery		
New carpeting / flooring		NA
Hobbies - glues, paints, etc.	Craft/ceramics	

*also bleach, polyurethane, glass cleaner, ammonia, ceramic sealer - Cheytones & acetates (96)

Part V – Miscellaneous Items

Do any occupants of the building smoke? *Yes* / (No) How often? _____

Last time someone smoked in the building? UNK hours / *days* *ago*

Does the building have an attached garage directly connected to ~~living~~ work space? (Yes) / *No*

If so, is a car usually parked in the garage? (Yes) / *No*

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? (Yes) / *No*

Do the occupants of the building have their clothes dry cleaned? (Yes) / *No*

If yes, how often? weekly / (monthly) / 3-4 times a year

Do any of the occupants use solvents in work? (Yes) / *No*

If yes, what types of solvents are used? ceramics sealers/glazes etc automotive solvents (parts cleaning is detergent based)

If yes, are their clothes washed at work? *Yes* / *No*

Have any pesticides/herbicides been applied around the building or in the yard? *Yes* / No (UNK)

If so, when and which chemicals? _____

Has there ever been a fire in the building? *Yes* / (No) If yes, when? _____

Has painting or staining been done in the building in the last 6 months? (Yes) / *No*

If yes, when regular and where? Arts & Crafts

Part VI – Sampling Information

Sample Technician: Geddes, Kelly Phone number: ( ) _____ - _____

Sample Source: (Indoor Air) / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: Tedlar bag / Sorbent / (Stainless Steel Canister) Other (specify): _____

Analytical Method: (TO-15) / TO-17 / other: _____ Cert. Laboratory: _____

Sample locations (floor, room):

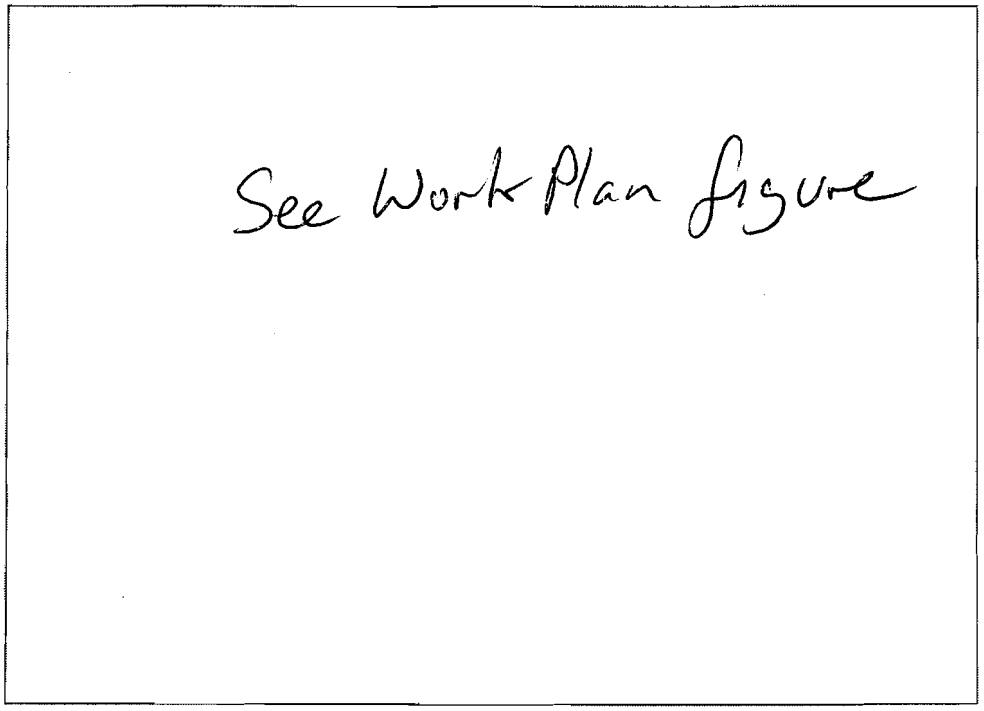
Field ID # 43IA 1 through 3 Field ID # _____ - _____

Field ID # one sample ea. in Arts+Crafts, Field ID # _____ - Autocraft, outside

Were "Instructions for Occupants" followed? (Yes) / *No*

If not, describe modifications: _____

Provide Drawing of Sample Location(s) in Building



Part VII - Meteorological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event? *Yes / No*

Describe the general weather conditions: Light Rain, 55°F

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

(NJDEP 1997; NHDES 1998; VDOH 1993; MassDEP 2002; NYSDOH 2005; CalEPA 2005)

4/22/10

IA Sampling @ FTMM - Walk through
Kevin Gerdes & Mark Magness
1000 mt. w/ Wanda Green & Bldg 1122 POC
@ Bldg 1122 (Jim)
- Plan 0830 Mon 4/26 to start IA
~~978-466-0538 Jim Webb - KSG~~
PID - up to 0.9 ppm in NE garage
highest reading in autocraft area
~~Bldg 2567 - 930AM Sun 4/25~~ RSG
Ceramics shop (1122) PID - 0.3 - 0.6 ppm
1040 ⇒ Squier (Bldg 283)
Set up 8AM Sat 4/24
PID 0 - 0.2 ppm (basement)
sat Collette Clay (732) 427-6593
sun Jeanne (732) 427-~~0974~~
cell 732 233-0507
1115 ⇒ 6469 (Main Post Gas)
PID shop - 0 ppm, back rm - 0.1 ppm
garage - 0.1 ppm
Bldg 2567 - Set up @ 8AM Sunday
1140 ⇒ 2567
PID 0 - shop, 0.4 ppm - storeroom

4/24/10 FTMM Indoor Air

0745 K. Gordes & Jessica Kelly on past mt. w/ Bob Becker - Environmental office

0800 ⇨ Bldg 283

0810 ~~Set up 50IA-1 in Bldg 283 basement by wire divider 28.5" Hg~~ (KSG)
Set up 50IA-3 in Bldg 283 basement in crawl space 30" Hg

0815 50IA-2 b/t locations 30" Hg 50IA-1 (wire divider) & 50IA-~~13~~ KSG

0820 50IA-1 by wire divider 28" Hg

0825 50IA-4 in Hallway by Rm 144 29.5" Hg

0830 50IA-5 in Hall by Rm 130 30" Hg

0835 50IA-6 in Hall across from Rm 126 (b/t vending machines)

0840 50IA-7 in Rm 117 30" Hg

0845 50IA-9 in Rm 115 back table 29.5" Hg

0850 50IA-8 in mechanical room (access through Rm 117) 29" Hg

0855 50IA-~~10~~ 12 (KSG) Ambient on Loading Dock 29" Hg

0915 Drive to 2700

0930 15IA-2 in SE basement by elevator PID=0 30" Hg

0935 15IA-1 outside Rm OA504 (door locked) left in hallway 30" Hg PID=0

~~0940~~ 0945 15IA-3 in Sub Sta 7 PID=0 30" Hg

0955 15IA-4 across from OA336 near door that looks like bank vault PID=0 30" Hg

1000 15IA-6 in boiler rm (basement) under staircase PID=0 29" Hg

1005 15IA-7 in boiler rm b/t sumps on left side of room upon entering (far wall from entrance PID=0, 30" Hg

1010 15IA-8 in boiler Rm on far wall or sump directly across from entrance PID=0 30" Hg

1015 15IA-9 in basement by freight elevator PID=0 30" Hg

1020 15IA-10 in 7st fl loading dock in cage on desk PID=0, 30"Hg

1025 15IA-5 hall outside 7AB328 PID=0 30"Hg

1030 15IA-11 7st Fl Janitor's Closet PID=0 30"Hg

1035 15IA-12 Machine Rm 14 (nr sump) PID=0 30" Hg

Floor cleaning supplies/machines stored in room - noticeable odor

- Spray buff (ingredients water, ethylene-acrylic acid copolymer, alcohol ethoxylate)
- Safe 2 Clean (hydrogen peroxide, alcohol ethoxylate, D-limonene)
- Sikatop Plus component A (water, "Trade Secret", Ferroguard 901)
- Brite - stainless steel cleaner (water based, petroleum distillates, dimethyl poly siloxane, propane, butane
- "Nutro Cleaner" - hand written label

1050 15IA-13 Visual Info Rm @ bottom of stairs (near Stairway 3) PID=0 30"Hg

1055 15IA-14 by Stairway #2 PID=0.1 ppm 30"Hg

1100 15IA-15 Auditorium hatch PID=0 23"Hg !!!

1115 15IA-Ambient PID=0 30"Hg

1200 Off site

4/25/10 FTMM IA Sampling
800 K. Cordes + J Kelly at Gundron
@ Bldg 2567 + Bob Becker
— Set up 34IA-1 in small office
just computer equipment / printer
0805 34IA-2 in store rm
Store rm has some cleaning supplies
- Tokheim, gas pump cleaner
- Blast'em wasp + hornet killer
- Loctite Extend Rust Neutralizer
- One Touch All Wheel Care
Both 34IA-1 + 2 PID=0, 30" Hg
0810 34IA-3 Ambient, outside front of store
PID=0 29" Hg
0820 PU 50IA-1 5" Hg
PU 50IA-3 5" Hg
PU 50IA-2 5" Hg
0830 PU 50IA-4 7" Hg
PU 50IA-5 3" Hg
0835 PU 50IA-6 7" Hg
0840 PU 50IA-7 5.5" Hg
0845 PU 50IA-9 4.5" Hg
0850 PU 50IA-8 5" Hg
0855 PU 50IA-10 7.5" Hg
0910 Drive to Auto/Ceramics (Bldg 122)
to review sampling locations

for Monday 4/26/10
0930 Bldg 6049 - Main Post Gas Station
Store Rm contains many pre-packaged automotive + cleaning supplies for sale (unopened)
- antifreeze, wheel cleaner, starting fluid deicer, etc.
Garage - tires - smells like tires
garage also contains numerous items associated w/ vehicle maintenance + auto repair - solvents/cleaners including wheel cleaner, simple green, goo gone. Puncture seal (tires) / fix-a-flat
used oil tank, used oil filters
Garage closet - cleaning supplies
"cleaning solution" hand written label
wasp + hornet killer
Foaming carpet cleaner, bathroom cleaner + WD-40
open bottles in closet
0930 Set up 52IA-1 in east end of store rm 30" Hg PID=0
0935 52IA-2 in west end of store rm
30" Hg PID=0.2
0940 52IA-3 in Garage PID=0.2
30" Hg

0950 ⇒ Bldg 2700

1005 PU 15IA-2 3.5" Hg
PU 15IA-1 3.5" Hg
1010 PU 15IA-3 4.5" Hg
1015 PU 15IA-4 4" Hg
1020 PU 15IA-6 0.5" Hg
PU 15IA-8 5" Hg
PU 15IA-7 3" Hg
1025 PU 15IA-9 2.5" Hg
1030 PU 15IA-10 5" Hg
1035 PU 15IA-5 6" Hg
PU 15IA-11 0.5" Hg
1040 PU 15IA-12 0" Hg
+ DUP 0" Hg
1045 PU 15IA-13 11" Hg
1055 PU 15IA-14 6.5" Hg
1100 PU 15IA-15 4" Hg
1105 PU 15IA-Ambient 7" Hg
→ Back to Bldg 2699
forgot ambient
1110 Set up 52IA-4 Ambient
28.5" Hg PID=0
1130 Back to Visitor Control to transfer remaining supplies
1200 Off site

4/28/2010 FTMM Air Sampling
0800 J. Kelly arrive @ Bldg 2567
0800 PU 34 IA-1 5" Hg
(FC 163)
0805 PU 34 IA-2 6" Hg
(FC 317)
0810 PU 34 IA-3 4" Hg
(FC 283)
0815 Leave Bldg 2567

0840 Arrive @ Bldg 1122
0845 Set-up 43 IA-1 28.5" Hg
ceramics shop PID=0.1
Contains cleaning supplies
- bleach
- wood cleaner (polyurethane)
- glass cleaner
- liquid drain cleaner
(sulfuric acid)
- Fast-n easy (ammonia)
- mayco re-pel (water repellent coating)
- mayco brush-on glaze
(paint)
- SS334 porcelain ceramic
sealer (ketones & acetates)

0855 431A-2 30" Hg
PID = 0.5 ppm
-old car parts
-anti-spatter 620 plus
(contains methylene chloride)
-wasp + hornet killer
(contains chlorpyrifos, d-trans Allethrin, Sodium nitrite)
-Penetrating oil type I
(contains petroleum distillate)
- Hypoyc gear oil
- Prestone super flush
-Capture soil release
In garage area average
PID reading of 0.6 ppm
strong odor
7 cans currently located
w/in garage

0910 431A-Ambient 30" Hg
PID = 0.0 ppm

0920 Arrive @ Bldg 699

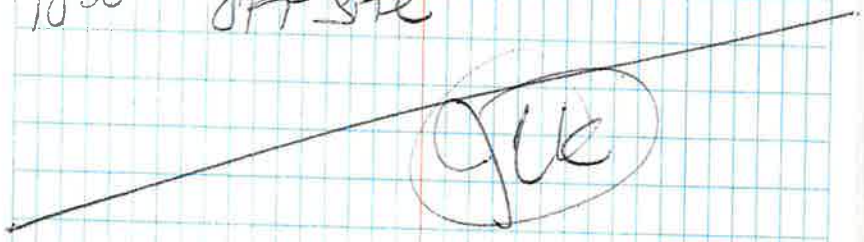
0930 PU ~~431A-1~~ 521A-1 8" Hg (521A-1)
(FC382)

0935 521A-2 PU 6" Hg
(FC335)

0940 PU 521A-3 4" Hg
(FC088)

1010 PU 521A-Ambient 5.5" Hg

1030 OFF site



4/27/2010 FTMM IA Sampling
0800 J. Kelly arrive @ Bldg 1122
0845 PU 431A-1 5" Hg
(FC331)
0855 PU 431A-2 4" Hg
(FC052)
0910 PU 431A-Ambient 1" Hg
(~~FC~~ FC442)

0930 Offsite



Shaw Environmental, Inc.
2113 Emmorton Park Road
Edgewood, Maryland
410-612-6350
FAX: 410-612-6351

Shaw® Shaw Environmental, Inc.

MEMORANDUM

TO: Mark Magness, Shaw E&I Fort Monmouth Project Manager

FROM: Eric Malarek, Fort Monmouth Project Chemist, Shaw E&I

SUBJECT: Fort Monmouth Data Validation – Volatiles in Air
Accutest Laboratoriers, Inc., SDG JA45062

DATE: May 27, 2010

The purpose of this memorandum is to present the data validation report for the samples collected at Fort Monmouth on April 24-25, 2010. The reported list for the TO-15 volatile organic compounds (VOCs) listed on the attached form 1s report of analysis. The methodology used was USEPA TO-15 GC/MS SIM. A total of twenty-seven air samples were validated. The sample IDs are:

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
50IA-1	JA45062-01	15IA-5	JA45062-15
50IA-2	JA45062-02	15IA-6	JA45062-16
50IA-3	JA45062-03	15IA-7	JA45062-17
50IA-4	JA45062-04	15IA-8	JA45062-18
50IA-5	JA45062-05	15IA-9	JA45062-19
50IA-6	JA45062-06	15IA-10	JA45062-20
50IA-7	JA45062-07	15IA-11	JA45062-21
50IA-8	JA45062-08	15IA-12	JA45062-22
50IA-9	JA45062-09	15IA-12DUP	JA45062-23
50IA-10-Ambient	JA45062-10	15IA-13	JA45062-24
15IA-1	JA45062-11	15IA-14	JA45062-25
15IA-2	JA45062-12	15IA-15	JA45062-26
15IA-3	JA45062-13	15IA-AMBIENT	JA45062-27
15IA-4	JA45062-14		

Data were reviewed by Eric Malarek and validated using a combination of method-specific criteria and Region II SOP *USEPA Hazardous Waste Support Branch Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15* (SOP HW-31; Rev 4; October 2006). The data qualifier scheme was consistent with the Region II SOP (SOP HW-31; Rev 4; October 2006). Parameters evaluated are presented in **Table 1**. Data associated with parameters in compliance with quality control specifications have not been qualified. Data associated with parameters that did not comply with quality control specifications and directly impacted project data have been qualified in accordance with USEPA Region II specifications.

Table 1 Laboratory Performance Criteria

Qualified		Parameter
Yes	No	
	X	Holding Times
	X	Instrument Performance Results
	X	Initial Calibration
	X	Continuing Calibration
	X	Blank Analysis
	X	System Monitoring Compounds
	X	Internal Standards
	X	Laboratory Control Sample (LCS) and LCS Duplicate
X		Laboratory Duplicate
	X	Field Duplicate
X		Quantitation Verification

The quality of data collected in support of this sampling activity is considered acceptable with noted qualifications.

Eric Malarek, Chemist

5/27/10
Date

FT MOMOUTH VALIDATION REPORT
VOLATILES REVIEW
SDG JA45062

I-Holding Times
The objective is to ascertain the validity of results based on the holding time of the sample from time of collection to time of analysis. For air samples, the maximum holding time is 30 days from sample collection to analysis using summa canisters (Method TO-15).

- The air samples were collected after 24 hour sampling duration on 04/25/10, received on 04/26/10, and analyzed on 05/03/10, 05/04/10, 05/05/10, and 05/06/10. All criteria were met. No qualifiers were applied.

II-Instrument Performance Check
The analysis of the instrument performance check solution must be performed at the beginning of each 12-hour period during which samples are analyzed and within method criteria.

- The instrument performance check, bromofluorobenzene (BFB), met the ion abundance criteria for all runs. No qualification was applied.

III-Initial Calibration
Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear calibration curve. The relative retention time range must be ±0.06 of the mean for all target compounds and the retention time range must be ±0.33 and area range ±40% for all internal standards. The minimum relative response factor (RRF) must be ≥0.05 (≥0.01 for 2-butanone, carbon disulfide, chloroethane, chloromethane, 1,2-dibromoethane, 1,2-dichloropropane, 1,4-dioxane, 1,2-dibromo-3-chloropropane, and methylene chloride). Percent relative standard deviation (%RSD) must be ≤30% for specified target compound list and must be ≤40% for each calibration check compound. Grossly exceeding values are considered >90%.

- For initial calibration performed on 04/05-06/10 on instrument MS2W, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

- For initial calibration performed on 04/30/10-05/01/10 on instrument MS2W, 2,2,4-trimethylpentane (%RSD=30.4%) and ethylbenzene (%RSD=30.5%) were outside criteria. All RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. A second set initial calibration standards was performed on 04/30/10-05/01/10 on instrument MS2W, and all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. The second calibration set was used for quantitation; therefore, no qualifiers were applied based upon these outliers. Samples 50IA-1 (JA45062-01), 50IA-2 (JA45062-02), 50IA-3 (JA45062-03), 50IA-4 (JA45062-04), 50IA-5 (JA45062-05), 50IA-6 (JA45062-06), 50IA-7 (JA45062-07), 50IA-8 (JA45062-08), 50IA-9 (JA45062-09), 50IA-10-Ambient (JA45062-10), 15IA-1 (JA45062-11), 15IA-2 (JA45062-12), 15IA-3 (JA45062-13), 15IA-4 (JA45062-14), 15IA-5 (JA45062-15), 15IA-6 (JA45062-16), 15IA-7 (JA45062-17), 15IA-8 (JA45062-18), 15IA-9 (JA45062-19), 15IA-10 (JA45062-20), 15IA-11 (JA45062-21), 15IA-12 (JA45062-22) 15IA-12DUP (JA45062-23), 15IA-13 (JA45062-24), 15IA-14 (JA45062-25), 15IA-15 (JA45062-26), and 15IA-AMBIENT (JA45062-27) were analyzed using this initial calibration.

- For initial calibration performed on 04/06-07/10 on instrument MS3W, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

- For initial calibration performed on 04/13/10 on instrument MSW, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

IV-Continuing Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Continuing calibration establishes the relative response factors on which the quantitations are based and checks satisfactory performance of the instrument on a day-to-day basis. The minimum relative response factor (RRF) must be ≥0.05 (≥0.01 for 2-butanone, carbon disulfide, chloroethane, chloromethane, 1,2-dibromoethane, 1,2-dichloropropane, 1,4-dioxane, 1,2-dibromo-3-chloropropane, and methylene chloride). The RRF percent difference (%D) must be within 30% for select target compounds. Grossly exceeding values are considered >90% D.

- For initial calibration verification performed on 04/05/10 @20:41 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this initial calibration verification.

- For continuing calibration performed on 04/15/10 @11:47 on instrument MS2W, hexachlorobutadiene (-56.3%) was outside criteria. For all other target compounds, all %Ds and RRFs were within criteria. No air samples reported were analyzed using this continuing calibration; therefore, no qualifiers were applied based upon this outlier.

- For initial calibration verification performed on 05/01/10 @04:32 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this initial calibration verification.

- For continuing calibration performed on 05/03/10 @09:28 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. Samples 50IA-1 (JA45062-01), 50IA-2 (JA45062-02), 50IA-6 (JA45062-06), 50IA-7 (JA45062-07), 50IA-8 (JA45062-08), 50IA-9 (JA45062-09), 15IA-1 (JA45062-11), and 15IA-2 (JA45062-12) were analyzed using this continuing calibration.

- For continuing calibration performed on 05/04/10 @10:34 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. Samples 50IA-3 (JA45062-03) and 15IA-12 (JA45062-22) were analyzed using this continuing calibration.

- For continuing calibration performed on 05/04/10 @10:34 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. Samples 50IA-4 (JA45062-04), 50IA-5 (JA45062-05), 50IA-10-Ambient (JA45062-10), 15IA-3 (JA45062-13), 15IA-10 (JA45062-14), 15IA-5 (JA45062-15), 15IA-6 (JA45062-16), 15IA-7 (JA45062-17), 15IA-8 (JA45062-18), 15IA-9 (JA45062-19), 15IA-10 (JA45062-20), 15IA-11 (JA45062-21) were analyzed using this continuing calibration.

- For continuing calibration performed on 05/04/10 @17:22 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 05/05/10 @12:40 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. Samples 15IA-12DUP (JA45062-23), 15IA-13 (JA45062-24), 15IA-14 (JA45062-25), 15IA-15 (JA45062-26), and 15IA-AMBIENT (JA45062-27) were analyzed using this continuing calibration.

- For initial calibration verification performed on 04/07/10 @10:52 on instrument MS3W, 1,2,4-trichlorobenzene (-37.6%) was outside criteria. For all other target compounds, all %Ds and RRFs were within criteria. No air samples reported were analyzed using this initial calibration verification; therefore, no qualifiers were applied based upon this outlier.

- For continuing calibration performed on 04/16/10 @07:36 on instrument MS3W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 04/19/10 @06:39 on instrument MS3W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For initial calibration verification performed on 04/13/10 @16:27 on instrument MSW, 1,2,4-trichlorobenzene (-36.1%) was outside criteria. For all other target compounds, all %Ds and RRFs were within criteria. No air samples reported were analyzed using this initial calibration verification; therefore, no qualifiers were applied based upon this outlier.

- For continuing calibration performed on 04/20/10 @08:10 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 04/21/10 @07:44 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

V-Blank Analysis

The purpose of blank analyses is to determine the presence and magnitude of contamination problems resulting from field and laboratory activities. A method blank analysis must be performed after the calibration standards and once every 24-hour time period beginning with the injection of BFB. No contaminants should be detected in any of the associated blanks > the MDL. With air samples, the blank sample is a clean air sample used to verify the instrument has no contamination (i.e. <RL). A field sample ambient background can be collected to compare outside air to indoor air samples. Positive sample results for the blank-related compounds are reported and qualified "U" at the concentration found in each sample, if the concentration of the compound in the sample is ≤5 times (5x) the maximum amount in any blank for the target laboratory contaminants per USEPA Region II guidance. If the sample concentration is greater than the 5x concentration or is non-detect in the sample, then no qualification is warranted.

- All canisters were certified clean prior to analysis (by batch) and certifications provided. **Table 2** summarizes the blank contamination analysis and **Table 3** presents the ambient background detections by area for comparison.

Table 2 Blank Contamination Analysis Summary

Analysis Date	QC Blank ID	Compound	Max Conc. µg/m^3	Action Level µg/m^3	U qualified samples (for this SDG)
05/03/10	V2W1140-MB	All target <RL	NA	NA	None
05/04/10	V2W1141-MB	All target <RL	NA	NA	None
05/05/10	V2W1143-MB	All target <RL	NA	NA	None
04/15/10	V2W1126-MB	All target <RL	NA	NA	None
04/16/10	V3W651-MB	All target <RL	NA	NA	None
04/19/10	V3W652-MB	All target <RL	NA	NA	None
04/20/10	VW1077-MB	All target <RL	NA	NA	None
04/21/10	VW1078-MB	All target <RL	NA	NA	None

RL = Reporting Limit
NA = Not Applicable

Table 3 Outdoor Ambient Sample Detection Summary

Analysis Date	Sample ID	Compound	Conc. µg/m^3
05/06/10	15IA-Ambient	Acetone	6.2
05/06/10	15IA-Ambient	Chloromethane	1.2
05/06/10	15IA-Ambient	Carbon Tetrachloride	0.82J
05/06/10	15IA-Ambient	Dichlorodifluoromethane	3.7
05/06/10	15IA-Ambient	Ethanol	2.6
05/06/10	15IA-Ambient	Ethyl Acetate	2.8
05/06/10	15IA-Ambient	Propylene	0.26J
05/06/10	15IA-Ambient	Trichlorofluoromethane	2.7
05/05/10	50IA-10 Ambient	Acetone	8.8
05/05/10	50IA-10 Ambient	Benzene	0.42J
05/05/10	50IA-10 Ambient	Chloromethane	1.3
05/05/10	50IA-10 Ambient	Carbon Tetrachloride	0.75J
05/05/10	50IA-10 Ambient	Dichlorodifluoromethane	3.5
05/05/10	50IA-10 Ambient	Ethanol	4.7
05/05/10	50IA-10 Ambient	Ethyl Acetate	2.4
05/05/10	50IA-10 Ambient	Hexane	0.56J
05/05/10	50IA-10 Ambient	Isopropyl Alcohol	0.93
05/05/10	50IA-10 Ambient	Methylene Chloride	1.2
05/05/10	50IA-10 Ambient	Methyl ethyl ketone	0.94
05/05/10	50IA-10 Ambient	Propylene	0.43J
05/05/10	50IA-10 Ambient	Tetrachlororthylene	0.88
05/05/10	50IA-10 Ambient	Toluene	3.7
05/05/10	50IA-10 Ambient	Trichloroethylene	0.20 J
05/05/10	50IA-10 Ambient	Trichlorofluoromethane	4.9
05/05/10	50IA-10 Ambient	m,p-Xylenes	0.48 J
05/05/10	50IA-10 Ambient	Xylenes (total)	0.48 J

J = Value detected as estimated <RL and >MDL.
MDL = Method Detection Limit
RL = Reporting Limit
NA = Not Applicable

VI-System Monitoring Compounds (Surrogates)

Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. Recoveries for system monitoring compounds in volatile samples and blanks must be within the specified control limits.

Criteria: 4-Bromofluorobenzene (65-128%)

- All criteria were met. No qualifiers were applied.

VII-Internal Standards (IS)
Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run for all samples run. Specific criteria include: area counts (-40% to +40%) of the associated calibration standards, and retention time (±0.33 minutes) from that of the associated calibration standards.

- All criteria were met for all runs and calibrations. No qualifiers were applied.

VIII-Laboratory Control Samples (LCS) and LCS Duplicate
The laboratory control sample (LCS) (a.k.a blank spike) serves as a precision and accuracy monitor of the overall performance of each step during the analysis, including the sample preparation. All LCS results must fall within the control limits of 70-130%; RPD=30%.

- Samples V2W1140-BS and V2W1140-BSD were used as the LCS and LCSD for the 05/03/10 run. All criteria were met. No qualifiers were applied. Samples 50IA-1 (JA45062-01), 50IA-2 (JA45062-02), 50IA-6 (JA45062-06), 50IA-7 (JA45062-07), 50IA-8 (JA45062-08), 50IA-9 (JA45062-09), 15IA-1 (JA45062-11), and 15IA-2 (JA45062-12) apply to this LCS/LCSD.

- Samples V2W1141-BS and V2W1141-BSD were used as the LCS and LCSD for the 05/04/10 run. All criteria were met. No qualifiers were applied. Samples 50IA-3 (JA45062-03), 50IA-4 (JA45062-04), 50IA-5 (JA45062-05), 50IA-10-Ambient (JA45062-10), 15IA-3 (JA45062-13), 15IA-4 (JA45062-14), 15IA-5 (JA45062-15), 15IA-6 (JA45062-16), 15IA-7 (JA45062-17), 15IA-8 (JA45062-18), 15IA-9 (JA45062-19), 15IA-10 (JA45062-20), 15IA-11 (JA45062-21), and 15IA-12 (JA45062-22) apply to this LCS/LCSD.

- Samples V2W1143-BS and V2W1143-BSD were used as the LCS and LCSD for the 05/05/10 run. All criteria were met. No qualifiers were applied. Samples 15IA-12DUP (JA45062-23), 15IA-13 (JA45062-24), 15IA-14 (JA45062-25), 15IA-15 (JA45062-26), and 15IA-AMBIENT (JA45062-27) apply to this LCS/LCSD.

- Samples V2W1140-BS and V2W1140-BSD were used as the LCS and LCSD for the 05/03/10 run. All criteria were met. No qualifiers were applied. Samples 50IA-1 (JA45062-01), 50IA-2 (JA45062-02), 50IA-6 (JA45062-06), 50IA-7 (JA45062-07), 50IA-8 (JA45062-08), 50IA-9 (JA45062-09), 15IA-1 (JA45062-11), and 15IA-2 (JA45062-12) apply to this LCS/LCSD.

- Samples V2W1126-BS and V2W1126-BSD were used as the LCS and LCSD for the 04/15/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples V3W651-BS and V3W651-BSD were used as the LCS and LCSD for the 04/16/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples V3W652-BS and V3W652-BSD were used as the LCS and LCSD for the 04/19/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples VW1077-BS and VW1077-BSD were used as the LCS and LCSD for the 04/20/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples VW1078-BS and VW1078-BSD were used as the LCS and LCSD for the 04/21/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

IX-Laboratory Duplicate Sample Analysis
Duplicate sample determinations are used to demonstrate acceptable method precision by the laboratory at the time of analysis. Duplicate analyses are performed to generate data in order to determine the long-term precision of the analytical method on various matrices. RPDs must be within established control limits. Precision control criterion was established using lab generated control limits for the air samples. Analytical results were qualified as estimated (J) for any RPDs exceeding criteria.

- Sample 50IA-1 (JA45062-01) was used as the laboratory duplicate for the 05/03/10 run. All criteria were met. No qualifiers were applied. Samples 50IA-1 (JA45062-01), 50IA-2 (JA45062-02), 50IA-6 (JA45062-06), 50IA-7 (JA45062-07), 50IA-8 (JA45062-08), 50IA-9 (JA45062-09), 15IA-1 (JA45062-11), and 15IA-2 (JA45062-12) apply to this laboratory duplicate.

- Sample 15IA-3 (JA45062-13) was used as the laboratory duplicate for the 05/04/10 run. Cyclohexane (RPD=13%), ethylbenzene (RPD=17%), and 1;2,4-trimethylbenzene (RPD=22%) were above criteria. The high RPDs are resultant from the low concentrations detected for cyclohexane, ethylbenzene, and 1,2,4-trimethylbenzene in the duplicate pair (i.e. <RL and >MDL). For all other target compounds, all criteria were met. Cyclohexane, ethylbenzene, and 1,2,4-trimethylbenzene were qualified estimated "J" for the duplicate sample 15IA-3 (JA45062-13) based upon these outliers. Samples 50IA-3 (JA45062-03), 50IA-4 (JA45062-04), 50IA-5 (JA45062-05), 50IA-10-Ambient (JA45062-10), 15IA-3 (JA45062-13), 15IA-4 (JA45062-14), 15IA-5 (JA45062-15), 15IA-6 (JA45062-16), 15IA-7 (JA45062-17), 15IA-8 (JA45062-18), 15IA-9 (JA45062-19), 15IA-10 (JA45062-20), 15IA-11 (JA45062-21), and 15IA-12 (JA45062-22) apply to this laboratory duplicate.

- Sample JA45065-05 was used as the laboratory duplicate for the 05/05/10 run. The duplicated sample was not a Ft Monmouth site sample; therefore, was not evaluated. Samples 15IA-12DUP (JA45062-23), 15IA-13 (JA45062-24), 15IA-14 (JA45062-25), 15IA-15 (JA45062-26), and 15IA-AMBIENT (JA45062-27) apply to this laboratory duplicate.

X-Field Duplicate Sample Analysis
Field duplicates were collected to identify the cumulative precision of the sampling and analytical process and sent to the laboratory blind. The RPD was calculated only for those analytes which were detected at levels exceeding the method reporting limits in both samples of the duplicate pair. Analytes that were qualified because of blank contamination (U-qualified) or that were rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. The %RPDs are provided for the air samples for comparison reasons.

- Field air sample duplicate pair 15IA-12 (JA45062-22) and 15IA-12DUP (JA45062-23) was collected for TO-15 VOCs. All detected compounds found in the sample and its duplicate pair and associated %RPDs are noted in **Table 4**. All other compounds were non-detect. According to the field logs and chain of custody, both samples for the duplicate pair timed out with a pressure of 0.0 "Hg for the final canister pressure. Both canisters had an initial pressure of 30 "Hg. It is unknown at what times the air intake stopped for each canister during the 24 hour period for both; therefore, may be a causation of the high RPDs.

Table 4 Field Precision Hits Analysis Summary for VOCs for Duplicate Pair 15IA-12 and 15IA-12DUP

Compound	Original Sample ($\mu g/m^3$)	Duplicate Pair ($\mu g/m^3$)	%RPD
Acetone	11	13	16.7
Benzene	0.54 J	1.0	59.7
Carbon disulfide	0.59 J	<0.11	NA
Carbon tetrachloride	0.82 J	0.94 J	13.6
Chloroform	3.0	3.5	15.4
Chloromethane	1.3	1.3	0.0
1,4-Dichlorobenzene	<0.19	0.90 J	NA
Dichlorodifluoromethane	4.0	4.4	9.5
cis-1,2-Dichloroethylene	<0.11	13	NA
trans-1,2-Dichloroethylene	<0.14	1.1	NA
1,2-Dichloroethene (total) [a]	<0.14	14.1	NA
Dichloromethane	0.76	0.76	0.0
Ethanol	21.7	24.9	13.7
Ethyl Acetate	12	4.7	87.4
Ethylbenzene	0.65 J	0.83 J	24.3
n-Heptane	<0.11	0.61 J	NA
n-Hexane	0.95	1.1	14.6
Isopropyl Alcohol	5.2	8.4	47.1
Methyl ethyl ketone	2.4	2.6	8.0
Propylene	0.81 J	0.91	11.6
Tetrachloroethylene	2.2	42	180.1
Tetrahydrofuran	2.9	3.2	9.8
Toluene	2.6	3.0	14.3
Trichloroethylene	0.28	31	196.4
Trichlorofluoromethane	4.3	5.2	18.9
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 J	1.0 J	0.0
Xylenes (m&p)	2.0	2.4	18.2
o-Xylene	0.52 J	0.56 J	7.4
Xylenes (total)	2.5	3.0	18.2

J = Value detected as estimated <RL and >MDL.
NA = Not Applicable

XI-Quantitation Verification

The accuracy of analytical results is verified through the calculation of several parameters. The percent difference (%D) between the calculated and the reported values should be within 10%.

- Any compound detected less than the reporting limit (RL) and greater than the method detection limit (MDL) was qualified as estimated "J".
- For sample 15IA-10 (JA45062-20), ethanol exceeded calibration range with no further dilutions. Ethanol was qualified estimated "J" based upon this outlier.
- For samples 15IA-12 (JA45062-22) and 15IA-12DUP (JA45062-23), the samples timed out with a final pressure of 0.0 "Hg. Both canisters had an initial pressure of 30 "Hg. The sample duration is assumed therefore to be less than 24 hours and may cause bias low results.

Sample: 15IA-11 (JA45062-21), Trichloroethylene

Conc. (ppbv) = (Ax)*(Is) *(DF)/(Ais)*(RRF)

where: Ax is the compound area
Ais is the corresponding internal standard area
Is is the corresponding internal standard concentration (ppbv)
DF is the dilution factor
RRF is the relative response factor

Conc. ppbv = (49320 * 10 ppbv * 1) / (1428869 * 0.403) = 0.85649 ppbv = 4.6 $\mu g/m^3$

Reported Conc. = 4.6 $\mu g/m^3$
%D = 0.0%
Values were within 10% difference.

Laboratory and Data Validation Qualifiers

Qualifier	Definition
Laboratory Qualifiers[1]	
No Code	Confirmed identification.
U	Undetected at the limit of detection: The associated data value is the limit of detection, adjusted by any dilution factor used in the analysis.
J	Estimated: The analyte was positively identified; the quantitation is estimation.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
E	Indicates value exceeded calibration range.
P	Target analyte confirmation >40% RPD for detected compound between the primary and secondary columns.
N	Non-target analyte: The analyte is a tentatively identified compound (using mass spectroscopy).
Q	One or more quality control criteria failed.
USEPA Region II Data Validation Qualifiers[2]	
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meeting the quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

[1]The noted laboratory qualifiers are a minimum. If a laboratory has more and they are consistent with USEPA conventions and properly defined, the laboratory may use them. Data qualifiers may be combined when appropriate.
[2]The USEPA data validation qualifiers are referenced from *Region II SOP USEPA Hazardous Waste Support Branch Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (SOP HW-31; Rev 4; October 2006).*

Raw Data: 2W27064.D

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	50IA-1		
Lab Sample ID:	JA45062-1	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A905	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27064.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.6	0.20	0.039	ppbv		8.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.021	ppbv		0.64	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.74	0.20	0.024	ppbv		3.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-1		
Lab Sample ID:	JA45062-1	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A905	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.1	0.50	0.077	ppbv		5.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	13.9	0.20	0.051	ppbv		50.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.019	ppbv	J	0.42 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.69	0.20	0.035	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.025	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.23	0.50	0.061	ppbv	J	0.40 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.53	0.20	0.018	ppbv		2.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.19	0.040	0.019	ppbv		1.0	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27084.D

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Report of Analysis

Client Sample ID:	50IA-2		
Lab Sample ID:	JA45062-2	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A465	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27084.D	1	05/04/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.5	0.20	0.039	ppbv		8.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.12	0.20	0.034	ppbv	J	0.37 J	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.70	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.77	0.20	0.024	ppbv		3.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-2		
Lab Sample ID:	JA45062-2	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A465	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.6	0.50	0.077	ppbv		6.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.53	0.20	0.035	ppbv		1.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.32	0.20	0.039	ppbv		0.94	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.26	0.50	0.061	ppbv	J	0.45 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.059	0.040	0.021	ppbv		0.40	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.43	0.20	0.018	ppbv		1.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.59	0.20	0.021	ppbv		3.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27091.D

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Report of Analysis

Client Sample ID:	50IA-3		
Lab Sample ID:	JA45062-3	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A903	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27091.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.2	0.20	0.039	ppbv		7.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.021	ppbv	J	0.48 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.15	0.20	0.022	ppbv	J	0.94 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.69	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-3		
Lab Sample ID:	JA45062-3	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A903	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.7	0.50	0.077	ppbv		5.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	16.1	0.20	0.051	ppbv		57.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.20	0.035	ppbv		3.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.025	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.53	0.20	0.039	ppbv		1.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.045	ppbv	J	0.49 J	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.17	0.20	0.065	ppbv	J	1.3 J	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.055	0.040	0.021	ppbv		0.37	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.30	0.20	0.018	ppbv		1.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.069	0.040	0.019	ppbv		0.37	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.12	0.20	0.045	ppbv	J	0.52 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.12	0.20	0.023	ppbv	J	0.52 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27092.D

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Report of Analysis

Client Sample ID:	50IA-4		
Lab Sample ID:	JA45062-4	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A882	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27092.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.23	0.20	0.028	ppbv		1.1	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.55	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.67	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.44	0.20	0.028	ppbv		1.7	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-4		
Lab Sample ID:	JA45062-4	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A882	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	20.2	0.50	0.077	ppbv		38.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.24	0.20	0.019	ppbv		0.85	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.63	0.20	0.039	ppbv		1.9	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.58	0.50	0.061	ppbv		1.0	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.16	0.20	0.025	ppbv	J	0.87 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.063	0.040	0.021	ppbv		0.43	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.68	0.20	0.018	ppbv		2.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.045	0.040	0.019	ppbv		0.24	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.72	0.20	0.021	ppbv		4.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27093.D

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Report of Analysis

Client Sample ID:	50IA-5		
Lab Sample ID:	JA45062-5	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A227	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27093.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.7	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.21	0.20	0.028	ppbv		1.0	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.55	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-5		
Lab Sample ID:	JA45062-5	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A227	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	18.5	0.50	0.077	ppbv		34.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.026	ppbv	J	0.41 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.019	ppbv	J	0.56 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.8	0.20	0.035	ppbv		9.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.33	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.41	0.20	0.039	ppbv		1.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.48	0.50	0.061	ppbv	J	0.82 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.19	0.20	0.025	ppbv	J	1.0 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.053	0.20	0.020	ppbv	J	0.25 J	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.045	0.040	0.021	ppbv		0.31	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.52	0.20	0.018	ppbv		2.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.84	0.20	0.021	ppbv		4.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.045	ppbv	J	0.61 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.023	ppbv	J	0.61 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27070.D

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Report of Analysis

Client Sample ID:	50IA-6		
Lab Sample ID:	JA45062-6	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A313	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27070.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.8	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.16	0.20	0.028	ppbv	J	0.78 J	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.63	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-6		
Lab Sample ID:	JA45062-6	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A313	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	15.2	0.50	0.077	ppbv		28.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.026	ppbv	J	0.41 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.6	0.20	0.035	ppbv		6.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.44	0.50	0.061	ppbv	J	0.76 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.13	0.20	0.025	ppbv	J	0.71 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.036	0.040	0.021	ppbv	J	0.24 J	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.57	0.20	0.018	ppbv		2.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.20	0.021	ppbv		6.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27071.D

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Report of Analysis

Client Sample ID:	50IA-7		
Lab Sample ID:	JA45062-7	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A865	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27071.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.11	0.20	0.028	ppbv	J	0.54 J	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.7

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Client Sample ID:	50IA-7		
Lab Sample ID:	JA45062-7	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A865	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	15.6	0.50	0.077	ppbv		29.4	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.2	0.20	0.051	ppbv		7.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.096	0.20	0.022	ppbv	J	0.74 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.035	ppbv		5.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.40	0.50	0.061	ppbv	J	0.69 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.021	ppbv	J	0.54 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.89	0.20	0.018	ppbv		3.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.20	0.040	0.019	ppbv		1.1	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.0	0.20	0.021	ppbv		11	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.045	ppbv		0.96	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.023	ppbv		0.96	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27072.D

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Report of Analysis

3.8
3

Client Sample ID:	50IA-8		
Lab Sample ID:	JA45062-8	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A886	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27072.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.5	0.20	0.039	ppbv		5.9	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.17	0.20	0.034	ppbv	J	0.53 J	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.62	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Accutest Laboratories

Report of Analysis

Client Sample ID:	50IA-8		
Lab Sample ID:	JA45062-8	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A886	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.2	0.50	0.077	ppbv		4.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	4.3	0.20	0.051	ppbv		15	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.18	0.50	0.061	ppbv	J	0.31 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.021	ppbv	J	0.69 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.62	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.069	0.040	0.019	ppbv		0.37	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.43	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27073.D

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Report of Analysis

Client Sample ID:	50IA-9		
Lab Sample ID:	JA45062-9	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A356	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27073.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.9	0.20	0.039	ppbv		14	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.028	ppbv	J	0.59 J	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.67	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-9		
Lab Sample ID:	JA45062-9	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A356	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	19.0	0.50	0.077	ppbv		35.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.21	0.20	0.019	ppbv		0.74	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.9	0.20	0.035	ppbv		7.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.50	0.20	0.025	ppbv		1.7	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.021	ppbv	J	0.69 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.12	0.20	0.023	ppbv	J	0.36 J	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.1	0.040	0.021	ppbv		7.5	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.6	0.20	0.018	ppbv		6.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.15	0.040	0.019	ppbv		0.81	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.3	0.20	0.021	ppbv		13	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.35	0.20	0.046	ppbv		1.2	0.70	ug/m3
	106.2	m,p-Xylene	0.24	0.20	0.045	ppbv		1.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.24	0.20	0.023	ppbv		1.0	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27101.D

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Report of Analysis

Client Sample ID:	50IA-10 AMBIENT		
Lab Sample ID:	JA45062-10	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A769	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27101.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.7	0.20	0.039	ppbv		8.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	50IA-10 AMBIENT		
Lab Sample ID:	JA45062-10	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A769	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.5	0.50	0.077	ppbv		4.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.68	0.20	0.051	ppbv		2.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.019	ppbv	J	0.56 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.38	0.20	0.035	ppbv		0.93	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.32	0.20	0.039	ppbv		0.94	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.25	0.50	0.061	ppbv	J	0.43 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.13	0.040	0.021	ppbv		0.88	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.97	0.20	0.018	ppbv		3.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.038	0.040	0.019	ppbv	J	0.20 J	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.88	0.20	0.021	ppbv		4.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.045	ppbv	J	0.48 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.023	ppbv	J	0.48 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27075.D

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Report of Analysis

Client Sample ID:	15IA-1		
Lab Sample ID:	JA45062-11	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A847	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27075.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.1	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.1	0.20	0.021	ppbv		3.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.49	0.20	0.061	ppbv		1.7	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.66	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-1		
Lab Sample ID:	JA45062-11	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A847	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	16.8	0.50	0.077	ppbv		31.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.019	ppbv		1.0	0.87	ug/m3
141-78-6	88	Ethyl Acetate	3.0	0.20	0.051	ppbv		11	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.69	0.20	0.026	ppbv		2.8	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.4	0.20	0.019	ppbv		4.9	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.5	0.20	0.035	ppbv		3.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.53	0.50	0.061	ppbv		0.91	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.30	0.20	0.021	ppbv		1.5	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.10	0.20	0.026	ppbv	J	0.49 J	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.27	0.20	0.020	ppbv		1.3	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.085	0.040	0.021	ppbv		0.58	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.6	0.20	0.018	ppbv		6.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.051	0.040	0.019	ppbv		0.27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.76	0.20	0.021	ppbv		4.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.90	0.20	0.045	ppbv		3.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.25	0.20	0.023	ppbv		1.1	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.023	ppbv		4.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27076.D

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Report of Analysis

Client Sample ID:	15IA-2		
Lab Sample ID:	JA45062-12	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A343	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27076.D	1	05/04/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.4	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.1	0.20	0.021	ppbv		3.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.51	0.20	0.061	ppbv		1.8	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.59	0.20	0.024	ppbv		2.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-2		
Lab Sample ID:	JA45062-12	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A343	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	16.2	0.50	0.077	ppbv		30.5	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.25	0.20	0.019	ppbv		1.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.051	ppbv		4.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.043	ppbv	J	0.54 J	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.76	0.20	0.026	ppbv		3.1	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.5	0.20	0.019	ppbv		5.3	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.20	0.035	ppbv		3.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.40	0.50	0.061	ppbv	J	0.69 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.40	0.20	0.021	ppbv		2.0	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.11	0.20	0.026	ppbv	J	0.54 J	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.29	0.20	0.020	ppbv		1.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.095	0.040	0.021	ppbv		0.64	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.5	0.20	0.018	ppbv		5.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.053	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.65	0.20	0.021	ppbv		3.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.045	ppbv		4.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.29	0.20	0.023	ppbv		1.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.023	ppbv		5.6	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-3		
Lab Sample ID:	JA45062-13	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A844	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27094.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.039	ppbv		9.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.40	0.20	0.021	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.17	0.20	0.061	ppbv	J	0.59 J	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.69	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-3		
Lab Sample ID:	JA45062-13	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A844	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	10.6	0.50	0.077	ppbv		20.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.20	0.019	ppbv	J	0.56 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.051	ppbv		6.1	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.22	0.20	0.026	ppbv		0.90	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.50	0.20	0.019	ppbv		1.8	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.2	0.20	0.035	ppbv		5.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.025	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.35	0.20	0.039	ppbv		1.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.39	0.50	0.061	ppbv	J	0.67 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.021	ppbv	J	0.74 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.040	0.021	ppbv		0.75	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.71	0.20	0.018	ppbv		2.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.052	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.87	0.20	0.021	ppbv		4.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.43	0.20	0.045	ppbv		1.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.023	ppbv	J	0.56 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.56	0.20	0.023	ppbv		2.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-4		
Lab Sample ID:	JA45062-14	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A166	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27096.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.1	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.44	0.20	0.021	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.20	0.022	ppbv	J	0.88	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.19	0.20	0.061	ppbv	J	0.65	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.80	0.20	0.024	ppbv		4.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-4		
Lab Sample ID:	JA45062-14	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A166	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	10.6	0.50	0.077	ppbv		20.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.18	0.20	0.019	ppbv	J	0.78 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.051	ppbv		5.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.25	0.20	0.026	ppbv		1.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.58	0.20	0.019	ppbv		2.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.3	0.20	0.035	ppbv		5.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.20	0.025	ppbv		1.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.018	ppbv	J	0.47 J	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.021	ppbv	J	0.74 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.020	ppbv	J	0.51 J	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.14	0.040	0.021	ppbv		0.95	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.3	0.20	0.018	ppbv		4.9	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.042	0.040	0.019	ppbv		0.23	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.20	0.021	ppbv		6.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.61	0.20	0.045	ppbv		2.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.023	ppbv	J	0.74 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.79	0.20	0.023	ppbv		3.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27097.D

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Report of Analysis

Client Sample ID:	15IA-5		
Lab Sample ID:	JA45062-15	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A659	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27097.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.039	ppbv		9.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Accutest Laboratories

Report of Analysis

Client Sample ID:	15IA-5		
Lab Sample ID:	JA45062-15	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A659	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.2	0.50	0.077	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.051	ppbv		4.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.2	0.20	0.035	ppbv		5.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.33	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.33	0.20	0.039	ppbv		0.97	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.36	0.50	0.061	ppbv	J	0.62	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.46	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.050	0.040	0.019	ppbv		0.27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.82	0.20	0.021	ppbv		4.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.20	0.20	0.045	ppbv		0.87	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.20	0.20	0.023	ppbv		0.87	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27098.D

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Accutest Laboratories

Report of Analysis

Client Sample ID:	15IA-6		
Lab Sample ID:	JA45062-16	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A194	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27098.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.4	0.20	0.039	ppbv		5.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.61	0.20	0.024	ppbv		3.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-6		
Lab Sample ID:	JA45062-16	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A194	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.0	0.50	0.077	ppbv		3.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.051	ppbv		4.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.019	ppbv	J	0.42 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.36	0.50	0.061	ppbv	J	0.62 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.040	0.021	ppbv		1.3	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.41	0.20	0.018	ppbv		1.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.45	0.20	0.021	ppbv		2.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.10	0.20	0.045	ppbv	J	0.43 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.10	0.20	0.023	ppbv	J	0.43 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27099.D

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Report of Analysis

Client Sample ID:	15IA-7		
Lab Sample ID:	JA45062-17	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A857	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27099.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.3	0.20	0.039	ppbv		17	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.021	ppbv	J	0.38 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Accutest Laboratories

Report of Analysis

Client Sample ID:	15IA-7		
Lab Sample ID:	JA45062-17	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A857	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	5.8	0.50	0.077	ppbv		11	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	17.3	0.20	0.051	ppbv		62.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.098	0.20	0.022	ppbv	J	0.75 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.20	0.039	ppbv		4.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.045	ppbv	J	0.49 J	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.29	0.50	0.061	ppbv	J	0.50 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.021	ppbv	J	0.54 J	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.14	0.20	0.023	ppbv	J	0.42 J	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.21	0.040	0.021	ppbv		1.4	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.36	0.20	0.018	ppbv		1.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.41	0.20	0.021	ppbv		2.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.15	0.20	0.045	ppbv	J	0.65 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.15	0.20	0.023	ppbv	J	0.65 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-8		
Lab Sample ID:	JA45062-18	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A855	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27100.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.3	0.20	0.039	ppbv		7.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.021	ppbv	J	0.35 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.63	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-8		
Lab Sample ID:	JA45062-18	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A855	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.2	0.50	0.077	ppbv		6.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.65	0.20	0.051	ppbv		2.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.25	0.20	0.019	ppbv		0.88	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.68	0.20	0.035	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.89	0.20	0.025	ppbv		3.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.039	ppbv		0.71	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.22	0.50	0.061	ppbv	J	0.38 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.25	0.040	0.021	ppbv		1.7	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.045	0.040	0.019	ppbv		0.24	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.72	0.20	0.021	ppbv		4.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27102.D

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Report of Analysis

Client Sample ID:	15IA-9		
Lab Sample ID:	JA45062-19	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A374	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27102.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.6	0.20	0.039	ppbv		8.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-9		
Lab Sample ID:	JA45062-19	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A374	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.0	0.50	0.077	ppbv		3.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.019	ppbv	J	0.61 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.50	0.20	0.051	ppbv		1.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.098	0.20	0.022	ppbv	J	0.75 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.097	0.20	0.019	ppbv	J	0.34 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.34	0.20	0.035	ppbv		0.84	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.039	ppbv		0.71	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.24	0.50	0.061	ppbv	J	0.41 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.26	0.20	0.018	ppbv		0.98	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.53	0.20	0.021	ppbv		3.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.42	0.20	0.045	ppbv		1.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.54	0.20	0.023	ppbv		2.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27103.D

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Report of Analysis

Client Sample ID:	15IA-10		
Lab Sample ID:	JA45062-20	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A463	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27103.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.3	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.4	0.20	0.024	ppbv		6.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.20

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Client Sample ID:	15IA-10		
Lab Sample ID:	JA45062-20	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A463	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	67.6	0.50	0.077	ppbv	E	127 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	5.5	0.20	0.051	ppbv		20	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.1	0.20	0.035	ppbv		10	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.30	0.50	0.061	ppbv	J	0.52 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.040	0.021	ppbv		0.75	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.26	0.20	0.018	ppbv		0.98	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.083	0.040	0.019	ppbv		0.45	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.39	0.20	0.046	ppbv		1.4	0.70	ug/m3
	106.2	m,p-Xylene	0.10	0.20	0.045	ppbv	J	0.43 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.10	0.20	0.023	ppbv	J	0.43 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27104.D

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Report of Analysis

Client Sample ID:	15IA-11		
Lab Sample ID:	JA45062-21	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A898	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27104.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.4	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.028	ppbv	J	0.83 J	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.20	0.022	ppbv	J	0.88 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.83	0.20	0.024	ppbv		4.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.47	0.20	0.028	ppbv		1.9	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.21

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Client Sample ID:	15IA-11		
Lab Sample ID:	JA45062-21	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A898	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.0	0.50	0.077	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.099	0.20	0.019	ppbv	J	0.43 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.9	0.20	0.051	ppbv		10	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.019	ppbv	J	0.63 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.0	0.20	0.035	ppbv		4.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.025	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.47	0.20	0.039	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.39	0.50	0.061	ppbv	J	0.67 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.040	0.021	ppbv		6.8	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.23	0.20	0.032	ppbv		0.68	0.59	ug/m3
108-88-3	92.14	Toluene	0.45	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.86	0.040	0.019	ppbv		4.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.68	0.20	0.021	ppbv		3.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.31	0.20	0.045	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.31	0.20	0.023	ppbv		1.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27105.D

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Report of Analysis

Client Sample ID:	15IA-12		
Lab Sample ID:	JA45062-22	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A832	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27105.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.6	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.19	0.20	0.034	ppbv	J	0.59 J	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.62	0.20	0.028	ppbv		3.0	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.80	0.20	0.024	ppbv		4.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.22

3

Client Sample ID:	15IA-12		
Lab Sample ID:	JA45062-22	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A832	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	11.5	0.50	0.077	ppbv		21.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.15	0.20	0.019	ppbv	J	0.65 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	3.2	0.20	0.051	ppbv		12	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.27	0.20	0.019	ppbv		0.95	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.1	0.20	0.035	ppbv		5.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.82	0.20	0.039	ppbv		2.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.47	0.50	0.061	ppbv	J	0.81 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.33	0.040	0.021	ppbv		2.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.98	0.20	0.032	ppbv		2.9	0.59	ug/m3
108-88-3	92.14	Toluene	0.70	0.20	0.018	ppbv		2.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.053	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.76	0.20	0.021	ppbv		4.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.45	0.20	0.045	ppbv		2.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.57	0.20	0.023	ppbv		2.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27123.D

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Report of Analysis

Client Sample ID:	15IA-12DUP		
Lab Sample ID:	JA45062-23	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A877	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27123.D	1	05/05/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.6	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.32	0.20	0.021	ppbv		1.0	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.71	0.20	0.028	ppbv		3.5	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.15	0.20	0.022	ppbv	J	0.94 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.88	0.20	0.024	ppbv		4.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.27	0.20	0.035	ppbv		1.1	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	3.4	0.20	0.028	ppbv		13	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.15	0.20	0.032	ppbv	J	0.90 J	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-12DUP		
Lab Sample ID:	JA45062-23	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A877	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	13.2	0.50	0.077	ppbv		24.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.019	ppbv	J	0.83 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.051	ppbv		4.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.15	0.20	0.026	ppbv	J	0.61 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.30	0.20	0.019	ppbv		1.1	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.4	0.20	0.035	ppbv		8.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.87	0.20	0.039	ppbv		2.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.53	0.50	0.061	ppbv		0.91	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	6.2	0.040	0.021	ppbv		42	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.1	0.20	0.032	ppbv		3.2	0.59	ug/m3
108-88-3	92.14	Toluene	0.80	0.20	0.018	ppbv		3.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	5.8	0.040	0.019	ppbv		31	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.93	0.20	0.021	ppbv		5.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.55	0.20	0.045	ppbv		2.4	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.023	ppbv	J	0.56 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.68	0.20	0.023	ppbv		3.0	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27124.D

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Report of Analysis

Client Sample ID:	15IA-13		
Lab Sample ID:	JA45062-24	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A853	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27124.D	1.48	05/05/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	592 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.2	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.021	ppbv	J	0.38 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.047	ppbv		0.99	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.85	0.20	0.024	ppbv		4.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-13		
Lab Sample ID:	JA45062-24	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A853	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.3	0.50	0.077	ppbv		18	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.019	ppbv	J	0.83 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.051	ppbv		6.1	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.15	0.20	0.019	ppbv	J	0.53 J	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.025	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.27	0.50	0.061	ppbv	J	0.46 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.23	0.20	0.025	ppbv		1.3	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.22	0.20	0.032	ppbv		0.65	0.59	ug/m3
108-88-3	92.14	Toluene	0.49	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.86	0.20	0.021	ppbv		4.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.45	0.20	0.045	ppbv		2.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52 J	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.56	0.20	0.023	ppbv		2.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27125.D

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Report of Analysis

Client Sample ID:	15IA-14		
Lab Sample ID:	JA45062-25	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A238	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27125.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.9	0.20	0.039	ppbv		9.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.021	ppbv	J	0.35 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.93	0.20	0.024	ppbv		4.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-14		
Lab Sample ID:	JA45062-25	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A238	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	5.2	0.50	0.077	ppbv		9.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.20	0.019	ppbv	J	0.56 J	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.93	0.20	0.051	ppbv		3.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.95	0.20	0.035	ppbv		2.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.025	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.91	0.20	0.039	ppbv		2.7	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.20	0.50	0.061	ppbv	J	0.34 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.12	0.20	0.023	ppbv	J	0.36 J	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.068	0.040	0.021	ppbv		0.46	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.32	0.20	0.018	ppbv		1.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.30	0.040	0.019	ppbv		1.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.68	0.20	0.021	ppbv		3.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.34	0.20	0.045	ppbv		1.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.34	0.20	0.023	ppbv		1.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27126.D

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Report of Analysis

Client Sample ID:	15IA-15		
Lab Sample ID:	JA45062-26	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A848	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27126.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.0	0.20	0.039	ppbv		17	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.75	0.20	0.047	ppbv		1.5	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.18	0.20	0.022	ppbv	J	1.1 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.93	0.20	0.024	ppbv		4.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	15IA-15		
Lab Sample ID:	JA45062-26	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A848	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.7	0.50	0.077	ppbv		5.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	32.9	0.20	0.051	ppbv		118	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92 J	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.85	0.20	0.035	ppbv		2.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.53	0.20	0.039	ppbv		1.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.21	0.50	0.061	ppbv	J	0.36 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.043	0.040	0.021	ppbv		0.29	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.018	ppbv		0.75	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.66	0.20	0.021	ppbv		3.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.76	0.20	0.046	ppbv		2.7	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2W27127.D

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	15IA-AMBIENT		
Lab Sample ID:	JA45062-27	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A828	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27127.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.039	ppbv		6.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82 J	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.75	0.20	0.024	ppbv		3.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	15IA-AMBIENT		
Lab Sample ID:	JA45062-27	Date Sampled:	04/25/10
Matrix:	AIR - Air Summa ID: A828	Date Received:	04/26/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.4	0.50	0.077	ppbv		2.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.77	0.20	0.051	ppbv		2.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.15	0.50	0.061	ppbv	J	0.26 J	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.48	0.20	0.021	ppbv		2.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shaw Environmental, Inc.
2113 Emmorton Park Road
Edgewood, Maryland
410-612-6350
FAX: 410-612-6351

Shaw® Shaw Environmental, Inc.

MEMORANDUM

TO: Mark Magness, Shaw E&I Fort Monmouth Project Manager

FROM: Eric Malarek, Fort Monmouth Project Chemist, Shaw E&I

SUBJECT: Fort Monmouth Data Validation – Volatiles in Air
Accutest Laboratoriers, Inc., SDG JA45152

DATE: May 27, 2010

The purpose of this memorandum is to present the data validation report for the samples collected at Fort Monmouth on April 25-26, 2010. The reported list for the TO-15 volatile organic compounds (VOCs) listed on the attached form 1s report of analysis. The methodology used was USEPA TO-15 GC/MS SIM. A total of ten air samples were validated. The sample IDs are:

Field Sample ID	Lab Sample ID	Field Sample ID	Lab Sample ID
52IA-3	JA45152-1	34IA-1	JA45152-6
52IA-4-Ambient	JA45152-2	34IA-2	JA45152-7
52IA-2	JA45152-3	43IA-3-Ambient	JA45152-8
52IA-1	JA45152-4	43IA-2	JA45152-9
34IA-3-Ambient	JA45152-5	43IA-1	JA45152-10

Data were reviewed by Eric Malarek and validated using a combination of method-specific criteria and Region II SOP *USEPA Hazardous Waste Support Branch Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15* (SOP HW-31; Rev 4; October 2006). The data qualifier scheme was consistent with the Region II SOP (SOP HW-31; Rev 4; October 2006). Parameters evaluated are presented in **Table 1**. Data associated with parameters in compliance with quality control specifications have not been qualified. Data associated with parameters that did not comply with quality control specifications and directly impacted project data have been qualified in accordance with USEPA Region II specifications.

Table 1 Laboratory Performance Criteria

Qualified		Parameter
Yes	No	
	X	Holding Times
	X	Instrument Performance Results
	X	Initial Calibration
	X	Continuing Calibration
	X	Blank Analysis
	X	System Monitoring Compounds
	X	Internal Standards
	X	Laboratory Control Sample (LCS) and LCS Duplicate
	X	Laboratory Duplicate
	X	Field Duplicate
X		Quantitation Verification

The quality of data collected in support of this sampling activity is considered acceptable with noted qualifications.

Eric Malarek, Chemist

5/27/10
Date

FT MOMOUTH VALIDATION REPORT
VOLATILES REVIEW
SDG JA45152

I-Holding Times
The objective is to ascertain the validity of results based on the holding time of the sample from time of collection to time of analysis. For air samples, the maximum holding time is 30 days from sample collection to analysis using summa canisters (Method TO-15).

- The air samples were collected after 24 hour sampling duration on 04/26/10, received on 04/27/10, and analyzed on 05/05/10 and 05/06/10. All criteria were met. No qualifiers were applied.

II-Instrument Performance Check
The analysis of the instrument performance check solution must be performed at the beginning of each 12-hour period during which samples are analyzed and within method criteria.

- The instrument performance check, bromofluorobenzene (BFB), met the ion abundance criteria for all runs. No qualification was applied.

III-Initial Calibration
Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear calibration curve. The relative retention time range must be ±0.06 of the mean for all target compounds and the retention time range must be ±0.33 and area range ±40% for all internal standards. The minimum relative response factor (RRF) must be ≥0.05 (≥0.01 for 2-butanone, carbon disulfide, chloroethane, chloromethane, 1,2-dibromoethane, 1,2-dichloropropane, 1,4-dioxane, 1,2-dibromo-3-chloropropane, and methylene chloride). Percent relative standard deviation (%RSD) must be ≤30% for specified target compound list and must be ≤40% for each calibration check compound. Grossly exceeding values are considered >90%.

- For initial calibration performed on 04/05-06/10 on instrument MS2W, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

- For initial calibration performed on 04/06-07/10 on instrument MS3W, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

- For initial calibration performed on 04/13/10 on instrument MSW, all %RSDs, RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. No qualifiers were applied. No air samples reported were analyzed using this initial calibration.

- For initial calibration performed on 05/04-05/10 on instrument MSW, target compounds benzyl chloride (39.1%) and hexachlorobutadiene (35.9%) were outside criteria. All RRFs, retention time, and internal standard areas were within criteria for all reported target compounds and/or standards. Benzyl chloride, n-butylbenzene, and hexachlorobutadiene were non-detect for all associated samples; therefore, no qualifiers were applied based upon these outliers. Samples 52IA-3 (JA45152-1), 52IA-4-Ambient (JA45152-2), 52IA-2 (JA45152-3), 52IA-1 (JA45152-4), 34IA-3-Ambient (JA45152-5), 34IA-1 (JA45152-6), 34IA-2 (JA45152-7), 43IA-3-Ambient (JA45152-8), 43IA-2 (JA45152-9), and 43IA-1 (JA45152-10) were analyzed using this initial calibration.

IV-Continuing Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument used is capable of producing acceptable qualitative and quantitative data for volatile target compounds. Continuing calibration establishes the relative response factors on which the quantitations are based and checks satisfactory performance of the instrument on a day-to-day basis. The minimum relative response factor (RRF) must be ≥0.05 (≥0.01 for 2-butanone, carbon disulfide, chloroethane, chloromethane, 1,2-dibromoethane, 1,2-dichloropropane, 1,4-dioxane, 1,2-dibromo-3-chloropropane, and methylene chloride). The RRF percent difference (%D) must be within 30% for select target compounds. Grossly exceeding values are considered >90% D.

- For initial calibration verification performed on 04/05/10 @20:41 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this initial calibration verification.

- For continuing calibration performed on 04/13/10 @08:09 on instrument MS2W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For initial calibration verification performed on 04/07/10 @10:52 on instrument MS3W, 1,2,4-trichlorobenzene (-37.6%) was outside criteria. For all other target compounds, all %Ds and RRFs were within criteria. No air samples reported were analyzed using this initial calibration verification; therefore, no qualifiers were applied based upon this outlier.

- For continuing calibration performed on 04/14/10 @10:15 on instrument MS3W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 04/19/10 @06:39 on instrument MS3W, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For initial calibration verification performed on 04/13/10 @16:27 on instrument MSW, 1,2,4-trichlorobenzene (-36.1%) was outside criteria. For all other target compounds, all %Ds and RRFs were within criteria. No air samples reported were analyzed using this initial calibration verification; therefore, no qualifiers were applied based upon this outlier.

- For continuing calibration performed on 04/19/10 @08:33 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 04/20/10 @08:10 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 04/21/10 @07:44 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

- For continuing calibration performed on 05/05/10 @12:19 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. Samples 52IA-3 (JA45152-1), 52IA-4-Ambient (JA45152-2), 52IA-2 (JA45152-3), 52IA-1 (JA45152-4), 34IA-3-Ambient (JA45152-5), 34IA-1 (JA45152-6), 34IA-2 (JA45152-7), 43IA-3-Ambient (JA45152-8), 43IA-2 (JA45152-9), and 43IA-1 (JA45152-10) were analyzed using this continuing calibration.

- For initial calibration verification performed on 05/05/10 @15:05 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this initial calibration verification.

- For continuing calibration performed on 05/06/10 @10:02 on instrument MSW, all %Ds and RRFs were within criteria for all reported target compounds. No air samples reported were analyzed using this continuing calibration.

V-Blank Analysis

The purpose of blank analyses is to determine the presence and magnitude of contamination problems resulting from field and laboratory activities. A method blank analysis must be performed after the calibration standards and once every 24-hour time period beginning with the injection of BFB. No contaminants should be detected in any of the associated blanks > the MDL. With air samples, the blank sample is a clean air sample used to verify the instrument has no contamination (i.e. <RL). A field sample ambient background can be collected to compare outside air to indoor air samples. Positive sample results for the blank-related compounds are reported and qualified "U" at the concentration found in each sample, if the concentration of the compound in the sample is ≤5 times (5x) the maximum amount in any blank for the target laboratory contaminants per USEPA Region II guidance. If the sample concentration is greater than the 5x concentration or is non-detect in the sample, then no qualification is warranted.

- All canisters were certified clean prior to analysis (by batch) and certifications provided. **Table 2** summarizes the blank contamination analysis and **Table 3** presents the ambient background detections by area for comparison.

Table 2 Blank Contamination Analysis Summary

Analysis Date	QC Blank ID	Compound	Max Conc. $\mu g/m^3$	Action Level $\mu g/m^3$	U qualified samples (for this SDG)
05/05/10	VW1083-MB	All target <RL	NA	NA	None
05/06/10	VW1084-MB	All target <RL	NA	NA	None
04/13/10	V2W1124-MB	All target <RL	NA	NA	None
04/14/10	V3W649-MB	All target <RL	NA	NA	None
04/19/10	V3W652-MB	All target <RL	NA	NA	None
04/19/10	VW1076-MB	All target <RL	NA	NA	None
04/20/10	VW1077-MB	All target <RL	NA	NA	None
04/21/10	VW1078-MB	All target <RL	NA	NA	None

RL = Reporting Limit
NA = Not Applicable

Table 3 Outdoor Ambient Sample Detection Summary

Analysis Date	Sample ID	Compound	Conc. µg/m^3
05/06/10	52IA-4-Ambient	Acetone	14
05/06/10	52IA-4-Ambient	Benzene	0.32 J
05/06/10	52IA-4-Ambient	Chloromethane	1.2
05/06/10	52IA-4-Ambient	Dichlorodifluoromethane	2.1
05/06/10	52IA-4-Ambient	Ethanol	39.2
05/06/10	52IA-4-Ambient	Ethyl Acetate	6.5
05/06/10	52IA-4-Ambient	Isopropyl Alcohol	0.59
05/06/10	52IA-4-Ambient	Methyl ethyl ketone	1.5
05/06/10	52IA-4-Ambient	Tetrachloroethylene	0.33
05/06/10	52IA-4-Ambient	Toluene	1.1
05/06/10	52IA-4-Ambient	Trichlorofluoromethane	1.2
05/06/10	52IA-4-Ambient	Xylenes (m&p)	0.52 J
05/06/10	52IA-4-Ambient	Xylenes (total)	0.52 J
05/06/10	43IA-3-Ambient	Acetone	4.8
05/06/10	43IA-3-Ambient	Benzene	0.45 J
05/06/10	43IA-3-Ambient	Chloromethane	1.2
05/06/10	43IA-3-Ambient	Cyclohexane	<0.21
05/06/10	43IA-3-Ambient	Dichlorodifluoromethane	2.5
05/06/10	43IA-3-Ambient	Dichloromethane	<0.087
05/06/10	43IA-3-Ambient	Ethanol	2.8
05/06/10	43IA-3-Ambient	Ethyl Acetate	2.7
05/06/10	43IA-3-Ambient	Ethylbenzene	<0.083
05/06/10	43IA-3-Ambient	4-Ethyltoluene	<0.21
05/06/10	43IA-3-Ambient	n-Heptane	<0.11
05/06/10	43IA-3-Ambient	n-Hexane	<0.067
05/06/10	43IA-3-Ambient	Isopropyl Alcohol	<0.086
05/06/10	43IA-3-Ambient	4-Methyl-2-pentanone (MIBK)	<0.18
05/06/10	43IA-3-Ambient	Methyl ethyl ketone	<0.12
05/06/10	43IA-3-Ambient	Propylene	<0.1
05/06/10	43IA-3-Ambient	Styrene	<0.077
05/06/10	43IA-3-Ambient	Tertiary Butyl Alcohol	<0.07
05/06/10	43IA-3-Ambient	Tetrachloroethylene	<0.14
05/06/10	43IA-3-Ambient	Toluene	2.1
05/06/10	43IA-3-Ambient	1,1,1-Trichloroethane	<0.14
05/06/10	43IA-3-Ambient	Trichloroethylene	<0.1
05/06/10	43IA-3-Ambient	Trichlorofluoromethane	1.3
05/06/10	43IA-3-Ambient	1,2,4-Trimethylbenzene	<0.1
05/06/10	43IA-3-Ambient	1,3,5-Trimethylbenzene	<0.13
05/06/10	43IA-3-Ambient	2,2,4-Trimethylpentane	<0.093
05/06/10	43IA-3-Ambient	Xylenes (m&p)	0.61 J
05/06/10	43IA-3-Ambient	o-Xylene	<0.1
05/06/10	43IA-3-Ambient	Xylenes (total)	0.61 J
05/06/10	34IA-3-Ambient	Acetone	5.0
05/06/10	34IA-3-Ambient	Chloromethane	1.2
05/06/10	34IA-3-Ambient	Dichlorodifluoromethane	2.3
05/06/10	34IA-3-Ambient	Ethanol	3.0
05/06/10	34IA-3-Ambient	Toluene	0.75
05/06/10	34IA-3-Ambient	Trichlorofluoromethane	1.3

J = Value detected as estimated <RL and >MDL.
MDL = Method Detection Limit
RL = Reporting Limit
NA = Not Applicable

VI-System Monitoring Compounds (Surrogates)

Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. Recoveries for system monitoring compounds in volatile samples and blanks must be within the specified control limits.

Criteria: 4-Bromofluorobenzene (65-128%)

- All criteria were met. No qualifiers were applied.

VII-Internal Standards (IS)
Internal standards performance criteria ensure that GC/MS sensitivity and response are stable during every analytical run for all samples run. Specific criteria include: area counts (-40% to +40%) of the associated calibration standards, and retention time (±0.33 minutes) from that of the associated calibration standards.

- All criteria were met for all runs and calibrations. No qualifiers were applied.

VIII-Laboratory Control Samples (LCS) and LCS Duplicate
The laboratory control sample (LCS) (a.k.a blank spike) serves as a precision and accuracy monitor of the overall performance of each step during the analysis, including the sample preparation. All LCS results must fall within the control limits of 70-130%; RPD=30%.

- Samples VW1083-BS and VW1083-BSD were used as the LCS and LCSD for the 05/05/10 run. All criteria were met. No qualifiers were applied. Samples 52IA-3 (JA45152-1), 52IA-4-Ambient (JA45152-2), 52IA-2 (JA45152-3), 52IA-1 (JA45152-4), 34IA-3-Ambient (JA45152-5), 34IA-1 (JA45152-6), 34IA-2 (JA45152-7), 43IA-3-Ambient (JA45152-8), 43IA-2 (JA45152-9), and 43IA-1 (JA45152-10) apply to this LCS/LCSD.

- Samples V2W1124-BS and V2W1124-BSD were used as the LCS and LCSD for the 04/13/10 run. Bromoform (131%) and hexachlorobutadiene (139%) were above criteria. For all other target compounds, all criteria were met. No air samples were reported using this LCS/LCSD; therefore, no qualifiers were applied based upon these outliers.

- Samples V3W649-BS and V3W649-BSD were used as the LCS and LCSD for the 04/14/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples V3W652-BS and V3W652-BSD were used as the LCS and LCSD for the 04/19/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples VW1076-BS and VW1076-BSD were used as the LCS and LCSD for the 04/19/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples VW1077-BS and VW1077-BSD were used as the LCS and LCSD for the 04/20/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

- Samples VW1078-BS and VW1078-BSD were used as the LCS and LCSD for the 04/21/10 run. All criteria were met. No qualifiers were applied. No air samples were reported using this LCS/LCSD.

IX-Laboratory Duplicate Sample Analysis
Duplicate sample determinations are used to demonstrate acceptable method precision by the laboratory at the time of analysis. Duplicate analyses are performed to generate data in order to determine the long-term precision of the analytical method on various matrices. RPDs must be within established control limits. Precision control criterion was established using lab generated control limits for the air samples. Analytical results were qualified as estimated (J) for any RPDs exceeding criteria.

- Sample JA44640-11 was used as the laboratory duplicate for the 05/05/10 run. The duplicated sample was not a Ft Monmouth site sample; therefore, was not evaluated. Samples 52IA-3 (JA45152-1), 52IA-4-Ambient (JA45152-2), 52IA-2 (JA45152-3), 52IA-1 (JA45152-4), 34IA-3-Ambient (JA45152-5), 34IA-1 (JA45152-6), 34IA-2 (JA45152-7), 43IA-3-Ambient (JA45152-8), 43IA-2 (JA45152-9), and 43IA-1 (JA45152-10) apply to this laboratory duplicate.

- Sample JA45093-02 was used as the laboratory duplicate for the 05/06/10 run. The duplicated sample was not a Ft Monmouth site sample; therefore, was not evaluated. Samples 43IA-2 (JA45152-9) and 43IA-1 (JA45152-10) apply to this laboratory duplicate.

X-Field Duplicate Sample Analysis
Field duplicates were collected to identify the cumulative precision of the sampling and analytical process and sent to the laboratory blind. The RPD was calculated only for those analytes which were detected at levels exceeding the method reporting limits in both samples of the duplicate pair. Analytes that were qualified because of blank contamination (U-qualified) or that were rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. The %RPDs are provided for the air samples for comparison reasons.

- No site field air sample duplicate pair was analyzed in this SDG; therefore, was not evaluated.

XI-Quantitation Verification
The accuracy of analytical results is verified through the calculation of several parameters. The percent difference (%D) between the calculated and the reported values should be within 10%.

- Any compound detected less than the reporting limit (RL) and greater than the method detection limit (MDL) was qualified as estimated "J".

- For samples 52IA-3 (JA45152-1), 52IA-2 (JA45152-3), 34IA-1 (JA45152-6), and 34IA-2 (JA45152-7), ethanol exceeded calibration range with no further dilutions. Ethanol was qualified estimated "J" based upon this outlier.

- For sample 52IA-1 (JA45152-4), the sample timed out with a final pressure of 0.0 "Hg. The canisters had an initial pressure of 30 "Hg. The sample duration is assumed therefore to be less than 24 hours and may cause bias low results.

Sample: 52IA-3 (JA45152-1), Trichloroethylene

Conc. (ppbv) = (Ax)*(Is) *(DF)/(Ais)*(RRF)
where: Ax is the compound area
Ais is the corresponding internal standard area
Is is the corresponding internal standard concentration (ppbv)
DF is the dilution factor
RRF is the relative response factor

Conc. ppbv = (148195 * 10 ppbv * 1) / (638013 * 0.433) = 5.3643 ppbv = 29 $\mu g/m^3$

Reported Conc. = 29 $\mu g/m^3$
%D = 0.0%
Values were within 10% difference.

Laboratory and Data Validation Qualifiers

Qualifier	Definition
Laboratory Qualifiers[1]	
No Code	Confirmed identification.
U	Undetected at the limit of detection: The associated data value is the limit of detection, adjusted by any dilution factor used in the analysis.
J	Estimated: The analyte was positively identified; the quantitation is estimation.
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
E	Indicates value exceeded calibration range.
P	Target analyte confirmation >40% RPD for detected compound between the primary and secondary columns.
N	Non-target analyte: The analyte is a tentatively identified compound (using mass spectroscopy).
Q	One or more quality control criteria failed.
USEPA Region II Data Validation Qualifiers[2]	
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meeting the quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

[1]The noted laboratory qualifiers are a minimum. If a laboratory has more and they are consistent with USEPA conventions and properly defined, the laboratory may use them. Data qualifiers may be combined when appropriate.
[2]The USEPA data validation qualifiers are referenced from *Region II SOP USEPA Hazardous Waste Support Branch Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 (SOP HW-31; Rev 4; October 2006).*

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Report of Analysis

Client Sample ID:	52IA-3		
Lab Sample ID:	JA45152-1	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A896	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26170.D	1	05/05/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.2	0.20	0.039	ppbv		29.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.5	0.20	0.021	ppbv		4.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.75	0.20	0.061	ppbv		2.6	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Accutest Laboratories

Report of Analysis

Client Sample ID:	52IA-3		
Lab Sample ID:	JA45152-1	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A896	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	63.1	0.50	0.077	ppbv	E	119 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.0	0.20	0.019	ppbv		4.3	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.65	0.20	0.043	ppbv		3.2	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	1.1	0.20	0.026	ppbv		4.5	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	2.8	0.20	0.019	ppbv		9.9	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.035	ppbv		5.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.28	0.20	0.025	ppbv		0.97	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.86	0.20	0.039	ppbv		2.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	6.5	0.20	0.045	ppbv		27	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.22	0.20	0.022	ppbv		0.79	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.38	0.20	0.025	ppbv		2.1	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.2	0.20	0.021	ppbv		16	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.80	0.20	0.026	ppbv		3.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.81	0.20	0.020	ppbv		3.8	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.044	0.040	0.021	ppbv		0.30	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	6.0	0.20	0.018	ppbv		23	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	5.4	0.040	0.019	ppbv		29	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	4.8	0.20	0.045	ppbv		21	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.5	0.20	0.023	ppbv		6.5	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	6.2	0.20	0.023	ppbv		27	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-4AMBIENT		
Lab Sample ID:	JA45152-2	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A259	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26171.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.8	0.20	0.039	ppbv		14	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.099	0.20	0.021	ppbv	J	0.32 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-4AMBIENT		
Lab Sample ID:	JA45152-2	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A259	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	20.8	0.50	0.077	ppbv		39.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.24	0.20	0.035	ppbv		0.59	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.52	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.049	0.040	0.021	ppbv		0.33	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.28	0.20	0.018	ppbv		1.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.20	0.021	ppbv		1.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.12	0.20	0.045	ppbv	J	0.52 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.12	0.20	0.023	ppbv	J	0.52 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-2		
Lab Sample ID:	JA45152-3	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A764	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26172.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.2	0.20	0.039	ppbv		29.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.69	0.20	0.021	ppbv		2.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.58	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.29	0.20	0.061	ppbv		1.0	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-2		
Lab Sample ID:	JA45152-3	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A764	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	113	0.50	0.077	ppbv	E	213 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.51	0.20	0.019	ppbv		2.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.8	0.20	0.051	ppbv		10	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.25	0.20	0.043	ppbv		1.2	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.74	0.20	0.026	ppbv		3.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.98	0.20	0.019	ppbv		3.5	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	8.1	0.20	0.035	ppbv		20	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.69	0.20	0.039	ppbv		2.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.0	0.20	0.045	ppbv		8.2	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.018	ppbv	J	0.60 J	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.12	0.20	0.025	ppbv	J	0.65 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.3	0.20	0.021	ppbv		6.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.34	0.20	0.026	ppbv		1.7	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.30	0.20	0.020	ppbv		1.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.037	0.040	0.021	ppbv	J	0.25 J	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	2.4	0.20	0.018	ppbv		9.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	1.8	0.040	0.019	ppbv		9.7	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.0	0.20	0.045	ppbv		8.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.61	0.20	0.023	ppbv		2.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.6	0.20	0.023	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-1		
Lab Sample ID:	JA45152-4	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A188	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26173.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	13.3	0.20	0.039	ppbv		31.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.81	0.20	0.021	ppbv		2.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.37	0.20	0.061	ppbv		1.3	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	52IA-1		
Lab Sample ID:	JA45152-4	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A188	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	107	0.50	0.077	ppbv	E	202 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.61	0.20	0.019	ppbv		2.6	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.1	0.20	0.051	ppbv		7.6	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.33	0.20	0.043	ppbv		1.6	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.78	0.20	0.026	ppbv		3.2	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.3	0.20	0.019	ppbv		4.6	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	7.9	0.20	0.035	ppbv		19	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.19	0.20	0.025	ppbv	J	0.66 J	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.71	0.20	0.039	ppbv		2.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	3.2	0.20	0.045	ppbv		13	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.17	0.20	0.018	ppbv	J	0.72 J	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.17	0.20	0.025	ppbv	J	0.93 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.7	0.20	0.021	ppbv		8.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.42	0.20	0.026	ppbv		2.1	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.38	0.20	0.020	ppbv		1.8	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.041	0.040	0.021	ppbv		0.28	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	3.1	0.20	0.018	ppbv		12	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	2.5	0.040	0.019	ppbv		13	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.5	0.20	0.045	ppbv		11	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.79	0.20	0.023	ppbv		3.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	3.3	0.20	0.023	ppbv		14	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-3AMBIENT		
Lab Sample ID:	JA45152-5	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A340	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26174.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.1	0.20	0.039	ppbv		5.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-3AMBIENT		
Lab Sample ID:	JA45152-5	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A340	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.6	0.50	0.077	ppbv		3.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.018	ppbv		0.75	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-1		
Lab Sample ID:	JA45152-6	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A372	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26175.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.7	0.20	0.039	ppbv		18	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.79	0.20	0.024	ppbv		3.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-1		
Lab Sample ID:	JA45152-6	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A372	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	51.5	0.50	0.077	ppbv	E	97.0 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.026	ppbv	J	0.53 J	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.20	0.035	ppbv		3.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.60	0.20	0.039	ppbv		1.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.46	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	13.5	0.20	0.021	ppbv		75.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.045	ppbv	J	0.48 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.023	ppbv	J	0.48 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-2		
Lab Sample ID:	JA45152-7	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A262	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26176.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.5	0.20	0.039	ppbv		15	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.84	0.20	0.024	ppbv		4.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	34IA-2		
Lab Sample ID:	JA45152-7	Date Sampled:	04/26/10
Matrix:	AIR - Air Summa ID: A262	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	42.6	0.50	0.077	ppbv	E	80.3 J	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.5	0.20	0.051	ppbv		5.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.48	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	14.1	0.20	0.021	ppbv		79.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: W26177.D

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Report of Analysis

Client Sample ID:	43IA-3AMBIENT		
Lab Sample ID:	JA45152-8	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A218	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26177.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.0	0.20	0.039	ppbv		4.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45 J	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.024	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	43IA-3AMBIENT		
Lab Sample ID:	JA45152-8	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A218	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.5	0.50	0.077	ppbv		2.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.74	0.20	0.051	ppbv		2.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.55	0.20	0.018	ppbv		2.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.045	ppbv	J	0.61 J	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.023	ppbv	J	0.61 J	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	43IA-2		
Lab Sample ID:	JA45152-9	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A368	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26178.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2	W26188.D	1	05/06/10	YMH	n/a	n/a	VW1084

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	90.7 [a]	0.80	0.16	ppbv		215 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	5.8	0.20	0.021	ppbv		19	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	5.1	0.20	0.061	ppbv		18	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.024	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	43IA-2		
Lab Sample ID:	JA45152-9	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A368	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	75.8 [a]	2.0	0.31	ppbv		143 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	3.1	0.20	0.019	ppbv		13	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	1.2	0.20	0.043	ppbv		5.9	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	8.0	0.20	0.026	ppbv		33	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	14.2	0.20	0.019	ppbv		50.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.5	0.20	0.035	ppbv		3.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.27	0.20	0.025	ppbv		0.94	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.3	0.20	0.039	ppbv		6.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.3	0.20	0.045	ppbv		9.4	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	5.6	0.50	0.061	ppbv		9.6	0.86	ug/m3
100-42-5	104.1	Styrene	0.37	0.20	0.018	ppbv		1.6	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	5.4	0.20	0.021	ppbv		27	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.4	0.20	0.026	ppbv		6.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	10.8	0.20	0.020	ppbv		50.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.065	0.040	0.021	ppbv		0.44	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	52.5 [a]	0.80	0.071	ppbv		198 [a]	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	11.0	0.20	0.045	ppbv		47.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	3.9	0.20	0.023	ppbv		17	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	14.9	0.20	0.023	ppbv		64.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%	99%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	43IA-2		
Lab Sample ID:	JA45152-9	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A368	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	43IA-1		
Lab Sample ID:	JA45152-10	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A361	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26179.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2	W26189.D	1	05/06/10	YMH	n/a	n/a	VW1084

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	62.4 [a]	0.80	0.16	ppbv		148 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.5	0.20	0.021	ppbv		4.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	1.1	0.20	0.061	ppbv		3.8	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Form I Copy

Accutest Laboratories

Report of Analysis

Client Sample ID:	43IA-1		
Lab Sample ID:	JA45152-10	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A361	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	31.9	0.50	0.077	ppbv		60.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	0.20	0.019	ppbv		4.8	0.87	ug/m3
141-78-6	88	Ethyl Acetate	4.0	0.20	0.051	ppbv		14	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.43	0.20	0.043	ppbv		2.1	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	1.8	0.20	0.026	ppbv		7.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	3.5	0.20	0.019	ppbv		12	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.4	0.20	0.035	ppbv		11	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.59	0.20	0.025	ppbv		2.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.9	0.20	0.039	ppbv		8.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	1.1	0.20	0.045	ppbv		4.5	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.018	ppbv	J	0.60 J	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.12	0.20	0.025	ppbv	J	0.65 J	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.0	0.20	0.021	ppbv		9.8	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.58	0.20	0.026	ppbv		2.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	3.2	0.20	0.020	ppbv		15	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.15	0.20	0.023	ppbv	J	0.45 J	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.87	0.040	0.021	ppbv		5.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	27.9	0.20	0.018	ppbv		105	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.046	0.040	0.019	ppbv		0.25	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.021	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	3.9	0.20	0.045	ppbv		17	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.3	0.20	0.023	ppbv		5.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	5.2	0.20	0.023	ppbv		23	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	96%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	43IA-1		
Lab Sample ID:	JA45152-10	Date Sampled:	04/27/10
Matrix:	AIR - Air Summa ID: A361	Date Received:	04/27/10
Method:	TO-15	Percent Solids:	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/10/10



Technical Report for

Shaw Environmental

Fort Monmouth, Phase II ECP, NJ

137749-02000000

Accutest Job Number: JA45062

Sampling Date: 04/25/10

Report to:

Shaw Environmental
2113 Emmonton Park Road
Edgewood, MD 21040

ATTN: Mark Magness

Total number of pages in report: **1201**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Accutest Laboratories

Sample Summary

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA45062-1	04/25/10	08:20	KG	04/26/10	AIR	Air	50IA-1
JA45062-2	04/25/10	08:20	KG	04/26/10	AIR	Air	50IA-2
JA45062-3	04/25/10	08:20	KG	04/26/10	AIR	Air	50IA-3
JA45062-4	04/25/10	08:30	KG	04/26/10	AIR	Air	50IA-4
JA45062-5	04/25/10	08:30	KG	04/26/10	AIR	Air	50IA-5
JA45062-6	04/25/10	08:35	KG	04/26/10	AIR	Air	50IA-6
JA45062-7	04/25/10	08:40	KG	04/26/10	AIR	Air	50IA-7
JA45062-8	04/25/10	08:50	KG	04/26/10	AIR	Air	50IA-8
JA45062-9	04/25/10	08:45	KG	04/26/10	AIR	Air	50IA-9
JA45062-10	04/25/10	08:55	KG	04/26/10	AIR	Air	50IA-10 AMBIENT
JA45062-11	04/25/10	10:05	KG	04/26/10	AIR	Air	15IA-1
JA45062-12	04/25/10	10:05	KG	04/26/10	AIR	Air	15IA-2
JA45062-13	04/25/10	10:10	KG	04/26/10	AIR	Air	15IA-3

Sample Summary
(continued)

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA45062-14	04/25/10	10:15	KG	04/26/10	AIR	Air	15IA-4
JA45062-15	04/25/10	10:35	KG	04/26/10	AIR	Air	15IA-5
JA45062-16	04/25/10	10:20	KG	04/26/10	AIR	Air	15IA-6
JA45062-17	04/25/10	10:20	KG	04/26/10	AIR	Air	15IA-7
JA45062-18	04/25/10	10:20	KG	04/26/10	AIR	Air	15IA-8
JA45062-19	04/25/10	10:25	KG	04/26/10	AIR	Air	15IA-9
JA45062-20	04/25/10	10:30	KG	04/26/10	AIR	Air	15IA-10
JA45062-21	04/25/10	10:35	KG	04/26/10	AIR	Air	15IA-11
JA45062-22	04/25/10	10:40	KG	04/26/10	AIR	Air	15IA-12
JA45062-23	04/25/10	10:40	KG	04/26/10	AIR	Air	15IA-12DUP
JA45062-24	04/25/10	10:45	KG	04/26/10	AIR	Air	15IA-13
JA45062-25	04/25/10	10:55	KG	04/26/10	AIR	Air	15IA-14
JA45062-26	04/25/10	11:00	KG	04/26/10	AIR	Air	15IA-15

Sample Summary
(continued)

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA45062-27	04/25/10	11:05	KG	04/26/10	AIR	Air	15IA-AMBIENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shaw Environmental	**Job No**	JA45062
Site:	Fort Monmouth, Phase II ECP, NJ	**Report Date**	5/10/2010 7:59:13 PM

On 04/26/2010, 27 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA45062 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** V2W1140

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45062-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AIR **Batch ID:** V2W1141

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45062-13DUP were used as the QC samples indicated.
- Sample(s) JA45062-20 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- RPD(s) for Duplicate for 1,2,4-Trimethylbenzene, Cyclohexane, Ethylbenzene are outside control limits for sample JA45062-13DUP. Probable cause due to sample homogeneity.
- JA45062-13DUP for 1,2,4-Trimethylbenzene: Outside in house control limits.
- JA45062-13DUP for Cyclohexane: Outside in house control limits.
- JA45062-13DUP for Ethylbenzene: Outside in house control limits.

Matrix: AIR **Batch ID:** V2W1143

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45065-5DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Propylene are outside control limits for sample JA45065-5DUP. Probable cause due to sample homogeneity.
- JA45065-5DUP for Propylene: Outside in house control limits.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-1
Lab Sample ID: JA45062-1 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A905 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27064.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.6	0.20	0.039	ppbv		8.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.021	ppbv		0.64	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.74	0.20	0.024	ppbv		3.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-1
Lab Sample ID: JA45062-1
Matrix: AIR - Air Summa ID: A905
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.1	0.50	0.077	ppbv		5.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	13.9	0.20	0.051	ppbv		50.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.019	ppbv	J	0.42	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.69	0.20	0.035	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.025	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.23	0.50	0.061	ppbv	J	0.40	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.53	0.20	0.018	ppbv		2.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.19	0.040	0.019	ppbv		1.0	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-2
Lab Sample ID: JA45062-2 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A465 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27084.D	1	05/04/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.5	0.20	0.039	ppbv		8.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.12	0.20	0.034	ppbv	J	0.37	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.70	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.77	0.20	0.024	ppbv		3.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-2
Lab Sample ID: JA45062-2
Matrix: AIR - Air Summa ID: A465
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.6	0.50	0.077	ppbv		6.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.53	0.20	0.035	ppbv		1.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.32	0.20	0.039	ppbv		0.94	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.26	0.50	0.061	ppbv	J	0.45	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.059	0.040	0.021	ppbv		0.40	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.43	0.20	0.018	ppbv		1.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.59	0.20	0.021	ppbv		3.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-3
Lab Sample ID: JA45062-3 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A903 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27091.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.2	0.20	0.039	ppbv		7.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.021	ppbv	J	0.48	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.15	0.20	0.022	ppbv	J	0.94	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.69	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-3
Lab Sample ID: JA45062-3 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A903 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.7	0.50	0.077	ppbv		5.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	16.1	0.20	0.051	ppbv		57.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.019	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.6	0.20	0.035	ppbv		3.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.025	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.53	0.20	0.039	ppbv		1.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.045	ppbv	J	0.49	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.17	0.20	0.065	ppbv	J	1.3	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.055	0.040	0.021	ppbv		0.37	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.30	0.20	0.018	ppbv		1.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.069	0.040	0.019	ppbv		0.37	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.12	0.20	0.045	ppbv	J	0.52	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.12	0.20	0.023	ppbv	J	0.52	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-4
Lab Sample ID: JA45062-4 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A882 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27092.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.23	0.20	0.028	ppbv		1.1	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.55	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.67	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.44	0.20	0.028	ppbv		1.7	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-4
Lab Sample ID: JA45062-4
Matrix: AIR - Air Summa ID: A882
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	20.2	0.50	0.077	ppbv		38.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.24	0.20	0.019	ppbv		0.85	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.63	0.20	0.039	ppbv		1.9	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.58	0.50	0.061	ppbv		1.0	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.16	0.20	0.025	ppbv	J	0.87	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.063	0.040	0.021	ppbv		0.43	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.68	0.20	0.018	ppbv		2.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.045	0.040	0.019	ppbv		0.24	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.72	0.20	0.021	ppbv		4.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-5
Lab Sample ID: JA45062-5 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A227 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27093.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.7	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.21	0.20	0.028	ppbv		1.0	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.55	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-5
Lab Sample ID: JA45062-5
Matrix: AIR - Air Summa ID: A227
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	18.5	0.50	0.077	ppbv		34.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.026	ppbv	J	0.41	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.019	ppbv	J	0.56	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.8	0.20	0.035	ppbv		9.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.33	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.41	0.20	0.039	ppbv		1.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.48	0.50	0.061	ppbv	J	0.82	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.19	0.20	0.025	ppbv	J	1.0	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.053	0.20	0.020	ppbv	J	0.25	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.045	0.040	0.021	ppbv		0.31	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.52	0.20	0.018	ppbv		2.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.84	0.20	0.021	ppbv		4.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.045	ppbv	J	0.61	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.023	ppbv	J	0.61	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-6
Lab Sample ID: JA45062-6 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A313 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27070.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.8	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.16	0.20	0.028	ppbv	J	0.78	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.63	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-6
Lab Sample ID: JA45062-6
Matrix: AIR - Air Summa ID: A313
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	15.2	0.50	0.077	ppbv		28.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.026	ppbv	J	0.41	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.6	0.20	0.035	ppbv		6.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.44	0.50	0.061	ppbv	J	0.76	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.13	0.20	0.025	ppbv	J	0.71	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.036	0.040	0.021	ppbv	J	0.24	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.57	0.20	0.018	ppbv		2.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.20	0.021	ppbv		6.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-7
Lab Sample ID: JA45062-7 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A865 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27071.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.11	0.20	0.028	ppbv	J	0.54	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.64	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-7
Lab Sample ID: JA45062-7
Matrix: AIR - Air Summa ID: A865
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	15.6	0.50	0.077	ppbv		29.4	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.2	0.20	0.051	ppbv		7.9	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.096	0.20	0.022	ppbv	J	0.74	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.035	ppbv		5.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.40	0.50	0.061	ppbv	J	0.69	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.021	ppbv	J	0.54	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.89	0.20	0.018	ppbv		3.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.20	0.040	0.019	ppbv		1.1	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.0	0.20	0.021	ppbv		11	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.045	ppbv		0.96	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.023	ppbv		0.96	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-8
Lab Sample ID: JA45062-8 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A886 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27072.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.5	0.20	0.039	ppbv		5.9	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.17	0.20	0.034	ppbv	J	0.53	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.62	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-8
Lab Sample ID: JA45062-8
Matrix: AIR - Air Summa ID: A886
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.2	0.50	0.077	ppbv		4.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	4.3	0.20	0.051	ppbv		15	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.18	0.50	0.061	ppbv	J	0.31	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.021	ppbv	J	0.69	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.62	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.069	0.040	0.019	ppbv		0.37	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.43	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-9
Lab Sample ID: JA45062-9 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A356 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27073.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.9	0.20	0.039	ppbv		14	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.021	ppbv	J	0.61	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.028	ppbv	J	0.59	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.67	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-9
Lab Sample ID: JA45062-9
Matrix: AIR - Air Summa ID: A356
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	19.0	0.50	0.077	ppbv		35.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.0	0.20	0.051	ppbv		7.2	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.026	ppbv	J	0.49	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.21	0.20	0.019	ppbv		0.74	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.9	0.20	0.035	ppbv		7.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.50	0.20	0.025	ppbv		1.7	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.021	ppbv	J	0.69	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.12	0.20	0.023	ppbv	J	0.36	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.1	0.040	0.021	ppbv		7.5	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.6	0.20	0.018	ppbv		6.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.15	0.040	0.019	ppbv		0.81	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.3	0.20	0.021	ppbv		13	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.35	0.20	0.046	ppbv		1.2	0.70	ug/m3
	106.2	m,p-Xylene	0.24	0.20	0.045	ppbv		1.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.24	0.20	0.023	ppbv		1.0	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 50IA-10 AMBIENT
Lab Sample ID: JA45062-10
Matrix: AIR - Air Summa ID: A769
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27101.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.7	0.20	0.039	ppbv		8.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 50IA-10 AMBIENT
Lab Sample ID: JA45062-10 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A769 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.5	0.50	0.077	ppbv		4.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.68	0.20	0.051	ppbv		2.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.019	ppbv	J	0.56	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.38	0.20	0.035	ppbv		0.93	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.32	0.20	0.039	ppbv		0.94	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.25	0.50	0.061	ppbv	J	0.43	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.13	0.040	0.021	ppbv		0.88	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.97	0.20	0.018	ppbv		3.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.038	0.040	0.019	ppbv	J	0.20	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.88	0.20	0.021	ppbv		4.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.045	ppbv	J	0.48	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.023	ppbv	J	0.48	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-1
Lab Sample ID: JA45062-11 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A847 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27075.D	1	05/03/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.1	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.1	0.20	0.021	ppbv		3.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.49	0.20	0.061	ppbv		1.7	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.66	0.20	0.024	ppbv		3.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-1
Lab Sample ID: JA45062-11 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A847 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	16.8	0.50	0.077	ppbv		31.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.019	ppbv		1.0	0.87	ug/m3
141-78-6	88	Ethyl Acetate	3.0	0.20	0.051	ppbv		11	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.69	0.20	0.026	ppbv		2.8	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.4	0.20	0.019	ppbv		4.9	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.5	0.20	0.035	ppbv		3.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.53	0.50	0.061	ppbv		0.91	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.30	0.20	0.021	ppbv		1.5	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.10	0.20	0.026	ppbv	J	0.49	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.27	0.20	0.020	ppbv		1.3	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.085	0.040	0.021	ppbv		0.58	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.6	0.20	0.018	ppbv		6.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.051	0.040	0.019	ppbv		0.27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.76	0.20	0.021	ppbv		4.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.90	0.20	0.045	ppbv		3.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.25	0.20	0.023	ppbv		1.1	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.023	ppbv		4.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-2
Lab Sample ID: JA45062-12 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A343 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27076.D	1	05/04/10	YXC	n/a	n/a	V2W1140
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.4	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.1	0.20	0.021	ppbv		3.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.51	0.20	0.061	ppbv		1.8	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.59	0.20	0.024	ppbv		2.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-2
Lab Sample ID: JA45062-12
Matrix: AIR - Air Summa ID: A343
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	16.2	0.50	0.077	ppbv		30.5	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.25	0.20	0.019	ppbv		1.1	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.051	ppbv		4.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.043	ppbv	J	0.54	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.76	0.20	0.026	ppbv		3.1	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.5	0.20	0.019	ppbv		5.3	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.20	0.035	ppbv		3.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.40	0.50	0.061	ppbv	J	0.69	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.40	0.20	0.021	ppbv		2.0	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.11	0.20	0.026	ppbv	J	0.54	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.29	0.20	0.020	ppbv		1.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.095	0.040	0.021	ppbv		0.64	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.5	0.20	0.018	ppbv		5.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.053	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.65	0.20	0.021	ppbv		3.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.045	ppbv		4.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.29	0.20	0.023	ppbv		1.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.023	ppbv		5.6	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-3
Lab Sample ID: JA45062-13
Matrix: AIR - Air Summa ID: A844
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27094.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.039	ppbv		9.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.40	0.20	0.021	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.17	0.20	0.061	ppbv	J	0.59	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.69	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-3
Lab Sample ID: JA45062-13 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A844 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	10.6	0.50	0.077	ppbv		20.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.20	0.019	ppbv	J	0.56	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.051	ppbv		6.1	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.22	0.20	0.026	ppbv		0.90	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.50	0.20	0.019	ppbv		1.8	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.2	0.20	0.035	ppbv		5.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.025	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.35	0.20	0.039	ppbv		1.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.39	0.50	0.061	ppbv	J	0.67	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.021	ppbv	J	0.74	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.040	0.021	ppbv		0.75	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.71	0.20	0.018	ppbv		2.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.052	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.87	0.20	0.021	ppbv		4.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.43	0.20	0.045	ppbv		1.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.023	ppbv	J	0.56	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.56	0.20	0.023	ppbv		2.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-4
Lab Sample ID: JA45062-14 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A166 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27096.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.1	0.20	0.039	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.44	0.20	0.021	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.68	0.20	0.047	ppbv		1.4	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.20	0.022	ppbv	J	0.88	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.19	0.20	0.061	ppbv	J	0.65	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.80	0.20	0.024	ppbv		4.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-4
Lab Sample ID: JA45062-14
Matrix: AIR - Air Summa ID: A166
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	10.6	0.50	0.077	ppbv		20.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.18	0.20	0.019	ppbv	J	0.78	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.6	0.20	0.051	ppbv		5.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.25	0.20	0.026	ppbv		1.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.58	0.20	0.019	ppbv		2.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.3	0.20	0.035	ppbv		5.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.20	0.025	ppbv		1.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.44	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.018	ppbv	J	0.47	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.021	ppbv	J	0.74	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.020	ppbv	J	0.51	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.14	0.040	0.021	ppbv		0.95	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.3	0.20	0.018	ppbv		4.9	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.042	0.040	0.019	ppbv		0.23	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.1	0.20	0.021	ppbv		6.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.61	0.20	0.045	ppbv		2.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.17	0.20	0.023	ppbv	J	0.74	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.79	0.20	0.023	ppbv		3.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-5
Lab Sample ID: JA45062-15 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A659 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27097.D	1	05/04/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.8	0.20	0.039	ppbv		9.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.70	0.20	0.024	ppbv		3.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-5
Lab Sample ID: JA45062-15 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A659 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.2	0.50	0.077	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.051	ppbv		4.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.019	ppbv	J	0.46	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.2	0.20	0.035	ppbv		5.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.33	0.20	0.025	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.33	0.20	0.039	ppbv		0.97	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.36	0.50	0.061	ppbv	J	0.62	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.46	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.050	0.040	0.019	ppbv		0.27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.82	0.20	0.021	ppbv		4.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.20	0.20	0.045	ppbv		0.87	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.20	0.20	0.023	ppbv		0.87	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-6
Lab Sample ID: JA45062-16 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A194 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27098.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.4	0.20	0.039	ppbv		5.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.61	0.20	0.024	ppbv		3.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-6
Lab Sample ID: JA45062-16 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A194 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.0	0.50	0.077	ppbv		3.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.051	ppbv		4.0	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.019	ppbv	J	0.42	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.36	0.50	0.061	ppbv	J	0.62	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.040	0.021	ppbv		1.3	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.41	0.20	0.018	ppbv		1.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.45	0.20	0.021	ppbv		2.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.10	0.20	0.045	ppbv	J	0.43	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.10	0.20	0.023	ppbv	J	0.43	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-7
Lab Sample ID: JA45062-17 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A857 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27099.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.3	0.20	0.039	ppbv		17	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.021	ppbv	J	0.38	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-7
Lab Sample ID: JA45062-17
Matrix: AIR - Air Summa ID: A857
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	5.8	0.50	0.077	ppbv		11	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	17.3	0.20	0.051	ppbv		62.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.098	0.20	0.022	ppbv	J	0.75	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.20	0.039	ppbv		4.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.045	ppbv	J	0.49	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.29	0.50	0.061	ppbv	J	0.50	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.021	ppbv	J	0.54	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.14	0.20	0.023	ppbv	J	0.42	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.21	0.040	0.021	ppbv		1.4	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.36	0.20	0.018	ppbv		1.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.41	0.20	0.021	ppbv		2.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.15	0.20	0.045	ppbv	J	0.65	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.15	0.20	0.023	ppbv	J	0.65	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-8
Lab Sample ID: JA45062-18 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A855 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27100.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.3	0.20	0.039	ppbv		7.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.021	ppbv	J	0.35	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	0.022	ppbv	J	0.69	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.63	0.20	0.024	ppbv		3.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-8
Lab Sample ID: JA45062-18
Matrix: AIR - Air Summa ID: A855
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	3.2	0.50	0.077	ppbv		6.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.65	0.20	0.051	ppbv		2.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.25	0.20	0.019	ppbv		0.88	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.68	0.20	0.035	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.89	0.20	0.025	ppbv		3.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.039	ppbv		0.71	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.22	0.50	0.061	ppbv	J	0.38	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.25	0.040	0.021	ppbv		1.7	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.018	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.045	0.040	0.019	ppbv		0.24	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.72	0.20	0.021	ppbv		4.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.045	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.023	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-9
Lab Sample ID: JA45062-19 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A374 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27102.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.6	0.20	0.039	ppbv		8.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-9
Lab Sample ID: JA45062-19 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A374 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.0	0.50	0.077	ppbv		3.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.019	ppbv	J	0.61	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.50	0.20	0.051	ppbv		1.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.098	0.20	0.022	ppbv	J	0.75	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.097	0.20	0.019	ppbv	J	0.34	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.34	0.20	0.035	ppbv		0.84	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.039	ppbv		0.71	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.24	0.50	0.061	ppbv	J	0.41	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.26	0.20	0.018	ppbv		0.98	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.53	0.20	0.021	ppbv		3.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.42	0.20	0.045	ppbv		1.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.54	0.20	0.023	ppbv		2.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-10
Lab Sample ID: JA45062-20 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A463 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27103.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.3	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.20	0.022	ppbv	J	0.75	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.4	0.20	0.024	ppbv		6.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-10
Lab Sample ID: JA45062-20 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A463 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	67.6	0.50	0.077	ppbv	E	127	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	5.5	0.20	0.051	ppbv		20	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.1	0.20	0.035	ppbv		10	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.30	0.50	0.061	ppbv	J	0.52	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.040	0.021	ppbv		0.75	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.26	0.20	0.018	ppbv		0.98	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.083	0.040	0.019	ppbv		0.45	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.021	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.39	0.20	0.046	ppbv		1.4	0.70	ug/m3
	106.2	m,p-Xylene	0.10	0.20	0.045	ppbv	J	0.43	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.10	0.20	0.023	ppbv	J	0.43	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-11
Lab Sample ID: JA45062-21 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A898 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27104.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.4	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.028	ppbv	J	0.83	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.14	0.20	0.022	ppbv	J	0.88	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.83	0.20	0.024	ppbv		4.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.47	0.20	0.028	ppbv		1.9	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-11
Lab Sample ID: JA45062-21 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A898 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.0	0.50	0.077	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.099	0.20	0.019	ppbv	J	0.43	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.9	0.20	0.051	ppbv		10	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.019	ppbv	J	0.63	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.0	0.20	0.035	ppbv		4.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.025	ppbv		0.73	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.47	0.20	0.039	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.39	0.50	0.061	ppbv	J	0.67	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.040	0.021	ppbv		6.8	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.23	0.20	0.032	ppbv		0.68	0.59	ug/m3
108-88-3	92.14	Toluene	0.45	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.86	0.040	0.019	ppbv		4.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.68	0.20	0.021	ppbv		3.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.31	0.20	0.045	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.31	0.20	0.023	ppbv		1.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-12
Lab Sample ID: JA45062-22 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A832 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27105.D	1	05/05/10	YXC	n/a	n/a	V2W1141
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.6	0.20	0.039	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.021	ppbv	J	0.54	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.19	0.20	0.034	ppbv	J	0.59	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.62	0.20	0.028	ppbv		3.0	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.80	0.20	0.024	ppbv		4.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-12
Lab Sample ID: JA45062-22 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A832 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	11.5	0.50	0.077	ppbv		21.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.15	0.20	0.019	ppbv	J	0.65	0.87	ug/m3
141-78-6	88	Ethyl Acetate	3.2	0.20	0.051	ppbv		12	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.27	0.20	0.019	ppbv		0.95	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.1	0.20	0.035	ppbv		5.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.82	0.20	0.039	ppbv		2.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.47	0.50	0.061	ppbv	J	0.81	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.33	0.040	0.021	ppbv		2.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.98	0.20	0.032	ppbv		2.9	0.59	ug/m3
108-88-3	92.14	Toluene	0.70	0.20	0.018	ppbv		2.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.053	0.040	0.019	ppbv		0.28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.76	0.20	0.021	ppbv		4.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.45	0.20	0.045	ppbv		2.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.57	0.20	0.023	ppbv		2.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-12DUP
Lab Sample ID: JA45062-23 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A877 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27123.D	1	05/05/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.6	0.20	0.039	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.32	0.20	0.021	ppbv		1.0	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.71	0.20	0.028	ppbv		3.5	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.047	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.15	0.20	0.022	ppbv	J	0.94	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.88	0.20	0.024	ppbv		4.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.27	0.20	0.035	ppbv		1.1	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	3.4	0.20	0.028	ppbv		13	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.15	0.20	0.032	ppbv	J	0.90	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-12DUP
Lab Sample ID: JA45062-23 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A877 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	13.2	0.50	0.077	ppbv		24.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.019	ppbv	J	0.83	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.3	0.20	0.051	ppbv		4.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.13	0.20	0.022	ppbv	J	1.0	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.15	0.20	0.026	ppbv	J	0.61	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.30	0.20	0.019	ppbv		1.1	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.4	0.20	0.035	ppbv		8.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.87	0.20	0.039	ppbv		2.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.53	0.50	0.061	ppbv		0.91	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	6.2	0.040	0.021	ppbv		42	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.1	0.20	0.032	ppbv		3.2	0.59	ug/m3
108-88-3	92.14	Toluene	0.80	0.20	0.018	ppbv		3.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	5.8	0.040	0.019	ppbv		31	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.93	0.20	0.021	ppbv		5.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.55	0.20	0.045	ppbv		2.4	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.20	0.023	ppbv	J	0.56	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.68	0.20	0.023	ppbv		3.0	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-13
Lab Sample ID: JA45062-24 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A853 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27124.D	1.48	05/05/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	592 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.2	0.20	0.039	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.021	ppbv	J	0.38	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.047	ppbv		0.99	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.85	0.20	0.024	ppbv		4.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-13
Lab Sample ID: JA45062-24 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A853 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.3	0.50	0.077	ppbv		18	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.019	ppbv	J	0.83	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.20	0.051	ppbv		6.1	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.11	0.20	0.022	ppbv	J	0.84	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.15	0.20	0.019	ppbv	J	0.53	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.2	0.20	0.035	ppbv		7.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.025	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.27	0.50	0.061	ppbv	J	0.46	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.23	0.20	0.025	ppbv		1.3	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.040	0.021	ppbv		1.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.22	0.20	0.032	ppbv		0.65	0.59	ug/m3
108-88-3	92.14	Toluene	0.49	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.86	0.20	0.021	ppbv		4.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.45	0.20	0.045	ppbv		2.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.12	0.20	0.023	ppbv	J	0.52	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.56	0.20	0.023	ppbv		2.4	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-14
Lab Sample ID: JA45062-25 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A238 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27125.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.9	0.20	0.039	ppbv		9.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.021	ppbv	J	0.35	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.93	0.20	0.024	ppbv		4.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-14
Lab Sample ID: JA45062-25
Matrix: AIR - Air Summa ID: A238
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	5.2	0.50	0.077	ppbv		9.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.13	0.20	0.019	ppbv	J	0.56	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.93	0.20	0.051	ppbv		3.3	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.10	0.20	0.022	ppbv	J	0.77	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.95	0.20	0.035	ppbv		2.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.025	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.91	0.20	0.039	ppbv		2.7	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.20	0.50	0.061	ppbv	J	0.34	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.12	0.20	0.023	ppbv	J	0.36	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.068	0.040	0.021	ppbv		0.46	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.32	0.20	0.018	ppbv		1.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.30	0.040	0.019	ppbv		1.6	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.68	0.20	0.021	ppbv		3.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.34	0.20	0.045	ppbv		1.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.34	0.20	0.023	ppbv		1.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-15
Lab Sample ID: JA45062-26 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A848 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27126.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.0	0.20	0.039	ppbv		17	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.021	ppbv	J	0.42	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.75	0.20	0.047	ppbv		1.5	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.18	0.20	0.022	ppbv	J	1.1	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.93	0.20	0.024	ppbv		4.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-15
Lab Sample ID: JA45062-26
Matrix: AIR - Air Summa ID: A848
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/25/10
Date Received: 04/26/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	2.7	0.50	0.077	ppbv		5.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	32.9	0.20	0.051	ppbv		118	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.022	ppbv	J	0.92	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.85	0.20	0.035	ppbv		2.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.53	0.20	0.039	ppbv		1.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.21	0.50	0.061	ppbv	J	0.36	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.043	0.040	0.021	ppbv		0.29	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.018	ppbv		0.75	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.66	0.20	0.021	ppbv		3.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	0.76	0.20	0.046	ppbv		2.7	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 15IA-AMBIENT
Lab Sample ID: JA45062-27 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A828 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W27127.D	1	05/06/10	YXC	n/a	n/a	V2W1143
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.039	ppbv		6.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.13	0.20	0.022	ppbv	J	0.82	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.75	0.20	0.024	ppbv		3.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 15IA-AMBIENT
Lab Sample ID: JA45062-27 **Date Sampled:** 04/25/10
Matrix: AIR - Air Summa ID: A828 **Date Received:** 04/26/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.4	0.50	0.077	ppbv		2.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.77	0.20	0.051	ppbv		2.8	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	0.15	0.50	0.061	ppbv	J	0.26	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.48	0.20	0.021	ppbv		2.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2009 MDL Study - Method: TO-15

ACCUTEST Laboratories
www.accutest.com

Air

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #	Bottle Order Control # MV-4113/2010-16
Lab Quote #	Lab Job # JA45062

PAGE 1 OF 4

Client / Reporting Information

Company Name: Shaw	Project Name: FTMM IA
Address: 2113 Emmorton Park	Street:
City: Edgewood State: MD Zip: 21040	City: Fort Monmouth State: NJ
Project Contact: Mark Magness E-mail: Mark.Magness@shawgrp.com	Project #: 137749-02000000
Phone #: (410)612-6357 Fax #:	Client Purchase Order #:
Sampler(s) Name(s): Kevin Gerdes, Jessica Kelly	

Weather Parameters

Temperature (Fahrenheit)
Start: 45 Maximum: 63
Stop: 45 Minimum: 39

Atmoshpheric Pressure (inches of Hg)
Start: 30 Maximum: 30
Stop: 29.6 Minimum: 29.6

Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-1	50IA-1	I	A905	6L	343	4/24/10 KG	0820	28	80	KG	4/25/10	0820	5	80	KG
-2	50IA-2	I	A465		290		0815	30	80	KG		0820	5	80	KG
-3	50IA-3	I	A903		353		0810	30	80	KG	KG	0820	5	80	KG
-4	50IA-4	I	A882		172		0825	29.5	75	KG		0830	7	75	KG
-5	50IA-5	I	A227		193		0830	30	75	KG		0830	5	75	KG
-6	50IA-6	I	A313		187		0835	30	75	KG		0835	7	75	KG
-7	50IA-7	I	A865		256		0840	30	75	KG		0840	5.5	75	KG
-8	50IA-8	I	A886		105		0850	29	75	KG		0850	5	75	KG
-9	50IA-9	I	A356		385		0845	29.5	75	KG		0845	4.5	75	KG
-10	50IA-10 Ambient	A	A769	V	068	V	0855	29	50	KG	V	0855	7.5	45	KG

Turnaround Time (Business Days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	X
Other:	

Comments / Remarks

Alt Contact:
Michelle Lobsiger 973.770.5313
FAX 973.770.5315
michelle.lobsiger@shawgrp.com
SUMMA

Note: Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: 4/27/10	Received by: 1	Relinquished by: 2	Date Time: 4/22/10	Received by: 2 4-26-10 1500
Relinquished by: 3 15:00	Date Time: 4/26/10	Received by: 3 4-26-10 1500	Relinquished by: 4 4-26-10	Date Time: 1645	Received by: 4
Relinquished by: 5	Date Time:	Received by: 5	Custody Seal #		

AAA

JA45062: Chain of Custody
Page 1 of 4

ACCUTEST Laboratories
www.accutest.com

AIR

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #	Bottle Order Control #	PAGE 2 OF 4
	MV-4/13/2010-16	
Lab Quote #	Lab Job # JA45062	

Client / Reporting Information

Company Name: Shaw	Project Name: FTMM IA
Address: 2113 Emmorton Park	Street:
City: Edgewood State: MD Zip: 21040	City: Fort Monmouth State: NJ
Project Contact: Mark Magness E-mail: mark.magness@shawgrp.com	Project #: 137749-02000000
Phone #: (410) 612-6357 Fax #	Client Purchase Order #
Sampler(s) Name(s): Kevin Gerdes & Jessica Kelly	

Weather Parameters

Temperature (Fahrenheit): Start: 45 Maximum: 63 Stop: 45 Minimum: 39
Atmospheric Pressure (inches of Hg): Start: 30 Maximum: 30 Stop: 29.6 Minimum: 29.6
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-11	15IA-1	I	A847	6L	384	4/24/10	0935	30	70	KG	4/25/10	1005	3.5	70	KG
-12	15IA-2	I	A343	"	144	"	0930	30	70	KG	"	1005	3.5	70	KG
-13	15IA-3	I	A844	"	308	"	0945	30	70	KG	"	1010	4.5	70	KG
-14	15IA-4	I	A166	"	113	"	0955	30	70	KG	"	1015	4	70	KG
-15	15IA-5	I	A659	"	104	"	1025	30	70	KG	"	1035	6	70	KG
-16	15IA-6	I	A194	"	133	"	1000	29	70	KG	"	1020	0.5	70	KG
-17	15IA-7	I	A857	"	274	"	1005	30	70	KG	"	1020	3	70	KG
-18	15IA-8	I	A855	"	363	"	1010	30	70	KG	"	1020	5	70	KG
-19	15IA-9	I	A374	"	417	"	1015	30	70	KG	"	1025	2.5	70	KG
-20	15IA-10	I	A463	"	327	"	1020	30	70	KG	"	1030	5	70	KG

Turnaround Time (Business Days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: _____
Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	X
Other:	

Comments / Remarks

Alt Contact:
Michelle Lobsiger 973.770.5313
FAX 973.770.5315
michelle.lobsiger@shawgrp.com

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: Laboratory	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1	4/21/10	1	2	4/22/10	2
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
3 1500	4/24/10	3 4-26-10 1500	4 4-26-10	1645	4
Relinquished by:	Date Time:	Received by:	Custody Seal #		
5		5			

4.1 4

JA45062: Chain of Custody
Page 2 of 4

ACCUTEST Laboratories
www.accutest.com

AIR

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #	Bottle Order Control # MV-4/13/2010-16	PAGE 3 OF 4
Lab Quote #	Lab Job # JA45062	

Client / Reporting Information

Company Name: Shaw	Project Name: FTMM IA
Address: 2113 Emmorton Park	Street:
City: Edgewood State: MD Zip: 21040	City: Fort Monmouth State: NJ
Project Contact: Mark Magness E-mail: mark.magness@shawgrp.com	Project #: 137749-02000000
Phone #: (410)612-6357 Fax #:	Client Purchase Order #:
Sampler(s) Name(s): Kevin Gerdes, Jessica Kelly	

Weather Parameters

Temperature (Fahrenheit): Start: 45 Maximum: 63 Stop: 45 Minimum: 39
Atmospheric Pressure (inches of Hg): Start: 30 Maximum: 30 Stop: 29.6 Minimum: 29.6
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-21	15IA-11	I	A898	6L	281	4/24/10	1030	30	70	KG	4/25/10	1035	0.5	70	KG
-22	15IA-12	I	A832		194		1035	30	70	KG		1040	0	70	KG
-23	15IA-12 DUP	I	A877		070		1035	30	70	KG		1040	0	70	KG
-24	15IA-13	I	A853		107		1050	30	70	KG		1045 (1040)	11	70	KG
-25	15IA-14	I	A238		141		1055	30	70	KG		1055	6.5	70	KG
-26	15IA-15	I	A848		131		1100	23	70	KG		1100	4	70	KG
-27	15IA-Ambient	A	A898		095		1115	30	55	KG		1105	7	50	KG

Turnaround Time (Business Days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	X
Other:	

Comments / Remarks

Alt Contact!
Michelle Lobsiger 973.770.5313
FAX 973.770.5315
michelle.lobsiger@shawgrp.com

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1	4/21/10	1	2	4/22/10	2
Relinquished by: 3	Date Time: 4/24/10 1500	Received by: 3 4-26-10 1500	Relinquished by: 4 4-26-10	Date Time: 1645	Received by: 4
Relinquished by: 5	Date Time:	Received by: 5	Custody Seal #		

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA45062 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 4/26/2010 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 0 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA45062: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/26/10

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A905	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-1	04/27/10	TVW	5			1
A465	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-2	04/27/10	TVW	5			1
A903	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-3	04/27/10	TVW	3.5			1
A882	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-4	04/27/10	TVW	6.5			1
A227	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-5	04/27/10	TVW	4.5			1
A313	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-6	04/27/10	TVW	6.5			1
A865	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-7	04/27/10	TVW	4.5			1
A886	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-8	04/27/10	TVW	0			1
A356	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-9	04/27/10	TVW	4.5			1
A769	6	29.4	04/21/10	TVW	CP4024	3W16357.D	JA45062-10	04/27/10	TVW	7			1
A847	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45062-11	04/27/10	TVW	2.5			1
A343	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45062-12	04/27/10	TVW	2.5			1
A844	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45062-13	04/27/10	TVW	4			1
A166	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45062-14	04/27/10	TVW	3			1
A659	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-15	04/27/10	TVW	4			1
A194	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-16	04/27/10	TVW	0			1
A857	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45062-17	04/27/10	TVW	2			1
A855	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-18	04/27/10	TVW	3			1
A374	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-19	04/27/10	TVW	3			1
A463	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-20	04/27/10	TVW	3			1
A898	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-21	04/27/10	TVW	0			1
A832	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-22	04/27/10	TVW	0			1
A877	6	29.4	04/21/10	TVW	CP4020	3W16314A.D	JA45062-23	04/27/10	TVW	0			1
A853	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-24	04/27/10	TVW	8		1.2	1.48
A238	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-25	04/27/10	TVW	5.5			1
A848	6	29.4	04/21/10	TVW	CP4016	2W26782A.D	JA45062-26	04/27/10	TVW	5			1
A828	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45062-27	04/27/10	TVW	4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
FC068	04/21/10	TVW	3.4	24	04/28/10	TVW	3
FC070	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC095	04/21/10	TVW	3.4	24	04/28/10	TVW	3.3
FC104	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC105	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC107	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC113	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6
FC131	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4

Summa Canister and Flow Controller Log

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/26/10

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
FC133	04/21/10	TVW	3.4	24	04/28/10	TVW	4
FC141	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6
FC144	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6
FC172	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC187	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC193	04/21/10	TVW	3.4	24	04/28/10	TVW	3.7
FC194	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC256	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC274	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6
FC281	04/21/10	TVW	3.4	24	04/28/10	TVW	4
FC290	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC308	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC327	04/21/10	TVW	3.4	24	04/28/10	TVW	3.7
FC343	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC353	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC363	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC384	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6
FC385	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC417	04/21/10	TVW	3.4	24	04/28/10	TVW	3.6

Accutest Bottle Order(s):
MV-3/31/2010-11

Prep Date	Room Temp(F)	Bar Pres "Hg
04/21/10	68.9	29.68

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45062-1 50IA-1	Collected: 25-APR-10 08:20 By: KG		Received: 26-APR-10		By: ANM	
JA45062-1	TO-15	03-MAY-10 14:31	YXC			VTO15STD
JA45062-2 50IA-2	Collected: 25-APR-10 08:20 By: KG		Received: 26-APR-10		By: ANM	
JA45062-2	TO-15	04-MAY-10 06:57	YXC			VTO15STD
JA45062-3 50IA-3	Collected: 25-APR-10 08:20 By: KG		Received: 26-APR-10		By: ANM	
JA45062-3	TO-15	04-MAY-10 18:48	YXC			VTO15STD
JA45062-4 50IA-4	Collected: 25-APR-10 08:30 By: KG		Received: 26-APR-10		By: ANM	
JA45062-4	TO-15	04-MAY-10 19:31	YXC			VTO15STD
JA45062-5 50IA-5	Collected: 25-APR-10 08:30 By: KG		Received: 26-APR-10		By: ANM	
JA45062-5	TO-15	04-MAY-10 20:14	YXC			VTO15STD
JA45062-6 50IA-6	Collected: 25-APR-10 08:35 By: KG		Received: 26-APR-10		By: ANM	
JA45062-6	TO-15	03-MAY-10 19:31	YXC			VTO15STD
JA45062-7 50IA-7	Collected: 25-APR-10 08:40 By: KG		Received: 26-APR-10		By: ANM	
JA45062-7	TO-15	03-MAY-10 20:14	YXC			VTO15STD
JA45062-8 50IA-8	Collected: 25-APR-10 08:50 By: KG		Received: 26-APR-10		By: ANM	
JA45062-8	TO-15	03-MAY-10 20:57	YXC			VTO15STD

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45062-9	Collected: 25-APR-10 08:45 By: KG		Received: 26-APR-10		By: ANM	
50IA-9						
JA45062-9	TO-15	03-MAY-10 21:40	YXC			VTO15STD
JA45062-10	Collected: 25-APR-10 08:55 By: KG		Received: 26-APR-10		By: ANM	
50IA-10 AMBIENT						
JA45062-10	TO-15	05-MAY-10 02:40	YXC			VTO15STD
JA45062-11	Collected: 25-APR-10 10:05 By: KG		Received: 26-APR-10		By: ANM	
15IA-1						
JA45062-11	TO-15	03-MAY-10 23:48	YXC			VTO15STD
JA45062-12	Collected: 25-APR-10 10:05 By: KG		Received: 26-APR-10		By: ANM	
15IA-2						
JA45062-12	TO-15	04-MAY-10 00:31	YXC			VTO15STD
JA45062-13	Collected: 25-APR-10 10:10 By: KG		Received: 26-APR-10		By: ANM	
15IA-3						
JA45062-13	TO-15	04-MAY-10 20:57	YXC			VTO15STD
JA45062-14	Collected: 25-APR-10 10:15 By: KG		Received: 26-APR-10		By: ANM	
15IA-4						
JA45062-14	TO-15	04-MAY-10 22:23	YXC			VTO15STD
JA45062-15	Collected: 25-APR-10 10:35 By: KG		Received: 26-APR-10		By: ANM	
15IA-5						
JA45062-15	TO-15	04-MAY-10 23:06	YXC			VTO15STD
JA45062-16	Collected: 25-APR-10 10:20 By: KG		Received: 26-APR-10		By: ANM	
15IA-6						
JA45062-16	TO-15	05-MAY-10 00:32	YXC			VTO15STD

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45062-17	Collected: 25-APR-10 10:20 By: KG		Received: 26-APR-10 By: ANM			
15IA-7						
JA45062-17	TO-15	05-MAY-10 01:15	YXC			VTO15STD
JA45062-18	Collected: 25-APR-10 10:20 By: KG		Received: 26-APR-10 By: ANM			
15IA-8						
JA45062-18	TO-15	05-MAY-10 01:57	YXC			VTO15STD
JA45062-19	Collected: 25-APR-10 10:25 By: KG		Received: 26-APR-10 By: ANM			
15IA-9						
JA45062-19	TO-15	05-MAY-10 03:23	YXC			VTO15STD
JA45062-20	Collected: 25-APR-10 10:30 By: KG		Received: 26-APR-10 By: ANM			
15IA-10						
JA45062-20	TO-15	05-MAY-10 04:06	YXC			VTO15STD
JA45062-21	Collected: 25-APR-10 10:35 By: KG		Received: 26-APR-10 By: ANM			
15IA-11						
JA45062-21	TO-15	05-MAY-10 04:50	YXC			VTO15STD
JA45062-22	Collected: 25-APR-10 10:40 By: KG		Received: 26-APR-10 By: ANM			
15IA-12						
JA45062-22	TO-15	05-MAY-10 05:33	YXC			VTO15STD
JA45062-23	Collected: 25-APR-10 10:40 By: KG		Received: 26-APR-10 By: ANM			
15IA-12DUP						
JA45062-23	TO-15	05-MAY-10 22:42	YXC			VTO15STD
JA45062-24	Collected: 25-APR-10 10:45 By: KG		Received: 26-APR-10 By: ANM			
15IA-13						
JA45062-24	TO-15	05-MAY-10 23:25	YXC			VTO15STD

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45062

Fort Monmouth, Phase II ECP, NJ
Project No: 137749-02000000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45062-25	Collected: 25-APR-10 10:55 By: KG			Received: 26-APR-10	By:	ANM
15IA-14						
JA45062-25	TO-15	06-MAY-10 00:08	YXC			VTO15STD
JA45062-26	Collected: 25-APR-10 11:00 By: KG			Received: 26-APR-10	By:	ANM
15IA-15						
JA45062-26	TO-15	06-MAY-10 00:51	YXC			VTO15STD
JA45062-27	Collected: 25-APR-10 11:05 By: KG			Received: 26-APR-10	By:	ANM
15IA-AMBIENT						
JA45062-27	TO-15	06-MAY-10 01:33	YXC			VTO15STD

Accutest Internal Chain of Custody

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/26/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA45062-1.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-2.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-3.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-4.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-5.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-6.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-7.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-8.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-9.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-10.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-11.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-12.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-13.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-14.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-15.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-16.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-17.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-18.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-19.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-20.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-21.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-22.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/26/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA45062-23.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-24.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-25.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-26.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage
JA45062-27.1	Andrew N. Marcelino	Air Storage	04/26/10 17:15	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Acetone	7-Jan-09	0.2	0.19	0.22	0.22	0.23	0.22	0.23	0.23	0.22	109.66	0.013	0.039	5.10
1,3-Butadiene	6-Jan-09	0.1	0.13	0.11	0.13	0.11	0.11	0.10	0.13	0.12	117.04	0.012	0.036	2.76
Benzene	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.14	0.12	0.13	126.30	0.007	0.021	4.71
Bromodichloromethane	8-Jan-09	0.1	0.12	0.14	0.13	0.13	0.13	0.15	0.14	0.13	133.02	0.009	0.028	3.56
Bromoform	8-Jan-09	0.1	0.09	0.11	0.09	0.09	0.09	0.11	0.10	0.10	97.32	0.007	0.022	4.55
Bromomethane	6-Jan-09	0.1	0.11	0.11	0.12	0.09	0.11	0.10	0.11	0.11	106.15	0.008	0.024	4.15
Bromoethene	8-Jan-09	0.1	0.13	0.12	0.12	0.12	0.12	0.14	0.12	0.12	124.56	0.006	0.018	5.47
n-Butane	8-Jan-09	0.1	0.17	0.17	0.18	0.15	0.18	0.20	0.18	0.18	177.33	0.014	0.044	2.26
Benzyl Chloride	20-Jan-09	0.1	0.08	0.07	0.07	0.09	0.08	0.07	0.06	0.07	74.18	0.011	0.033	3.01
Carbon disulfide	8-Jan-09	0.1	0.14	0.14	0.14	0.14	0.13	0.16	0.15	0.14	140.90	0.011	0.034	2.98
Chlorobenzene	8-Jan-09	0.1	0.12	0.13	0.12	0.11	0.11	0.14	0.12	0.12	121.55	0.008	0.026	3.87
Chlorodifluoromethane	20-Jan-09	0.2	0.26	0.29	0.30	0.28	0.28	0.28	0.27	0.28	140.08	0.015	0.046	4.31
Chloroethane	7-Jan-09	0.2	0.20	0.18	0.21	0.19	0.21	0.21	0.22	0.20	101.48	0.013	0.040	4.99
Chloroform	8-Jan-09	0.1	0.13	0.14	0.13	0.13	0.13	0.15	0.14	0.14	135.26	0.009	0.028	3.56
Chloromethane	7-Jan-09	0.2	0.23	0.26	0.24	0.23	0.23	0.22	0.22	0.23	115.86	0.015	0.047	4.26
3-Chloropropene	8-Jan-09	0.2	0.22	0.22	0.21	0.20	0.20	0.19	0.21	0.21	103.25	0.010	0.031	6.52
2-Chlorotoluene	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.09	0.09	0.10	99.70	0.007	0.022	4.59
Carbon tetrachloride	6-Jan-09	0.1	0.11	0.11	0.13	0.12	0.13	0.12	0.12	0.12	121.79	0.007	0.022	4.55
Cyclohexane	20-Jan-09	0.1	0.16	0.13	0.13	0.16	0.12	0.12	0.11	0.13	129.77	0.020	0.061	1.63
1,1-Dichloroethane	20-Jan-09	0.2	0.21	0.23	0.24	0.22	0.22	0.21	0.22	0.22	110.06	0.010	0.032	6.19
1,1-Dichloroethylene	6-Jan-09	0.1	0.11	0.10	0.12	0.13	0.14	0.14	0.13	0.13	126.21	0.014	0.044	2.27
1,2-Dibromoethane	8-Jan-09	0.1	0.11	0.11	0.10	0.10	0.10	0.12	0.11	0.11	106.48	0.007	0.021	4.87
1,2-Dichloroethane	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.15	0.13	0.13	126.69	0.012	0.036	2.77
1,2-Dichloropropane	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.14	0.13	0.13	126.40	0.009	0.029	3.50
1,4-Dioxane	20-Jan-09	0.2	0.14	0.18	0.18	0.14	0.14	0.14	0.13	0.15	75.37	0.020	0.063	3.19
Dichlorodifluoromethane	6-Jan-09	0.1	0.12	0.11	0.13	0.12	0.13	0.13	0.13	0.12	124.25	0.008	0.024	4.20
Dibromochloromethane	20-Jan-09	0.2	0.25	0.26	0.28	0.26	0.25	0.26	0.25	0.26	129.69	0.011	0.034	5.81
trans-1,2-Dichloroethylene	7-Jan-09	0.2	0.21	0.22	0.20	0.19	0.20	0.20	0.18	0.20	99.11	0.011	0.035	5.72
cis-1,2-Dichloroethylene	6-Jan-09	0.1	0.12	0.10	0.11	0.10	0.11	0.09	0.11	0.10	104.78	0.009	0.028	3.52
cis-1,3-Dichloropropene	8-Jan-09	0.1	0.10	0.10	0.09	0.10	0.09	0.11	0.09	0.10	96.39	0.006	0.019	5.24
m-Dichlorobenzene	20-Jan-09	0.1	0.12	0.11	0.11	0.12	0.12	0.10	0.09	0.11	107.77	0.010	0.032	3.14
o-Dichlorobenzene	20-Jan-09	0.1	0.11	0.09	0.11	0.11	0.11	0.09	0.08	0.10	100.64	0.012	0.037	2.68
p-Dichlorobenzene	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.10	0.08	0.10	100.00	0.010	0.032	3.11
trans-1,3-Dichloropropene	6-Jan-09	0.1	0.09	0.09	0.10	0.08	0.09	0.09	0.08	0.09	89.90	0.005	0.016	6.21
2,3-Dimethylpentane	20-Jan-09	0.1	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11	111.62	0.007	0.023	4.42
2,4-Dimethylpentane	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.10	0.09	0.10	101.62	0.006	0.017	5.76
Ethanol	20-Jan-09	0.1	0.15	0.13	0.12	0.18	0.12	0.11	0.13	0.13	134.32	0.024	0.077	1.31

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	Replicate Spikes R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Ethylbenzene	6-Jan-09	0.1	0.09	0.09	0.09	0.08	0.09	0.08	0.08	0.09	85.93	0.006	0.019	5.17
Ethyl Acetate	20-Jan-09	0.2	0.13	0.15	0.17	0.12	0.15	0.14	0.14	0.14	71.35	0.016	0.051	3.90
4-Ethyltoluene	20-Jan-09	0.1	0.09	0.08	0.08	0.05	0.08	0.05	0.07	0.07	70.12	0.014	0.043	2.31
Freon 113	8-Jan-09	0.1	0.13	0.13	0.13	0.12	0.12	0.14	0.13	0.13	130.43	0.007	0.022	4.57
Freon 114	20-Jan-09	0.2	0.26	0.26	0.28	0.27	0.27	0.26	0.27	0.27	132.89	0.007	0.022	9.15
Freon 123	8-Jan-09	0.1	0.13	0.14	0.13	0.13	0.13	0.15	0.13	0.13	133.73	0.007	0.021	4.81
Freon 152A	20-Jan-09	0.2	0.21	0.24	0.24	0.23	0.23	0.23	0.23	0.23	114.44	0.010	0.031	6.40
Heptane	8-Jan-09	0.1	0.12	0.12	0.11	0.12	0.12	0.14	0.12	0.12	120.32	0.008	0.026	3.92
Hexachlorobutadiene	20-Jan-09	0.1	0.12	0.11	0.12	0.14	0.14	0.12	0.11	0.12	122.75	0.014	0.043	2.33
Hexane	8-Jan-09	0.1	0.13	0.13	0.12	0.13	0.12	0.14	0.13	0.13	126.98	0.006	0.019	5.18
2-Hexanone	7-Jan-09	0.2	0.16	0.16	0.17	0.16	0.14	0.15	0.17	0.16	78.55	0.010	0.030	6.61
Isopropylbenzene	6-Jan-09	0.1	0.08	0.09	0.09	0.08	0.08	0.07	0.08	0.08	81.53	0.006	0.020	5.03
Isopropyl Alcohol	6-Jan-09	0.1	0.14	0.13	0.16	0.15	0.14	0.12	0.13	0.14	139.12	0.011	0.035	2.89
Methylene chloride	8-Jan-09	0.2	0.28	0.29	0.28	0.27	0.27	0.27	0.29	0.28	139.42	0.008	0.025	8.01
Methyl ethyl ketone	20-Jan-09	0.2	0.16	0.16	0.17	0.14	0.14	0.15	0.14	0.15	76.71	0.012	0.039	5.12
Methyl Isobutyl Ketone	20-Jan-09	0.2	0.17	0.18	0.18	0.16	0.15	0.14	0.15	0.16	80.50	0.014	0.045	4.44
Methyl Tert Butyl Ether	6-Jan-09	0.1	0.09	0.10	0.11	0.10	0.10	0.09	0.09	0.10	98.92	0.007	0.022	4.51
Methylmethacrylate	6-Jan-09	0.1	0.07	0.06	0.08	0.06	0.06	0.06	0.06	0.06	64.63	0.006	0.020	5.11
Nonane	6-Jan-09	0.1	0.10	0.10	0.11	0.09	0.09	0.08	0.10	0.10	96.16	0.008	0.027	3.77
Octane	6-Jan-09	0.1	0.11	0.11	0.12	0.09	0.10	0.10	0.11	0.11	105.49	0.007	0.023	4.37
Pentane	8-Jan-09	0.1	0.16	0.18	0.17	0.16	0.16	0.18	0.18	0.17	170.33	0.009	0.028	3.58
Propylene	8-Jan-09	0.2	0.26	0.31	0.29	0.31	0.31	0.32	0.30	0.30	150.29	0.020	0.061	3.26
Styrene	20-Jan-09	0.1	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.08	80.19	0.006	0.018	5.43
1,1,1-Trichloroethane	8-Jan-09	0.1	0.13	0.13	0.13	0.13	0.13	0.15	0.14	0.13	134.31	0.008	0.025	4.07
1,1,2,2-Tetrachloroethane	8-Jan-09	0.1	0.11	0.12	0.11	0.10	0.11	0.12	0.11	0.11	110.60	0.007	0.023	4.41
1,1,2-Trichloroethane	8-Jan-09	0.1	0.11	0.12	0.11	0.11	0.11	0.13	0.12	0.11	113.67	0.007	0.021	4.72
1,2,4-Trichlorobenzene	20-Jan-09	0.2	0.10	0.12	0.14	0.10	0.09	0.09	0.08	0.10	50.11	0.021	0.065	3.06
1,2,4-Trimethylbenzene	20-Jan-09	0.1	0.08	0.07	0.07	0.08	0.08	0.07	0.06	0.07	73.25	0.007	0.021	4.66
1,3,5-Trimethylbenzene	20-Jan-09	0.1	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.09	87.93	0.008	0.026	3.92
2,2,4-Trimethylpentane	20-Jan-09	0.1	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.12	121.11	0.006	0.020	4.94
Tertiary Butyl Alcohol	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.11	0.11	0.09	0.11	105.48	0.007	0.023	4.36
Tetrachloroethylene	6-Jan-09	0.1	0.09	0.10	0.11	0.09	0.10	0.09	0.10	0.10	98.59	0.007	0.021	4.80
Tetrahydrofuran	8-Jan-09	0.2	0.20	0.22	0.20	0.20	0.20	0.19	0.19	0.20	99.85	0.010	0.032	6.29
Toluene	20-Jan-09	0.1	0.12	0.11	0.11	0.12	0.11	0.11	0.10	0.11	110.60	0.006	0.018	5.62
Trichloroethylene	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.13	0.12	0.13	125.45	0.006	0.019	5.42
Trichlorofluoromethane	6-Jan-09	0.1	0.13	0.13	0.14	0.13	0.13	0.14	0.14	0.13	133.51	0.007	0.021	4.71
Vinyl chloride	8-Jan-09	0.1	0.14	0.13	0.14	0.13	0.13	0.15	0.14	0.14	137.70	0.007	0.023	4.35
Vinyl Acetate	20-Jan-09	0.2	0.15	0.16	0.18	0.16	0.13	0.16	0.15	0.15	77.08	0.015	0.046	4.38
m,p-Xylene	6-Jan-09	0.2	0.15	0.16	0.17	0.15	0.14	0.13	0.14	0.15	74.69	0.014	0.045	4.42
o-Xylene	6-Jan-09	0.1	0.07	0.08	0.08	0.07	0.08	0.07	0.07	0.07	74.43	0.007	0.023	4.27

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
TVHC As Equiv Pentane	7-Jan-09	0.2	0.30	0.32	0.36	0.33	0.28	0.33	0.33	0.32	160.72	0.027	0.085	2.37
TVHC As Equiv Heptane	20-Jan-09	0.2	0.23	0.23	0.22	0.23	0.22	0.24	0.22	0.23	114.19	0.009	0.029	6.96

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1140-MB	2W27061.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1140-MB	2W27061.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	72%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1141-MB	2W27089.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1141-MB	2W27089.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1143-MB	2W27114.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1143-MB	2W27114.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-MB	2W26782.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here applies to the following samples: **Method:** TO-15

V2W1126-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-MB	2W26782.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here applies to the following samples: **Method:** TO-15

V2W1126-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-MB	3W16314.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here applies to the following samples: **Method:** TO-15

V3W651-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-MB	3W16314.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here applies to the following samples: **Method:** TO-15

V3W651-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-MB	3W16335.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-MB	3W16335.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-MB	W25993.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-MB	W25993.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-MB	W26020.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-MB	W26020.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1140-BS	2W27059.D	1	05/03/10	YXC	n/a	n/a	V2W1140
V2W1140-BSD	2W27060.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	9.2	92	9.9	99	7	70-130/30
106-99-0	1,3-Butadiene	10	9.7	97	10.3	103	6	70-130/30
71-43-2	Benzene	10	8.8	88	9.6	96	9	70-130/30
75-27-4	Bromodichloromethane	10	8.9	89	9.6	96	8	70-130/30
75-25-2	Bromoform	10	10.1	101	10.6	106	5	70-130/30
74-83-9	Bromomethane	10	10	100	10.5	105	5	70-130/30
593-60-2	Bromoethene	10	10	100	10.7	107	7	70-130/30
100-44-7	Benzyl Chloride	10	9.7	97	10.5	105	8	70-130/30
75-15-0	Carbon disulfide	10	9.2	92	10.0	100	8	70-130/30
108-90-7	Chlorobenzene	10	8.6	86	9.1	91	6	70-130/30
75-00-3	Chloroethane	10	9.9	99	10.5	105	6	70-130/30
67-66-3	Chloroform	10	9.4	94	10.4	104	10	70-130/30
74-87-3	Chloromethane	10	9.4	94	9.8	98	4	70-130/30
107-05-1	3-Chloropropene	10	9.3	93	10.3	103	10	70-130/30
95-49-8	2-Chlorotoluene	10	8.9	89	9.5	95	7	70-130/30
56-23-5	Carbon tetrachloride	10	8.8	88	9.8	98	11	70-130/30
110-82-7	Cyclohexane	10	8.8	88	9.5	95	8	70-130/30
75-34-3	1,1-Dichloroethane	10	8.6	86	9.6	96	11	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.7	87	9.4	94	8	70-130/30
106-93-4	1,2-Dibromoethane	10	9.6	96	10.1	101	5	70-130/30
107-06-2	1,2-Dichloroethane	10	9.7	97	10.7	107	10	70-130/30
78-87-5	1,2-Dichloropropane	10	9.3	93	9.9	99	6	70-130/30
123-91-1	1,4-Dioxane	10	8.8	88	10.4	104	17	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.6	96	10.3	103	7	70-130/30
124-48-1	Dibromochloromethane	10	9.3	93	9.8	98	5	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.9	89	9.9	99	11	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.2	92	10.0	100	8	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.7	97	10.4	104	7	70-130/30
541-73-1	m-Dichlorobenzene	10	9.7	97	10.4	104	7	70-130/30
95-50-1	o-Dichlorobenzene	10	9.1	91	9.7	97	6	70-130/30
106-46-7	p-Dichlorobenzene	10	9.8	98	10.6	106	8	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.0	110	11.6	116	5	70-130/30
64-17-5	Ethanol	10	10.6	106	11.6	116	9	70-130/30
100-41-4	Ethylbenzene	10	8.2	82	8.8	88	7	70-130/30
141-78-6	Ethyl Acetate	10	10.3	103	11.2	112	8	70-130/30
622-96-8	4-Ethyltoluene	10	9.1	91	9.9	99	8	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1140-BS	2W27059.D	1	05/03/10	YXC	n/a	n/a	V2W1140
V2W1140-BSD	2W27060.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	10.2	102	9	70-130/30
76-14-2	Freon 114	10	9.1	91	9.9	99	8	70-130/30
142-82-5	Heptane	10	8.3	83	9.1	91	9	70-130/30
87-68-3	Hexachlorobutadiene	10	9.9	99	11.1	111	11	70-130/30
110-54-3	Hexane	10	8.6	86	9.5	95	10	70-130/30
591-78-6	2-Hexanone	10	10.2	102	11.7	117	14	70-130/30
67-63-0	Isopropyl Alcohol	10	9.7	97	11.0	110	13	70-130/30
75-09-2	Methylene chloride	10	8.8	88	9.6	96	9	70-130/30
78-93-3	Methyl ethyl ketone	10	10.6	106	11.8	118	11	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.7	97	11.0	110	13	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.1	91	10.2	102	11	70-130/30
115-07-1	Propylene	10	9.4	94	10.1	101	7	70-130/30
100-42-5	Styrene	10	10.4	104	11.1	111	7	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.0	90	10	100	11	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	8.5	85	9.4	94	10	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.7	97	10.3	103	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.5	95	10.6	106	11	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	8.9	89	9.8	98	10	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	8.8	88	9.7	97	10	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.0	80	8.7	87	8	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.4	104	12.1	121	15	70-130/30
127-18-4	Tetrachloroethylene	10	8.2	82	8.7	87	6	70-130/30
109-99-9	Tetrahydrofuran	10	10.2	102	11.3	113	10	70-130/30
108-88-3	Toluene	10	9.7	97	10.3	103	6	70-130/30
79-01-6	Trichloroethylene	10	8.7	87	9.3	93	7	70-130/30
75-69-4	Trichlorofluoromethane	10	9.4	94	10.4	104	10	70-130/30
75-01-4	Vinyl chloride	10	9.7	97	10.2	102	5	70-130/30
108-05-4	Vinyl Acetate	10	10.2	102	11.1	111	8	70-130/30
	m,p-Xylene	20	16.7	84	17.8	89	6	70-130/30
95-47-6	o-Xylene	10	8.2	82	8.9	89	8	70-130/30
1330-20-7	Xylenes (total)	30	24.9	83	26.8	89	7	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	110%	110%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1141-BS	2W27087.D	1	05/04/10	YXC	n/a	n/a	V2W1141
V2W1141-BSD	2W27088.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.4	84	9.2	92	9	70-130/30
106-99-0	1,3-Butadiene	10	9.0	90	9.0	90	0	70-130/30
71-43-2	Benzene	10	8.5	85	8.8	88	3	70-130/30
75-27-4	Bromodichloromethane	10	9.3	93	9.6	96	3	70-130/30
75-25-2	Bromoform	10	8.8	88	9.7	97	10	70-130/30
74-83-9	Bromomethane	10	9.5	95	9.8	98	3	70-130/30
593-60-2	Bromoethene	10	9.5	95	9.9	99	4	70-130/30
100-44-7	Benzyl Chloride	10	9.1	91	9.4	94	3	70-130/30
75-15-0	Carbon disulfide	10	9.3	93	9.3	93	0	70-130/30
108-90-7	Chlorobenzene	10	7.8	78	8.6	86	10	70-130/30
75-00-3	Chloroethane	10	9.1	91	9.2	92	1	70-130/30
67-66-3	Chloroform	10	9.7	97	10	100	3	70-130/30
74-87-3	Chloromethane	10	9.2	92	8.5	85	8	70-130/30
107-05-1	3-Chloropropene	10	9.0	90	9.2	92	2	70-130/30
95-49-8	2-Chlorotoluene	10	7.8	78	8.5	85	9	70-130/30
56-23-5	Carbon tetrachloride	10	9.8	98	9.9	99	1	70-130/30
110-82-7	Cyclohexane	10	8.7	87	9.0	90	3	70-130/30
75-34-3	1,1-Dichloroethane	10	9.0	90	9.0	90	0	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.5	85	9.0	90	6	70-130/30
106-93-4	1,2-Dibromoethane	10	8.3	83	9.1	91	9	70-130/30
107-06-2	1,2-Dichloroethane	10	10.6	106	10.9	109	3	70-130/30
78-87-5	1,2-Dichloropropane	10	9.0	90	9.3	93	3	70-130/30
123-91-1	1,4-Dioxane	10	8.4	84	9.1	91	8	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	10.3	103	2	70-130/30
124-48-1	Dibromochloromethane	10	8.5	85	9.3	93	9	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.7	87	8.9	89	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	9.0	90	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.6	96	9.9	99	3	70-130/30
541-73-1	m-Dichlorobenzene	10	8.9	89	9.2	92	3	70-130/30
95-50-1	o-Dichlorobenzene	10	8.3	83	8.5	85	2	70-130/30
106-46-7	p-Dichlorobenzene	10	8.8	88	9.2	92	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.8	108	11.3	113	5	70-130/30
64-17-5	Ethanol	10	9.7	97	9.9	99	2	70-130/30
100-41-4	Ethylbenzene	10	7.8	78	8.4	84	7	70-130/30
141-78-6	Ethyl Acetate	10	9.4	94	9.8	98	4	70-130/30
622-96-8	4-Ethyltoluene	10	8.6	86	9.3	93	8	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1141-BS	2W27087.D	1	05/04/10	YXC	n/a	n/a	V2W1141
V2W1141-BSD	2W27088.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	9.9	99	6	70-130/30
76-14-2	Freon 114	10	9.5	95	9.4	94	1	70-130/30
142-82-5	Heptane	10	8.5	85	8.7	87	2	70-130/30
87-68-3	Hexachlorobutadiene	10	9.5	95	10.3	103	8	70-130/30
110-54-3	Hexane	10	8.5	85	8.5	85	0	70-130/30
591-78-6	2-Hexanone	10	9.1	91	9.8	98	7	70-130/30
67-63-0	Isopropyl Alcohol	10	9.8	98	10.6	106	8	70-130/30
75-09-2	Methylene chloride	10	8.5	85	8.8	88	3	70-130/30
78-93-3	Methyl ethyl ketone	10	9.9	99	10.3	103	4	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.2	102	10.4	104	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.3	93	9.7	97	4	70-130/30
115-07-1	Propylene	10	9.1	91	8.7	87	4	70-130/30
100-42-5	Styrene	10	9.0	90	9.9	99	10	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.8	98	9.9	99	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	7.8	78	8.4	84	7	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.1	91	9.6	96	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.0	80	9.6	96	18	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.0	90	9.0	90	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	8.3	83	9.0	90	8	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.1	81	8.2	82	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.2	112	11.5	115	3	70-130/30
127-18-4	Tetrachloroethylene	10	7.3	73	8.6	86	16	70-130/30
109-99-9	Tetrahydrofuran	10	9.5	95	10	100	5	70-130/30
108-88-3	Toluene	10	9.0	90	9.5	95	5	70-130/30
79-01-6	Trichloroethylene	10	8.5	85	8.9	89	5	70-130/30
75-69-4	Trichlorofluoromethane	10	10.8	108	11.0	110	2	70-130/30
75-01-4	Vinyl chloride	10	9.3	93	9.3	93	0	70-130/30
108-05-4	Vinyl Acetate	10	9.4	94	10.0	100	6	70-130/30
	m,p-Xylene	20	14.8	74	16.1	81	8	70-130/30
95-47-6	o-Xylene	10	7.2	72	7.9	79	9	70-130/30
1330-20-7	Xylenes (total)	30	22.1	74	24.1	80	9	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	113%	112%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1143-BS	2W27112.D	1	05/05/10	YXC	n/a	n/a	V2W1143
V2W1143-BSD	2W27113.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.5	85	8.5	85	0	70-130/30
106-99-0	1,3-Butadiene	10	9.6	96	8.6	86	11	70-130/30
71-43-2	Benzene	10	8.2	82	8.6	86	5	70-130/30
75-27-4	Bromodichloromethane	10	9.8	98	10	100	2	70-130/30
75-25-2	Bromoform	10	9.8	98	10.1	101	3	70-130/30
74-83-9	Bromomethane	10	11.2	112	10.2	102	9	70-130/30
593-60-2	Bromoethene	10	11.0	110	10.6	106	4	70-130/30
100-44-7	Benzyl Chloride	10	9.4	94	9.5	95	1	70-130/30
75-15-0	Carbon disulfide	10	9.1	91	8.9	89	2	70-130/30
108-90-7	Chlorobenzene	10	7.7	77	8.0	80	4	70-130/30
75-00-3	Chloroethane	10	10.2	102	9.4	94	8	70-130/30
67-66-3	Chloroform	10	10.4	104	10.7	107	3	70-130/30
74-87-3	Chloromethane	10	8.8	88	7.7	77	13	70-130/30
107-05-1	3-Chloropropene	10	9.0	90	9.0	90	0	70-130/30
95-49-8	2-Chlorotoluene	10	8.1	81	8.5	85	5	70-130/30
56-23-5	Carbon tetrachloride	10	11.0	110	11.2	112	2	70-130/30
110-82-7	Cyclohexane	10	9.0	90	9.3	93	3	70-130/30
75-34-3	1,1-Dichloroethane	10	9.2	92	9.2	92	0	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.8	88	8.2	82	7	70-130/30
106-93-4	1,2-Dibromoethane	10	8.3	83	8.6	86	4	70-130/30
107-06-2	1,2-Dichloroethane	10	11.8	118	12.4	124	5	70-130/30
78-87-5	1,2-Dichloropropane	10	8.6	86	8.9	89	3	70-130/30
123-91-1	1,4-Dioxane	10	8.3	83	8.2	82	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.6	116	10.6	106	9	70-130/30
124-48-1	Dibromochloromethane	10	8.8	88	9.3	93	6	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.6	86	8.8	88	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	8.9	89	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.6	96	9.8	98	2	70-130/30
541-73-1	m-Dichlorobenzene	10	8.8	88	9.1	91	3	70-130/30
95-50-1	o-Dichlorobenzene	10	8.1	81	8.3	83	2	70-130/30
106-46-7	p-Dichlorobenzene	10	8.8	88	8.9	89	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.1	111	11.5	115	4	70-130/30
64-17-5	Ethanol	10	10.4	104	9.8	98	6	70-130/30
100-41-4	Ethylbenzene	10	8.0	80	8.4	84	5	70-130/30
141-78-6	Ethyl Acetate	10	9.0	90	9.0	90	0	70-130/30
622-96-8	4-Ethyltoluene	10	9.1	91	9.4	94	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1143-BS	2W27112.D	1	05/05/10	YXC	n/a	n/a	V2W1143
V2W1143-BSD	2W27113.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.0	100	10.2	102	2	70-130/30
76-14-2	Freon 114	10	10.3	103	9.2	92	11	70-130/30
142-82-5	Heptane	10	8.6	86	8.9	89	3	70-130/30
87-68-3	Hexachlorobutadiene	10	10.5	105	10.8	108	3	70-130/30
110-54-3	Hexane	10	8.5	85	8.4	84	1	70-130/30
591-78-6	2-Hexanone	10	9.1	91	9.3	93	2	70-130/30
67-63-0	Isopropyl Alcohol	10	10.0	100	9.9	99	1	70-130/30
75-09-2	Methylene chloride	10	8.4	84	8.1	81	4	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.6	96	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.5	105	10.6	106	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.9	99	10	100	1	70-130/30
115-07-1	Propylene	10	8.6	86	7.5	75	14	70-130/30
100-42-5	Styrene	10	9.9	99	9.6	96	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.9	109	10.9	109	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	8.5	85	8.2	82	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.0	90	9.2	92	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.4	94	8.9	89	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	8.9	89	9.2	92	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	8.9	89	9.2	92	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	7.9	79	8.2	82	4	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	12.4	124	11.6	116	7	70-130/30
127-18-4	Tetrachloroethylene	10	7.8	78	8.1	81	4	70-130/30
109-99-9	Tetrahydrofuran	10	9.4	94	9.3	93	1	70-130/30
108-88-3	Toluene	10	8.8	88	9.2	92	4	70-130/30
79-01-6	Trichloroethylene	10	8.7	87	8.9	89	2	70-130/30
75-69-4	Trichlorofluoromethane	10	12.2	122	12.0	120	2	70-130/30
75-01-4	Vinyl chloride	10	10	100	8.8	88	13	70-130/30
108-05-4	Vinyl Acetate	10	9.2	92	9.4	94	2	70-130/30
	m,p-Xylene	20	15.6	78	16.2	81	4	70-130/30
95-47-6	o-Xylene	10	8.2	82	7.9	79	4	70-130/30
1330-20-7	Xylenes (total)	30	23.7	79	24.1	80	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	117%	117%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-BS	2W26780.D	1	04/15/10	YXC	n/a	n/a	V2W1126
V2W1126-BSD	2W26781.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here applies to the following samples: **Method:** TO-15

V2W1126-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	7.9	79	7.6	76	4	70-130/30
106-99-0	1,3-Butadiene	10	9.6	96	9.3	93	3	70-130/30
71-43-2	Benzene	10	8.5	85	8.9	89	5	70-130/30
75-27-4	Bromodichloromethane	10	9.8	98	9.6	96	2	70-130/30
75-25-2	Bromoform	10	12.6	126	12.0	120	5	70-130/30
74-83-9	Bromomethane	10	10.7	107	10.4	104	3	70-130/30
593-60-2	Bromoethene	10	11.6	116	11.4	114	2	70-130/30
100-44-7	Benzyl Chloride	10	10.8	108	9.8	98	10	70-130/30
75-15-0	Carbon disulfide	10	8.6	86	8.4	84	2	70-130/30
108-90-7	Chlorobenzene	10	9.2	92	9.0	90	2	70-130/30
75-00-3	Chloroethane	10	9.9	99	10.4	104	5	70-130/30
67-66-3	Chloroform	10	9.8	98	10.4	104	6	70-130/30
74-87-3	Chloromethane	10	10.0	100	9.6	96	4	70-130/30
107-05-1	3-Chloropropene	10	9.7	97	10.2	102	5	70-130/30
95-49-8	2-Chlorotoluene	10	9.0	90	8.8	88	2	70-130/30
56-23-5	Carbon tetrachloride	10	10.9	109	11.3	113	4	70-130/30
110-82-7	Cyclohexane	10	9.1	91	9.1	91	0	70-130/30
75-34-3	1,1-Dichloroethane	10	8.6	86	9.4	94	9	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.0	90	9.3	93	3	70-130/30
106-93-4	1,2-Dibromoethane	10	10.0	100	9.7	97	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10.4	104	11.3	113	8	70-130/30
78-87-5	1,2-Dichloropropane	10	8.2	82	8.6	86	5	70-130/30
123-91-1	1,4-Dioxane	10	8.7	87	8.4	84	4	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.9	109	10.8	108	1	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.2	102	4	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.4	94	10	100	6	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.5	85	9.1	91	7	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.5	95	9.5	95	0	70-130/30
541-73-1	m-Dichlorobenzene	10	11.3	113	10.9	109	4	70-130/30
95-50-1	o-Dichlorobenzene	10	10.1	101	9.6	96	5	70-130/30
106-46-7	p-Dichlorobenzene	10	10.3	103	9.9	99	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.2	122	12.1	121	1	70-130/30
64-17-5	Ethanol	10	9.5	95	9.0	90	5	70-130/30
100-41-4	Ethylbenzene	10	8.7	87	8.6	86	1	70-130/30
141-78-6	Ethyl Acetate	10	10.0	100	9.8	98	2	70-130/30
622-96-8	4-Ethyltoluene	10	10.7	107	9.8	98	9	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-BS	2W26780.D	1	04/15/10	YXC	n/a	n/a	V2W1126
V2W1126-BSD	2W26781.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here applies to the following samples: **Method:** TO-15

V2W1126-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.7	97	10.4	104	7	70-130/30
76-14-2	Freon 114	10	9.4	94	8.9	89	5	70-130/30
142-82-5	Heptane	10	8.7	87	8.6	86	1	70-130/30
87-68-3	Hexachlorobutadiene	10	14.4	144* [a]	13.9	139* [a]	4	70-130/30
110-54-3	Hexane	10	8.4	84	9.0	90	7	70-130/30
591-78-6	2-Hexanone	10	9.8	98	9.2	92	6	70-130/30
67-63-0	Isopropyl Alcohol	10	11.2	112	10.5	105	6	70-130/30
75-09-2	Methylene chloride	10	8.6	86	9.0	90	5	70-130/30
78-93-3	Methyl ethyl ketone	10	8.7	87	7.7	77	12	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.5	105	10	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	8.9	89	0	70-130/30
115-07-1	Propylene	10	9.4	94	9.9	99	5	70-130/30
100-42-5	Styrene	10	9.9	99	9.7	97	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.8	98	10.3	103	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.3	93	8.8	88	6	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.5	95	9.2	92	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.6	116	11.2	112	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.1	101	9.2	92	9	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.0	100	9.1	91	9	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.5	85	8.4	84	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.5	115	11.4	114	1	70-130/30
127-18-4	Tetrachloroethylene	10	9.0	90	8.7	87	3	70-130/30
109-99-9	Tetrahydrofuran	10	8.8	88	8.6	86	2	70-130/30
108-88-3	Toluene	10	8.8	88	9.0	90	2	70-130/30
79-01-6	Trichloroethylene	10	9.0	90	9.0	90	0	70-130/30
75-69-4	Trichlorofluoromethane	10	11.6	116	11.4	114	2	70-130/30
75-01-4	Vinyl chloride	10	11.7	117	11.0	110	6	70-130/30
108-05-4	Vinyl Acetate	10	8.1	81	8.3	83	2	70-130/30
	m,p-Xylene	20	16.3	82	15.9	80	2	70-130/30
95-47-6	o-Xylene	10	7.8	78	7.6	76	3	70-130/30
1330-20-7	Xylenes (total)	30	24.1	80	23.5	78	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	113%	114%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-BS	2W26780.D	1	04/15/10	YXC	n/a	n/a	V2W1126
V2W1126-BSD	2W26781.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here applies to the following samples: **Method:** TO-15

V2W1126-SCC

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-BS	3W16312.D	1	04/16/10	YMH	n/a	n/a	V3W651
V3W651-BSD	3W16313.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here applies to the following samples: **Method:** TO-15

V3W651-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	9.9	99	9.0	90	10	70-130/30
106-99-0	1,3-Butadiene	10	11.7	117	11.4	114	3	70-130/30
71-43-2	Benzene	10	10.0	100	9.8	98	2	70-130/30
75-27-4	Bromodichloromethane	10	10.8	108	10.6	106	2	70-130/30
75-25-2	Bromoform	10	11.2	112	11.0	110	2	70-130/30
74-83-9	Bromomethane	10	10.6	106	10.2	102	4	70-130/30
593-60-2	Bromoethene	10	10.7	107	10.5	105	2	70-130/30
100-44-7	Benzyl Chloride	10	11.7	117	10.8	108	8	70-130/30
75-15-0	Carbon disulfide	10	10	100	9.9	99	1	70-130/30
108-90-7	Chlorobenzene	10	9.7	97	9.5	95	2	70-130/30
75-00-3	Chloroethane	10	11.0	110	10.5	105	5	70-130/30
67-66-3	Chloroform	10	10.4	104	10.0	100	4	70-130/30
74-87-3	Chloromethane	10	11.0	110	10.7	107	3	70-130/30
107-05-1	3-Chloropropene	10	10.8	108	10.3	103	5	70-130/30
95-49-8	2-Chlorotoluene	10	11.0	110	10.7	107	3	70-130/30
56-23-5	Carbon tetrachloride	10	10.3	103	9.9	99	4	70-130/30
110-82-7	Cyclohexane	10	10.5	105	10.3	103	2	70-130/30
75-34-3	1,1-Dichloroethane	10	10.4	104	9.9	99	5	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.2	102	9.9	99	3	70-130/30
106-93-4	1,2-Dibromoethane	10	10.5	105	10.3	103	2	70-130/30
107-06-2	1,2-Dichloroethane	10	10.9	109	10.3	103	6	70-130/30
78-87-5	1,2-Dichloropropane	10	9.9	99	9.4	94	5	70-130/30
123-91-1	1,4-Dioxane	10	9.5	95	9.6	96	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.0	100	10.1	101	1	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.5	105	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.2	102	9.9	99	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.7	107	10.4	104	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.6	116	11.1	111	4	70-130/30
541-73-1	m-Dichlorobenzene	10	10.8	108	10.2	102	6	70-130/30
95-50-1	o-Dichlorobenzene	10	10.7	107	10	100	7	70-130/30
106-46-7	p-Dichlorobenzene	10	10.6	106	10.0	100	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.7	117	11.1	111	5	70-130/30
64-17-5	Ethanol	10	9.4	94	9.0	90	4	70-130/30
100-41-4	Ethylbenzene	10	10.4	104	10.0	100	4	70-130/30
141-78-6	Ethyl Acetate	10	10.8	108	10.1	101	7	70-130/30
622-96-8	4-Ethyltoluene	10	11.5	115	10.8	108	6	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-BS	3W16312.D	1	04/16/10	YMH	n/a	n/a	V3W651
V3W651-BSD	3W16313.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here applies to the following samples: **Method:** TO-15

V3W651-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.3	103	10	100	3	70-130/30
76-14-2	Freon 114	10	10.1	101	10.0	100	1	70-130/30
142-82-5	Heptane	10	11.3	113	11.0	110	3	70-130/30
87-68-3	Hexachlorobutadiene	10	10.6	106	8.6	86	21	70-130/30
110-54-3	Hexane	10	11.1	111	10.6	106	5	70-130/30
591-78-6	2-Hexanone	10	10.8	108	11.0	110	2	70-130/30
67-63-0	Isopropyl Alcohol	10	10.0	100	9.0	90	11	70-130/30
75-09-2	Methylene chloride	10	9.8	98	9.6	96	2	70-130/30
78-93-3	Methyl ethyl ketone	10	11.3	113	10.3	103	9	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	12.4	124	12.3	123	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.6	106	9.8	98	8	70-130/30
115-07-1	Propylene	10	12.0	120	11.7	117	3	70-130/30
100-42-5	Styrene	10	11.2	112	10.6	106	6	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.5	105	10.1	101	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	10.5	105	5	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.2	112	10.7	107	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.3	113	9.7	97	15	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.8	118	11.1	111	6	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.2	112	10.7	107	5	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.5	105	10.2	102	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.9	109	8.9	89	20	70-130/30
127-18-4	Tetrachloroethylene	10	9.1	91	9.2	92	1	70-130/30
109-99-9	Tetrahydrofuran	10	11.1	111	9.7	97	13	70-130/30
108-88-3	Toluene	10	10.2	102	9.7	97	5	70-130/30
79-01-6	Trichloroethylene	10	9.9	99	9.9	99	0	70-130/30
75-69-4	Trichlorofluoromethane	10	10.4	104	10.1	101	3	70-130/30
75-01-4	Vinyl chloride	10	10.5	105	10.5	105	0	70-130/30
108-05-4	Vinyl Acetate	10	11.7	117	10.7	107	9	70-130/30
	m,p-Xylene	20	21.0	105	20.2	101	4	70-130/30
95-47-6	o-Xylene	10	10.6	106	10.2	102	4	70-130/30
1330-20-7	Xylenes (total)	30	31.6	105	30.3	101	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	100%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-BS	3W16333.D	1	04/19/10	YMH	n/a	n/a	V3W652
V3W652-BSD	3W16334.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.9	89	9.1	91	2	70-130/30
106-99-0	1,3-Butadiene	10	10.6	106	10.3	103	3	70-130/30
71-43-2	Benzene	10	9.2	92	9.0	90	2	70-130/30
75-27-4	Bromodichloromethane	10	10.3	103	9.9	99	4	70-130/30
75-25-2	Bromoform	10	10.7	107	10.6	106	1	70-130/30
74-83-9	Bromomethane	10	9.7	97	9.3	93	4	70-130/30
593-60-2	Bromoethene	10	9.8	98	9.5	95	3	70-130/30
100-44-7	Benzyl Chloride	10	10.7	107	10.9	109	2	70-130/30
75-15-0	Carbon disulfide	10	9.3	93	8.8	88	6	70-130/30
108-90-7	Chlorobenzene	10	9.0	90	9.0	90	0	70-130/30
75-00-3	Chloroethane	10	9.7	97	9.6	96	1	70-130/30
67-66-3	Chloroform	10	9.6	96	9.3	93	3	70-130/30
74-87-3	Chloromethane	10	10.1	101	9.4	94	7	70-130/30
107-05-1	3-Chloropropene	10	9.7	97	9.4	94	3	70-130/30
95-49-8	2-Chlorotoluene	10	10.1	101	10.3	103	2	70-130/30
56-23-5	Carbon tetrachloride	10	9.5	95	9.4	94	1	70-130/30
110-82-7	Cyclohexane	10	9.7	97	9.4	94	3	70-130/30
75-34-3	1,1-Dichloroethane	10	9.3	93	9.2	92	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.2	92	9.0	90	2	70-130/30
106-93-4	1,2-Dibromoethane	10	10	100	9.7	97	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10	100	9.8	98	2	70-130/30
78-87-5	1,2-Dichloropropane	10	9.0	90	9.0	90	0	70-130/30
123-91-1	1,4-Dioxane	10	8.6	86	8.6	86	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.9	99	9.3	93	6	70-130/30
124-48-1	Dibromochloromethane	10	10.1	101	9.8	98	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.2	92	9.1	91	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.7	97	9.6	96	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.7	107	10.5	105	2	70-130/30
541-73-1	m-Dichlorobenzene	10	10.1	101	10.2	102	1	70-130/30
95-50-1	o-Dichlorobenzene	10	10.0	100	10.2	102	2	70-130/30
106-46-7	p-Dichlorobenzene	10	9.9	99	10.1	101	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.8	108	10.7	107	1	70-130/30
64-17-5	Ethanol	10	8.6	86	8.6	86	0	70-130/30
100-41-4	Ethylbenzene	10	9.6	96	9.7	97	1	70-130/30
141-78-6	Ethyl Acetate	10	9.1	91	9.5	95	4	70-130/30
622-96-8	4-Ethyltoluene	10	10.4	104	10.7	107	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-BS	3W16333.D	1	04/19/10	YMH	n/a	n/a	V3W652
V3W652-BSD	3W16334.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	9.3	93	0	70-130/30
76-14-2	Freon 114	10	9.4	94	9.1	91	3	70-130/30
142-82-5	Heptane	10	10.6	106	10.1	101	5	70-130/30
87-68-3	Hexachlorobutadiene	10	10.5	105	10.5	105	0	70-130/30
110-54-3	Hexane	10	9.9	99	9.7	97	2	70-130/30
591-78-6	2-Hexanone	10	10.5	105	10	100	5	70-130/30
67-63-0	Isopropyl Alcohol	10	9.3	93	9.1	91	2	70-130/30
75-09-2	Methylene chloride	10	9.0	90	8.8	88	2	70-130/30
78-93-3	Methyl ethyl ketone	10	9.6	96	10.1	101	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.7	117	11.5	115	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.2	92	9.7	97	5	70-130/30
115-07-1	Propylene	10	11.6	116	10.9	109	6	70-130/30
100-42-5	Styrene	10	10.2	102	10.3	103	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.7	97	9.5	95	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.1	101	10.2	102	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.2	102	10.1	101	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	12.2	122	11.4	114	7	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.7	107	11.1	111	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.2	102	10.6	106	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.8	98	9.5	95	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.3	103	9.9	99	4	70-130/30
127-18-4	Tetrachloroethylene	10	8.8	88	8.5	85	3	70-130/30
109-99-9	Tetrahydrofuran	10	9.5	95	10.1	101	6	70-130/30
108-88-3	Toluene	10	9.3	93	9.3	93	0	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.1	91	4	70-130/30
75-69-4	Trichlorofluoromethane	10	9.7	97	9.4	94	3	70-130/30
75-01-4	Vinyl chloride	10	9.8	98	9.3	93	5	70-130/30
108-05-4	Vinyl Acetate	10	9.9	99	10.5	105	6	70-130/30
	m,p-Xylene	20	19.1	96	19.5	98	2	70-130/30
95-47-6	o-Xylene	10	9.7	97	9.9	99	2	70-130/30
1330-20-7	Xylenes (total)	30	28.8	96	29.4	98	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	104%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-BS	W25991.D	1	04/20/10	YMH	n/a	n/a	VW1077
VW1077-BSD	W25992.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	11.0	110	9.4	94	16	70-130/30
106-99-0	1,3-Butadiene	10	11.3	113	10.4	104	8	70-130/30
71-43-2	Benzene	10	11.7	117	10.0	100	16	70-130/30
75-27-4	Bromodichloromethane	10	11.2	112	9.8	98	13	70-130/30
75-25-2	Bromoform	10	9.6	96	8.3	83	15	70-130/30
74-83-9	Bromomethane	10	10.8	108	10.0	100	8	70-130/30
593-60-2	Bromoethene	10	10.8	108	9.9	99	9	70-130/30
100-44-7	Benzyl Chloride	10	12.7	127	11.1	111	13	70-130/30
75-15-0	Carbon disulfide	10	9.9	99	9.5	95	4	70-130/30
108-90-7	Chlorobenzene	10	10.1	101	8.8	88	14	70-130/30
75-00-3	Chloroethane	10	12.0	120	10.9	109	10	70-130/30
67-66-3	Chloroform	10	10.4	104	9.4	94	10	70-130/30
74-87-3	Chloromethane	10	12.5	125	11.6	116	7	70-130/30
107-05-1	3-Chloropropene	10	12.3	123	11.1	111	10	70-130/30
95-49-8	2-Chlorotoluene	10	10.7	107	8.9	89	18	70-130/30
56-23-5	Carbon tetrachloride	10	10.0	100	9.2	92	8	70-130/30
110-82-7	Cyclohexane	10	10.6	106	9.6	96	10	70-130/30
75-34-3	1,1-Dichloroethane	10	11.0	110	9.9	99	11	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.6	106	9.6	96	10	70-130/30
106-93-4	1,2-Dibromoethane	10	10.5	105	9.1	91	14	70-130/30
107-06-2	1,2-Dichloroethane	10	11.0	110	9.7	97	13	70-130/30
78-87-5	1,2-Dichloropropane	10	11.8	118	10.0	100	17	70-130/30
123-91-1	1,4-Dioxane	10	10.1	101	9.4	94	7	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	9.7	97	8	70-130/30
124-48-1	Dibromochloromethane	10	10.0	100	8.8	88	13	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.7	97	8.8	88	10	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10	100	9.0	90	11	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.1	111	9.4	94	17	70-130/30
541-73-1	m-Dichlorobenzene	10	11.4	114	9.6	96	17	70-130/30
95-50-1	o-Dichlorobenzene	10	11.1	111	9.2	92	19	70-130/30
106-46-7	p-Dichlorobenzene	10	11.6	116	9.6	96	19	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.8	128	10.7	107	18	70-130/30
64-17-5	Ethanol	10	10.7	107	9.9	99	8	70-130/30
100-41-4	Ethylbenzene	10	10.4	104	8.7	87	18	70-130/30
141-78-6	Ethyl Acetate	10	10.5	105	9.4	94	11	70-130/30
622-96-8	4-Ethyltoluene	10	11.4	114	9.5	95	18	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-BS	W25991.D	1	04/20/10	YMH	n/a	n/a	VW1077
VW1077-BSD	W25992.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.6	96	8.9	89	8	70-130/30
76-14-2	Freon 114	10	9.5	95	8.8	88	8	70-130/30
142-82-5	Heptane	10	11.6	116	10.5	105	10	70-130/30
87-68-3	Hexachlorobutadiene	10	11.2	112	10.6	106	6	70-130/30
110-54-3	Hexane	10	11.2	112	10.3	103	8	70-130/30
591-78-6	2-Hexanone	10	11.0	110	10.4	104	6	70-130/30
67-63-0	Isopropyl Alcohol	10	11.2	112	10.6	106	6	70-130/30
75-09-2	Methylene chloride	10	10.9	109	10	100	9	70-130/30
78-93-3	Methyl ethyl ketone	10	10.1	101	9.3	93	8	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.8	108	7	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.3	93	8.2	82	13	70-130/30
115-07-1	Propylene	10	12.2	122	11.3	113	8	70-130/30
100-42-5	Styrene	10	10.8	108	8.9	89	19	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.0	100	9.0	90	11	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	9.2	92	18	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.3	113	9.6	96	16	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.8	108	11.8	118	9	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.4	114	9.7	97	16	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.7	107	9.0	90	17	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.9	129	11.5	115	11	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.9	109	10.5	105	4	70-130/30
127-18-4	Tetrachloroethylene	10	9.3	93	8.5	85	9	70-130/30
109-99-9	Tetrahydrofuran	10	9.9	99	8.8	88	12	70-130/30
108-88-3	Toluene	10	11.2	112	9.3	93	19	70-130/30
79-01-6	Trichloroethylene	10	11.2	112	9.9	99	12	70-130/30
75-69-4	Trichlorofluoromethane	10	10.8	108	9.9	99	9	70-130/30
75-01-4	Vinyl chloride	10	11.8	118	10.9	109	8	70-130/30
108-05-4	Vinyl Acetate	10	10.6	106	8.7	87	20	70-130/30
	m,p-Xylene	20	20.7	104	17.1	86	19	70-130/30
95-47-6	o-Xylene	10	10.5	105	8.5	85	21	70-130/30
1330-20-7	Xylenes (total)	30	31.2	104	25.6	85	20	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	103%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-BS	W26018.D	1	04/21/10	YMH	n/a	n/a	VW1078
VW1078-BSD	W26019.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.5	105	10.1	101	4	70-130/30
106-99-0	1,3-Butadiene	10	11.2	112	10.6	106	6	70-130/30
71-43-2	Benzene	10	11.3	113	10.8	108	5	70-130/30
75-27-4	Bromodichloromethane	10	11.4	114	10.9	109	4	70-130/30
75-25-2	Bromoform	10	8.8	88	8.4	84	5	70-130/30
74-83-9	Bromomethane	10	10.6	106	10.1	101	5	70-130/30
593-60-2	Bromoethene	10	10.7	107	10.3	103	4	70-130/30
100-44-7	Benzyl Chloride	10	10.6	106	10.1	101	5	70-130/30
75-15-0	Carbon disulfide	10	11.4	114	10.2	102	11	70-130/30
108-90-7	Chlorobenzene	10	9.4	94	9.1	91	3	70-130/30
75-00-3	Chloroethane	10	11.7	117	11.2	112	4	70-130/30
67-66-3	Chloroform	10	10.2	102	10.1	101	1	70-130/30
74-87-3	Chloromethane	10	12.1	121	11.5	115	5	70-130/30
107-05-1	3-Chloropropene	10	11.7	117	11.5	115	2	70-130/30
95-49-8	2-Chlorotoluene	10	9.6	96	9.1	91	5	70-130/30
56-23-5	Carbon tetrachloride	10	10.0	100	9.8	98	2	70-130/30
110-82-7	Cyclohexane	10	10.7	107	10.1	101	6	70-130/30
75-34-3	1,1-Dichloroethane	10	10.7	107	10.5	105	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.9	109	10.4	104	5	70-130/30
106-93-4	1,2-Dibromoethane	10	9.6	96	9.3	93	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10.6	106	10.4	104	2	70-130/30
78-87-5	1,2-Dichloropropane	10	11.4	114	10.9	109	4	70-130/30
123-91-1	1,4-Dioxane	10	10.1	101	9.3	93	8	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	10.0	100	5	70-130/30
124-48-1	Dibromochloromethane	10	9.5	95	9.2	92	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.0	100	9.7	97	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	9.4	94	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.2	112	10.5	105	6	70-130/30
541-73-1	m-Dichlorobenzene	10	9.8	98	9.4	94	4	70-130/30
95-50-1	o-Dichlorobenzene	10	9.4	94	9.0	90	4	70-130/30
106-46-7	p-Dichlorobenzene	10	9.8	98	9.3	93	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.0	110	10.3	103	7	70-130/30
64-17-5	Ethanol	10	9.9	99	9.3	93	6	70-130/30
100-41-4	Ethylbenzene	10	9.6	96	9.3	93	3	70-130/30
141-78-6	Ethyl Acetate	10	10.1	101	9.4	94	7	70-130/30
622-96-8	4-Ethyltoluene	10	10.1	101	9.5	95	6	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-BS	W26018.D	1	04/21/10	YMH	n/a	n/a	VW1078
VW1078-BSD	W26019.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.1	101	9.4	94	7	70-130/30
76-14-2	Freon 114	10	10.6	106	10.0	100	6	70-130/30
142-82-5	Heptane	10	11.9	119	11.4	114	4	70-130/30
87-68-3	Hexachlorobutadiene	10	8.7	87	8.4	84	4	70-130/30
110-54-3	Hexane	10	11.0	110	10.7	107	3	70-130/30
591-78-6	2-Hexanone	10	10.8	108	10.1	101	7	70-130/30
67-63-0	Isopropyl Alcohol	10	11.1	111	10.5	105	6	70-130/30
75-09-2	Methylene chloride	10	11.2	112	10.8	108	4	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.2	92	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.7	107	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.8	88	8.5	85	3	70-130/30
115-07-1	Propylene	10	12.3	123	11.8	118	4	70-130/30
100-42-5	Styrene	10	9.8	98	9.4	94	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.9	99	9.7	97	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.2	102	9.6	96	6	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.0	110	10.4	104	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.2	92	9.1	91	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.1	101	9.4	94	7	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.6	96	8.9	89	8	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.7	127	12.1	121	5	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.1	111	10.6	106	5	70-130/30
127-18-4	Tetrachloroethylene	10	8.8	88	8.5	85	3	70-130/30
109-99-9	Tetrahydrofuran	10	9.2	92	8.9	89	3	70-130/30
108-88-3	Toluene	10	10.6	106	10	100	6	70-130/30
79-01-6	Trichloroethylene	10	11.3	113	10.8	108	5	70-130/30
75-69-4	Trichlorofluoromethane	10	11.2	112	10.7	107	5	70-130/30
75-01-4	Vinyl chloride	10	11.5	115	10.9	109	5	70-130/30
108-05-4	Vinyl Acetate	10	9.5	95	9.2	92	3	70-130/30
	m,p-Xylene	20	19.0	95	18.2	91	4	70-130/30
95-47-6	o-Xylene	10	9.6	96	9.1	91	5	70-130/30
1330-20-7	Xylenes (total)	30	28.6	95	27.3	91	5	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	65-128%

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45062-1DUP	2W27065.D	1	05/03/10	YXC	n/a	n/a	V2W1140
JA45062-1	2W27064.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	JA45062-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	3.6		3.4		6	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.20		0.20		0	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	0.68		0.66		3	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	0.13	J	0.13	J	0	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.74		0.70		6	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	3.1		3.5		12	33
100-41-4	Ethylbenzene	ND		ND		nc	15
141-78-6	Ethyl Acetate	13.9		13.5		3	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45062-1DUP	2W27065.D	1	05/03/10	YXC	n/a	n/a	V2W1140
JA45062-1	2W27064.D	1	05/03/10	YXC	n/a	n/a	V2W1140

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-1, JA45062-2, JA45062-6, JA45062-7, JA45062-8, JA45062-9, JA45062-11, JA45062-12

CAS No.	Compound	JA45062-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	0.12	J	0.12	J	0	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	0.12	J	0.12	J	0	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	0.69		0.75		8	26
75-09-2	Methylene chloride	0.24		0.23		4	26
78-93-3	Methyl ethyl ketone	ND		ND		nc	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
115-07-1	Propylene	0.23	J	0.24	J	4	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	ND		ND		nc	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	0.53		0.51		4	20
79-01-6	Trichloroethylene	0.19		0.18		5	13
75-69-4	Trichlorofluoromethane	0.42		0.43		2	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	ND		ND		nc	26
95-47-6	o-Xylene	ND		ND		nc	20
1330-20-7	Xylenes (total)	ND		ND		nc	26

CAS No.	Surrogate Recoveries	DUP	JA45062-1	Limits
460-00-4	4-Bromofluorobenzene	86%	86%	65-128%

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45062-13DUP	2W27095.D	1	05/04/10	YXC	n/a	n/a	V2W1141
JA45062-13	2W27094.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	JA45062-13 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	3.8		3.8		0	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.40		0.36		11	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	0.62		0.53		16	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	0.12	J	0.12	J	0	10
110-82-7	Cyclohexane	0.17	J	0.15	J	13* [a]	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.69		0.64		8	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	10.6		10.4		2	33
100-41-4	Ethylbenzene	0.13	J	0.11	J	17* [a]	15
141-78-6	Ethyl Acetate	1.7		1.5		13	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45062-13DUP	2W27095.D	1	05/04/10	YXC	n/a	n/a	V2W1141
JA45062-13	2W27094.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

CAS No.	Compound	JA45062-13 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	0.11	J	0.10	J	10	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	0.22		0.21		5	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	0.50		0.49		2	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	2.2		2.1		5	26
75-09-2	Methylene chloride	0.21		0.21		0	26
78-93-3	Methyl ethyl ketone	0.35		0.29		19	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
115-07-1	Propylene	0.39	J	0.41	J	5	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	0.15	J	0.12	J	22* [a]	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	0.11		0.097		13	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	0.71		0.59		18	20
79-01-6	Trichloroethylene	0.052		0.046		12	13
75-69-4	Trichlorofluoromethane	0.87		0.85		2	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	0.43		0.35		21	26
95-47-6	o-Xylene	0.13	J	0.11	J	17	20
1330-20-7	Xylenes (total)	0.56		0.46		20	26

CAS No.	Surrogate Recoveries	DUP	JA45062-13	Limits
460-00-4	4-Bromofluorobenzene	93%	92%	65-128%

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45062-13DUP	2W27095.D	1	05/04/10	YXC	n/a	n/a	V2W1141
JA45062-13	2W27094.D	1	05/04/10	YXC	n/a	n/a	V2W1141

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-3, JA45062-4, JA45062-5, JA45062-10, JA45062-13, JA45062-14, JA45062-15, JA45062-16, JA45062-17, JA45062-18, JA45062-19, JA45062-20, JA45062-21, JA45062-22

(a) Outside in house control limits.

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45065-5DUP	2W27120.D	1	05/05/10	YXC	n/a	n/a	V2W1143
JA45065-5	2W27119.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	JA45065-5 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	2.7		2.9		7	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.11	J	0.10	J	10	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	0.55		0.56		2	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	0.14	J	0.13	J	7	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.73		0.75		3	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	1.5		1.7		13	33
100-41-4	Ethylbenzene	ND		ND		nc	15
141-78-6	Ethyl Acetate	1.9		1.9		0	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45065-5DUP	2W27120.D	1	05/05/10	YXC	n/a	n/a	V2W1143
JA45065-5	2W27119.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

CAS No.	Compound	JA45065-5 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	ND		ND		nc	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	0.30		0.27		11	26
75-09-2	Methylene chloride	0.26		0.25		4	26
78-93-3	Methyl ethyl ketone	0.22		0.26		17	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
115-07-1	Propylene	0.16	J	0.19	J	17* [a]	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	ND		ND		nc	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	0.23		0.21		9	20
79-01-6	Trichloroethylene	ND		ND		nc	13
75-69-4	Trichlorofluoromethane	0.51		0.50		2	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	ND		ND		nc	26
95-47-6	o-Xylene	ND		ND		nc	20
1330-20-7	Xylenes (total)	ND		ND		nc	26

CAS No.	Surrogate Recoveries	DUP	JA45065-5	Limits
460-00-4	4-Bromofluorobenzene	92%	94%	65-128%

Duplicate Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45065-5DUP	2W27120.D	1	05/05/10	YXC	n/a	n/a	V2W1143
JA45065-5	2W27119.D	1	05/05/10	YXC	n/a	n/a	V2W1143

The QC reported here applies to the following samples: **Method:** TO-15

JA45062-23, JA45062-24, JA45062-25, JA45062-26, JA45062-27

(a) Outside in house control limits.

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-SCC	2W26782A.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here (Summa A848) applies to the following samples: **Method:** TO-15

Batch CP4016 cleaned 04/13/10: JA45062-26(A848)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1126-SCC	2W26782A.D	1	04/15/10	YXC	n/a	n/a	V2W1126

The QC reported here (Summa A848) applies to the following samples: **Method:** TO-15

Batch CP4016 cleaned 04/13/10: JA45062-26(A848)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	65-128%

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-SCC	3W16314A.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here (Summa A877) applies to the following samples: **Method:** TO-15

Batch CP4020 cleaned 04/14/10: JA45062-23(A877)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W651-SCC	3W16314A.D	1	04/16/10	YMH	n/a	n/a	V3W651

The QC reported here (Summa A877) applies to the following samples: **Method:** TO-15

Batch CP4020 cleaned 04/14/10: JA45062-23(A877)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-SCC	3W16357.D	1	04/20/10	YMH	n/a	n/a	V3W652

The QC reported here (Summa A319) applies to the following samples: **Method:** TO-15

Batch CP4024 cleaned 04/16/10: JA45062-1(A905), JA45062-2(A465), JA45062-3(A903), JA45062-4(A882), JA45062-5(A227), JA45062-6(A313), JA45062-7(A865), JA45062-8(A886), JA45062-9(A356), JA45062-10(A769)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-SCC	3W16357.D	1	04/20/10	YMH	n/a	n/a	V3W652

The QC reported here (Summa A319) applies to the following samples: **Method:** TO-15

Batch CP4024 cleaned 04/16/10: JA45062-1(A905), JA45062-2(A465), JA45062-3(A903), JA45062-4(A882), JA45062-5(A227), JA45062-6(A313), JA45062-7(A865), JA45062-8(A886), JA45062-9(A356), JA45062-10(A769)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-SCC	W25993A.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here (Summa A148) applies to the following samples: **Method:** TO-15

Batch CP4027 cleaned 04/19/10: JA45062-11(A847), JA45062-12(A343), JA45062-13(A844), JA45062-14(A166), JA45062-17(A857)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-SCC	W25993A.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here (Summa A148) applies to the following samples: **Method:** TO-15

Batch CP4027 cleaned 04/19/10: JA45062-11(A847), JA45062-12(A343), JA45062-13(A844), JA45062-14(A166), JA45062-17(A857)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-SCC	W26020A.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here (Summa A368) applies to the following samples: **Method:** TO-15

Batch CP4026 cleaned 04/19/10: JA45062-15(A659), JA45062-16(A194), JA45062-18(A855), JA45062-19(A374), JA45062-20(A463), JA45062-21(A898), JA45062-22(A832), JA45062-24(A853), JA45062-25(A238), JA45062-27(A828)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-SCC	W26020A.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here (Summa A368) applies to the following samples: **Method:** TO-15

Batch CP4026 cleaned 04/19/10: JA45062-15(A659), JA45062-16(A194), JA45062-18(A855), JA45062-19(A374), JA45062-20(A463), JA45062-21(A898), JA45062-22(A832), JA45062-24(A853), JA45062-25(A238), JA45062-27(A828)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-BFB
Lab File ID: 2W26576.D
Instrument ID: GCMS2W
Injection Date: 04/05/10
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	8226	18.3		Pass
75	30.0 - 66.0% of mass 95	22266	49.6		Pass
95	Base peak, 100% relative abundance	44928	100.0		Pass
96	5.0 - 9.0% of mass 95	3456	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44544	99.1		Pass
175	4.0 - 9.01% of mass 174	3925	8.7	(8.8) [a]	Pass
176	93.0 - 101.0% of mass 174	42069	93.6	(94.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2756	6.1	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1118-IC1118	2W26577.D	04/05/10	11:11	01:27	Initial cal 5
V2W1118-IC1118	2W26578.D	04/05/10	11:54	02:10	Initial cal 0.5
V2W1118-ICC1118	2W26579.D	04/05/10	12:37	02:53	Initial cal 10
V2W1118-IC1118	2W26580.D	04/05/10	13:20	03:36	Initial cal 2
V2W1118-IC1118	2W26581.D	04/05/10	15:40	05:56	Initial cal 20
V2W1118-IC1118	2W26582.D	04/05/10	17:06	07:22	Initial cal 0.2
V2W1118-IC1118	2W26583.D	04/05/10	17:49	08:05	Initial cal 0.1
V2W1118-IC1118	2W26584.D	04/05/10	18:32	08:48	Initial cal 0.04
V2W1118-IC1118	2W26585.D	04/05/10	19:15	09:31	Initial cal 40
V2W1118-ICV1118	2W26586.D	04/05/10	20:41	10:57	Initial cal verification 10
V2W1118-IC1118	2W26587.D	04/05/10	22:06	12:22	Initial cal 0.2
V2W1118-IC1118	2W26588.D	04/05/10	22:49	13:05	Initial cal 0.5
V2W1118-IC1118	2W26589.D	04/05/10	23:32	13:48	Initial cal 5
V2W1118-IC1118	2W26590.D	04/06/10	00:16	14:32	Initial cal 10
V2W1118-IC1118	2W26591.D	04/06/10	00:59	15:15	Initial cal 20
V2W1118-IC1118	2W26592.D	04/06/10	01:42	15:58	Initial cal 40

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1126-BFB
Lab File ID: 2W26778.D
Instrument ID: GCMS2W
Injection Date: 04/15/10
Injection Time: 10:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12421	22.3		Pass
75	30.0 - 66.0% of mass 95	34106	61.3		Pass
95	Base peak, 100% relative abundance	55624	100.0		Pass
96	5.0 - 9.0% of mass 95	4322	7.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	60613	109.0		Pass
175	4.0 - 9.01% of mass 174	5026	9.0	(8.3) [a]	Pass
176	93.0 - 101.0% of mass 174	60256	108.3	(99.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4558	8.2	(7.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1126-CC1118	2W26779.D	04/15/10	11:47	01:29	Continuing cal 10
V2W1126-BS	2W26780.D	04/15/10	12:30	02:12	Blank Spike
V2W1126-BSD	2W26781.D	04/15/10	13:13	02:55	Blank Spike Duplicate
V2W1126-MB	2W26782.D	04/15/10	14:41	04:23	Method Blank
V2W1126-SCC	2W26782A.D	04/15/10	14:41	04:23	Summa Cleaning Certification
JA44210-1	2W26783.D	04/15/10	15:24	05:06	(used for QC only; not part of job JA45062)
JA44210-1DUP	2W26784.D	04/15/10	16:07	05:49	Duplicate
ZZZZZZ	2W26785.D	04/15/10	16:50	06:32	(unrelated sample)
ZZZZZZ	2W26786.D	04/15/10	17:33	07:15	(unrelated sample)
ZZZZZZ	2W26788.D	04/15/10	18:58	08:40	(unrelated sample)
ZZZZZZ	2W26789.D	04/15/10	19:41	09:23	(unrelated sample)
ZZZZZZ	2W26790.D	04/15/10	20:24	10:06	(unrelated sample)
ZZZZZZ	2W26791.D	04/15/10	21:07	10:49	(unrelated sample)
ZZZZZZ	2W26792.D	04/15/10	21:50	11:32	(unrelated sample)
ZZZZZZ	2W26793.D	04/15/10	22:33	12:15	(unrelated sample)
ZZZZZZ	2W26794.D	04/15/10	23:59	13:41	(unrelated sample)
ZZZZZZ	2W26795.D	04/16/10	00:42	14:24	(unrelated sample)
ZZZZZZ	2W26796.D	04/16/10	01:25	15:07	(unrelated sample)
ZZZZZZ	2W26797.D	04/16/10	02:08	15:50	(unrelated sample)
ZZZZZZ	2W26798.D	04/16/10	02:52	16:34	(unrelated sample)
V2W1126-SCC	2W26801.D	04/16/10	05:45	19:27	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-BFB
Lab File ID: 2W27036.D
Instrument ID: GCMS2W
Injection Date: 04/30/10
Injection Time: 17:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20090	18.2		Pass
75	30.0 - 66.0% of mass 95	54157	49.2		Pass
95	Base peak, 100% relative abundance	110173	100.0		Pass
96	5.0 - 9.0% of mass 95	7884	7.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	88269	80.1		Pass
175	4.0 - 9.01% of mass 174	6824	6.2	(7.7) [a]	Pass
176	93.0 - 101.0% of mass 174	87034	79.0	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5685	5.2	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1138-ICC1138	2W27037.D	04/30/10	17:48	00:43	Initial cal 10
V2W1139-ICC1139	2W27037A.D	04/30/10	17:48	00:43	Initial cal 10
V2W1139-IC1139	2W27038A.D	04/30/10	18:31	01:26	Initial cal 5
V2W1138-IC1138	2W27039.D	04/30/10	19:15	02:10	Initial cal 0.5
V2W1139-IC1139	2W27039A.D	04/30/10	19:15	02:10	Initial cal 0.5
V2W1138-IC1138	2W27040.D	04/30/10	19:57	02:52	Initial cal 0.2
V2W1139-IC1139	2W27040A.D	04/30/10	19:57	02:52	Initial cal 0.2
V2W1138-IC1138	2W27041.D	04/30/10	20:40	03:35	Initial cal 20
V2W1139-IC1139	2W27041A.D	04/30/10	20:40	03:35	Initial cal 20
V2W1138-IC1138	2W27042.D	04/30/10	22:06	05:01	Initial cal 1
V2W1139-IC1139	2W27042A.D	04/30/10	22:06	05:01	Initial cal 1
V2W1138-IC1138	2W27043.D	04/30/10	22:49	05:44	Initial cal 0.1
V2W1138-IC1138	2W27044.D	04/30/10	23:32	06:27	Initial cal 0.04
V2W1138-IC1138	2W27045.D	05/01/10	00:15	07:10	Initial cal 40
V2W1139-IC1139	2W27045A.D	05/01/10	00:15	07:10	Initial cal 40
V2W1138-ICV1138	2W27050.D	05/01/10	04:32	11:27	Initial cal verification 10
V2W1139-ICV1139	2W27050A.D	05/01/10	04:32	11:27	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1140-BFB
Lab File ID: 2W27057.D
Instrument ID: GCMS2W
Injection Date: 05/03/10
Injection Time: 08:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22149	19.2		Pass
75	30.0 - 66.0% of mass 95	57888	50.2		Pass
95	Base peak, 100% relative abundance	115312	100.0		Pass
96	5.0 - 9.0% of mass 95	8496	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	90530	78.5		Pass
175	4.0 - 9.01% of mass 174	6871	6.0	(7.6) [a]	Pass
176	93.0 - 101.0% of mass 174	88933	77.1	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	6276	5.4	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1140-CC1138	2W27058.D	05/03/10	09:28	00:56	Continuing cal 10
V2W1140-BS	2W27059.D	05/03/10	10:13	01:41	Blank Spike
V2W1140-BSD	2W27060.D	05/03/10	10:56	02:24	Blank Spike Duplicate
V2W1140-MB	2W27061.D	05/03/10	12:22	03:50	Method Blank
V2W1140-SCC	2W27061A.D	05/03/10	12:22	03:50	Summa Cleaning Certification
ZZZZZZ	2W27062.D	05/03/10	13:05	04:33	(unrelated sample)
ZZZZZZ	2W27063.D	05/03/10	13:47	05:15	(unrelated sample)
JA45062-1	2W27064.D	05/03/10	14:31	05:59	50IA-1
JA45062-1DUP	2W27065.D	05/03/10	15:13	06:41	Duplicate
ZZZZZZ	2W27067.D	05/03/10	16:39	08:07	(unrelated sample)
JA45062-6	2W27070.D	05/03/10	19:31	10:59	50IA-6
JA45062-7	2W27071.D	05/03/10	20:14	11:42	50IA-7
JA45062-8	2W27072.D	05/03/10	20:57	12:25	50IA-8
JA45062-9	2W27073.D	05/03/10	21:40	13:08	50IA-9
JA45062-11	2W27075.D	05/03/10	23:48	15:16	15IA-1
JA45062-12	2W27076.D	05/04/10	00:31	15:59	15IA-2
ZZZZZZ	2W27077.D	05/04/10	01:14	16:42	(unrelated sample)
ZZZZZZ	2W27078.D	05/04/10	01:57	17:25	(unrelated sample)
ZZZZZZ	2W27079.D	05/04/10	02:40	18:08	(unrelated sample)
ZZZZZZ	2W27081.D	05/04/10	04:48	20:16	(unrelated sample)
ZZZZZZ	2W27082.D	05/04/10	05:31	20:59	(unrelated sample)
ZZZZZZ	2W27083.D	05/04/10	06:14	21:42	(unrelated sample)
JA45062-2	2W27084.D	05/04/10	06:57	22:25	50IA-2

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1141-BFB
Lab File ID: 2W27085.D
Instrument ID: GCMS2W
Injection Date: 05/04/10
Injection Time: 08:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	27122	23.2		Pass
75	30.0 - 66.0% of mass 95	65245	55.9		Pass
95	Base peak, 100% relative abundance	116752	100.0		Pass
96	5.0 - 9.0% of mass 95	8625	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	79344	68.0		Pass
175	4.0 - 9.01% of mass 174	6827	5.8	(8.6) [a]	Pass
176	93.0 - 101.0% of mass 174	78098	66.9	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	5113	4.4	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1142-CC1139	2W27086A.D	05/04/10	10:34	02:12	Continuing cal 10
V2W1142-MB	2W27089A.D	05/04/10	14:08	05:46	Method Blank
V2W1142-LCS	2W27090A.D	05/04/10	14:50	06:28	Laboratory Control Sample
V2W1142-SCC	2W27091A.D	05/04/10	15:33	07:11	Summa Cleaning Certification
V2W1142-ECC1139	2W27092A.D	05/04/10	17:22	09:00	Ending cal 10
JA45062-3	2W27091.D	05/04/10	18:48	10:26	50IA-3
JA45062-22	2W27105.D	05/05/10	05:33	21:11	15IA-12

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1142-BFB
Lab File ID: 2W27085A.D
Instrument ID: GCMS2W
Injection Date: 05/04/10
Injection Time: 08:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	27122	23.2		Pass
75	30.0 - 66.0% of mass 95	65245	55.9		Pass
95	Base peak, 100% relative abundance	116752	100.0		Pass
96	5.0 - 9.0% of mass 95	8625	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	79344	68.0		Pass
175	4.0 - 9.01% of mass 174	6827	5.8	(8.6) [a]	Pass
176	93.0 - 101.0% of mass 174	78098	66.9	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	5113	4.4	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1141-CC1138	2W27086.D	05/04/10	10:34	02:12	Continuing cal 10
V2W1141-BS	2W27087.D	05/04/10	11:59	03:37	Blank Spike
V2W1141-BSD	2W27088.D	05/04/10	12:42	04:20	Blank Spike Duplicate
V2W1141-MB	2W27089.D	05/04/10	14:08	05:46	Method Blank
V2W1141-SCC	2W27089B.D	05/04/10	14:08	05:46	Summa Cleaning Certification
JA45062-4	2W27092.D	05/04/10	19:31	11:09	50IA-4
JA45062-5	2W27093.D	05/04/10	20:14	11:52	50IA-5
JA45062-13	2W27094.D	05/04/10	20:57	12:35	15IA-3
JA45062-13DUP	2W27095.D	05/04/10	21:40	13:18	Duplicate
JA45062-14	2W27096.D	05/04/10	22:23	14:01	15IA-4
JA45062-15	2W27097.D	05/04/10	23:06	14:44	15IA-5
JA45062-16	2W27098.D	05/05/10	00:32	16:10	15IA-6
JA45062-17	2W27099.D	05/05/10	01:15	16:53	15IA-7
JA45062-18	2W27100.D	05/05/10	01:57	17:35	15IA-8
JA45062-10	2W27101.D	05/05/10	02:40	18:18	50IA-10 AMBIENT
JA45062-19	2W27102.D	05/05/10	03:23	19:01	15IA-9
JA45062-20	2W27103.D	05/05/10	04:06	19:44	15IA-10
JA45062-21	2W27104.D	05/05/10	04:50	20:28	15IA-11
V2W1141-SCC	2W27106.D	05/05/10	06:59	22:37	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1143-BFB
Lab File ID: 2W27110.D
Instrument ID: GCMS2W
Injection Date: 05/05/10
Injection Time: 10:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	29082	26.4		Pass
75	30.0 - 66.0% of mass 95	67514	61.2		Pass
95	Base peak, 100% relative abundance	110309	100.0		Pass
96	5.0 - 9.0% of mass 95	8278	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	76112	69.0		Pass
175	4.0 - 9.01% of mass 174	6419	5.8	(8.4) [a]	Pass
176	93.0 - 101.0% of mass 174	74130	67.2	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	5074	4.6	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1143-CC1138	2W27111.D	05/05/10	12:40	02:09	Continuing cal 10
V2W1143-BS	2W27112.D	05/05/10	13:26	02:55	Blank Spike
V2W1143-BSD	2W27113.D	05/05/10	14:09	03:38	Blank Spike Duplicate
V2W1143-MB	2W27114.D	05/05/10	15:35	05:04	Method Blank
V2W1143-SCC	2W27114A.D	05/05/10	15:35	05:04	Summa Cleaning Certification
ZZZZZZ	2W27115.D	05/05/10	16:18	05:47	(unrelated sample)
ZZZZZZ	2W27116.D	05/05/10	17:00	06:29	(unrelated sample)
ZZZZZZ	2W27117.D	05/05/10	17:43	07:12	(unrelated sample)
ZZZZZZ	2W27118.D	05/05/10	18:26	07:55	(unrelated sample)
JA45065-5	2W27119.D	05/05/10	19:08	08:37	(used for QC only; not part of job JA45062)
JA45065-5DUP	2W27120.D	05/05/10	19:51	09:20	Duplicate
ZZZZZZ	2W27121.D	05/05/10	21:16	10:45	(unrelated sample)
ZZZZZZ	2W27122.D	05/05/10	21:59	11:28	(unrelated sample)
JA45062-23	2W27123.D	05/05/10	22:42	12:11	15IA-12DUP
JA45062-24	2W27124.D	05/05/10	23:25	12:54	15IA-13
JA45062-25	2W27125.D	05/06/10	00:08	13:37	15IA-14
JA45062-26	2W27126.D	05/06/10	00:51	14:20	15IA-15
JA45062-27	2W27127.D	05/06/10	01:33	15:02	15IA-AMBIENT
ZZZZZZ	2W27128.D	05/06/10	02:59	16:28	(unrelated sample)
ZZZZZZ	2W27129.D	05/06/10	03:42	17:11	(unrelated sample)
ZZZZZZ	2W27130.D	05/06/10	04:25	17:54	(unrelated sample)
ZZZZZZ	2W27131.D	05/06/10	05:08	18:37	(unrelated sample)
ZZZZZZ	2W27132.D	05/06/10	05:51	19:20	(unrelated sample)
ZZZZZZ	2W27133.D	05/06/10	06:34	20:03	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	V2W1143-BFB	**Injection Date:**	05/05/10
Lab File ID:	2W27110.D	**Injection Time:**	10:31
Instrument ID:	GCMS2W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1143-SCC	2W27135.D	05/06/10	08:00	21:29	Summa Cleaning Certification
ZZZZZZ	2W27136.D	05/06/10	08:43	22:12	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	V3W644-BFB	**Injection Date:**	04/06/10
Lab File ID:	3W16117.D	**Injection Time:**	15:52
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	7353	14.7		Pass
75	30.0 - 66.0% of mass 95	22794	45.6		Pass
95	Base peak, 100% relative abundance	49949	100.0		Pass
96	5.0 - 9.0% of mass 95	3550	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44213	88.5		Pass
175	4.0 - 9.01% of mass 174	3248	6.5	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	42880	85.8	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2863	5.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W644-ICC644	3W16118.D	04/06/10	16:31	00:39	Initial cal 10
V3W644-IC644	3W16121.D	04/06/10	19:05	03:13	Initial cal 0.2
V3W644-IC644	3W16122.D	04/06/10	19:45	03:53	Initial cal 20
V3W644-IC644	3W16123.D	04/06/10	20:23	04:31	Initial cal 5.0
V3W644-IC644	3W16124.D	04/06/10	21:02	05:10	Initial cal 0.5
V3W644-IC644	3W16125.D	04/06/10	21:41	05:49	Initial cal 0.1
V3W644-IC644	3W16126.D	04/06/10	22:20	06:28	Initial cal 0.04
V3W644-IC644	3W16127.D	04/06/10	23:36	07:44	Initial cal 5.0
V3W644-IC644	3W16128.D	04/07/10	00:14	08:22	Initial cal 10
V3W644-IC644	3W16129.D	04/07/10	00:54	09:02	Initial cal 40
V3W644-IC644	3W16130.D	04/07/10	01:33	09:41	Initial cal 0.5
V3W644-IC644	3W16131.D	04/07/10	02:11	10:19	Initial cal 0.2
V3W644-IC644	3W16132.D	04/07/10	03:28	11:36	Initial cal 20
V3W644-IC644	3W16133.D	04/07/10	04:08	12:16	Initial cal 40

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	V3W651-BFB	**Injection Date:**	04/16/10
Lab File ID:	3W16309.D	**Injection Time:**	06:57
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6648	17.5		Pass
75	30.0 - 66.0% of mass 95	18394	48.3		Pass
95	Base peak, 100% relative abundance	38072	100.0		Pass
96	5.0 - 9.0% of mass 95	2654	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30426	79.9		Pass
175	4.0 - 9.01% of mass 174	2242	5.9	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	29413	77.3	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1951	5.1	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W651-CC644	3W16310.D	04/16/10	07:36	00:39	Continuing cal 10
V3W651-CC644	3W16311.D	04/16/10	08:16	01:19	Continuing cal 10
V3W651-BS	3W16312.D	04/16/10	09:34	02:37	Blank Spike
V3W651-BSD	3W16313.D	04/16/10	10:13	03:16	Blank Spike Duplicate
V3W651-SCC	3W16314A.D	04/16/10	11:33	04:36	Summa Cleaning Certification
V3W651-MB	3W16314.D	04/16/10	11:33	04:36	Method Blank
JA44218-1	3W16315.D	04/16/10	12:12	05:15	(used for QC only; not part of job JA45062)
JA44218-1DUP	3W16316.D	04/16/10	12:51	05:54	Duplicate
ZZZZZZ	3W16317.D	04/16/10	13:32	06:35	(unrelated sample)
ZZZZZZ	3W16318.D	04/16/10	14:13	07:16	(unrelated sample)
ZZZZZZ	3W16319.D	04/16/10	14:53	07:56	(unrelated sample)
ZZZZZZ	3W16320.D	04/16/10	16:10	09:13	(unrelated sample)
ZZZZZZ	3W16322.D	04/16/10	17:32	10:35	(unrelated sample)
ZZZZZZ	3W16323.D	04/16/10	18:13	11:16	(unrelated sample)
ZZZZZZ	3W16324.D	04/16/10	18:54	11:57	(unrelated sample)
ZZZZZZ	3W16325.D	04/16/10	20:10	13:13	(unrelated sample)
ZZZZZZ	3W16326.D	04/16/10	20:50	13:53	(unrelated sample)
ZZZZZZ	3W16327.D	04/16/10	21:31	14:34	(unrelated sample)
ZZZZZZ	3W16328.D	04/16/10	22:10	15:13	(unrelated sample)
ZZZZZZ	3W16329.D	04/16/10	22:49	15:52	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-BFB
Lab File ID: 3W16330.D
Instrument ID: GCMS3W
Injection Date: 04/19/10
Injection Time: 06:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5547	16.3		Pass
75	30.0 - 66.0% of mass 95	15978	46.8		Pass
95	Base peak, 100% relative abundance	34133	100.0		Pass
96	5.0 - 9.0% of mass 95	2622	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30493	89.3		Pass
175	4.0 - 9.01% of mass 174	2190	6.4	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	29672	86.9	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1946	5.7	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W652-CC644	3W16331.D	04/19/10	06:39	00:39	Continuing cal 10
V3W652-CC644	3W16332.D	04/19/10	07:21	01:21	Continuing cal 10
V3W652-BS	3W16333.D	04/19/10	08:40	02:40	Blank Spike
V3W652-BSD	3W16334.D	04/19/10	09:19	03:19	Blank Spike Duplicate
V3W652-MB	3W16335.D	04/19/10	10:39	04:39	Method Blank
V3W652-SCC	3W16335A.D	04/19/10	10:39	04:39	Summa Cleaning Certification
ZZZZZZ	3W16338.D	04/19/10	12:46	06:46	(unrelated sample)
ZZZZZZ	3W16339.D	04/19/10	13:26	07:26	(unrelated sample)
ZZZZZZ	3W16340.D	04/19/10	14:47	08:47	(unrelated sample)
ZZZZZZ	3W16341.D	04/19/10	15:29	09:29	(unrelated sample)
ZZZZZZ	3W16342.D	04/19/10	16:08	10:08	(unrelated sample)
ZZZZZZ	3W16343.D	04/19/10	16:46	10:46	(unrelated sample)
ZZZZZZ	3W16345.D	04/19/10	18:43	12:43	(unrelated sample)
ZZZZZZ	3W16348.D	04/19/10	20:42	14:42	(unrelated sample)
ZZZZZZ	3W16349.D	04/19/10	21:23	15:23	(unrelated sample)
JA44505-3	3W16350.D	04/19/10	22:43	16:43	(used for QC only; not part of job JA45062)
JA44505-3DUP	3W16351.D	04/19/10	23:24	17:24	Duplicate
ZZZZZZ	3W16352.D	04/20/10	00:05	18:05	(unrelated sample)
ZZZZZZ	3W16353.D	04/20/10	00:46	18:46	(unrelated sample)
ZZZZZZ	3W16354.D	04/20/10	01:27	19:27	(unrelated sample)
ZZZZZZ	3W16356.D	04/20/10	03:28	21:28	(unrelated sample)
V3W652-SCC	3W16357.D	04/20/10	04:09	22:09	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1071-BFB	**Injection Date:**	04/12/10
Lab File ID:	W25852.D	**Injection Time:**	20:23
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6885	17.7		Pass
75	30.0 - 66.0% of mass 95	17919	46.2		Pass
95	Base peak, 100% relative abundance	38810	100.0		Pass
96	5.0 - 9.0% of mass 95	2629	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	33261	85.7		Pass
175	4.0 - 9.01% of mass 174	2455	6.3	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	32242	83.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2176	5.6	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1071-ICC1071	W25853.D	04/12/10	21:04	00:41	Initial cal 10
VW1071-IC1071	W25857.D	04/13/10	00:29	04:06	Initial cal 20
VW1071-IC1071	W25858.D	04/13/10	01:10	04:47	Initial cal 5.0
VW1071-IC1071	W25859.D	04/13/10	01:51	05:28	Initial cal 0.1
VW1071-IC1071	W25860.D	04/13/10	02:33	06:10	Initial cal 0.04
VW1071-IC1071	W25861.D	04/13/10	03:55	07:32	Initial cal 5.0
VW1071-IC1071	W25862.D	04/13/10	04:36	08:13	Initial cal 10
VW1071-IC1071	W25863.D	04/13/10	05:17	08:54	Initial cal 40
VW1071-IC1071	W25864.D	04/13/10	05:58	09:35	Initial cal 0.5
VW1071-IC1071	W25865.D	04/13/10	06:39	10:16	Initial cal 0.2
VW1071-IC1071	W25866.D	04/13/10	08:02	11:39	Initial cal 20
VW1071-IC1071	W25867.D	04/13/10	08:43	12:20	Initial cal 40
VW1071-IC1071	W25868.D	04/13/10	12:03	15:40	Initial cal 0.5
VW1071-IC1071	W25869.D	04/13/10	12:44	16:21	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1077-BFB	**Injection Date:**	04/20/10
Lab File ID:	W25989.D	**Injection Time:**	06:42
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	3529	21.7		Pass
75	30.0 - 66.0% of mass 95	8649	53.1		Pass
95	Base peak, 100% relative abundance	16295	100.0		Pass
96	5.0 - 9.0% of mass 95	1189	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	12792	78.5		Pass
175	4.0 - 9.01% of mass 174	942	5.8	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	12557	77.1	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	820	5.0	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1077-CC1071	W25990.D	04/20/10	08:10	01:28	Continuing cal 10
VW1077-BS	W25991.D	04/20/10	08:51	02:09	Blank Spike
VW1077-BSD	W25992.D	04/20/10	10:13	03:31	Blank Spike Duplicate
VW1077-MB	W25993.D	04/20/10	11:37	04:55	Method Blank
VW1077-SCC	W25993A.D	04/20/10	11:37	04:55	Summa Cleaning Certification
ZZZZZZ	W25994.D	04/20/10	12:18	05:36	(unrelated sample)
JA44560-1	W25995.D	04/20/10	13:00	06:18	(used for QC only; not part of job JA45062)
JA44560-1DUP	W25996.D	04/20/10	13:41	06:59	Duplicate
ZZZZZZ	W25997.D	04/20/10	15:02	08:20	(unrelated sample)
ZZZZZZ	W25998.D	04/20/10	15:44	09:02	(unrelated sample)
ZZZZZZ	W25999.D	04/20/10	16:25	09:43	(unrelated sample)
ZZZZZZ	W26000.D	04/20/10	17:05	10:23	(unrelated sample)
ZZZZZZ	W26001.D	04/20/10	17:46	11:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-BFB
Lab File ID: W26016.D
Instrument ID: GCMSW
Injection Date: 04/21/10
Injection Time: 06:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4152	19.7		Pass
75	30.0 - 66.0% of mass 95	10651	50.5		Pass
95	Base peak, 100% relative abundance	21093	100.0		Pass
96	5.0 - 9.0% of mass 95	1579	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	17115	81.1		Pass
175	4.0 - 9.01% of mass 174	1253	5.9	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	16545	78.4	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1128	5.3	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1078-CC1071	W26017.D	04/21/10	07:44	01:29	Continuing cal 10
VW1078-BS	W26018.D	04/21/10	08:26	02:11	Blank Spike
VW1078-BSD	W26019.D	04/21/10	09:07	02:52	Blank Spike Duplicate
VW1078-MB	W26020.D	04/21/10	10:29	04:14	Method Blank
VW1078-SCC	W26020A.D	04/21/10	10:29	04:14	Summa Cleaning Certification
ZZZZZZ	W26021.D	04/21/10	11:16	05:01	(unrelated sample)
ZZZZZZ	W26023.D	04/21/10	11:58	05:43	(unrelated sample)
ZZZZZZ	W26024.D	04/21/10	13:20	07:05	(unrelated sample)
ZZZZZZ	W26025.D	04/21/10	14:00	07:45	(unrelated sample)
ZZZZZZ	W26026.D	04/21/10	14:41	08:26	(unrelated sample)
ZZZZZZ	W26027.D	04/21/10	15:22	09:07	(unrelated sample)
ZZZZZZ	W26028.D	04/21/10	16:04	09:49	(unrelated sample)
JA44560-19	W26029.D	04/21/10	17:26	11:11	(used for QC only; not part of job JA45062)
JA44560-19DUP	W26030.D	04/21/10	18:07	11:52	Duplicate
ZZZZZZ	W26031.D	04/21/10	18:47	12:32	(unrelated sample)
ZZZZZZ	W26032.D	04/21/10	19:28	13:13	(unrelated sample)
ZZZZZZ	W26033.D	04/21/10	20:51	14:36	(unrelated sample)
ZZZZZZ	W26034.D	04/21/10	21:32	15:17	(unrelated sample)
ZZZZZZ	W26035.D	04/21/10	22:13	15:58	(unrelated sample)
ZZZZZZ	W26036.D	04/21/10	22:54	16:39	(unrelated sample)
ZZZZZZ	W26037.D	04/22/10	00:16	18:01	(unrelated sample)
ZZZZZZ	W26038.D	04/22/10	00:57	18:42	(unrelated sample)
ZZZZZZ	W26039.D	04/22/10	01:38	19:23	(unrelated sample)
ZZZZZZ	W26040.D	04/22/10	02:19	20:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1078-BFB	**Injection Date:**	04/21/10
Lab File ID:	W26016.D	**Injection Time:**	06:15
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W26041.D	04/22/10	03:41	21:26	(unrelated sample)
ZZZZZZ	W26042.D	04/22/10	04:22	22:07	(unrelated sample)
ZZZZZZ	W26043.D	04/22/10	05:04	22:49	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1126-CC1118	**Injection Date:**	04/15/10
Lab File ID:	2W26779.D	**Injection Time:**	11:47
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	285110	9.29	1204508	11.16	552239	15.64
Upper Limit [a]	399154	9.62	1686311	11.49	773135	15.97
Lower Limit [b]	171066	8.96	722705	10.83	331343	15.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1126-BS	268506	9.29	1140739	11.16	524095	15.64
V2W1126-BSD	274747	9.29	1232340	11.16	576471	15.64
V2W1126-MB	299987	9.29	1223769	11.15	467934	15.64
V2W1126-SCC	299987	9.29	1223769	11.15	467934	15.64
JA44210-1	284270	9.29	1188550	11.16	513854	15.64
JA44210-1DUP	295226	9.30	1226844	11.16	535468	15.64
ZZZZZZ	281653	9.30	1198226	11.16	501170	15.64
ZZZZZZ	342905	9.30	1409741	11.16	687224	15.64
ZZZZZZ	315975	9.32	1277533	11.17	556438	15.64
ZZZZZZ	314697	9.29	1191717	11.16	489374	15.64
ZZZZZZ	306788	9.29	1199484	11.16	490391	15.64
ZZZZZZ	287699	9.30	1109223	11.16	470795	15.64
ZZZZZZ	303294	9.30	1273916	11.16	558317	15.64
ZZZZZZ	322470	9.30	1332269	11.16	554796	15.64
ZZZZZZ	319095	9.30	1360106	11.16	600340	15.64
ZZZZZZ	299691	9.29	1216494	11.16	501328	15.64
ZZZZZZ	290165	9.30	1214800	11.16	522523	15.64
ZZZZZZ	289490	9.30	1265224	11.16	549000	15.64
ZZZZZZ	295363	9.30	1249969	11.16	525399	15.64
V2W1126-SCC	284397	9.28	1220745	11.15	512837	15.64

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1140-CC1138	**Injection Date:**	05/03/10
Lab File ID:	2W27058.D	**Injection Time:**	09:28
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	307306	9.27	1547171	11.14	874027	15.62
Upper Limit [a]	430228	9.60	2166039	11.47	1223638	15.95
Lower Limit [b]	184384	8.94	928303	10.81	524416	15.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1140-BS	341152	9.27	1699136	11.14	966175	15.62
V2W1140-BSD	306050	9.27	1535978	11.14	871262	15.62
V2W1140-MB	325435	9.27	1488080	11.13	672273	15.62
V2W1140-SCC	325435	9.27	1488080	11.13	672273	15.62
ZZZZZZ	346712	9.28	1714364	11.14	898425	15.62
ZZZZZZ	398363	9.27	1905014	11.14	936734	15.62
JA45062-1	317950	9.28	1573542	11.14	774143	15.62
JA45062-1DUP	319203	9.28	1524177	11.14	730178	15.62
ZZZZZZ	366063	9.28	1780905	11.14	891935	15.62
JA45062-6	404349	9.27	1700726	11.14	1071159	15.62
JA45062-7	372123	9.28	1603200	11.14	1055697	15.62
JA45062-8	387665	9.28	1630053	11.14	1005842	15.62
JA45062-9	370913	9.27	1473096	11.14	858244	15.62
JA45062-11	389179	9.28	1641318	11.14	920923	15.62
JA45062-12	392806	9.27	1713083	11.13	956364	15.62
ZZZZZZ	375257	9.28	1674798	11.14	917406	15.62
ZZZZZZ	385458	9.28	1739780	11.14	948501	15.62
ZZZZZZ	352001	9.28	1458180	11.14	747658	15.62
ZZZZZZ	344722	9.28	1597138	11.14	900781	15.62
ZZZZZZ	368346	9.28	1800313	11.14	994610	15.62
ZZZZZZ	325937	9.27	1495144	11.13	808111	15.62
JA45062-2	295287	9.27	1377787	11.13	760899	15.62

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1142-CC1139	**Injection Date:**	05/04/10
Lab File ID:	2W27086A.D	**Injection Time:**	10:34
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	283839	9.27	1385045	11.14	800360	15.62
Upper Limit [a]	397375	9.60	1939063	11.47	1120504	15.95
Lower Limit [b]	170303	8.94	831027	10.81	480216	15.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1141-BS	278223	9.27	1393355	11.13	825673	15.62
V2W1141-BSD	290759	9.27	1432065	11.13	820688	15.62
V2W1141-MB	300216	9.27	1434085	11.14	680354	15.62
V2W1141-SCC	300216	9.27	1434085	11.14	680354	15.62
V2W1142-MB	295259	9.27	1421328	11.14	660454	15.62
V2W1142-LCS	273025	9.27	1310293	11.14	603456	15.62
V2W1142-SCC	249945	9.27	1205732	11.13	571317	15.62
V2W1142-ECC1139	315393	9.27	1619703	11.14	889578	15.62
JA45062-4	292049	9.27	1450755	11.14	741121	15.62
JA45062-5	309299	9.27	1611391	11.13	879346	15.62
JA45062-13	299841	9.27	1392404	11.14	730059	15.62
JA45062-13DUP	312542	9.27	1583789	11.13	855141	15.62
JA45062-14	268040	9.28	1269392	11.14	672104	15.62
JA45062-15	331787	9.27	1607775	11.13	854592	15.62
JA45062-16	340924	9.28	1570475	11.13	809786	15.62
JA45062-17	313122	9.27	1564282	11.13	832727	15.62
JA45062-18	340767	9.27	1654921	11.13	888530	15.62
JA45062-10	307962	9.27	1377516	11.13	709202	15.62
JA45062-19	312512	9.27	1482866	11.13	762317	15.62
JA45062-20	306827	9.27	1564851	11.13	851326	15.62
JA45062-21	292559	9.28	1428869	11.13	787088	15.62
V2W1141-SCC	331646	9.27	1571968	11.13	842656	15.62

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1141-CC1138	**Injection Date:**	05/04/10
Lab File ID:	2W27086.D	**Injection Time:**	10:34
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	288025	9.27	1393097	11.14	807409	15.62
Upper Limit [a]	403235	9.60	1950336	11.47	1130373	15.95
Lower Limit [b]	172815	8.94	835858	10.81	484445	15.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1141-BS	278223	9.27	1393355	11.13	825673	15.62
V2W1141-BSD	290759	9.27	1432065	11.13	820688	15.62
V2W1141-MB	300216	9.27	1434085	11.14	680354	15.62
V2W1141-SCC	300216	9.27	1434085	11.14	680354	15.62
V2W1142-MB	295259	9.27	1421328	11.14	660454	15.62
V2W1142-LCS	273025	9.27	1310293	11.14	603456	15.62
V2W1142-SCC	249945	9.27	1205732	11.13	571317	15.62
V2W1142-ECC1139	315393	9.27	1619703	11.14	889578	15.62

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1143-CC1138	**Injection Date:**	05/05/10
Lab File ID:	2W27111.D	**Injection Time:**	12:40
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	253055	9.27	1229615	11.13	740667	15.62
Upper Limit [a]	354277	9.60	1721461	11.46	1036934	15.95
Lower Limit [b]	151833	8.94	737769	10.80	444400	15.29

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1143-BS	265012	9.27	1348943	11.14	794531	15.62
V2W1143-BSD	271050	9.27	1340970	11.14	779873	15.62
V2W1143-MB	268270	9.27	1305719	11.13	650267	15.62
V2W1143-SCC	268270	9.27	1305719	11.13	650267	15.62
ZZZZZZ	281761	9.27	1387713	11.13	805126	15.62
ZZZZZZ	241762	9.27	1286882	11.13	873468	15.62
ZZZZZZ	244246	9.27	1221367	11.13	843150	15.62
ZZZZZZ	252141	9.27	1119790	11.13	622428	15.62
JA45065-5	243186	9.27	1087953	11.13	583875	15.62
JA45065-5DUP	239738	9.27	1122394	11.13	571983	15.62
ZZZZZZ	277661	9.27	1292307	11.13	665026	15.62
ZZZZZZ	289466	9.27	1402415	11.13	688917	15.62
JA45062-23	235756	9.27	1123607	11.13	534768	15.62
JA45062-24	251067	9.27	1256930	11.13	617575	15.62
JA45062-25	250109	9.27	1308897	11.13	676708	15.62
JA45062-26	183393	9.27	926314	11.13	476492	15.62
JA45062-27	237575	9.27	1173081	11.13	595960	15.62
ZZZZZZ	256871	9.27	1280268	11.13	656678	15.62
ZZZZZZ	265109	9.27	1265569	11.13	623875	15.62
ZZZZZZ	244811	9.27	1228007	11.13	637626	15.62
ZZZZZZ	254532	9.27	1293587	11.13	699712	15.62
ZZZZZZ	257794	9.27	1303535	11.13	682909	15.62
ZZZZZZ	244461	9.27	1231029	11.13	693019	15.62
V2W1143-SCC	261689	9.27	1224966	11.13	604232	15.62
ZZZZZZ	235004	9.27	1195477	11.13	668328	15.62

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V3W651-CC644	**Injection Date:**	04/16/10
Lab File ID:	3W16310.D	**Injection Time:**	07:36
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	90292	7.67	448790	9.36	237714	13.59
Upper Limit [a]	126409	8.00	628306	9.69	332800	13.92
Lower Limit [b]	54175	7.34	269274	9.03	142628	13.26

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W651-BS	95503	7.67	477460	9.36	252410	13.59
V3W651-BSD	98316	7.68	481266	9.37	249053	13.60
V3W651-SCC	99418	7.66	461301	9.35	205093	13.59
V3W651-MB	99418	7.66	461301	9.35	205093	13.59
JA44218-1	101822	7.66	467696	9.35	210021	13.58
JA44218-1DUP	96484	7.66	442926	9.35	201829	13.58
ZZZZZZ	90704	7.66	416806	9.35	195158	13.58
ZZZZZZ	85631	7.67	403827	9.36	193636	13.59
ZZZZZZ	88483	7.66	413834	9.35	199676	13.58
ZZZZZZ	93716	7.66	450382	9.35	210260	13.59
ZZZZZZ	94845	7.66	447137	9.35	216489	13.58
ZZZZZZ	95150	7.67	443925	9.37	212954	13.59
ZZZZZZ	102035	7.66	464098	9.35	209562	13.59
ZZZZZZ	97565	7.66	460111	9.35	210237	13.58
ZZZZZZ	91620	7.66	429747	9.35	195835	13.58
ZZZZZZ	89092	7.66	407898	9.35	185884	13.58
ZZZZZZ	84253	7.67	382538	9.37	179864	13.59
ZZZZZZ	81066	7.66	386907	9.35	185350	13.58

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V3W652-CC644	**Injection Date:**	04/19/10
Lab File ID:	3W16331.D	**Injection Time:**	06:39
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	81773	7.66	400032	9.35	208913	13.58
Upper Limit [a]	114482	7.99	560045	9.68	292478	13.91
Lower Limit [b]	49064	7.33	240019	9.02	125348	13.25

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W652-BS	87357	7.65	423433	9.34	219191	13.58
V3W652-BSD	92891	7.65	458902	9.34	241346	13.58
V3W652-MB	92580	7.66	423770	9.35	189579	13.58
V3W652-SCC	92580	7.66	423770	9.35	189579	13.58
ZZZZZZ	80976	7.65	403497	9.34	198721	13.58
ZZZZZZ	90386	7.66	417818	9.35	195786	13.58
ZZZZZZ	87323	7.66	424008	9.34	216026	13.60
ZZZZZZ	95247	7.64	437384	9.32	196490	13.57
ZZZZZZ	87316	7.63	404548	9.32	171589	13.57
ZZZZZZ	84626	7.63	401498	9.33	167016	13.57
ZZZZZZ	96147	7.63	400724	9.32	193071	13.57
ZZZZZZ	85445	7.64	402053	9.33	186336	13.57
ZZZZZZ	89510	7.64	426312	9.33	200303	13.57
JA44505-3	94975	7.63	444787	9.32	191776	13.57
JA44505-3DUP	93452	7.63	407392	9.32	184408	13.57
ZZZZZZ	93201	7.64	410347	9.33	190136	13.57
ZZZZZZ	88501	7.64	430853	9.33	207164	13.57
ZZZZZZ	95602	7.64	445862	9.34	286353	13.56
ZZZZZZ	104994	7.63	455442	9.32	199482	13.57
V3W652-SCC	93952	7.63	389819	9.33	173584	13.57

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1077-CC1071	**Injection Date:**	04/20/10
Lab File ID:	W25990.D	**Injection Time:**	08:10
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	70450	8.99	314421	10.77	161012	15.11
Upper Limit [a]	98630	9.32	440189	11.10	225417	15.44
Lower Limit [b]	42270	8.66	188653	10.44	96607	14.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1077-BS	70412	8.98	317594	10.77	168569	15.11
VW1077-BSD	71504	8.99	327612	10.77	169037	15.11
VW1077-MB	64029	8.97	300143	10.75	140369	15.10
VW1077-SCC	64029	8.97	300143	10.75	140369	15.10
ZZZZZZ	61692	8.97	294735	10.76	144377	15.11
JA44560-1	55132	8.97	241566	10.75	120883	15.10
JA44560-1DUP	56725	8.97	259493	10.75	121697	15.10
ZZZZZZ	63168	8.97	294883	10.75	142165	15.10
ZZZZZZ	58624	8.98	275108	10.77	140422	15.11
ZZZZZZ	59115	8.97	265591	10.76	129674	15.11
ZZZZZZ	56126	8.98	237104	10.77	116595	15.11
ZZZZZZ	57706	8.97	263491	10.75	132069	15.10

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1078-CC1071	**Injection Date:**	04/21/10
Lab File ID:	W26017.D	**Injection Time:**	07:44
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	63623	8.97	275702	10.77	146728	15.11
Upper Limit [a]	89072	9.30	385983	11.10	205419	15.44
Lower Limit [b]	38174	8.64	165421	10.44	88037	14.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1078-BS	64150	8.98	279680	10.77	151004	15.11
VW1078-BSD	66281	8.97	297106	10.76	157015	15.11
VW1078-MB	57016	8.97	239297	10.75	107534	15.10
VW1078-SCC	57016	8.97	239297	10.75	107534	15.10
ZZZZZZ	59653	8.98	261338	10.76	122121	15.11
ZZZZZZ	55140	8.97	240875	10.75	131792	15.10
ZZZZZZ	61912	8.97	261624	10.75	137198	15.10
ZZZZZZ	62233	8.97	283474	10.75	138425	15.11
ZZZZZZ	60255	8.97	271628	10.76	135355	15.11
ZZZZZZ	58011	8.97	254860	10.75	131434	15.10
ZZZZZZ	56783	8.97	246102	10.75	101010	15.10
JA44560-19	68762	8.97	339915	10.75	174340	15.10
JA44560-19DUP	64708	8.96	324158	10.75	170932	15.10
ZZZZZZ	62793	8.98	312643	10.76	152921	15.11
ZZZZZZ	58974	8.97	266930	10.75	141281	15.11
ZZZZZZ	59709	8.96	265017	10.75	125987	15.09
ZZZZZZ	62512	8.96	304563	10.75	150554	15.09
ZZZZZZ	53748	8.97	238675	10.76	117392	15.11
ZZZZZZ	53784	8.98	241544	10.77	120505	15.11
ZZZZZZ	56209	8.96	241395	10.75	112482	15.10
ZZZZZZ	54832	8.96	243365	10.75	108699	15.10
ZZZZZZ	62522	8.97	315227	10.75	161441	15.11
ZZZZZZ	52420	8.97	253367	10.75	125435	15.10
ZZZZZZ	43705	8.97	188465	10.75	97570	15.10
ZZZZZZ	48642	8.97	240511	10.75	121720	15.10
ZZZZZZ	45654	8.96	218083	10.75	112612	15.10

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.30	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.30	0.596	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.16	1.062	ok	1.061	1.001-1.121
Bromoform	16.40	15.65	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.30	0.623	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.01	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.60	11.16	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.16	1.069	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.09	9.30	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.23	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.75	11.16	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.16	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.07	9.30	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.31	9.30	1.001	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.31	9.30	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.97	9.30	0.534	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.01	15.65	0.895	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.69	9.30	0.719	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.30	0.934	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.75	11.16	1.142	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.33	9.30	0.896	ok	0.899	0.839-0.959
Methylmethacrylate	12.06	11.16	1.081	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
Pentane	6.84	9.30	0.735	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.81	15.65	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.47	11.16	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.22	9.30	0.776	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.81	9.30	1.055	ok	1.059	0.999-1.119
Toluene	13.74	11.16	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.30	0.708	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.30	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.43	9.30	0.906	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	263849	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1076317	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	436737	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.51	9.30	0.700	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.30	0.596	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.16	1.062	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.91	15.65	1.208	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.65	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.55	9.30	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.41	9.30	1.012	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.36	9.30	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.30	0.771	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.45	15.65	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.11	9.30	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.16	1.040	ok	1.040	0.980-1.100
1,4-Dioxane	12.02	11.16	1.077	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.11	9.30	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.16	1.143	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.65	1.210	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.65	1.215	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.16	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.12	9.30	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.35	9.30	1.005	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.31	9.30	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.97	9.30	0.534	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.30	0.988	ok	0.987	0.927-1.047
2-Hexanone	14.07	15.65	0.899	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.77	9.30	0.728	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.74	9.30	0.940	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.80	11.16	1.147	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.37	9.30	0.900	ok	0.899	0.839-0.959
Methylmethacrylate	12.09	11.16	1.083	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.30	1.114	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.47	11.16	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.65	1.363	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.33	9.30	0.788	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.89	9.30	1.063	ok	1.059	0.999-1.119
Toluene	13.74	11.16	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.30	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.30	0.586	ok	0.585	0.525-0.645
Vinyl Acetate	8.44	9.30	0.908	ok	0.908	0.848-0.968
m,p-Xylene	16.25	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	280494	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1096228	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	393375	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.30	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.30	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.30	0.566	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.60	11.17	1.038	ok	1.040	0.980-1.100
1,4-Dioxane	11.92	11.17	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.30	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.23	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.17	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.07	9.30	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.30	1.000	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.17	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	13.99	15.65	0.894	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.69	9.30	0.719	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.68	9.30	0.933	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.73	11.17	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.30	0.895	ok	0.899	0.839-0.959
Methylmethacrylate	12.06	11.17	1.080	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.03	9.30	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.21	9.30	0.775	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.30	1.054	ok	1.059	0.999-1.119
Toluene	13.74	11.17	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.30	0.585	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	285266	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1241829	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	517881	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.30	0.699	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.83	11.17	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.94	9.30	0.639	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.30	0.895	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.30	0.771	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.17	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.99	11.17	1.073	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.30	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.30	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.30	11.17	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.12	9.30	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.33	9.30	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.30	0.804	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.03	11.17	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.05	15.65	0.898	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.75	9.30	0.726	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.73	9.30	0.939	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.78	11.17	1.144	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.36	9.30	0.899	ok	0.899	0.839-0.959
Methylmethacrylate	12.08	11.17	1.081	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.65	1.363	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.31	9.30	0.786	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.87	9.30	1.061	ok	1.059	0.999-1.119
Toluene	13.74	11.17	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.30	0.585	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	306364	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1264485	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	492398	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.31	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.31	0.596	ok	0.596	0.536-0.656
Benzene	10.84	11.18	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.86	11.18	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.66	1.048	ok	1.048	0.988-1.108
Bromomethane	5.80	9.31	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.31	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.31	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.66	1.208	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.66	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.66	1.214	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.66	1.194	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.31	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.71	15.66	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.31	0.538	ok	0.538	0.478-0.598
Chloroethane	5.93	9.31	0.637	ok	0.638	0.578-0.698
Chloroform	9.41	9.31	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.31	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.38	9.31	0.793	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.31	1.179	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.18	0.986	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.31	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.31	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.66	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.31	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.18	1.038	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.18	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.31	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.66	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.11	9.31	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.31	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.18	1.141	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.66	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.66	1.239	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.66	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.30	11.18	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.21	11.18	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.04	9.31	1.078	ok	1.078	1.018-1.138
Ethanol	6.09	9.31	0.654	ok	0.655	0.595-0.715
Ethylbenzene	16.07	15.66	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.31	0.999	ok	1.003	0.943-1.063
4-Ethyltoluene	18.16	15.66	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.31	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.31	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.31	0.682	ok	0.683	0.623-0.743
Freon 123A	6.40	9.31	0.687	ok	0.688	0.628-0.748
Freon 152A	4.97	9.31	0.534	ok	0.535	0.475-0.595
Heptane	12.03	11.18	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.66	1.394	ok	1.395	1.335-1.455
Hexane	9.19	9.31	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.01	15.66	0.895	ok	0.897	0.837-0.957
Iodomethane	7.12	9.31	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.66	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.71	9.31	0.721	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.66	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.31	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.31	0.933	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.74	11.18	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.31	0.894	ok	0.899	0.839-0.959
Methylmethacrylate	12.07	11.18	1.080	ok	1.082	1.022-1.142
Nonane	16.91	15.66	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.66	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.31	0.736	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Propylene	5.04	9.31	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.66	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.31	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.66	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.66	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.49	11.18	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.66	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.66	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.25	15.66	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.77	11.18	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.23	9.31	0.777	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.66	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.31	1.053	ok	1.059	0.999-1.119
Toluene	13.75	11.18	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.87	11.18	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.31	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.31	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.44	9.31	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.66	1.038	ok	1.038	0.978-1.098
o-Xylene	16.79	15.66	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.31	ok	9.30	8.97-9.63	286455	ok	292906	175744-410068
1,4-Difluorobenzene	11.18	ok	11.17	10.84-11.50	1282511	ok	1246769	748061-1745477
Chlorobenzene-D5	15.66	ok	15.65	15.32-15.98	593195	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.52	9.30	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.56	9.30	0.598	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.84	11.16	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.30	0.540	ok	0.538	0.478-0.598
Chloroethane	5.94	9.30	0.639	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.24	9.30	0.563	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.30	0.895	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.16	1.040	ok	1.040	0.980-1.100
1,4-Dioxane	12.02	11.16	1.077	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.09	9.30	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.09	9.30	0.870	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.75	11.16	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.18	11.16	1.002	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.10	9.30	0.656	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.36	9.30	1.006	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.30	0.988	ok	0.987	0.927-1.047
2-Hexanone	14.06	15.65	0.898	ok	0.897	0.837-0.957
Iodomethane	7.12	9.30	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.65	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.77	9.30	0.728	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.75	9.30	0.941	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.82	11.16	1.149	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.39	9.30	0.902	ok	0.899	0.839-0.959
Methylmethacrylate	12.08	11.16	1.082	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.81	15.65	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.16	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.33	9.30	0.788	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.90	9.30	1.065	ok	1.059	0.999-1.119
Toluene	13.75	11.16	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.30	0.586	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.65	1.039	ok	1.038	0.978-1.098
o-Xylene	16.79	15.65	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	308723	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1317314	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	524561	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.53	9.31	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.56	9.31	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.31	0.624	ok	0.623	0.563-0.683
Bromoethene	6.26	9.31	0.672	ok	0.671	0.611-0.731
n-Butane	5.58	9.31	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.68	15.65	1.258	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.58	9.31	0.814	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.00	9.31	0.537	ok	0.538	0.478-0.598
Chloroethane	5.93	9.31	0.637	ok	0.638	0.578-0.698
Chloroform	9.41	9.31	1.011	ok	1.011	0.951-1.071
Chloromethane	5.27	9.31	0.566	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.31	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.31	1.179	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.31	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.19	9.31	0.772	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.31	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.63	11.17	1.041	ok	1.040	0.980-1.100
1,4-Dioxane	12.11	11.17	1.084	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.11	9.31	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.12	9.31	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.31	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.65	1.215	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.17	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.31	1.077	ok	1.078	1.018-1.138
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.39	9.31	1.009	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.49	9.31	0.805	ok	0.803	0.743-0.863
Freon 114	5.33	9.31	0.573	ok	0.572	0.512-0.632
Freon 123	6.36	9.31	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.31	0.687	ok	0.688	0.628-0.748
Freon 152A	4.98	9.31	0.535	ok	0.535	0.475-0.595
Heptane	12.03	11.17	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.31	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.15	15.65	0.904	ok	0.897	0.837-0.957
Iodomethane	7.13	9.31	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.65	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.85	9.31	0.736	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.31	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.79	9.31	0.944	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.84	11.17	1.150	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.43	9.31	0.905	ok	0.899	0.839-0.959
Methylmethacrylate	12.11	11.17	1.084	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.86	9.31	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.99	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.31	0.541	ok	0.542	0.482-0.602
Styrene	16.67	15.65	1.065	ok	1.066	1.006-1.126

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.36	9.31	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.34	15.65	1.364	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.44	9.31	0.799	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.95	9.31	1.069	ok	1.059	0.999-1.119
Toluene	13.75	11.17	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.31	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.31	0.585	ok	0.585	0.525-0.645
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.31	ok	9.30	8.97-9.63	308704	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1339907	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	520785	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.55	9.30	0.704	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.84	11.17	1.060	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.30	0.625	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.69	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.99	9.30	0.537	ok	0.538	0.478-0.598
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
3-Chloropropene	7.36	9.30	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	17.98	15.65	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.04	11.17	0.988	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.13	9.30	1.089	ok	1.088	1.028-1.148
Dichlorodifluoromethane	5.11	9.30	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.22	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.13	9.30	0.874	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.30	0.985	ok	0.984	0.924-1.044
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.28	11.17	1.189	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.19	11.17	1.002	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.46	9.30	0.802	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.17	1.076	ok	1.077	1.017-1.137
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
Iodomethane	7.12	9.30	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.80	9.30	0.731	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.29	9.30	0.784	ok	0.784	0.724-0.844
Methyl Tert Butyl Ether	8.41	9.30	0.904	ok	0.899	0.839-0.959
Methylmethacrylate	12.10	11.17	1.083	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Styrene	16.67	15.65	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	11.77	11.17	1.054	ok	1.053	0.993-1.113
Tetrachloroethylene	14.95	15.65	0.955	ok	0.955	0.895-1.015
Toluene	13.75	11.17	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.30	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.30	0.584	ok	0.585	0.525-0.645
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.65	1.071	ok	1.072	1.012-1.132

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	280710	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1155169	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	458858	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.32	0.694	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.32	0.595	ok	0.596	0.536-0.656
Benzene	10.84	11.18	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.86	11.18	1.061	ok	1.061	1.001-1.121
Bromoform	16.43	15.66	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.32	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.32	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.32	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.93	15.66	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.66	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.02	15.66	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.71	15.66	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.57	9.32	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.72	15.66	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.32	0.539	ok	0.538	0.478-0.598
Chloroethane	5.94	9.32	0.637	ok	0.638	0.578-0.698
Chloroform	9.42	9.32	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.32	0.564	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.32	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.32	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.03	11.18	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.32	0.893	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.32	0.769	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.47	15.66	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.13	9.32	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.62	11.18	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.18	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.32	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.25	15.66	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.12	9.32	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.32	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.77	11.18	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.66	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.66	1.239	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.66	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.31	11.18	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.21	11.18	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.04	9.32	1.077	ok	1.078	1.018-1.138
Ethanol	6.09	9.32	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.07	15.66	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.32	0.998	ok	1.003	0.943-1.063
4-Ethyltoluene	18.16	15.66	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.32	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.32	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.32	0.681	ok	0.683	0.623-0.743
Freon 123A	6.41	9.32	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.32	0.534	ok	0.535	0.475-0.595
Heptane	12.03	11.18	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.84	15.66	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.32	0.986	ok	0.987	0.927-1.047
2-Hexanone	14.00	15.66	0.894	ok	0.897	0.837-0.957
Iodomethane	7.12	9.32	0.764	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.66	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.71	9.32	0.720	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.19	15.66	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.32	0.783	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.32	0.932	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.74	11.18	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.32	0.893	ok	0.899	0.839-0.959
Methylmethacrylate	12.07	11.18	1.080	ok	1.082	1.022-1.142
Nonane	16.91	15.66	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.66	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.32	0.735	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Propylene	5.04	9.32	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.69	15.66	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.32	1.112	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.68	15.66	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.83	15.66	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.49	11.18	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.66	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.72	15.66	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.25	15.66	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.77	11.18	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.23	9.32	0.776	ok	0.783	0.723-0.843
Tetrachloroethylene	14.95	15.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.32	1.052	ok	1.059	0.999-1.119
Toluene	13.76	11.18	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.88	11.18	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.32	0.708	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.32	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.32	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.66	1.038	ok	1.038	0.978-1.098
o-Xylene	16.79	15.66	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.32	ok	9.30	8.97-9.63	268015	ok	292906	175744-410068
1,4-Difluorobenzene	11.18	ok	11.17	10.84-11.50	1197825	ok	1246769	748061-1745477
Chlorobenzene-D5	15.66	ok	15.65	15.32-15.98	637497	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.48	15.65	1.373 ok	1.372	1.312-1.432

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30 ok	9.30	8.97-9.63	292745 ok	292906	175744-410068
1,4-Difluorobenzene	11.17 ok	11.17	10.84-11.50	1233631 ok	1246769	748061-1745477
Chlorobenzene-D5	15.65 ok	15.65	15.32-15.98	518707 ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.46	15.65	1.371	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	325486	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1378449	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	561963	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	306063	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1332896	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	558998	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	314308	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1354673	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	563245	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47		15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	292108	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1221418	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	511500	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	274293	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1208890	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	537205	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.45	9.27	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.89	15.62	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.64	15.62	1.257	ok	1.258	1.198-1.318
sec-Butylbenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.67	15.62	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.27	0.540	ok	0.542	0.482-0.602
Chloroethane	5.92	9.27	0.639	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.93	9.27	1.179	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.42	15.62	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.88	11.13	1.067	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.07	9.27	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.17	11.13	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.05	9.27	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.27	9.27	1.000	ok	1.001	0.941-1.061
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	13.96	15.62	0.894	ok	0.896	0.836-0.956
Iodomethane	7.09	9.27	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.67	9.27	0.720	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.65	9.27	0.933	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.70	11.13	1.141	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.29	9.27	0.894	ok	0.899	0.839-0.959
Methylmethacrylate	12.02	11.13	1.080	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.27	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.03	9.27	0.543	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.68	15.62	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.13	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.19	9.27	0.776	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.77	9.27	1.054	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.41	9.27	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	252937	ok	264453	158672-370234
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1228527	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	667593	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.46	9.27	0.697	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.81	11.13	1.061	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.89	15.62	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.62	1.258	ok	1.258	1.198-1.318
sec-Butylbenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.67	15.62	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.27	0.540	ok	0.542	0.482-0.602
Chloroethane	5.93	9.27	0.640	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.35	9.27	0.793	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.42	15.62	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.89	11.13	1.068	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.19	15.62	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.17	11.13	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.06	9.27	0.654	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.27	9.27	1.000	ok	1.001	0.941-1.061
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	13.98	15.62	0.895	ok	0.896	0.836-0.956
Iodomethane	7.09	9.27	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.68	9.27	0.721	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.66	9.27	0.934	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.71	11.13	1.142	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.31	9.27	0.896	ok	0.899	0.839-0.959
Methylmethacrylate	12.03	11.13	1.081	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.27	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.03	9.27	0.543	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.68	15.62	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.13	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.20	9.27	0.777	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.78	9.27	1.055	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.41	9.27	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.21	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	257130	ok	264453	158672-370234
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1215459	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	632413	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.27	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.22	9.27	0.671	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.89	15.62	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.64	15.62	1.257	ok	1.258	1.198-1.318
sec-Butylbenzene	18.99	15.62	1.216	ok	1.215	1.155-1.275
tert-Butylbenzene	18.67	15.62	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.27	0.540	ok	0.542	0.482-0.602
Chloroethane	5.91	9.27	0.638	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.27	0.567	ok	0.566	0.506-0.626
3-Chloropropene	7.36	9.27	0.794	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.97	11.13	1.075	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.27	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.27	11.13	1.192	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.18	11.13	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.01	9.27	1.080	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.10	9.27	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.27	1.003	ok	1.001	0.941-1.061
4-Ethyltoluene	18.14	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.27	0.805	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	14.02	15.62	0.898	ok	0.896	0.836-0.956
Iodomethane	7.09	9.27	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.75	9.27	0.728	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.71	9.27	0.940	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.76	11.13	1.146	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.35	9.27	0.901	ok	0.899	0.839-0.959
Methylmethacrylate	12.05	11.13	1.083	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.27	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.03	9.27	0.543	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.13	1.055	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.31	9.27	0.789	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.85	9.27	1.063	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.43	9.27	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	254516	ok	264453	158672-370234
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1207114	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	562233	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.27	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.24	9.27	0.673	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.90	15.62	1.210	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.62	1.258	ok	1.258	1.198-1.318
sec-Butylbenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.67	15.62	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.53	9.27	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.27	0.542	ok	0.542	0.482-0.602
Chloroethane	5.93	9.27	0.640	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.27	0.567	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.08	9.27	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	12.01	11.13	1.079	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.09	9.27	0.873	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.27	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.13	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.17	11.13	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.09	9.27	0.657	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.31	9.27	1.004	ok	1.001	0.941-1.061
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.32	9.27	0.574	ok	0.573	0.513-0.633
Freon 123	6.34	9.27	0.684	ok	0.683	0.623-0.743
Freon 123A	6.39	9.27	0.689	ok	0.689	0.629-0.749
Freon 152A	4.98	9.27	0.537	ok	0.536	0.476-0.596
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	14.03	15.62	0.898	ok	0.896	0.836-0.956
Iodomethane	7.08	9.27	0.764	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.76	9.27	0.729	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.73	9.27	0.942	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.78	11.13	1.148	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.36	9.27	0.902	ok	0.899	0.839-0.959
Methylmethacrylate	12.06	11.13	1.084	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.82	9.27	0.736	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.04	9.27	0.544	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.13	1.055	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.32	9.27	0.790	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.85	9.27	1.063	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.710	0.650-0.770
Vinyl chloride	5.42	9.27	0.585	ok	0.586	0.526-0.646
Vinyl Acetate	8.42	9.27	0.908	ok	0.908	0.848-0.968
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	281315	ok	264453	158672-370234
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1416822	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	661352	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.46	9.29	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.29	0.596	ok	0.597	0.537-0.657
Benzene	10.81	11.15	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.15	1.060	ok	1.061	1.001-1.121
Bromoform	16.38	15.63	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.29	0.623	ok	0.624	0.564-0.684
Bromoethene	6.24	9.29	0.672	ok	0.672	0.612-0.732
n-Butane	5.58	9.29	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.90	15.63	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.63	1.257	ok	1.258	1.198-1.318
sec-Butylbenzene	18.99	15.63	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.68	15.63	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.55	9.29	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.68	15.63	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.29	0.539	ok	0.542	0.482-0.602
Chloroethane	5.93	9.29	0.638	ok	0.639	0.579-0.699
Chloroform	9.38	9.29	1.010	ok	1.011	0.951-1.071
Chloromethane	5.25	9.29	0.565	ok	0.566	0.506-0.626
3-Chloropropene	7.36	9.29	0.792	ok	0.793	0.733-0.853
2-Chlorotoluene	17.98	15.63	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.95	9.29	1.179	ok	1.180	1.120-1.240
Cyclohexane	11.00	11.15	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.29	0.892	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.29	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.63	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.10	9.29	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.15	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.89	11.15	1.066	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.29	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.21	15.63	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.09	9.29	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.29	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.15	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.63	1.209	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.63	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.63	1.214	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.27	11.15	1.190	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.18	11.15	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.02	9.29	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.07	9.29	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.04	15.63	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.27	9.29	0.998	ok	1.001	0.941-1.061
4-Ethyltoluene	18.14	15.63	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.29	0.803	ok	0.804	0.744-0.864
Freon 114	5.32	9.29	0.573	ok	0.573	0.513-0.633
Freon 123	6.34	9.29	0.682	ok	0.683	0.623-0.743
Freon 123A	6.39	9.29	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.29	0.535	ok	0.536	0.476-0.596
Heptane	12.01	11.15	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.82	15.63	1.396	ok	1.396	1.336-1.456
Hexane	9.17	9.29	0.987	ok	0.988	0.928-1.048
2-Hexanone	13.97	15.63	0.894	ok	0.896	0.836-0.956
Iodomethane	7.10	9.29	0.764	ok	0.765	0.705-0.825
Isopropylbenzene	17.41	15.63	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.69	9.29	0.720	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.63	1.226	ok	1.227	1.167-1.287
Methylene chloride	7.28	9.29	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.66	9.29	0.932	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.71	11.15	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.30	9.29	0.893	ok	0.899	0.839-0.959
Methylmethacrylate	12.03	11.15	1.079	ok	1.081	1.021-1.141
Nonane	16.88	15.63	1.080	ok	1.081	1.021-1.141
Octane	14.64	15.63	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.29	0.735	ok	0.736	0.676-0.796
n-Propylbenzene	17.98	15.63	1.150	ok	1.151	1.091-1.211
Propylene	5.04	9.29	0.543	ok	0.543	0.483-0.603
Styrene	16.66	15.63	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.29	1.112	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.65	15.63	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.63	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.15	1.206	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.63	1.363	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.70	15.63	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.63	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.15	1.053	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.20	9.29	0.775	ok	0.783	0.723-0.843
Tetrachloroethylene	14.92	15.63	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.77	9.29	1.052	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.72	11.15	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.84	11.15	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.58	9.29	0.708	ok	0.710	0.650-0.770
Vinyl chloride	5.44	9.29	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.42	9.29	0.906	ok	0.908	0.848-0.968
m,p-Xylene	16.23	15.63	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.63	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.27	8.94-9.60	221629	ok	264453	158672-370234
1,4-Difluorobenzene	11.15	ok	11.14	10.81-11.47	1120331	ok	1297516	778510-1816522
Chlorobenzene-D5	15.63	ok	15.62	15.29-15.95	641838	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.48	9.27	0.699	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.14	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.14	1.061	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.89	15.62	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.62	1.258	ok	1.258	1.198-1.318
sec-Butylbenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.68	15.62	1.196	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.27	0.542	ok	0.542	0.482-0.602
Chloroethane	5.92	9.27	0.639	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.35	9.27	0.793	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.14	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.14	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.94	11.14	1.072	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.21	15.62	0.910	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.14	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.14	1.190	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.17	11.14	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.10	9.27	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.29	9.27	1.002	ok	1.001	0.941-1.061
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.27	0.805	ok	0.804	0.744-0.864
Freon 114	5.32	9.27	0.574	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.14	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	14.01	15.62	0.897	ok	0.896	0.836-0.956
Iodomethane	7.09	9.27	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.74	9.27	0.727	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.68	9.27	0.936	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.75	11.14	1.145	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.33	9.27	0.899	ok	0.899	0.839-0.959
Methylmethacrylate	12.05	11.14	1.082	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.27	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.04	9.27	0.544	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.14	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.14	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.28	9.27	0.785	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.82	9.27	1.059	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.14	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.14	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.42	9.27	0.908	ok	0.908	0.848-0.968
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	293715	ok	264453	158672-370234
1,4-Difluorobenzene	11.14	ok	11.14	10.81-11.47	1421381	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	651917	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.48	9.27	0.699	ok	0.698	0.638-0.758
1,3-Butadiene	5.53	9.27	0.597	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.78	9.27	0.624	ok	0.624	0.564-0.684
Bromoethene	6.24	9.27	0.673	ok	0.672	0.612-0.732
n-Butane	5.56	9.27	0.600	ok	0.601	0.541-0.661
Benzyl Chloride	18.90	15.62	1.210	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.62	1.258	ok	1.258	1.198-1.318
sec-Butylbenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.68	15.62	1.196	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.27	0.540	ok	0.542	0.482-0.602
Chloroethane	5.93	9.27	0.640	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.93	9.27	1.179	ok	1.180	1.120-1.240
Cyclohexane	10.98	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.99	11.13	1.077	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.09	9.27	0.873	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.11	9.27	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.91	15.62	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.16	11.13	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	14.02	15.62	0.898	ok	0.896	0.836-0.956
Iodomethane	7.08	9.27	0.764	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.73	9.27	0.726	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.17	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.71	9.27	0.940	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.77	11.13	1.147	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.37	9.27	0.903	ok	0.899	0.839-0.959
Methylmethacrylate	12.05	11.13	1.083	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.82	9.27	0.736	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.04	9.27	0.544	ok	0.543	0.483-0.603
Styrene	16.66	15.62	1.067	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.68	15.62	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.13	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.30	9.27	0.787	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.85	9.27	1.063	ok	1.057	0.997-1.117
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.710	0.650-0.770
Vinyl chloride	5.44	9.27	0.587	ok	0.586	0.526-0.646
Vinyl Acetate	8.42	9.27	0.908	ok	0.908	0.848-0.968
m,p-Xylene	16.21	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	304321	ok	264453	158672-370234
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1501869	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	696500	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.27	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.80	11.14	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.14	1.061	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.80	9.27	0.626	ok	0.624	0.564-0.684
Bromoethene	6.25	9.27	0.674	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.91	15.62	1.211	ok	1.210	1.150-1.270
n-Butylbenzene	19.66	15.62	1.259	ok	1.258	1.198-1.318
sec-Butylbenzene	18.99	15.62	1.216	ok	1.215	1.155-1.275
tert-Butylbenzene	18.67	15.62	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.11	9.27	0.551	ok	0.542	0.482-0.602
Chloroethane	5.91	9.27	0.638	ok	0.639	0.579-0.699
Chloroform	9.38	9.27	1.012	ok	1.011	0.951-1.071
Chloromethane	5.26	9.27	0.567	ok	0.566	0.506-0.626
3-Chloropropene	7.36	9.27	0.794	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.95	9.27	1.181	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.14	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.14	1.039	ok	1.039	0.979-1.099
Dichlorodifluoromethane	5.11	9.27	0.551	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.07	9.27	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.27	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.14	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.91	15.62	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.97	15.62	1.214	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.14	1.190	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.13	11.14	0.999	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.01	9.27	1.080	ok	1.079	1.019-1.139
Ethylbenzene	16.04	15.62	1.027	ok	1.026	0.966-1.086

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.34	9.27	0.684	ok	0.683	0.623-0.743
Freon 123A	6.40	9.27	0.690	ok	0.689	0.629-0.749
Freon 152A	4.98	9.27	0.537	ok	0.536	0.476-0.596
Heptane	12.00	11.14	1.077	ok	1.078	1.018-1.138
Hexane	9.17	9.27	0.989	ok	0.988	0.928-1.048
Iodomethane	7.10	9.27	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.40	15.62	1.114	ok	1.114	1.054-1.174
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.28	9.27	0.785	ok	0.784	0.724-0.844
Methyl Tert Butyl Ether	8.41	9.27	0.907	ok	0.899	0.839-0.959
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.83	9.27	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.98	15.62	1.151	ok	1.151	1.091-1.211
Propylene	5.03	9.27	0.543	ok	0.543	0.483-0.603
Styrene	16.66	15.62	1.067	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.65	15.62	1.002	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.80	15.62	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.14	1.207	ok	1.207	1.147-1.267
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.14	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.40	9.27	0.798	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Toluene	13.72	11.14	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.84	11.14	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.60	9.27	0.712	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	271044	ok	264453	158672-370234
1,4-Difluorobenzene	11.14	ok	11.14	10.81-11.47	1279404	ok	1297516	778510-1816522

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	554087	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.44	9.27	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.53	9.27	0.597	ok	0.597	0.537-0.657
Benzene	10.79	11.14	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.14	1.061	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.78	9.27	0.624	ok	0.624	0.564-0.684
Bromoethene	6.22	9.27	0.671	ok	0.672	0.612-0.732
n-Butane	5.57	9.27	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.89	15.62	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.65	15.62	1.258	ok	1.258	1.198-1.318
sec-Butylbenzene	18.99	15.62	1.216	ok	1.215	1.155-1.275
tert-Butylbenzene	18.68	15.62	1.196	ok	1.195	1.135-1.255
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.68	15.62	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.27	0.540	ok	0.542	0.482-0.602
Chloroethane	5.91	9.27	0.638	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.24	9.27	0.565	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.793	0.733-0.853
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.14	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.28	9.27	0.893	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.14	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.87	11.14	1.066	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.07	9.27	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.14	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.14	1.190	ok	1.191	1.131-1.251
2,3-Dimethylpentane	11.17	11.14	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.00	9.27	1.079	ok	1.079	1.019-1.139

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethanol	6.04	9.27	0.652	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.26	9.27	0.999	ok	1.001	0.941-1.061
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Freon 123	6.33	9.27	0.683	ok	0.683	0.623-0.743
Freon 123A	6.38	9.27	0.688	ok	0.689	0.629-0.749
Freon 152A	4.97	9.27	0.536	ok	0.536	0.476-0.596
Heptane	12.00	11.14	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
2-Hexanone	13.95	15.62	0.893	ok	0.896	0.836-0.956
Iodomethane	7.09	9.27	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.39	15.62	1.113	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.64	9.27	0.716	ok	0.723	0.663-0.783
p-Isopropyltoluene	19.16	15.62	1.227	ok	1.227	1.167-1.287
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.63	9.27	0.931	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	12.69	11.14	1.139	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.28	9.27	0.893	ok	0.899	0.839-0.959
Methylmethacrylate	12.02	11.14	1.079	ok	1.081	1.021-1.141
Nonane	16.88	15.62	1.081	ok	1.081	1.021-1.141
Octane	14.63	15.62	0.937	ok	0.937	0.877-0.997
Pentane	6.82	9.27	0.736	ok	0.736	0.676-0.796
n-Propylbenzene	17.97	15.62	1.150	ok	1.151	1.091-1.211
Propylene	5.03	9.27	0.543	ok	0.543	0.483-0.603
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.64	15.62	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.14	1.206	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.14	1.053	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.17	9.27	0.773	ok	0.783	0.723-0.843
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.75	9.27	1.052	ok	1.057	0.997-1.117

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1138-ICC1138	2W27037.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1138-IC1138	2W27038.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1138-IC1138	2W27039.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1138-IC1138	2W27040.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1138-IC1138	2W27041.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1138-IC1138	2W27042.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1138-IC1138	2W27043.D	04/30/10 22:49	YXC	0.1	GCMS2W	TO-15	
V2W1138-IC1138	2W27044.D	04/30/10 23:32	YXC	0.04	GCMS2W	TO-15	
V2W1138-IC1138	2W27045.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Toluene	13.71	11.14	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.14	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.710	0.650-0.770
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	8.40	9.27	0.906	ok	0.908	0.848-0.968
m,p-Xylene	16.23	15.62	1.039	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	243474	ok	264453	158672-370234
1,4-Difluorobenzene	11.14	ok	11.14	10.81-11.47	1286734	ok	1297516	778510-1816522
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	761915	ok	647761	388657-906865

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.45	9.27	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chloroethane	5.92	9.27	0.639	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.93	9.27	1.179	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.42	15.62	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.88	11.13	1.067	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.07	9.27	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
Ethanol	6.05	9.27	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.67	9.27	0.720	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.65	9.27	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.70	11.13	1.141	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.29	9.27	0.894	ok	0.897	0.837-0.957
Methylmethacrylate	12.02	11.13	1.080	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.68	15.62	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.13	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.19	9.27	0.776	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.77	9.27	1.054	ok	1.057	0.997-1.117
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	252630	ok	254648	152789-356507
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1221985	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	660125	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.46	9.27	0.697	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.81	11.13	1.061	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chloroethane	5.93	9.27	0.640	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.35	9.27	0.793	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.42	15.62	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.89	11.13	1.068	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.19	15.62	0.908	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
Ethanol	6.06	9.27	0.654	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.68	9.27	0.721	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.66	9.27	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.71	11.13	1.142	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.31	9.27	0.896	ok	0.897	0.837-0.957
Methylmethacrylate	12.03	11.13	1.081	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.68	15.62	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.13	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.20	9.27	0.777	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.78	9.27	1.055	ok	1.057	0.997-1.117
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.21	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	251363	ok	254648	152789-356507
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1206704	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	621111	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.27	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.22	9.27	0.671	ok	0.672	0.612-0.732
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chloroethane	5.91	9.27	0.638	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.27	0.567	ok	0.566	0.506-0.626
3-Chloropropene	7.36	9.27	0.794	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	11.97	11.13	1.075	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.27	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.72	11.13	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.27	11.13	1.192	ok	1.191	1.131-1.251
Ethanol	6.10	9.27	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.14	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.27	0.805	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.75	9.27	0.728	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.71	9.27	0.940	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.76	11.13	1.146	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.35	9.27	0.901	ok	0.897	0.837-0.957
Methylmethacrylate	12.05	11.13	1.083	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.13	1.055	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.31	9.27	0.789	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.84	9.27	1.061	ok	1.057	0.997-1.117
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	251234	ok	254648	152789-356507
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1196325	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	547485	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.27	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.13	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.13	1.062	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.24	9.27	0.673	ok	0.672	0.612-0.732
Carbon disulfide	7.53	9.27	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chloroethane	5.93	9.27	0.640	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.27	0.567	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.13	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.08	9.27	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.13	1.040	ok	1.039	0.979-1.099
1,4-Dioxane	12.01	11.13	1.079	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.27	0.550	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.09	9.27	0.873	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.27	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.13	1.144	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.13	1.191	ok	1.191	1.131-1.251
Ethanol	6.09	9.27	0.657	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.32	9.27	0.574	ok	0.573	0.513-0.633
Heptane	12.00	11.13	1.078	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.76	9.27	0.729	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.73	9.27	0.942	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.78	11.13	1.148	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.36	9.27	0.902	ok	0.897	0.837-0.957
Methylmethacrylate	12.06	11.13	1.084	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.13	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.13	1.055	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.32	9.27	0.790	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.86	9.27	1.064	ok	1.057	0.997-1.117
Toluene	13.71	11.13	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.13	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.42	9.27	0.585	ok	0.586	0.526-0.646
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	272967	ok	254648	152789-356507
1,4-Difluorobenzene	11.13	ok	11.14	10.81-11.47	1404192	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	642137	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.46	9.29	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.29	0.596	ok	0.597	0.537-0.657
Benzene	10.81	11.15	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.15	1.060	ok	1.061	1.001-1.121
Bromoform	16.38	15.63	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.29	0.623	ok	0.624	0.564-0.684
Bromoethene	6.24	9.29	0.672	ok	0.672	0.612-0.732
Carbon disulfide	7.55	9.29	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.68	15.63	1.003	ok	1.003	0.943-1.063
Chloroethane	5.93	9.29	0.638	ok	0.639	0.579-0.699
Chloroform	9.38	9.29	1.010	ok	1.011	0.951-1.071
Chloromethane	5.25	9.29	0.565	ok	0.566	0.506-0.626
3-Chloropropene	7.36	9.29	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	17.98	15.63	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.95	9.29	1.179	ok	1.180	1.120-1.240
Cyclohexane	11.00	11.15	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.29	0.892	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.29	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.63	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.10	9.29	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.15	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.89	11.15	1.066	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.10	9.29	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.21	15.63	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.09	9.29	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.13	9.29	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.15	1.142	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.63	1.209	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.63	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.63	1.214	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.27	11.15	1.190	ok	1.191	1.131-1.251
Ethanol	6.07	9.29	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.04	15.63	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.14	15.63	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.29	0.803	ok	0.804	0.744-0.864
Freon 114	5.32	9.29	0.573	ok	0.573	0.513-0.633
Heptane	12.01	11.15	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.82	15.63	1.396	ok	1.396	1.336-1.456
Hexane	9.17	9.29	0.987	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.69	9.29	0.720	ok	0.723	0.663-0.783
Methylene chloride	7.28	9.29	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.66	9.29	0.932	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.71	11.15	1.140	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.30	9.29	0.893	ok	0.897	0.837-0.957
Methylmethacrylate	12.03	11.15	1.079	ok	1.081	1.021-1.141
Styrene	16.66	15.63	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.29	1.112	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.63	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.15	1.206	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.63	1.363	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.70	15.63	1.196	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.63	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.15	1.053	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.20	9.29	0.775	ok	0.781	0.721-0.841
Tetrachloroethylene	14.92	15.63	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.77	9.29	1.052	ok	1.057	0.997-1.117
Toluene	13.72	11.15	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.84	11.15	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.29	0.708	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.29	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.23	15.63	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.63	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.27	8.94-9.60	220760	ok	254648	152789-356507
1,4-Difluorobenzene	11.15	ok	11.14	10.81-11.47	1113171	ok	1261428	756857-1765999
Chlorobenzene-D5	15.63	ok	15.62	15.29-15.95	635033	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.48	9.27	0.699	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.27	0.598	ok	0.597	0.537-0.657
Benzene	10.79	11.14	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.14	1.061	ok	1.061	1.001-1.121
Bromoform	16.37	15.62	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.27	0.625	ok	0.624	0.564-0.684
Bromoethene	6.23	9.27	0.672	ok	0.672	0.612-0.732
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.67	15.62	1.003	ok	1.003	0.943-1.063
Chloroethane	5.92	9.27	0.639	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.27	0.566	ok	0.566	0.506-0.626
3-Chloropropene	7.35	9.27	0.793	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.14	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.29	9.27	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.15	9.27	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.58	11.14	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.94	11.14	1.072	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.21	15.62	0.910	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.08	9.27	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.14	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.38	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.14	1.190	ok	1.191	1.131-1.251
Ethanol	6.10	9.27	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.46	9.27	0.805	ok	0.804	0.744-0.864
Freon 114	5.32	9.27	0.574	ok	0.573	0.513-0.633
Heptane	12.00	11.14	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.74	9.27	0.727	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	Reporting this level
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.68	9.27	0.936	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.75	11.14	1.145	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.33	9.27	0.899	ok	0.897	0.837-0.957
Methylmethacrylate	12.05	11.14	1.082	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.33	9.27	1.114	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.45	11.14	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.74	11.14	1.054	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.28	9.27	0.785	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.82	9.27	1.059	ok	1.057	0.997-1.117
Toluene	13.71	11.14	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.14	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.27	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.22	15.62	1.038	ok	1.038	0.978-1.098
o-Xylene	16.75	15.62	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	290106	ok	254648	152789-356507
1,4-Difluorobenzene	11.14	ok	11.14	10.81-11.47	1407639	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	637677	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.44	9.27	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.53	9.27	0.597	ok	0.597	0.537-0.657
Benzene	10.79	11.14	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.82	11.14	1.061	ok	1.061	1.001-1.121
Bromoform	16.38	15.62	1.049	ok	1.048	0.988-1.108
Bromomethane	5.78	9.27	0.624	ok	0.624	0.564-0.684
Bromoethene	6.22	9.27	0.671	ok	0.672	0.612-0.732
Carbon disulfide	7.54	9.27	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.68	15.62	1.004	ok	1.003	0.943-1.063
Chloroethane	5.91	9.27	0.638	ok	0.639	0.579-0.699
Chloroform	9.37	9.27	1.011	ok	1.011	0.951-1.071
Chloromethane	5.24	9.27	0.565	ok	0.566	0.506-0.626
3-Chloropropene	7.34	9.27	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	17.97	15.62	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.94	9.27	1.180	ok	1.180	1.120-1.240
Cyclohexane	10.99	11.14	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.28	9.27	0.893	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.14	9.27	0.770	ok	0.771	0.711-0.831
1,2-Dibromoethane	14.43	15.62	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.09	9.27	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.57	11.14	1.039	ok	1.039	0.979-1.099
1,4-Dioxane	11.87	11.14	1.066	ok	1.071	1.011-1.131
Dichlorodifluoromethane	5.09	9.27	0.549	ok	0.550	0.490-0.610
Dibromochloromethane	14.20	15.62	0.909	ok	0.909	0.849-0.969
trans-1,2-Dichloroethylene	8.07	9.27	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.12	9.27	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.73	11.14	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	18.90	15.62	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	19.39	15.62	1.241	ok	1.241	1.181-1.301
p-Dichlorobenzene	18.98	15.62	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	13.26	11.14	1.190	ok	1.191	1.131-1.251
Ethanol	6.04	9.27	0.652	ok	0.655	0.595-0.715
Ethylbenzene	16.03	15.62	1.026	ok	1.026	0.966-1.086
4-Ethyltoluene	18.13	15.62	1.161	ok	1.161	1.101-1.221
Freon 113	7.45	9.27	0.804	ok	0.804	0.744-0.864
Freon 114	5.31	9.27	0.573	ok	0.573	0.513-0.633
Heptane	12.00	11.14	1.077	ok	1.078	1.018-1.138
Hexachlorobutadiene	21.81	15.62	1.396	ok	1.396	1.336-1.456
Hexane	9.16	9.27	0.988	ok	0.988	0.928-1.048
Isopropyl Alcohol	6.64	9.27	0.716	ok	0.723	0.663-0.783
Methylene chloride	7.27	9.27	0.784	ok	0.784	0.724-0.844

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1139-ICC1139	2W27037A.D	04/30/10 17:48	YXC	10	GCMS2W	TO-15	
V2W1139-IC1139	2W27038A.D	04/30/10 18:31	YXC	5	GCMS2W	TO-15	
V2W1139-IC1139	2W27039A.D	04/30/10 19:15	YXC	0.5	GCMS2W	TO-15	
V2W1139-IC1139	2W27040A.D	04/30/10 19:57	YXC	0.2	GCMS2W	TO-15	
V2W1139-IC1139	2W27041A.D	04/30/10 20:40	YXC	20	GCMS2W	TO-15	
V2W1139-IC1139	2W27042A.D	04/30/10 22:06	YXC	1	GCMS2W	TO-15	
V2W1139-IC1139	2W27045A.D	05/01/10 00:15	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Methyl ethyl ketone	8.63	9.27	0.931	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.69	11.14	1.139	ok	1.143	1.083-1.203
Methyl Tert Butyl Ether	8.28	9.27	0.893	ok	0.897	0.837-0.957
Methylmethacrylate	12.02	11.14	1.079	ok	1.081	1.021-1.141
Styrene	16.65	15.62	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.32	9.27	1.113	ok	1.114	1.054-1.174
1,1,2,2-Tetrachloroethane	16.79	15.62	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.44	11.14	1.206	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.31	15.62	1.364	ok	1.364	1.304-1.424
1,2,4-Trimethylbenzene	18.69	15.62	1.197	ok	1.196	1.136-1.256
1,3,5-Trimethylbenzene	18.22	15.62	1.166	ok	1.166	1.106-1.226
2,2,4-Trimethylpentane	11.73	11.14	1.053	ok	1.054	0.994-1.114
Tertiary Butyl Alcohol	7.17	9.27	0.773	ok	0.781	0.721-0.841
Tetrachloroethylene	14.91	15.62	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.75	9.27	1.052	ok	1.057	0.997-1.117
Toluene	13.71	11.14	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.83	11.14	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.57	9.27	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.27	0.586	ok	0.586	0.526-0.646
m,p-Xylene	16.23	15.62	1.039	ok	1.038	0.978-1.098
o-Xylene	16.76	15.62	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.27	ok	9.27	8.94-9.60	243474	ok	254648	152789-356507
1,4-Difluorobenzene	11.14	ok	11.14	10.81-11.47	1279979	ok	1261428	756857-1765999
Chlorobenzene-D5	15.62	ok	15.62	15.29-15.95	757370	ok	642991	385795-900187

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.31	7.66	0.693	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.66	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.35	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.97	9.35	1.066	ok	1.066	1.006-1.126
Bromoform	14.31	13.59	1.053	ok	1.053	0.993-1.113
Bromomethane	4.79	7.66	0.625	ok	0.626	0.566-0.686
Bromoethene	5.14	7.66	0.671	ok	0.671	0.611-0.731
n-Butane	4.62	7.66	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	16.89	13.59	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.70	13.59	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.01	13.59	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.68	13.59	1.227	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.66	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.64	13.59	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.66	0.546	ok	0.547	0.487-0.607
Chloroethane	4.89	7.66	0.638	ok	0.640	0.580-0.700
Chloroform	7.75	7.66	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.66	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.66	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.92	13.59	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.16	7.66	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.21	9.35	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.81	7.66	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.87	7.66	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.43	13.59	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.39	7.66	1.095	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.75	9.35	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.03	9.35	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.25	7.66	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.59	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.66	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.53	7.66	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.89	13.59	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.40	13.59	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.98	13.59	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.35	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.66	0.990	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.39	9.35	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.66	1.087	ok	1.087	1.027-1.147
Ethanol	5.03	7.66	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.59	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.66	7.66	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.59	1.185	ok	1.186	1.126-1.246
Freon 113	6.12	7.66	0.799	ok	0.800	0.740-0.860
Freon 114	4.43	7.66	0.578	ok	0.579	0.519-0.639
Freon 123	5.22	7.66	0.681	ok	0.682	0.622-0.742
Freon 123A	5.25	7.66	0.685	ok	0.687	0.627-0.747
Freon 152A	4.15	7.66	0.542	ok	0.543	0.483-0.603
Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.59	1.467	ok	1.467	1.407-1.527
Hexane	7.57	7.66	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.01	13.59	0.884	ok	0.885	0.825-0.945
Iodomethane	5.82	7.66	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.35	13.59	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.66	0.718	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.20	13.59	1.266	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.66	0.778	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.12	7.66	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.35	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.18	9.35	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.59	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.59	0.933	ok	0.933	0.873-0.993
Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.94	13.59	1.173	ok	1.173	1.113-1.233
Propylene	4.20	7.66	0.548	ok	0.550	0.490-0.610
Styrene	14.60	13.59	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.60	7.66	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.59	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.73	13.59	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.59	1.428	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.59	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.59	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.59	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.91	7.66	0.772	ok	0.775	0.715-0.835
Tetrachloroethylene	12.91	13.59	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.08	7.66	1.055	ok	1.059	0.999-1.119
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.66	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.66	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.66	0.905	ok	0.904	0.844-0.964
m,p-Xylene	14.19	13.59	1.044	ok	1.044	0.984-1.104
o-Xylene	14.70	13.59	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.66	0.732	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	96939	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	490746	ok	479845	287907-671783
Chlorobenzene-D5	13.59	ok	13.58	13.25-13.91	249303	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.35	7.65	0.699	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.02	9.34	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.31	13.58	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.14	7.65	0.672	ok	0.671	0.611-0.731
n-Butane	4.63	7.65	0.605	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.70	13.58	1.303	ok	1.302	1.242-1.362
sec-Butylbenzene	17.00	13.58	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.62	13.58	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.89	7.65	0.639	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.65	0.571	ok	0.571	0.511-0.631
3-Chloropropene	6.02	7.65	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.65	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.11	9.34	1.082	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.20	13.58	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.65	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.82	9.34	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.34	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.65	0.993	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.34	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.31	7.65	1.086	ok	1.087	1.027-1.147
Ethanol	5.05	7.65	0.660	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.68	7.65	1.004	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.21	7.65	0.681	ok	0.682	0.622-0.742
Freon 123A	5.25	7.65	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.57	7.65	0.990	ok	0.988	0.928-1.048
2-Hexanone	12.04	13.58	0.887	ok	0.885	0.825-0.945
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.53	7.65	0.723	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.19	13.58	1.266	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.65	0.779	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.16	7.65	0.936	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.83	9.34	1.160	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.84	7.65	0.894	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.34	1.091	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.58	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
Styrene	14.59	13.58	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.41	13.58	1.429	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.58	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.90	9.34	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.93	7.65	0.775	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.14	7.65	1.064	ok	1.059	0.999-1.119
Toluene	11.76	9.34	1.259	ok	1.258	1.198-1.318
Trichloroethylene	9.97	9.34	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.65	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.65	0.906	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	99318	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	472442	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	215174	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.33	7.68	0.694	ok	0.697	0.637-0.757
1,3-Butadiene	4.61	7.68	0.600	ok	0.601	0.541-0.661
Benzene	9.04	9.37	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.99	9.37	1.066	ok	1.066	1.006-1.126
Bromoform	14.33	13.60	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.68	0.625	ok	0.626	0.566-0.686
Bromoethene	5.15	7.68	0.671	ok	0.671	0.611-0.731
n-Butane	4.63	7.68	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	16.91	13.60	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.71	13.60	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.02	13.60	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.70	13.60	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.20	7.68	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.65	13.60	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.68	0.546	ok	0.547	0.487-0.607
Chloroethane	4.91	7.68	0.639	ok	0.640	0.580-0.700
Chloroform	7.78	7.68	1.013	ok	1.012	0.952-1.072
Chloromethane	4.38	7.68	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.05	7.68	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.93	13.60	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.17	7.68	1.194	ok	1.196	1.136-1.256
Cyclohexane	9.22	9.37	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.83	7.68	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.88	7.68	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.44	13.60	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.40	7.68	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.76	9.37	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.05	9.37	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.68	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.23	13.60	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.65	7.68	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.55	7.68	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.84	9.37	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.91	13.60	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.41	13.60	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.99	13.60	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.35	9.37	1.211	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.61	7.68	0.991	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.40	9.37	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.34	7.68	1.086	ok	1.087	1.027-1.147
Ethanol	5.05	7.68	0.658	ok	0.658	0.598-0.718
Ethylbenzene	14.01	13.60	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.69	7.68	1.001	ok	1.000	0.940-1.060
4-Ethyltoluene	16.12	13.60	1.185	ok	1.186	1.126-1.246
Freon 113	6.14	7.68	0.799	ok	0.800	0.740-0.860
Freon 114	4.44	7.68	0.578	ok	0.579	0.519-0.639
Freon 123	5.23	7.68	0.681	ok	0.682	0.622-0.742
Freon 123A	5.27	7.68	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.68	0.542	ok	0.543	0.483-0.603
Heptane	10.18	9.37	1.086	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.60	1.466	ok	1.467	1.407-1.527
Hexane	7.58	7.68	0.987	ok	0.988	0.928-1.048
2-Hexanone	12.03	13.60	0.885	ok	0.885	0.825-0.945
Iodomethane	5.84	7.68	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.36	13.60	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.55	7.68	0.723	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.21	13.60	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.98	7.68	0.779	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.15	7.68	0.931	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.83	9.37	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.83	7.68	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.20	9.37	1.089	ok	1.089	1.029-1.149
Nonane	14.88	13.60	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.60	0.932	ok	0.933	0.873-0.993
Pentane	5.63	7.68	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.95	13.60	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.68	0.548	ok	0.550	0.490-0.610
Styrene	14.62	13.60	1.075	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.62	7.68	1.122	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.62	13.60	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.75	13.60	1.085	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.52	9.37	1.229	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.60	1.426	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.87	13.60	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.71	13.60	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.22	13.60	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.93	9.37	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.95	7.68	0.775	ok	0.775	0.715-0.835
Tetrachloroethylene	12.92	13.60	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.10	7.68	1.055	ok	1.059	0.999-1.119
Toluene	11.77	9.37	1.256	ok	1.258	1.198-1.318
Trichloroethylene	10.00	9.37	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.68	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.94	7.68	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.20	13.60	1.044	ok	1.044	0.984-1.104
o-Xylene	14.71	13.60	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.63	7.68	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.19	9.37	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.65	7.32-7.98	94770	ok	99015	59409-138621
1,4-Difluorobenzene	9.37	ok	9.35	9.02-9.68	481093	ok	479845	287907-671783
Chlorobenzene-D5	13.60	ok	13.58	13.25-13.91	249952	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.31	7.66	0.693	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.66	0.601	ok	0.601	0.541-0.661
Benzene	9.02	9.35	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.35	1.065	ok	1.066	1.006-1.126
Bromoform	14.31	13.59	1.053	ok	1.053	0.993-1.113
Bromomethane	4.79	7.66	0.625	ok	0.626	0.566-0.686
Bromoethene	5.14	7.66	0.671	ok	0.671	0.611-0.731
n-Butane	4.63	7.66	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.59	1.242	ok	1.243	1.183-1.303
n-Butylbenzene	17.69	13.59	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.00	13.59	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.68	13.59	1.227	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.66	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.59	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.66	0.547	ok	0.547	0.487-0.607
Chloroethane	4.90	7.66	0.640	ok	0.640	0.580-0.700
Chloroform	7.75	7.66	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.66	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.66	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.59	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.16	7.66	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.35	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.81	7.66	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.87	7.66	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.59	0.914	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.38	7.66	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.35	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.03	9.35	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.66	0.556	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.59	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.66	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.53	7.66	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.59	1.242	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.59	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.59	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.35	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.66	0.990	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.35	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.66	1.087	ok	1.087	1.027-1.147
Ethanol	5.03	7.66	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.59	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.66	7.66	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.59	1.185	ok	1.186	1.126-1.246
Freon 113	6.12	7.66	0.799	ok	0.800	0.740-0.860
Freon 114	4.43	7.66	0.578	ok	0.579	0.519-0.639
Freon 123	5.22	7.66	0.681	ok	0.682	0.622-0.742
Freon 123A	5.26	7.66	0.687	ok	0.687	0.627-0.747
Freon 152A	4.16	7.66	0.543	ok	0.543	0.483-0.603
Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.59	1.467	ok	1.467	1.407-1.527
Hexane	7.57	7.66	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.00	13.59	0.883	ok	0.885	0.825-0.945
Iodomethane	5.82	7.66	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.59	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.66	0.718	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.19	13.59	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.66	0.778	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.12	7.66	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.35	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.66	0.890	ok	0.892	0.832-0.952
Methylmethacrylate	10.18	9.35	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.59	1.094	ok	1.094	1.034-1.154
Octane	12.67	13.59	0.932	ok	0.933	0.873-0.993
Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.59	1.172	ok	1.173	1.113-1.233
Propylene	4.21	7.66	0.550	ok	0.550	0.490-0.610
Styrene	14.60	13.59	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.60	7.66	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.59	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.59	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.59	1.428	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.59	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.59	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.59	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.90	7.66	0.770	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.59	0.949	ok	0.950	0.890-1.010
Tetrahydrofuran	8.09	7.66	1.056	ok	1.059	0.999-1.119
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.66	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.66	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.92	7.66	0.903	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.59	1.043	ok	1.044	0.984-1.104
o-Xylene	14.69	13.59	1.081	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	100860	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	493574	ok	479845	287907-671783
Chlorobenzene-D5	13.59	ok	13.58	13.25-13.91	240338	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.33	7.64	0.698	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.64	0.602	ok	0.601	0.541-0.661
Benzene	9.01	9.34	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.30	13.58	1.053	ok	1.053	0.993-1.113
Bromomethane	4.78	7.64	0.626	ok	0.626	0.566-0.686
Bromoethene	5.13	7.64	0.671	ok	0.671	0.611-0.731
n-Butane	4.62	7.64	0.605	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.69	13.58	1.303	ok	1.302	1.242-1.362
sec-Butylbenzene	16.99	13.58	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.17	7.64	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.62	13.58	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.64	0.548	ok	0.547	0.487-0.607
Chloroethane	4.89	7.64	0.640	ok	0.640	0.580-0.700
Chloroform	7.73	7.64	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.64	0.572	ok	0.571	0.511-0.631
3-Chloropropene	6.02	7.64	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.64	1.198	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.64	0.890	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.64	0.767	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.41	13.58	0.914	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.64	1.096	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.06	9.34	1.077	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.64	0.558	ok	0.556	0.496-0.616
Dibromochloromethane	12.20	13.58	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.64	0.868	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.51	7.64	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.81	9.34	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.34	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.64	0.992	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.37	9.34	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.31	7.64	1.088	ok	1.087	1.027-1.147
Ethanol	5.02	7.64	0.657	ok	0.658	0.598-0.718
Ethylbenzene	13.99	13.58	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.67	7.64	1.004	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.11	7.64	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.64	0.580	ok	0.579	0.519-0.639
Freon 123	5.21	7.64	0.682	ok	0.682	0.622-0.742
Freon 123A	5.25	7.64	0.687	ok	0.687	0.627-0.747
Freon 152A	4.15	7.64	0.543	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.56	7.64	0.990	ok	0.988	0.928-1.048
2-Hexanone	12.01	13.58	0.884	ok	0.885	0.825-0.945
Iodomethane	5.81	7.64	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.33	13.58	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.64	0.720	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.18	13.58	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.64	0.780	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.13	7.64	0.933	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.34	1.157	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.64	0.893	ok	0.892	0.832-0.952
Methylmethacrylate	10.17	9.34	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.64	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.58	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.64	0.551	ok	0.550	0.490-0.610
Styrene	14.59	13.58	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.60	13.58	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.71	13.58	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.58	1.429	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.84	13.58	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.68	13.58	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.19	13.58	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.90	9.34	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.91	7.64	0.774	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.11	7.64	1.062	ok	1.059	0.999-1.119
Toluene	11.75	9.34	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.97	9.34	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.64	0.708	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.64	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.91	7.64	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.64	0.734	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	101458	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	486504	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	223991	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.37	7.65	0.702	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.34	0.967	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.29	13.58	1.052	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.14	7.65	0.672	ok	0.671	0.611-0.731
n-Butane	4.62	7.65	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
sec-Butylbenzene	17.00	13.58	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.58	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.90	7.65	0.641	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
Chloromethane	4.38	7.65	0.573	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.65	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.65	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.13	9.34	1.085	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.58	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.65	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.34	1.160	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	16.98	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.34	1.214	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.65	0.993	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.34	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.65	1.089	ok	1.087	1.027-1.147
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.70	7.65	1.007	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.65	0.682	ok	0.682	0.622-0.742
Freon 123A	5.25	7.65	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.56	7.65	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.04	13.58	0.887	ok	0.885	0.825-0.945
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.54	7.65	0.724	ok	0.722	0.662-0.782
Methyl ethyl ketone	7.17	7.65	0.937	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.84	9.34	1.161	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.85	7.65	0.895	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.34	1.091	ok	1.089	1.029-1.149
Nonane	14.86	13.58	1.094	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.94	13.58	1.174	ok	1.173	1.113-1.233
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.68	13.58	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.34	1.061	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.96	7.65	0.779	ok	0.775	0.715-0.835
Tetrachloroethylene	12.91	13.58	0.951	ok	0.950	0.890-1.010
Tetrahydrofuran	8.16	7.65	1.067	ok	1.059	0.999-1.119
Toluene	11.76	9.34	1.259	ok	1.258	1.198-1.318
Trichloroethylene	9.98	9.34	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.65	0.591	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.65	0.906	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	99733	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	475250	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	212815	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.37	7.65	0.702	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.35	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.35	1.065	ok	1.066	1.006-1.126
Bromoform	14.30	13.58	1.053	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.15	7.65	0.673	ok	0.671	0.611-0.731
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.58	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.91	7.65	0.642	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
3-Chloropropene	6.03	7.65	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.21	9.35	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.38	7.65	1.095	ok	1.095	1.035-1.155
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.58	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.64	7.65	0.868	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.89	13.58	1.244	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.40	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.35	1.212	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.61	7.65	0.995	ok	0.992	0.932-1.052
2,4-Dimethylpentane	8.32	7.65	1.088	ok	1.087	1.027-1.147
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.52	7.65	0.983	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.58	1.186	ok	1.186	1.126-1.246

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.65	0.682	ok	0.682	0.622-0.742
Freon 123A	5.26	7.65	0.688	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147
Hexane	7.56	7.65	0.988	ok	0.988	0.928-1.048
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.58	7.65	0.729	ok	0.722	0.662-0.782
Methyl Isobutyl Ketone	10.86	9.35	1.161	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.87	7.65	0.898	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.35	1.090	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.58	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.98	7.65	0.782	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.53	7.65	0.592	ok	0.590	0.530-0.650
m,p-Xylene	14.19	13.58	1.045	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	97080	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	459464	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	207628	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439	ok	1.439	1.379-1.499

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	99181	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	470567	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	215338	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	96561 ok	99015	59409-138621
1,4-Difluorobenzene	9.35 ok	9.35	9.02-9.68	463109 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	217269 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.32	7.67	0.694	ok	0.697	0.637-0.757
1,3-Butadiene	4.61	7.67	0.601	ok	0.601	0.541-0.661
Benzene	9.04	9.37	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.98	9.37	1.065	ok	1.066	1.006-1.126
Bromoform	14.34	13.60	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.67	0.626	ok	0.626	0.566-0.686
Bromoethene	5.14	7.67	0.670	ok	0.671	0.611-0.731
n-Butane	4.63	7.67	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.92	13.60	1.244	ok	1.243	1.183-1.303
n-Butylbenzene	17.71	13.60	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.02	13.60	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.70	13.60	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.19	7.67	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.65	13.60	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.67	0.546	ok	0.547	0.487-0.607
Chloroethane	4.91	7.67	0.640	ok	0.640	0.580-0.700
Chloroform	7.77	7.67	1.013	ok	1.012	0.952-1.072
Chloromethane	4.38	7.67	0.571	ok	0.571	0.511-0.631
3-Chloropropene	6.04	7.67	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.93	13.60	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.17	7.67	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.22	9.37	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.83	7.67	0.890	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.88	7.67	0.767	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.44	13.60	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.40	7.67	1.095	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.76	9.37	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.04	9.37	1.072	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.67	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.23	13.60	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.65	7.67	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.55	7.67	0.984	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.84	9.37	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.92	13.60	1.244	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.41	13.60	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.99	13.60	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.35	9.37	1.211	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.67	0.991	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.40	9.37	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.34	7.67	1.087	ok	1.087	1.027-1.147
Ethanol	5.04	7.67	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.01	13.60	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.68	7.67	1.001	ok	1.000	0.940-1.060
4-Ethyltoluene	16.13	13.60	1.186	ok	1.186	1.126-1.246
Freon 113	6.14	7.67	0.801	ok	0.800	0.740-0.860
Freon 114	4.44	7.67	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.67	0.681	ok	0.682	0.622-0.742
Freon 123A	5.27	7.67	0.687	ok	0.687	0.627-0.747
Freon 152A	4.16	7.67	0.542	ok	0.543	0.483-0.603
Heptane	10.17	9.37	1.085	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.60	1.466	ok	1.467	1.407-1.527
Hexane	7.58	7.67	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.02	13.60	0.884	ok	0.885	0.825-0.945
Iodomethane	5.83	7.67	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.36	13.60	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.53	7.67	0.721	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.21	13.60	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.98	7.67	0.780	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.13	7.67	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.82	9.37	1.155	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.67	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.20	9.37	1.089	ok	1.089	1.029-1.149
Nonane	14.88	13.60	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.60	0.932	ok	0.933	0.873-0.993
Pentane	5.62	7.67	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.95	13.60	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.67	0.549	ok	0.550	0.490-0.610
Styrene	14.62	13.60	1.075	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.62	13.60	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.76	13.60	1.085	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.52	9.37	1.229	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.60	1.426	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.87	13.60	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.72	13.60	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.23	13.60	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.93	9.37	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.94	7.67	0.774	ok	0.775	0.715-0.835
Tetrachloroethylene	12.92	13.60	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.09	7.67	1.055	ok	1.059	0.999-1.119
Toluene	11.77	9.37	1.256	ok	1.258	1.198-1.318
Trichloroethylene	10.00	9.37	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.67	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.67	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.21	13.60	1.045	ok	1.044	0.984-1.104
o-Xylene	14.72	13.60	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.62	7.67	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.18	9.37	1.086	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.65	7.32-7.98	94098	ok	99015	59409-138621
1,4-Difluorobenzene	9.37	ok	9.35	9.02-9.68	476545	ok	479845	287907-671783
Chlorobenzene-D5	13.60	ok	13.58	13.25-13.91	259673	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	103327 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	494172 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	224153 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439	ok	1.439	1.379-1.499

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	101980	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	488576	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	216282	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	101924 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	488160 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	232898 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	98981 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	477631 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	231113 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.39	9.06	0.705	ok	0.707	0.647-0.767
Acrolein	6.26	9.06	0.691	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.84	1.060	ok	1.061	1.001-1.121
Bromoform	15.88	15.14	1.049	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.14	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.14	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.82	9.06	0.532	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.18	9.06	1.013	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.42	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.06	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.02	15.14	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.87	9.06	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.84	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.14	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.34	10.84	1.138	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.14	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.85	10.84	1.185	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.06	1.091	ok	1.090	1.030-1.150
Ethanol	6.06	9.06	0.669	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.06	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.36	9.06	0.812	ok	0.812	0.752-0.872
Freon 114	5.17	9.06	0.571	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.14	1.398	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.60	15.14	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.69	9.06	0.738	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.06	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.40	10.84	1.144	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.06	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.70	10.84	1.079	ok	1.083	1.023-1.143
Nonane	16.46	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.27	15.14	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.14	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.14	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.84	1.203	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.22	9.06	0.797	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.62	9.06	1.062	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.27	9.06	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	75531	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	384285	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	198607	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
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VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.38	9.06	0.704	ok	0.707	0.647-0.767
Acrolein	6.25	9.06	0.690	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.50	10.84	1.061	ok	1.061	1.001-1.121
Bromoform	15.88	15.15	1.048	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.31	15.15	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.15	1.259	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.15	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.15	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.15	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.81	9.06	0.531	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.19	9.06	1.014	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.15	1.150	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.03	9.06	0.776	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.03	15.15	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.87	9.06	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.84	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.78	15.15	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.84	1.139	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.15	1.209	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.78	15.15	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.15	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.84	1.186	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.87	9.06	1.089	ok	1.090	1.030-1.150
Ethanol	6.05	9.06	0.668	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.15	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.06	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.15	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.06	0.811	ok	0.812	0.752-0.872
Freon 114	5.16	9.06	0.570	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.15	1.397	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.60	15.15	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.15	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.70	9.06	0.740	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.15	1.228	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.06	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.41	10.84	1.145	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.22	9.06	0.907	ok	0.910	0.850-0.970
Methylmethacrylate	11.70	10.84	1.079	ok	1.083	1.023-1.143
Nonane	16.46	15.15	1.086	ok	1.087	1.027-1.147
Octane	14.28	15.15	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.15	1.152	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.15	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
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VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.15	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.28	15.15	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.06	10.84	1.205	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.15	1.365	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.15	1.084	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.14	15.15	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.69	15.15	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.23	9.06	0.798	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.15	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.61	9.06	1.061	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.27	9.06	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.15	1.040	ok	1.041	0.981-1.101
o-Xylene	16.28	15.15	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	74384	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	362858	ok	363718	218231-509205
Chlorobenzene-D5	15.15	ok	15.13	14.80-15.46	191666	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.42	9.06	0.709	ok	0.707	0.647-0.767
Acrolein	6.29	9.06	0.694	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.84	1.060	ok	1.061	1.001-1.121
Bromoform	15.88	15.14	1.049	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.14	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.14	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.82	9.06	0.532	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.18	9.06	1.013	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.42	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.06	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.03	15.14	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.06	1.088	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.62	10.84	1.072	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.14	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.84	1.139	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.14	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.84	1.186	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.06	1.091	ok	1.090	1.030-1.150
Ethanol	6.11	9.06	0.674	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.14	9.06	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.36	9.06	0.812	ok	0.812	0.752-0.872
Freon 114	5.16	9.06	0.570	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.14	1.399	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.62	15.14	0.900	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.73	9.06	0.743	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.58	9.06	0.947	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.42	10.84	1.146	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.24	9.06	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.71	10.84	1.080	ok	1.083	1.023-1.143
Nonane	16.46	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.28	15.14	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.14	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.14	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.05	10.84	1.204	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.25	9.06	0.800	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.65	9.06	1.065	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.06	0.914	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	77163	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	387714	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	189240	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	6.30	9.05	0.696	ok	0.693	0.633-0.753
1,3-Butadiene	5.42	9.05	0.599	ok	0.597	0.537-0.657
Benzene	10.52	10.81	0.973	ok	0.972	0.912-1.032
Bromodichloromethane	11.48	10.81	1.062	ok	1.061	1.001-1.121
Bromoform	15.87	15.14	1.048	ok	1.049	0.989-1.109
Bromomethane	5.67	9.05	0.627	ok	0.625	0.565-0.685
Bromoethene	6.13	9.05	0.677	ok	0.676	0.616-0.736
n-Butane	5.45	9.05	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.05	0.822	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.14	1.003	ok	1.003	0.943-1.063
Chloroethane	5.82	9.05	0.643	ok	0.641	0.581-0.701
Chloroform	9.15	9.05	1.011	ok	1.013	0.953-1.073
Chloromethane	5.09	9.05	0.562	ok	0.560	0.500-0.620
3-Chloropropene	7.26	9.05	0.802	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.05	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.77	10.81	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.05	0.901	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.05	9.05	0.779	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.14	0.925	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.05	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.28	10.81	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.79	10.81	1.091	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.05	0.544	ok	0.542	0.482-0.602
Dibromochloromethane	13.76	15.14	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.97	9.05	0.881	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.05	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.81	1.142	ok	1.140	1.080-1.200
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.14	1.215	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
trans-1,3-Dichloropropene	12.86	10.81	1.190	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.09	9.05	1.004	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.81	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.86	9.05	1.090	ok	1.090	1.030-1.150
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.15	9.05	1.011	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.05	0.812	ok	0.812	0.752-0.872
Freon 114	5.16	9.05	0.570	ok	0.569	0.509-0.629
Freon 123	6.24	9.05	0.690	ok	0.688	0.628-0.748
Freon 123A	6.28	9.05	0.694	ok	0.693	0.633-0.753
Heptane	11.75	10.81	1.087	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.14	1.399	ok	1.399	1.339-1.459
Hexane	9.05	9.05	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.68	15.14	0.904	ok	0.900	0.840-0.960
Iodomethane	7.00	9.05	0.773	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.92	9.05	0.765	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methyl ethyl ketone	8.59	9.05	0.949	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.50	10.81	1.156	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.25	9.05	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.76	10.81	1.088	ok	1.083	1.023-1.143
Nonane	16.45	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.27	15.14	0.943	ok	0.943	0.883-1.003
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.05	0.536	ok	0.534	0.474-0.594
Styrene	16.15	15.14	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.08	9.05	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.14	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.81	1.206	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.51	10.81	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.47	9.05	0.825	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.79	9.05	1.082	ok	1.069	1.009-1.129
Toluene	13.31	10.81	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.50	10.81	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.05	0.716	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.05	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.05	0.915	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.05	0.749	ok	0.748	0.688-0.808

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05	ok	9.05	8.72-9.38	73271	ok	73954	44372-103536
1,4-Difluorobenzene	10.81	ok	10.82	10.49-11.15	364124	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	166355	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	5.42	9.05	0.599	ok	0.597	0.537-0.657
Benzene	10.52	10.82	0.972	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.82	1.062	ok	1.061	1.001-1.121
Bromoform	15.88	15.13	1.050	ok	1.049	0.989-1.109
Bromomethane	5.69	9.05	0.629	ok	0.625	0.565-0.685
Bromoethene	6.13	9.05	0.677	ok	0.676	0.616-0.736
n-Butane	5.45	9.05	0.602	ok	0.601	0.541-0.661
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.45	9.05	0.823	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chloroethane	5.83	9.05	0.644	ok	0.641	0.581-0.701
Chloroform	9.15	9.05	1.011	ok	1.013	0.953-1.073
Chloromethane	5.09	9.05	0.562	ok	0.560	0.500-0.620
3-Chloropropene	7.26	9.05	0.802	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.13	1.152	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.05	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.82	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.05	0.901	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.05	0.778	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.02	15.13	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.05	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
Dichlorodifluoromethane	4.92	9.05	0.544	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.13	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.98	9.05	0.882	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.05	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.82	1.141	ok	1.140	1.080-1.200
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.78	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.13	1.216	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.82	1.189	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.10	9.05	1.006	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,4-Dimethylpentane	9.87	9.05	1.091	ok	1.090	1.030-1.150
Ethylbenzene	15.57	15.13	1.029	ok	1.028	0.968-1.088
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.36	9.05	0.813	ok	0.812	0.752-0.872
Freon 114	5.16	9.05	0.570	ok	0.569	0.509-0.629
Freon 123	6.25	9.05	0.691	ok	0.688	0.628-0.748
Freon 123A	6.29	9.05	0.695	ok	0.693	0.633-0.753
Heptane	11.75	10.82	1.086	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.13	1.400	ok	1.399	1.339-1.459
Hexane	9.06	9.05	1.001	ok	1.000	0.940-1.060
Iodomethane	7.01	9.05	0.775	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Methyl Tert Butyl Ether	8.28	9.05	0.915	ok	0.910	0.850-0.970
Methylmethacrylate	11.77	10.82	1.088	ok	1.083	1.023-1.143
Nonane	16.46	15.13	1.088	ok	1.087	1.027-1.147
Octane	14.27	15.13	0.943	ok	0.943	0.883-1.003
n-Propylbenzene	17.45	15.13	1.153	ok	1.153	1.093-1.213
Styrene	16.16	15.13	1.068	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.08	9.05	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.13	1.003	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.28	15.13	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.06	10.82	1.207	ok	1.205	1.145-1.265
1,2,4-Trimethylbenzene	18.14	15.13	1.199	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.52	10.82	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.54	9.05	0.833	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.13	0.956	ok	0.956	0.896-1.016
Toluene	13.32	10.82	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.50	10.82	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.05	0.716	ok	0.715	0.655-0.775
Vinyl chloride	5.29	9.05	0.585	ok	0.582	0.522-0.642
m,p-Xylene	15.76	15.13	1.042	ok	1.041	0.981-1.101
o-Xylene	16.27	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.77	9.05	0.748	ok	0.748	0.688-0.808

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05	ok	9.05	8.72-9.38	72808	ok	73954	44372-103536
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	360129	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	163966	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.13	1.375 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05 ok	9.05	8.72-9.38	73756 ok	73954	44372-103536
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	365681 ok	363718	218231-509205
Chlorobenzene-D5	15.13 ok	15.13	14.80-15.46	168592 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.14	1.374 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04 ok	9.05	8.72-9.38	73736 ok	73954	44372-103536
1,4-Difluorobenzene	10.81 ok	10.82	10.49-11.15	364640 ok	363718	218231-509205
Chlorobenzene-D5	15.14 ok	15.13	14.80-15.46	165834 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.38	9.08	0.703	ok	0.707	0.647-0.767
Acrolein	6.25	9.08	0.688	ok	0.693	0.633-0.753
1,3-Butadiene	5.39	9.08	0.594	ok	0.597	0.537-0.657
Benzene	10.54	10.86	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.51	10.86	1.060	ok	1.061	1.001-1.121
Bromoform	15.90	15.15	1.050	ok	1.049	0.989-1.109
Bromomethane	5.65	9.08	0.622	ok	0.625	0.565-0.685
Bromoethene	6.11	9.08	0.673	ok	0.676	0.616-0.736
n-Butane	5.44	9.08	0.599	ok	0.601	0.541-0.661
Benzyl Chloride	18.31	15.15	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.15	1.259	ok	1.260	1.200-1.320
sec-Butylbenzene	18.44	15.15	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.14	15.15	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.43	9.08	0.818	ok	0.821	0.761-0.881
Chlorobenzene	15.20	15.15	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.80	9.08	0.529	ok	0.530	0.470-0.590
Chloroethane	5.80	9.08	0.639	ok	0.641	0.581-0.701
Chloroform	9.21	9.08	1.014	ok	1.013	0.953-1.073
Chloromethane	5.06	9.08	0.557	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.08	0.798	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.15	1.150	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.08	1.175	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.86	0.993	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.16	9.08	0.899	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.03	9.08	0.774	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.04	15.15	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.89	9.08	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.32	10.86	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.60	10.86	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.90	9.08	0.540	ok	0.542	0.482-0.602
Dibromochloromethane	13.79	15.15	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.08	0.877	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.08	0.980	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.36	10.86	1.138	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.33	15.15	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.79	15.15	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.15	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.87	10.86	1.185	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.09	9.08	1.001	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.99	10.86	1.012	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.89	9.08	1.089	ok	1.090	1.030-1.150
Ethanol	6.07	9.08	0.669	ok	0.676	0.616-0.736
Ethylbenzene	15.58	15.15	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.14	9.08	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.61	15.15	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.08	0.809	ok	0.812	0.752-0.872
Freon 114	5.15	9.08	0.567	ok	0.569	0.509-0.629
Freon 123	6.22	9.08	0.685	ok	0.688	0.628-0.748
Freon 123A	6.27	9.08	0.691	ok	0.693	0.633-0.753
Heptane	11.78	10.86	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.15	1.397	ok	1.399	1.339-1.459
Hexane	9.06	9.08	0.998	ok	1.000	0.940-1.060
2-Hexanone	13.61	15.15	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.08	0.770	ok	0.772	0.712-0.832
Isopropylbenzene	16.91	15.15	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.73	9.08	0.741	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.61	15.15	1.228	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.08	0.786	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.58	9.08	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.43	10.86	1.145	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.08	0.906	ok	0.910	0.850-0.970
Methylmethacrylate	11.71	10.86	1.078	ok	1.083	1.023-1.143
Nonane	16.47	15.15	1.087	ok	1.087	1.027-1.147
Octane	14.28	15.15	0.943	ok	0.943	0.883-1.003
Pentane	6.77	9.08	0.746	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.15	1.152	ok	1.153	1.093-1.213
Propylene	4.83	9.08	0.532	ok	0.534	0.474-0.594
Styrene	16.17	15.15	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.11	9.08	1.113	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.18	15.15	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.29	15.15	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.07	10.86	1.203	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.15	1.365	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.43	15.15	1.084	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.15	15.15	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.69	15.15	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.54	10.86	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.28	9.08	0.802	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.15	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.62	9.08	1.059	ok	1.069	1.009-1.129
Toluene	13.33	10.86	1.227	ok	1.230	1.170-1.290
Trichloroethylene	11.53	10.86	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.47	9.08	0.713	ok	0.715	0.655-0.775
Vinyl chloride	5.26	9.08	0.579	ok	0.582	0.522-0.642
Vinyl Acetate	8.29	9.08	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.78	15.15	1.042	ok	1.041	0.981-1.101
o-Xylene	16.29	15.15	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.77	9.08	0.746	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.78	10.86	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.08	ok	9.05	8.72-9.38	72511	ok	73954	44372-103536
1,4-Difluorobenzene	10.86	ok	10.82	10.49-11.15	347028	ok	363718	218231-509205
Chlorobenzene-D5	15.15	ok	15.13	14.80-15.46	201014	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.12	1.376 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03 ok	9.05	8.72-9.38	75091 ok	73954	44372-103536
1,4-Difluorobenzene	10.80 ok	10.82	10.49-11.15	366443 ok	363718	218231-509205
Chlorobenzene-D5	15.12 ok	15.13	14.80-15.46	164229 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.82	15.13	1.376 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03 ok	9.05	8.72-9.38	78406 ok	73954	44372-103536
1,4-Difluorobenzene	10.80 ok	10.82	10.49-11.15	387099 ok	363718	218231-509205
Chlorobenzene-D5	15.13 ok	15.13	14.80-15.46	176617 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.13	1.375 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04 ok	9.05	8.72-9.38	74550 ok	73954	44372-103536
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	358742 ok	363718	218231-509205
Chlorobenzene-D5	15.13 ok	15.13	14.80-15.46	161859 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.12	1.376 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03 ok	9.05	8.72-9.38	70791 ok	73954	44372-103536
1,4-Difluorobenzene	10.80 ok	10.82	10.49-11.15	352942 ok	363718	218231-509205
Chlorobenzene-D5	15.12 ok	15.13	14.80-15.46	161300 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.42	9.04	0.710	ok	0.707	0.647-0.767
Acrolein	6.29	9.04	0.696	ok	0.693	0.633-0.753
1,3-Butadiene	5.39	9.04	0.596	ok	0.597	0.537-0.657
Benzene	10.51	10.82	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.48	10.82	1.061	ok	1.061	1.001-1.121
Bromoform	15.87	15.13	1.049	ok	1.049	0.989-1.109
Bromomethane	5.65	9.04	0.625	ok	0.625	0.565-0.685
Bromoethene	6.11	9.04	0.676	ok	0.676	0.616-0.736
n-Butane	5.43	9.04	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.13	1.210	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.13	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.42	9.04	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.79	9.04	0.530	ok	0.530	0.470-0.590
Chloroethane	5.79	9.04	0.640	ok	0.641	0.581-0.701
Chloroform	9.15	9.04	1.012	ok	1.013	0.953-1.073
Chloromethane	5.06	9.04	0.560	ok	0.560	0.500-0.620
3-Chloropropene	7.24	9.04	0.801	ok	0.800	0.740-0.860
2-Chlorotoluene	17.41	15.13	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.04	1.178	ok	1.177	1.117-1.237
Cyclohexane	10.76	10.82	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.14	9.04	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.02	9.04	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.13	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.85	9.04	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.73	10.82	1.084	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.89	9.04	0.541	ok	0.542	0.482-0.602
Dibromochloromethane	13.76	15.13	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.95	9.04	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.04	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.34	10.82	1.140	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.13	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.85	10.82	1.188	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.04	1.004	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.86	9.04	1.091	ok	1.090	1.030-1.150
Ethanol	6.23	9.04	0.689	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.13	1.029	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.04	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.34	9.04	0.812	ok	0.812	0.752-0.872
Freon 114	5.14	9.04	0.569	ok	0.569	0.509-0.629
Freon 123	6.22	9.04	0.688	ok	0.688	0.628-0.748
Freon 123A	6.27	9.04	0.694	ok	0.693	0.633-0.753
Heptane	11.74	10.82	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.13	1.399	ok	1.399	1.339-1.459
Hexane	9.04	9.04	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.66	15.13	0.903	ok	0.900	0.840-0.960
Iodomethane	6.98	9.04	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.87	9.04	0.760	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.13	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.04	0.790	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.57	9.04	0.948	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.48	10.82	1.153	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.24	9.04	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.74	10.82	1.085	ok	1.083	1.023-1.143
Nonane	16.46	15.13	1.088	ok	1.087	1.027-1.147
Octane	14.27	15.13	0.943	ok	0.943	0.883-1.003
Pentane	6.76	9.04	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.44	15.13	1.153	ok	1.153	1.093-1.213
Propylene	4.82	9.04	0.533	ok	0.534	0.474-0.594
Styrene	16.15	15.13	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.07	9.04	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.13	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.13	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.82	1.205	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.69	15.13	1.367	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.41	15.13	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.51	10.82	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.40	9.04	0.819	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.13	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.73	9.04	1.076	ok	1.069	1.009-1.129
Toluene	13.31	10.82	1.230	ok	1.230	1.170-1.290
Trichloroethylene	11.51	10.82	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.46	9.04	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.26	9.04	0.582	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.04	0.916	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.13	1.042	ok	1.041	0.981-1.101
o-Xylene	16.27	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.76	9.04	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.74	10.82	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04	ok	9.05	8.72-9.38	73373	ok	73954	44372-103536
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	353838	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	154802	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.40	9.03	0.709	ok	0.707	0.647-0.767
Acrolein	6.27	9.03	0.694	ok	0.693	0.633-0.753
1,3-Butadiene	5.37	9.03	0.595	ok	0.597	0.537-0.657
Benzene	10.51	10.80	0.973	ok	0.972	0.912-1.032
Bromodichloromethane	11.46	10.80	1.061	ok	1.061	1.001-1.121
Bromoform	15.87	15.13	1.049	ok	1.049	0.989-1.109
Bromomethane	5.64	9.03	0.625	ok	0.625	0.565-0.685
Bromoethene	6.10	9.03	0.676	ok	0.676	0.616-0.736
n-Butane	5.42	9.03	0.600	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.13	1.210	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.13	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.12	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.41	9.03	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.78	9.03	0.529	ok	0.530	0.470-0.590
Chloroethane	5.79	9.03	0.641	ok	0.641	0.581-0.701
Chloroform	9.13	9.03	1.011	ok	1.013	0.953-1.073
Chloromethane	5.05	9.03	0.559	ok	0.560	0.500-0.620
3-Chloropropene	7.22	9.03	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.41	15.13	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.63	9.03	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.75	10.80	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.12	9.03	0.899	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.01	9.03	0.776	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.13	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.83	9.03	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.27	10.80	1.044	ok	1.043	0.983-1.103
1,4-Dioxane	11.74	10.80	1.087	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.88	9.03	0.540	ok	0.542	0.482-0.602
Dibromochloromethane	13.75	15.13	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.94	9.03	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.87	9.03	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.33	10.80	1.142	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.13	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.84	10.80	1.189	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.06	9.03	1.003	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.95	10.80	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.85	9.03	1.091	ok	1.090	1.030-1.150
Ethanol	6.18	9.03	0.684	ok	0.676	0.616-0.736
Ethylbenzene	15.56	15.13	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.11	9.03	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.32	9.03	0.811	ok	0.812	0.752-0.872
Freon 114	5.12	9.03	0.567	ok	0.569	0.509-0.629
Freon 123	6.20	9.03	0.687	ok	0.688	0.628-0.748
Freon 123A	6.25	9.03	0.692	ok	0.693	0.633-0.753
Heptane	11.73	10.80	1.086	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.13	1.399	ok	1.399	1.339-1.459
Hexane	9.03	9.03	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.65	15.13	0.902	ok	0.900	0.840-0.960
Iodomethane	6.97	9.03	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.84	9.03	0.757	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.13	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.12	9.03	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.03	0.948	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.47	10.80	1.155	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.03	0.911	ok	0.910	0.850-0.970
Methylmethacrylate	11.73	10.80	1.086	ok	1.083	1.023-1.143
Nonane	16.45	15.13	1.087	ok	1.087	1.027-1.147
Octane	14.26	15.13	0.942	ok	0.943	0.883-1.003
Pentane	6.75	9.03	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.44	15.13	1.153	ok	1.153	1.093-1.213
Propylene	4.81	9.03	0.533	ok	0.534	0.474-0.594
Styrene	16.15	15.13	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.06	9.03	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.13	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.13	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.03	10.80	1.206	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.69	15.13	1.367	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.41	15.13	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.50	10.80	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.40	9.03	0.819	ok	0.812	0.752-0.872
Tetrachloroethylene	14.46	15.13	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.72	9.03	1.076	ok	1.069	1.009-1.129
Toluene	13.30	10.80	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.49	10.80	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.45	9.03	0.714	ok	0.715	0.655-0.775
Vinyl chloride	5.25	9.03	0.581	ok	0.582	0.522-0.642
Vinyl Acetate	8.25	9.03	0.914	ok	0.914	0.854-0.974
m,p-Xylene	15.75	15.13	1.041	ok	1.041	0.981-1.101
o-Xylene	16.26	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.75	9.03	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.73	10.80	1.086	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03	ok	9.05	8.72-9.38	69981	ok	73954	44372-103536
1,4-Difluorobenzene	10.80	ok	10.82	10.49-11.15	336533	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	147684	ok	172269	103361-241177

Volatile Surrogate Recovery Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JA45062-1	2W27064.D	86.0
JA45062-2	2W27084.D	89.0
JA45062-3	2W27091.D	92.0
JA45062-4	2W27092.D	92.0
JA45062-5	2W27093.D	94.0
JA45062-6	2W27070.D	90.0
JA45062-7	2W27071.D	96.0
JA45062-8	2W27072.D	95.0
JA45062-9	2W27073.D	94.0
JA45062-10	2W27101.D	89.0
JA45062-11	2W27075.D	96.0
JA45062-12	2W27076.D	94.0
JA45062-13	2W27094.D	92.0
JA45062-14	2W27096.D	90.0
JA45062-15	2W27097.D	91.0
JA45062-16	2W27098.D	90.0
JA45062-17	2W27099.D	95.0
JA45062-18	2W27100.D	94.0
JA45062-19	2W27102.D	92.0
JA45062-20	2W27103.D	93.0
JA45062-21	2W27104.D	95.0
JA45062-22	2W27105.D	95.0
JA45062-23	2W27123.D	93.0
JA45062-24	2W27124.D	91.0
JA45062-25	2W27125.D	93.0
JA45062-26	2W27126.D	87.0
JA45062-27	2W27127.D	83.0
JA45062-13DUP	2W27095.D	93.0
JA45062-1DUP	2W27065.D	86.0
JA45065-5DUP	2W27120.D	92.0
V2W1126-SCC	2W26782A.D	83.0
V2W1140-BS	2W27059.D	110.0
V2W1140-BSD	2W27060.D	110.0
V2W1140-MB	2W27061.D	72.0
V2W1141-BS	2W27087.D	113.0
V2W1141-BSD	2W27088.D	112.0
V2W1141-MB	2W27089.D	83.0
V2W1143-BS	2W27112.D	117.0
V2W1143-BSD	2W27113.D	117.0
V2W1143-MB	2W27114.D	84.0

Volatile Surrogate Recovery Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
V3W651-SCC	3W16314A.D	84.0
V3W652-SCC	3W16357.D	84.0
VW1077-SCC	W25993A.D	80.0
VW1078-SCC	W26020A.D	80.0
V2W1126-BS	2W26780.D	113.0
V2W1126-BSD	2W26781.D	114.0
V2W1126-MB	2W26782.D	83.0
V3W651-BS	3W16312.D	102.0
V3W651-BSD	3W16313.D	100.0
V3W651-MB	3W16314.D	84.0
V3W652-BS	3W16333.D	101.0
V3W652-BSD	3W16334.D	104.0
V3W652-MB	3W16335.D	87.0
VW1077-BS	W25991.D	101.0
VW1077-BSD	W25992.D	103.0
VW1077-MB	W25993.D	80.0
VW1078-BS	W26018.D	100.0
VW1078-BSD	W26019.D	100.0
VW1078-MB	W26020.D	80.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

Response Factor Report MS2W

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:05:15 2010
Response via : Initial Calibration

Calibration Files
0.04=2W26584.D 0.1 =2W26583.D 0.2 =2W26582.D 0.5 =2W26578.D
5.0 =2W26577.D 10. =2W26579.D 20. =2W26581.D 40 =2W26585.D
2 =2W26580.D =

Compound	0.04	0.1	0.2	0.5	5.0	10.	20.	40	2	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) DICHLORODIFLUOROMETHANE	5.689	4.979	5.023	4.731	4.142	3.598	3.305	3.133	3.466	4.230	21.50
4) FREON 152A	0.720	1.265	1.084	0.972	0.872	0.759	0.761	0.812	0.625	0.874	22.93
5) CHLORODIFLUOROMETHANE	0.520	0.592	0.643	0.519	0.469	0.389	0.407	0.452	0.327	0.480	20.88
6) PROPYLENE	1.248	1.396	1.245	1.106	0.982	0.960	0.965	0.902		1.101	16.16
7) PROPANE										0.000	-1.00
8) FREON 114	5.392	5.142	4.370	3.745	3.392	3.041	3.622			4.101	21.83
9) CHLOROMETHANE	0.443	0.513	0.497	0.421	0.389	0.382	0.411	0.324		0.423	14.65
10) VINYL CHLORIDE	0.874	1.672	1.770	1.692	1.459	1.356	1.333	1.355	1.194	1.412	19.82
11) 1,3-BUTADIENE	1.177	1.420	1.341	1.234	1.144	1.026	1.033	1.077	0.862	1.146	14.94
12) n-BUTANE	3.136	3.485	2.818	2.234	2.067	1.961	1.889	2.005		2.450	24.98
13) BROMOMETHANE	1.793	2.040	1.792	1.584	1.409	1.407	1.424	1.181		1.579	17.66
14) CHLOROETHANE	0.913	0.880	0.876	0.791	0.718	0.754	0.804	0.547		0.785	14.91
15) FREON 123	3.851	4.292	4.247	4.029	2.970	2.867	2.829	2.638	2.478	3.356	21.90
16) FREON 123A	2.550	2.769	2.723	2.630	1.897	1.883	1.895	1.884	1.570	2.200	20.87
17) TRICHLOROFLUOROMETHANE	5.140	5.103	4.979	4.244	3.588	3.471	3.225	3.169		4.115	20.88
18) ISOPROPYL ALCOHOL	2.219	2.643	2.553	1.986	1.867	2.068	2.269	1.631		2.154	15.77
19) ACETONE	0.637	0.786	0.637	0.407	0.457	0.531	0.584	0.311		0.544	27.64
20) PENTANE	1.845	1.871	1.791	1.456	1.295	1.302	1.331	1.138		1.504	19.20
21) TVHC as EQUIV PENTANE										0.000	-1.00
22) ETHYL ETHER										0.000	-1.00
23) IODOMETHANE											

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

		4.362	4.699	4.505	4.652	4.146	3.621	3.541	3.220	3.008	3.973	16.08
24)	1,1-DICHLOROETHYLENE											
		1.867	1.664	1.342	1.202	1.202	1.193	1.022			1.356	22.15
25)	CARBON DISULFIDE											
		4.632	4.705	4.288	3.824	3.437	3.279	3.030	3.186		3.798	17.59
26)	ETHANOL											
		0.840	0.590	0.425	0.448	0.512	0.596	0.388			0.543	28.28
27)	BROMOETHENE											
		1.570	1.206	1.769	1.803	1.632	1.449	1.452	1.452	1.170	1.500	14.69
28)	METHYLENE CHLORIDE											
		1.651	1.375	1.092	1.003	1.039	1.046	0.838			1.149	23.76
29)	3-CHLOROPROPENE											
		0.488	0.683	0.689	0.516	0.530	0.569	0.580	0.402		0.557	17.30
30)	FREON 113											
		3.305	3.188	2.412	2.156	2.106	1.993	1.825			2.427	24.25
31)	TRANS-1,2-DICHLOROETHYLENE											
		0.836	1.756	1.581	1.392	1.282	1.304	1.320	0.968		1.305	22.82
32)	TERTIARY BUTYL ALCOHOL											
		3.026	2.932	2.590	2.396	2.544	2.566	1.866			2.560	14.84
33)	METHYL TERTIARY BUTYL ETHER											
		4.611	4.177	2.800	3.099	3.278	3.143	2.198			3.329	24.56
34)	TETRAHYDROFURAN											
		0.545	0.658	0.493	0.442	0.498	0.583	0.475	0.294		0.498	21.49
35)	HEXANE											
		2.092	2.194	2.104	1.664	1.543	1.573	1.524	1.327		1.753	18.69
36)	VINYL ACETATE											
		0.258	0.260	0.199	0.241	0.273	0.307	0.123			0.237	25.26
37)	1,1-DICHLOROETHANE											
		2.463	2.898	3.147	2.806	2.145	2.078	2.057	1.949	1.683	2.358	21.00
38)	METHYL ETHYL KETONE											
		0.667	0.509	0.440	0.470	0.555	0.640	0.330			0.516	22.67
39)	cis-1,2-DICHLOROETHYLENE											
		1.718	1.902	1.841	1.552	1.242	1.240	1.274	1.278	0.949	1.444	22.43
40)	ETHYL ACETATE											
		0.250	0.296	0.192	0.262	0.224	0.274	0.306	0.124		0.241	24.94
41)	CHLOROFORM											
		2.975	2.972	3.355	3.087	2.554	2.476	2.502	2.422	1.933	2.697	16.07
42)	2,4-DIMETHYLPENTANE											
		2.776	2.595	2.128	2.038	2.073	2.016	1.697			2.189	16.90
43)	1,1,1-TRICHLOROETHANE											
		3.899	4.009	4.075	3.729	2.982	2.821	2.786	2.596	2.350	3.250	20.69
44)	CARBON TETRACHLORIDE											
		3.951	3.826	3.176	2.840	2.793	2.576	2.437			3.086	19.32
45)	1,2-DICHLOROETHANE											
		1.794	2.101	2.299	1.963	1.640	1.670	1.823	1.834	1.138	1.807	18.02
46)	I 1,4-DIFLUOROBENZENE	----------				ISTD					----------	
47)	BENZENE											
		0.912	0.939	1.075	1.054	0.795	0.759	0.746	0.693	0.571	0.838	20.11
48)	CYCLOHEXANE											
		0.695	0.633	0.547	0.507	0.434	0.440	0.446	0.395		0.512	20.71
49)	2,3-DIMETHYLPENTANE											
		0.180	0.284	0.253	0.188	0.172	0.179	0.191	0.150		0.200	22.57
50)	TRICHLOROETHYLENE											
		0.489	0.473	0.465	0.460	0.345	0.309	0.311	0.311	0.268	0.381	23.17
51)	1,2-DICHLOROPROPANE											
		0.361	0.344	0.341	0.256	0.260	0.268	0.271	0.180		0.285	21.14
52)	BROMODICHLOROMETHANE											
		0.615	0.761	0.705	0.717	0.572	0.529	0.517	0.489	0.407	0.590	20.09
53)	2,2,4-TRIMETHYLPENTANE											

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

		1.432	1.608	1.578	1.694	1.254	1.097	1.013	0.856	1.025	1.284	23.69
54)	1,4-DIOXANE											
		0.181	0.216	0.197	0.153	0.142	0.159	0.186	0.100		0.166	21.85
55)	METHYL METHACRYLATE											
		0.141	0.170	0.192	0.202	0.198	0.228	0.253	0.123		0.188	22.75
56)	HEPTANE											
		0.519	0.566	0.606	0.435	0.396	0.391	0.376	0.362		0.456	20.62
57)	TVHC as EQUIV HEPTANE											
											0.000	-1.00
58)	METHYL ISOBUTYL KETONE											
		0.383	0.442	0.436	0.411	0.437	0.466	0.255			0.404	17.51
59)	cis-1,3-DICHLOROPROPENE											
		0.480	0.457	0.423	0.407	0.415	0.411	0.278			0.410	15.64
60)	TOLUENE											
		0.475	0.651	0.684	0.653	0.522	0.534	0.542	0.529	0.335	0.547	19.58
61)	trans-1,3-DICHLOROPROPENE											
		0.340	0.317	0.310	0.341	0.340	0.354	0.384	0.401	0.208	0.333	16.56
62)	1,1,2-TRICHLOROETHANE											
		0.187	0.246	0.274	0.273	0.239	0.229	0.240	0.247	0.161	0.233	15.96
63)	I CHLOROBENZENE-D5	----------ISTD----------										
64)	2-HEXANONE											
		0.322	0.364	0.465	0.479	0.510	0.524	0.247			0.416	25.42
65)	TETRACHLOROETHYLENE											
		1.116	1.195	1.199	1.397	0.985	0.894	0.787	0.659	0.767	1.000	24.39
66)	DIBROMOCHLOROMETHANE											
		1.071	1.323	1.359	1.591	1.424	1.375	1.248	1.056	0.920	1.263	16.71
67)	1,2-DIBROMOETHANE											
		0.712	0.931	1.039	1.151	1.010	0.977	0.926	0.828	0.665	0.915	17.08
68)	OCTANE											
		1.526	1.508	1.804	1.330	1.197	1.055	0.861	1.079		1.295	23.72
69)	1,1,1,2-TETRACHLOROETHANE											
		0.910	1.069	1.158	1.319	0.982	0.947	0.859	0.720	0.683	0.961	21.06
70)	CHLOROBENZENE											
		1.028	1.506	1.571	1.741	1.433	1.362	1.223	1.002	0.984	1.317	20.77
71)	ETHYLBENZENE											
		2.081	2.514	2.887	3.120	2.263	2.237	1.939	1.473	1.591	2.234	24.49
72)	m,p-XYLENE											
		0.868	0.983	1.134	1.235	0.897	0.921	0.837	0.703	0.638	0.913	20.68
73)	o-XYLENE											
		1.081	1.155	1.218	0.880	0.928	0.869	0.749	0.662		0.943	20.69
74)	STYRENE											
		0.768	0.924	0.947	1.072	1.188	1.160	1.113	0.623		0.974	20.44
75)	NONANE											
		0.972	1.079	1.301	1.422	1.170	1.096	0.962	0.783	0.888	1.075	18.74
76)	BROMOFORM											
		0.611	0.794	0.895	0.955	1.032	1.027	0.977	0.878	0.570	0.860	19.81
77)	4-BROMOFLUOROBENZENE											
		0.814	0.827	0.856	0.945	1.070	1.035	1.056	1.044	0.932	0.953	10.77
78)	1,1,2,2-TETRACHLOROETHANE											
		0.638	0.976	1.182	1.161	0.994	0.994	0.920	0.786	0.751	0.933	19.50
79)	ISOPROPYLBENZENE											
		2.143	2.802	3.489	3.549	2.472	2.463	2.059	1.486	1.858	2.480	28.26
80)	2-CHLOROTOLUENE											
		0.645	0.644	0.741	0.754	0.601	0.597	0.567	0.514	0.422	0.610	17.09
81)	n-PROPYLBENZENE											
		0.361	0.458	0.677	0.816	0.629	0.651	0.620	0.548	0.432	0.577	24.52
82)	4-ETHYLTOLUENE											
		1.281	1.699	1.749	2.128	1.875	1.932	1.717	1.286	1.302	1.663	18.58
83)	1,3,5-TRIMETHYLBENZENE											

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

```
                1.741 1.928 2.005 1.779 1.794 1.554 1.165 1.329   1.662   17.56
84)  TERT-BUTYLBENZENE
                0.400 0.450 0.581 0.469 0.491 0.475 0.431 0.333   0.454   15.88
85)  1,2,4-TRIMETHYLBENZENE
                1.558 1.781 1.668 1.508 1.520 1.357 1.049 1.124   1.446   17.60
86)  m-DICHLOROBENZENE
          0.550 0.739 0.773 0.850 0.834 0.850 0.819 0.725 0.522   0.740   16.85
87)  BENZYL CHLORIDE
                0.739 0.894 0.834 0.775 0.855 0.895 0.809 0.544   0.793   14.42
88)  p-DICHLOROBENZENE
          0.767 0.756 0.871 0.833 0.750 0.787 0.768 0.686 0.532   0.750   12.93
89)  SEC-BUTYLBENZENE
                0.410 0.544 0.637 0.523 0.544 0.513 0.446 0.372   0.499   17.10
90)  p-ISOPROPYLTOLUENE
                0.399 0.503 0.552 0.530 0.552 0.546 0.486 0.355   0.490   15.27
91)  o-DICHLOROBENZENE
          0.722 0.810 0.951 0.997 0.792 0.830 0.787 0.677 0.564   0.792   16.62
92)  n-BUTYLBENZENE
                0.297 0.357 0.379 0.368 0.407 0.428 0.402 0.221   0.357   19.00
93)  HEXACHLOROBUTADIENE
                0.459 0.529 0.502 0.507 0.540 0.468 0.410 0.303   0.465   16.67
94)  1,2,4-TRICHLOROBENZENE
                      0.348 0.235 0.186 0.239 0.263 0.276 0.134   0.240   28.22

95)     CHLOROBENZENE-D5(A)   ----------------ISTD--------------------
96)  NAPHTHALENE
                      0.447 0.694 0.387 0.550 0.827 0.944         0.641   34.14
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2W1118.M         Wed Apr 07 09:31:43 2010   MS2W
```

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:05:15 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00
2		FREON 115	0.000	0.000	0.0	0#	-5.36#
3		DICHLORODIFLUOROMETHANE	4.230	4.011	5.2	110	0.00
4		FREON 152A	0.874	0.789	9.7	103	0.00
5		CHLORODIFLUOROMETHANE	0.432	0.423	2.1	108	0.00
6		PROPYLENE	1.101	1.152	-4.6	116	0.00
7		PROPANE	0.000	0.000	0.0	0#	-7.62#
8		FREON 114	4.101	3.862	5.8	102	0.00
9		CHLOROMETHANE	0.423	0.417	1.4	106	0.00
10		VINYL CHLORIDE	1.412	1.477	-4.6	108	0.00
11		1,3-BUTADIENE	1.146	1.094	4.5	106	0.00
12		n-BUTANE	2.450	2.372	3.2	114	0.00
13		BROMOMETHANE	1.579	1.457	7.7	102	0.00
14		CHLOROETHANE	0.785	0.789	-0.5	109	0.00
15		FREON 123	3.356	3.133	6.6	108	0.00
16		FREON 123A	2.200	2.003	9.0	105	0.00
17		TRICHLOROFLUOROMETHANE	4.115	3.748	8.9	103	0.00
18		ISOPROPYL ALCOHOL	2.154	2.254	-4.6	119	0.00
19		ACETONE	0.544	0.492	9.6	106	0.00
20		PENTANE	1.504	1.437	4.5	110	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	-6.59#
22		ETHYL ETHER	0.000	0.000	0.0	0#	-6.95#
23		IODOMETHANE	3.973	3.647	8.2	100	0.00
24		1,1-DICHLOROETHYLENE	1.356	1.248	8.0	103	0.00
25		CARBON DISULFIDE	3.798	3.583	5.7	103	0.00
26		ETHANOL	0.543	0.516	5.0	114	0.00
27		BROMOETHENE	1.500	1.492	0.5	102	0.00
28		METHYLENE CHLORIDE	1.149	1.081	5.9	107	0.00
29		3-CHLOROPROPENE	0.557	0.580	-4.1	108	0.01
30		FREON 113	2.427	2.204	9.2	101	0.00
31		TRANS-1,2-DICHLOROETHYLENE	1.305	1.360	-4.2	105	0.00
32		TERTIARY BUTYL ALCOHOL	2.560	2.797	-9.3	116	0.00
33		METHYL TERTIARY BUTYL ETHER	3.329	3.151	5.3	101	0.00
34		TETRAHYDROFURAN	0.498	0.503	-1.0	100	0.00
35		HEXANE	1.753	1.686	3.8	108	0.00
36		VINYL ACETATE	0.237	0.217	8.4	89	-0.01
37		1,1-DICHLOROETHANE	2.358	2.250	4.6	107	0.00
38		METHYL ETHYL KETONE	0.516	0.505	2.1	106	0.00
39		cis-1,2-DICHLOROETHYLENE	1.444	1.311	9.2	105	0.00
40		ETHYL ACETATE	0.241	0.282	-17.0	125	0.00
41		CHLOROFORM	2.697	2.637	2.2	105	0.00
42		2,4-DIMETHYLPENTANE	2.189	2.227	-1.7	108	0.00

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

43		1,1,1-TRICHLOROETHANE	3.250	3.002	7.6	105	0.00	
44		CARBON TETRACHLORIDE	3.086	3.029	1.8	106	0.00	
45		1,2-DICHLOROETHANE	1.807	1.811	-0.2	107	0.00	
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	
47		BENZENE	0.838	0.827	1.3	105	0.00	
48		CYCLOHEXANE	0.512	0.488	4.7	108	0.00	
49		2,3-DIMETHYLPENTANE	0.200	0.195	2.5	109	0.00	
50		TRICHLOROETHYLENE	0.381	0.336	11.8	105	0.00	
51		1,2-DICHLOROPROPANE	0.285	0.287	-0.7	107	0.00	
52		BROMODICHLOROMETHANE	0.590	0.583	1.2	106	0.00	
53		2,2,4-TRIMETHYLPENTANE	1.284	1.235	3.8	108	0.00	
54		1,4-DIOXANE	0.166	0.160	3.6	109	0.00	
55		METHYL METHACRYLATE	0.188	0.219	-16.5	107	0.00	
56		HEPTANE	0.456	0.449	1.5	109	0.00	
57	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	-12.03#	
58		METHYL ISOBUTYL KETONE	0.404	0.496	-22.8	116	0.00	
59		cis-1,3-DICHLOROPROPENE	0.410	0.444	-8.3	105	0.00	
60		TOLUENE	0.547	0.558	-2.0	101	0.00	
61		trans-1,3-DICHLOROPROPENE	0.333	0.390	-17.1	106	0.00	
62		1,1,2-TRICHLOROETHANE	0.233	0.246	-5.6	103	0.00	
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	107	0.00	
64		2-HEXANONE	0.416	0.527	-26.7	117	0.00	
65		TETRACHLOROETHYLENE	1.000	0.835	16.5	100	0.00	
66		DIBROMOCHLOROMETHANE	1.263	1.282	-1.5	100	0.00	
67		1,2-DIBROMOETHANE	0.915	0.941	-2.8	103	0.00	
68		OCTANE	1.295	1.212	6.4	108	0.00	
69		1,1,1,2-TETRACHLOROETHANE	0.961	0.895	6.9	101	0.00	
70		CHLOROBENZENE	1.317	1.273	3.3	100	0.00	
71		ETHYLBENZENE	2.234	2.103	5.9	100	0.00	
72		m,p-XYLENE	0.913	0.849	7.0	98	0.00	
73		o-XYLENE	0.943	0.841	10.8	97	0.00	
74		STYRENE	0.974	1.116	-14.6	100	0.00	
75		NONANE	1.075	1.101	-2.4	107	0.00	
76		BROMOFORM	0.860	0.965	-12.2	100	0.00	
77	S	4-BROMOFLUOROBENZENE	0.953	1.022	-7.2	105	0.00	
78		1,1,2,2-TETRACHLOROETHANE	0.933	0.935	-0.2	100	0.00	
79		ISOPROPYLBENZENE	2.480	2.267	8.6	98	0.00	
80		2-CHLOROTOLUENE	0.610	0.560	8.2	100	0.00	
81		n-PROPYLBENZENE	0.577	0.583	-1.0	96	0.00	
82		4-ETHYLTOLUENE	1.663	1.755	-5.5	97	0.00	
83		1,3,5-TRIMETHYLBENZENE	1.662	1.619	2.6	96	0.00	
84		TERT-BUTYLBENZENE	0.454	0.438	3.5	95	0.00	
85		1,2,4-TRIMETHYLBENZENE	1.446	1.389	3.9	98	0.00	
86		m-DICHLOROBENZENE	0.740	0.798	-7.8	100	0.00	
87		BENZYL CHLORIDE	0.793	0.830	-4.7	104	0.00	
88		p-DICHLOROBENZENE	0.750	0.753	-0.4	102	0.00	
89		SEC-BUTYLBENZENE	0.499	0.483	3.2	95	0.00	
90		p-ISOPROPYLTOLUENE	0.490	0.505	-3.1	98	0.00	
91		o-DICHLOROBENZENE	0.792	0.774	2.3	100	0.00	
92		n-BUTYLBENZENE	0.357	0.368	-3.1	97	0.00	
93		HEXACHLOROBUTADIENE	0.465	0.475	-2.2	94	0.00	
94		1,2,4-TRICHLOROBENZENE	0.240	0.239	0.4	107	0.00	
95		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	107	0.00	
96		NAPHTHALENE	0.641	0.000	100.0#	0#	-21.46#	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

2W26579.D M2W1118.M Wed Apr 07 09:31:42 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1126-CC1118
Lab FileID: 2W26779.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W26779.D Vial: 2
Acq On : 15 Apr 2010 11:47 am Operator: yunxiac
Sample : cc1118-10 Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 08 13:12:19 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	-0.01
2		FREON 115	0.000	0.000	0.0	0#	-0.02
3		DICHLORODIFLUOROMETHANE	4.230	4.199	0.7	117	0.00
4		FREON 152A	0.874	0.928	-6.2	122	-0.01
5		CHLORODIFLUOROMETHANE	0.480	0.558	-16.3	143	0.00
6		PROPYLENE	1.101	0.956	13.2	97	0.00
7		PROPANE	0.000	0.000	0.0	0#	-7.62#
8		FREON 114	4.101	3.764	8.2	100	0.00
9		CHLOROMETHANE	0.423	0.391	7.6	100	-0.01
10		VINYL CHLORIDE	1.412	1.488	-5.4	110	0.00
11		1,3-BUTADIENE	1.146	1.055	7.9	103	-0.01
12		n-BUTANE	2.450	2.001	18.3	97	-0.01
13		BROMOMETHANE	1.579	1.598	-1.2	113	0.00
14		CHLOROETHANE	0.785	0.797	-1.5	111	0.00
15		FREON 123	3.356	3.231	3.7	113	0.00
16		FREON 123A	2.200	2.233	-1.5	119	-0.01
17		TRICHLOROFLUOROMETHANE	4.115	4.785	-16.3	133	0.00
18		ISOPROPYL ALCOHOL	2.154	2.132	1.0	114	0.00
19		ACETONE	0.544	0.467	14.2	102	0.00
20		PENTANE	1.504	1.381	8.2	107	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	0.00
22		ETHYL ETHER	0.000	0.000	0.0	0#	-0.07
23		IODOMETHANE	3.973	4.272	-7.5	118	-0.01
24		1,1-DICHLOROETHYLENE	1.356	1.215	10.4	101	0.00
25		CARBON DISULFIDE	3.798	3.014	20.6	88	0.00
26		ETHANOL	0.543	0.494	9.0	110	-0.01
27		BROMOETHENE	1.500	1.703	-13.5	117	-0.01
28		METHYLENE CHLORIDE	1.149	0.994	13.5	99	-0.01
29		3-CHLOROPROPENE	0.557	0.545	2.2	103	-0.01
30		FREON 113	2.427	2.411	0.7	112	0.00
31		TRANS-1,2-DICHLOROETHYLENE	1.305	1.233	5.5	96	-0.01
32		TERTIARY BUTYL ALCOHOL	2.560	2.532	1.1	106	-0.01
33		METHYL TERTIARY BUTYL ETHER	3.329	3.143	5.6	101	-0.01
34		TETRAHYDROFURAN	0.498	0.460	7.6	92	-0.02
35		HEXANE	1.753	1.455	17.0	94	0.00
36		VINYL ACETATE	0.237	0.218	8.0	90	-0.02
37		1,1-DICHLOROETHANE	2.358	2.069	12.3	100	-0.01
38		METHYL ETHYL KETONE	0.516	0.456	11.6	97	-0.02
39		cis-1,2-DICHLOROETHYLENE	1.444	1.231	14.8	99	-0.01
40		ETHYL ACETATE	0.241	0.246	-2.1	110	-0.02
41		CHLOROFORM	2.697	2.645	1.9	107	-0.01
42		2,4-DIMETHYLPENTANE	2.189	1.928	11.9	95	-0.02

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1126-CC1118
Lab FileID: 2W26779.D

43		1,1,1-TRICHLOROETHANE	3.250	3.221	0.9	114	-0.01
44		CARBON TETRACHLORIDE	3.086	3.403	-10.3	120	-0.01
45		1,2-DICHLOROETHANE	1.807	1.964	-8.7	118	-0.01
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	-0.01
47		BENZENE	0.838	0.740	11.7	95	-0.01
48		CYCLOHEXANE	0.512	0.462	9.8	103	-0.01
49		2,3-DIMETHYLPENTANE	0.200	0.163	18.5	92	-0.01
50		TRICHLOROETHYLENE	0.381	0.333	12.6	105	-0.01
51		1,2-DICHLOROPROPANE	0.285	0.248	13.0	93	-0.01
52		BROMODICHLOROMETHANE	0.590	0.575	2.5	106	-0.01
53		2,2,4-TRIMETHYLPENTANE	1.284	1.055	17.8	93	-0.01
54		1,4-DIOXANE	0.166	0.136	18.1	93	-0.02
55		METHYL METHACRYLATE	0.188	0.203	-8.0	100	-0.02
56		HEPTANE	0.456	0.383	16.0	94	0.00
57	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	0.00
58		METHYL ISOBUTYL KETONE	0.404	0.432	-6.9	102	-0.01
59		cis-1,3-DICHLOROPROPENE	0.410	0.395	3.7	94	-0.02
60		TOLUENE	0.547	0.505	7.7	92	-0.01
61		trans-1,3-DICHLOROPROPENE	0.333	0.419	-25.8	115	-0.01
62		1,1,2-TRICHLOROETHANE	0.233	0.231	0.9	97	-0.02
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	107	0.00
64		2-HEXANONE	0.416	0.398	4.3	89	-0.01
65		TETRACHLOROETHYLENE	1.000	0.871	12.9	104	-0.02
66		DIBROMOCHLOROMETHANE	1.263	1.341	-6.2	104	-0.01
67		1,2-DIBROMOETHANE	0.915	0.920	-0.5	100	-0.01
68		OCTANE	1.295	1.071	17.3	95	-0.01
69		1,1,1,2-TETRACHLOROETHANE	0.961	0.995	-3.5	112	-0.01
70		CHLOROBENZENE	1.317	1.219	7.4	95	0.00
71		ETHYLBENZENE	2.234	2.102	5.9	100	-0.01
72		m,p-XYLENE	0.913	0.806	11.7	93	-0.01
73		o-XYLENE	0.943	0.809	14.2	93	-0.01
74		STYRENE	0.974	1.068	-9.7	96	-0.01
75		NONANE	1.075	0.991	7.8	96	0.00
76		BROMOFORM	0.860	1.107	-28.7	115	-0.01
77	S	4-BROMOFLUOROBENZENE	0.953	1.110	-16.5	114	-0.01
78		1,1,2,2-TETRACHLOROETHANE	0.933	0.897	3.9	96	-0.01
79		ISOPROPYLBENZENE	2.480	2.314	6.7	100	-0.01
80		2-CHLOROTOLUENE	0.610	0.572	6.2	102	-0.01
81		n-PROPYLBENZENE	0.577	0.598	-3.6	98	-0.01
82		4-ETHYLTOLUENE	1.663	1.860	-11.8	103	-0.01
83		1,3,5-TRIMETHYLBENZENE	1.662	1.729	-4.0	103	-0.01
84		TERT-BUTYLBENZENE	0.454	0.484	-6.6	105	0.00
85		1,2,4-TRIMETHYLBENZENE	1.446	1.513	-4.6	106	0.00
86		m-DICHLOROBENZENE	0.740	0.830	-12.2	104	-0.01
87		BENZYL CHLORIDE	0.793	0.891	-12.4	111	-0.01
88		p-DICHLOROBENZENE	0.750	0.801	-6.8	109	0.00
89		SEC-BUTYLBENZENE	0.499	0.518	-3.8	102	-0.01
90		p-ISOPROPYLTOLUENE	0.490	0.543	-10.8	105	0.00
91		o-DICHLOROBENZENE	0.792	0.817	-3.2	105	-0.01
92		n-BUTYLBENZENE	0.357	0.407	-14.0	107	0.00
93		HEXACHLOROBUTADIENE	0.465	0.727	-56.3#	144	0.00
94		1,2,4-TRICHLOROBENZENE	0.240	0.275	-14.6	123	0.00
95		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	107	0.00
96		NAPHTHALENE	0.641	0.000	100.0#	0#	-21.46#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1126-CC1118
Lab FileID: 2W26779.D

2W26579.D M2W1118.M Thu Apr 15 15:23:58 2010 MS2W

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICC1138
Lab FileID: 2W27037.D

Response Factor Report MS2W

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

Calibration Files
0.04=2W27044.D 0.1 =2W27043.D 0.2 =2W27040.D 0.5 =2W27039.D
5.0 =2W27038.D 10. =2W27037.D 20. =2W27041.D 40 =2W27045.D
1 =2W27042.D = = =

Compound	0.04	0.1	0.2	0.5	5.0	10.	20.	40	1	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) DICHLORODIFLUOROMETHANE											
	5.171	5.809	4.173	3.874	4.502	3.343	5.348			4.603	19.12
4) FREON 152A											
	1.773	1.816	1.240	1.278	1.604	1.403	1.532			1.521	14.92
5) CHLORODIFLUOROMETHANE											
	0.591	0.444	0.599	0.453	0.465	0.577	0.524	0.544		0.525	12.06
6) PROPYLENE											
	2.259	2.627	1.746	1.515	1.994	1.583	2.202			1.989	20.25
7) PROPANE										0.000	-1.00
8) FREON 114											
	5.934	6.430	4.464	4.301	4.653	3.225	5.801			4.973	22.63
9) CHLOROMETHANE											
	0.916	0.873	0.626	0.633	0.804	0.684	0.774			0.759	15.13
10) VINYL CHLORIDE											
	2.559	2.355	2.745	1.962	1.982	2.407	1.887	2.424		2.290	13.60
11) 1,3-BUTADIENE											
	2.099	2.212	1.491	1.545	1.867	1.453	1.871			1.791	16.89
12) n-BUTANE											
	4.597	3.845	4.614	3.052	2.923	3.427	2.442	4.076		3.622	21.98
13) BROMOMETHANE											
	1.805	2.025	1.474	1.537	1.881	1.452	1.837			1.716	13.16
14) CHLOROETHANE											
	1.343	1.145	1.390	0.963	1.021	1.309	1.014	1.235		1.177	14.04
15) FREON 123											
	4.141	4.733	3.243	3.254	3.668	2.584	4.315			3.705	20.00
16) FREON 123A											
	2.155	1.848	2.281	1.557	1.628	1.949	1.519	2.123		1.882	15.55
17) TRICHLOROFLUOROMETHANE											
	4.154	4.851	3.383	3.484	3.926	2.946	4.534			3.897	17.28
18) ISOPROPYL ALCOHOL											
	2.968	3.031	3.097	2.257	2.587	3.475	2.143	3.174		2.841	16.42
19) ACETONE											
	0.889	0.965	0.459	0.649	0.912	0.670	0.925			0.781	24.32
20) PENTANE											
	2.337	2.653	1.701	1.724	2.132	1.460	2.304			2.044	20.88
21) TVHC as EQUIV PENTANE										0.000	-1.00
22) IODOMETHANE											
	3.105	3.298	3.095	3.734	2.832	3.024	3.534	2.697	3.590	3.212	10.99
23) 1,1-DICHLOROETHYLENE											

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICC1138
Lab FileID: 2W27037.D

		1.574	1.723	1.610	1.170	1.250	1.454	1.137	1.568	1.436	15.44
24)	CARBON DISULFIDE										
		5.116	5.728	4.218	4.225	4.591	3.346	5.216		4.634	17.10
25)	ETHANOL										
		0.809	0.879	0.560	0.720	0.984	0.713	0.857		0.789	17.47
26)	BROMOETHENE										
		1.369	1.747	1.451	1.750	1.309	1.393	1.716	1.327	1.642	1.523	12.35
27)	METHYLENE CHLORIDE										
		1.658	1.719	1.118	1.218	1.388	1.124	1.525		1.393	17.88
28)	3-CHLOROPROPENE										
		0.797	0.753	0.768	0.897	0.661	0.717	0.838	0.682	0.824	0.771	9.94
29)	FREON 113										
		0.871	2.323	2.092	2.464	1.733	1.831	2.092	1.657	2.298	1.929	25.08
30)	TRANS-1,2-DICHLOROETHYLENE										
		1.932	1.768	2.005	1.398	1.524	1.744	1.383	1.750		1.688	13.76
31)	TERTIARY BUTYL ALCOHOL										
		1.949	3.270	3.060	3.384	2.724	2.982	3.550	2.088	2.826	2.870	19.15
32)	METHYL TERTIARY BUTYL ETHER										
		4.331	4.367	4.783	5.096	2.931	3.808	4.307	3.049	5.157	4.203	19.19
33)	TETRAHYDROFURAN										
		0.692	0.672	0.871	0.562	0.788	0.978	0.780	0.873		0.777	17.07
34)	HEXANE										
		3.119	3.527	2.311	2.399	2.527	1.771	3.083			2.677	22.30
35)	VINYL ACETATE										
		0.218	0.352	0.232	0.327	0.424	0.365	0.368			0.327	22.99
36)	1,1-DICHLOROETHANE										
		2.971	3.736	3.623	4.163	2.859	2.918	3.066	2.232	3.761	3.259	18.41
37)	METHYL ETHYL KETONE										
		0.524	0.591	0.786	0.511	0.746	0.955	0.781	0.846		0.717	22.26
38)	cis-1,2-DICHLOROETHYLENE										
		1.877	1.751	1.872	1.426	1.576	1.784	1.398	1.833		1.690	11.61
39)	ETHYL ACETATE										
		0.500	0.416	0.295	0.445	0.595	0.482	0.447			0.454	19.98
40)	CHLOROFORM										
		3.052	3.502	3.396	3.930	2.797	3.034	3.345	2.497	3.632	3.243	13.62
41)	2,4-DIMETHYLPENTANE										
		3.423	3.925	3.882	4.332	3.073	3.181	3.395	2.422	3.884	3.502	16.37
42)	1,1,1-TRICHLOROETHANE										
		3.372	3.943	3.716	4.199	2.941	3.122	3.393	2.514	3.897	3.455	15.60
43)	CARBON TETRACHLORIDE										
		3.401	3.735	3.536	4.117	2.832	3.020	3.297	2.487	3.752	3.353	15.13
44)	1,2-DICHLOROETHANE										
		2.403	2.065	2.463	1.709	1.980	2.310	1.813	2.332		2.134	13.29
45)	I 1,4-DIFLUOROBENZENE	----------				ISTD	----------				
46)	BENZENE										
		1.072	1.120	1.083	1.328	0.916	0.984	1.002	0.667	1.213	1.043	17.98
47)	CYCLOHEXANE										
		0.644	0.578	0.715	0.496	0.531	0.566	0.422	0.633		0.573	16.09
48)	2,3-DIMETHYLPENTANE										
		0.299	0.314	0.217	0.235	0.259	0.196	0.268			0.255	16.70
49)	TRICHLOROETHYLENE										
		0.413	0.452	0.416	0.502	0.334	0.369	0.399	0.288	0.454	0.403	16.23
50)	1,2-DICHLOROPROPANE										
		0.369	0.407	0.506	0.342	0.392	0.424	0.303	0.445		0.398	15.76
51)	BROMODICHLOROMETHANE										
		0.648	0.719	0.683	0.787	0.565	0.606	0.627	0.431	0.736	0.645	16.38
52)	2,2,4-TRIMETHYLPENTANE										
		2.045	1.857	2.297	1.566	1.492	1.352	0.784	2.007		1.675	28.63
53)	1,4-DIOXANE										

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICC1138
Lab FileID: 2W27037.D

		0.190	0.243	0.147	0.185	0.222	0.169	0.226	0.198	17.38
54)	METHYL METHACRYLATE									
		0.241	0.268	0.372	0.205	0.303	0.352	0.252	0.360	0.294	21.15
55)	HEPTANE									
		0.736	0.897	0.554	0.573	0.561	0.358	0.785	0.638	28.19
56)	TVHC as EQUIV HEPTANE									
									0.000	-1.00
57)	METHYL ISOBUTYL KETONE									
		0.572	0.486	0.716	0.506	0.622	0.699	0.445	0.726	0.596	18.60
58)	cis-1,3-DICHLOROPROPENE									
		0.492	0.524	0.473	0.592	0.458	0.528	0.570	0.402	0.604	0.516	12.93
59)	TOLUENE									
		0.517	0.643	0.597	0.780	0.542	0.643	0.712	0.495	0.742	0.630	16.07
60)	trans-1,3-DICHLOROPROPENE									
		0.363	0.314	0.445	0.358	0.450	0.525	0.387	0.407	0.406	16.27
61)	1,1,2-TRICHLOROETHANE									
		0.309	0.286	0.365	0.269	0.320	0.358	0.261	0.354	0.315	13.10
62)	I CHLOROBENZENE-D5	----------				ISTD			----------	
63)	2-HEXANONE									
		0.313	0.483	0.447	0.607	0.752	0.514	0.534	0.521	26.15
64)	TETRACHLOROETHYLENE									
		0.669	0.788	0.685	0.905	0.593	0.647	0.691	0.491	0.880	0.705	18.81
65)	DIBROMOCHLOROMETHANE									
		0.968	1.048	0.948	1.327	0.920	1.061	1.148	0.809	1.297	1.059	16.35
66)	1,2-DIBROMOETHANE									
		0.843	0.768	1.050	0.748	0.904	1.004	0.715	1.061	0.887	15.74
67)	OCTANE									
		1.685	2.220	1.388	1.389	1.268	0.751	2.018	1.531	32.14
68)	1,1,1,2-TETRACHLOROETHANE									
		0.734	0.814	0.744	0.992	0.682	0.778	0.835	0.589	0.958	0.792	16.05
69)	CHLOROBENZENE									
		1.149	1.372	1.141	1.592	1.042	1.209	1.257	0.828	1.527	1.235	19.24
70)	ETHYLBENZENE									
		1.952	2.672	2.282	3.104	1.846	2.099	2.012	1.183	3.026	2.242	27.22
71)	m,p-XYLENE									
		0.749	1.018	0.818	1.163	0.661	0.796	0.843	0.545	1.123	0.857	24.16
72)	o-XYLENE									
		0.724	1.113	0.853	1.183	0.661	0.807	0.866	0.597	1.162	0.885	24.77
73)	STYRENE									
		0.820	0.679	1.056	0.835	1.110	1.226	0.826	1.104	0.957	19.94
74)	NONANE									
		0.876	1.264	1.262	1.823	1.206	1.227	1.111	0.647	1.689	1.234	29.28
75)	BROMOFORM									
		0.608	0.579	0.784	0.634	0.795	0.915	0.672	0.807	0.724	16.27
76)	4-BROMOFLUOROBENZENE									
		0.859	0.929	0.934	0.975	1.101	1.171	1.187	1.199	0.996	1.039	12.27
77)	1,1,2,2-TETRACHLOROETHANE									
		0.786	1.389	1.076	1.477	0.905	1.059	1.086	0.699	1.378	1.095	25.06
78)	ISOPROPYLBENZENE									
		2.389	2.712	2.336	3.182	1.849	2.132	1.978	1.131	3.180	2.321	28.20
79)	2-CHLOROTOLUENE									
		0.500	0.589	0.499	0.667	0.436	0.527	0.596	0.440	0.639	0.544	15.32
80)	n-PROPYLBENZENE									
		0.350	0.585	0.474	0.661	0.420	0.553	0.621	0.440	0.664	0.530	21.42
81)	4-ETHYLTOLUENE									
		1.805	1.324	2.039	1.353	1.721	1.601	0.983	2.166	1.624	24.23
82)	1,3,5-TRIMETHYLBENZENE									
		1.558	1.749	1.307	2.008	1.266	1.559	1.511	0.901	2.056	1.546	23.63
83)	TERT-BUTYLBENZENE									

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICC1138
Lab FileID: 2W27037.D

```
            0.349 0.302 0.463 0.312 0.421 0.485 0.360 0.518        0.401   20.44
84)  1,2,4-TRIMETHYLBENZENE
             1.318 1.534 1.105 1.671 1.062 1.349 1.332 0.817 1.762        1.328   22.76
85)  m-DICHLOROBENZENE
             0.632 0.727 0.478 0.735 0.548 0.690 0.779 0.560 0.716        0.652   15.76
86)  BENZYL CHLORIDE
             1.045 1.017 0.592 0.894 0.610 0.863 0.986 0.683 0.847        0.838   20.55
87)  p-DICHLOROBENZENE
             0.520 0.740 0.487 0.687 0.506 0.649 0.741 0.531 0.666        0.614   16.76
88)  SEC-BUTYLBENZENE
            0.409 0.324 0.516 0.345 0.459 0.505 0.361 0.558        0.435   20.19
89)  p-ISOPROPYLTOLUENE
            0.348 0.287 0.485 0.333 0.473 0.539 0.393 0.521        0.422   22.37
90)  o-DICHLOROBENZENE
             0.696 0.812 0.541 0.838 0.543 0.669 0.757 0.533 0.776        0.685   17.68
91)  n-BUTYLBENZENE
             0.301 0.307 0.234 0.341 0.235 0.354 0.435 0.334 0.345        0.321   19.36
92)  HEXACHLOROBUTADIENE
            0.371 0.285 0.448 0.353 0.439 0.483 0.363 0.520        0.408   19.05
93)  1,2,4-TRICHLOROBENZENE
                  0.191 0.268 0.124 0.200 0.282 0.241 0.274        0.226   25.35

94)     CHLOROBENZENE-D5(A)   ----------------ISTD--------------------
95)  NAPHTHALENE
                                                                   0.000   -1.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2W1138.M         Wed May 05 15:15:13 2010   MS2W
```

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1139-ICC1139
Lab FileID: 2W27037A.D

Response Factor Report MS2W

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration

Calibration Files
0.2 =2W27040A.D 0.5 =2W27039A.D 1.0 =2W27042A.D 5.0 =2W27038A.D
10. =2W27037A.D 20. =2W27041A.D 40. =2W27045A.D

Compound	0.2	0.5	1.0	5.0	10.	20.	40.	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD								
2)m DICHLORODIFLUOROM	5.284	5.814	5.234	4.214	3.836	4.448	3.274	4.586	19.62
3)m FREON 114	6.115	6.532	5.873	4.558	4.266	4.623	3.174	5.020	23.79
4)m CHLOROMETHANE	0.922	0.766	0.725	0.608	0.604	0.780	0.662	0.724	15.51
5)m VINYL CHLORIDE	2.397	2.727	2.386	1.948	1.931	2.351	1.832	2.225	14.70
6)m 1,3-BUTADIENE	2.041	2.192	1.870	1.517	1.531	1.867	1.446	1.781	16.16
7)m BROMOMETHANE	1.860	2.051	1.829	1.495	1.533	1.881	1.446	1.728	13.52
8)m CHLOROETHANE	1.180	1.355	1.245	0.974	1.022	1.310	1.010	1.157	13.41
9)m TRICHLOROFLUOROME	4.281	4.858	4.590	3.445	3.481	3.929	2.934	3.931	17.53
10)m ISOPROPYL ALCOHOL	2.587	3.137	3.088	2.307	2.560	3.454	2.119	2.750	17.66
11)T ACETONE	0.916	0.977	0.937	0.471	0.649	0.913	0.668	0.790	24.47
12)m 1,1-DICHLOROETHYL	1.776	1.615	1.588	1.196	1.250	1.454	1.133	1.430	16.99
13)T CARBON DISULFIDE	5.272	5.627	5.200	4.263	4.195	4.571	3.322	4.636	17.09
14)m ETHANOL	0.463	0.895	0.867	0.572	0.725	0.997	0.719	0.748	25.08
15)T BROMOETHENE	1.496	1.772	1.644	1.338	1.388	1.714	1.322	1.525	12.18
16)m METHYLENE CHLORID	1.709	1.727	1.540	1.144	1.209	1.387	1.120	1.405	18.42
17)T 3-CHLOROPROPENE	0.792	0.909	0.834	0.677	0.718	0.842	0.682	0.779	11.43
18)m FREON 113	2.156	2.496	2.327	1.767	1.829	2.095	1.651	2.046	15.16
19)T TRANS-1,2-DICHLOR	1.726	1.901	1.772	1.410	1.506	1.736	1.373	1.632	12.36
20)T TERTIARY BUTYL AL	3.154	3.418	2.683	2.778	2.959	3.561	2.085	2.948	16.86
21)m METHYL TERTIARY B	4.666	5.068	5.107	2.957	3.787	4.283	3.020	4.127	21.84
22)m TETRAHYDROFURAN	1.964	2.142	2.162	1.372	1.882	2.244	1.661	1.918	16.26
23)T HEXANE	3.214	3.573	3.108	2.362	2.396	2.530	1.767	2.707	22.87
24)m 1,1-DICHLOROETHAN	3.705	4.173	3.792	2.884	2.918	3.077	2.230	3.254	20.49
25)T METHYL ETHYL KETO	0.609	0.751	0.842	0.523	0.743	0.962	0.779	0.744	19.45
26)m cis-1,2-DICHLOROE	1.687	1.897	1.832	1.440	1.572	1.783	1.392	1.658	11.79
27)T CHLOROFORM	3.500	3.981	3.640	2.849	3.021	3.344	2.487	3.260	15.60
28)m 1,1,1-TRICHLOROET	3.830	4.254	3.945	3.002	3.109	3.392	2.506	3.434	17.81
29)m CARBON TETRACHLOR	3.645	4.170	3.752	2.885	3.018	3.299	2.478	3.321	17.40
30)m 1,2-DICHLOROETHAN	2.108	2.451	2.305	1.712	1.923	2.259	1.772	2.076	13.56
31) I 1,4-DIFLUOROBENZENE	ISTD								
32)m BENZENE	1.066	1.336	1.219	0.916	0.979	1.003	0.664	1.026	21.08
33)m CYCLOHEXANE	0.583	0.722	0.639	0.499	0.528	0.564	0.422	0.565	17.15
34)m TRICHLOROETHYLENE	0.406	0.497	0.450	0.333	0.368	0.399	0.288	0.392	17.89
35)T 1,2-DICHLOROPROPA	0.395	0.510	0.445	0.343	0.388	0.421	0.299	0.400	17.12
36)T BROMODICHLOROMETH	0.651	0.784	0.725	0.551	0.590	0.611	0.418	0.619	19.27
37)T 2,2,4-TRIMETHYLPE	1.879	2.318	2.017	1.578	1.500	1.361	0.789	1.634	30.43
38)m 1,4-DIOXANE	0.203	0.233	0.225	0.140	0.174	0.221	0.160	0.194	18.64
39)m HEPTANE	0.715	0.905	0.781	0.555	0.568	0.557	0.357	0.634	28.42
40)m METHYL METHACRYLA	0.251	0.357	0.334	0.200	0.299	0.350	0.253	0.292	20.33
41)T METHYL ISOBUTYL K	0.448	0.653	0.704	0.506	0.627	0.702	0.446	0.584	19.60
42)T cis-1,3-DICHLOROP	0.475	0.597	0.593	0.454	0.526	0.570	0.402	0.517	14.58
43)T TOLUENE	0.603	0.764	0.737	0.534	0.642	0.712	0.495	0.641	16.04
44)T trans-1,3-DICHLOR	0.305	0.413	0.389	0.344	0.442	0.517	0.382	0.399	17.19
45)T 1,1,2-TRICHLOROET	0.270	0.355	0.350	0.264	0.315	0.358	0.260	0.310	14.58

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1139-ICC1139
Lab FileID: 2W27037A.D

46) I	CHLOROBENZENE-D5	----------ISTD----------								
47)T	TETRACHLOROETHYLE	0.706	0.918	0.882	0.592	0.647	0.693	0.490	0.704	21.65
48)T	DIBROMOCHLOROMETH	0.971	1.283	1.269	0.923	1.057	1.144	0.822	1.067	16.40
49)T	1,2-DIBROMOETHANE	0.779	1.073	1.049	0.745	0.900	1.002	0.708	0.894	16.98
50)T	CHLOROBENZENE	1.145	1.527	1.413	1.020	1.176	1.235	0.809	1.189	20.07
51)T	ETHYLBENZENE	2.322	3.155	3.069	1.874	2.123	2.033	1.190	2.252	30.46
52)T	m,p-XYLENE	0.786	1.122	1.077	0.663	0.794	0.836	0.540	0.831	25.13
53)T	o-XYLENE	0.836	1.139	1.178	0.672	0.816	0.875	0.598	0.873	24.92
54)T	STYRENE	0.700	1.084	1.129	0.850	1.133	1.240	0.831	0.995	20.07
55)T	BROMOFORM	0.597	0.805	0.829	0.653	0.796	0.925	0.676	0.754	15.33
56)S	4-BROMOFLUOROBENZ	0.970	1.009	1.024	1.126	1.186	1.202	1.207	1.104	9.12
57)T	1,1,2,2-TETRACHLO	0.953	1.476	1.380	0.909	1.056	1.083	0.678	1.076	25.56
58)T	2-CHLOROTOLUENE	0.485	0.683	0.644	0.444	0.531	0.599	0.442	0.547	17.70
59)T	4-ETHYLTOLUENE	1.363	2.094	2.215	1.385	1.755	1.664	1.006	1.640	26.02
60)T	1,3,5-TRIMETHYLBE	1.268	2.063	2.085	1.270	1.557	1.514	0.897	1.522	28.51
61)T	1,2,4-TRIMETHYLBE	1.179	1.690	1.784	1.077	1.357	1.342	0.819	1.321	25.56
62)T	m-DICHLOROBENZENE	0.492	0.755	0.732	0.558	0.697	0.787	0.563	0.655	17.60
63)T	p-DICHLOROBENZENE	0.501	0.705	0.681	0.511	0.650	0.748	0.532	0.618	16.42
64)T	o-DICHLOROBENZENE	0.557	0.836	0.774	0.553	0.675	0.763	0.536	0.671	18.43
65)T	HEXACHLOROBUTADIE	0.294	0.460	0.532	0.358	0.440	0.486	0.364	0.419	19.89
66)	1,2,4-TRICHLOROBE	0.197	0.247	0.244	0.123	0.184	0.270	0.231	0.214	23.34

(#) = Out of Range

M2W1139.M Mon May 03 15:43:12 2010 MS2W

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICV1138
Lab FileID: 2W27050.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W27050.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:39:16 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	118	0.00
2		FREON 115	0.000	0.000	0.0	0#	-5.31#
3		DICHLORODIFLUOROMETHANE	4.603	4.494	2.4	137	0.00
4		FREON 152A	1.521	1.426	6.2	132	0.00
5		CHLORODIFLUOROMETHANE	0.525	0.519	1.1	132	0.00
6		PROPYLENE	1.989	1.859	6.5	145	0.00
7		PROPANE	0.000	0.000	0.0	0#	-8.09#
8		FREON 114	4.973	4.565	8.2	125	0.00
9		CHLOROMETHANE	0.759	0.694	8.6	129	0.00
10		VINYL CHLORIDE	2.290	2.250	1.7	134	0.00
11		1,3-BUTADIENE	1.791	1.674	6.5	128	0.00
12		n-BUTANE	3.622	3.278	9.5	132	0.00
13		BROMOMETHANE	1.716	1.758	-2.4	135	0.00
14		CHLOROETHANE	1.177	1.147	2.5	132	0.00
15		FREON 123	3.705	3.412	7.9	124	0.00
16		FREON 123A	1.882	1.786	5.1	129	0.00
17		TRICHLOROFLUOROMETHANE	3.897	3.744	3.9	127	0.00
18		ISOPROPYL ALCOHOL	2.841	2.734	3.8	125	0.00
19		ACETONE	0.781	0.689	11.8	125	0.00
20		PENTANE	2.044	1.749	14.4	120	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	-6.83#
22		IODOMETHANE	3.212	3.256	-1.4	127	0.00
23		1,1-DICHLOROETHYLENE	1.436	1.310	8.8	123	0.00
24		CARBON DISULFIDE	4.634	4.391	5.2	123	0.00
25		ETHANOL	0.789	0.770	2.4	126	0.00
26		BROMOETHENE	1.523	1.583	-3.9	134	0.00
27		METHYLENE CHLORIDE	1.393	1.271	8.8	123	0.00
28		3-CHLOROPROPENE	0.771	0.744	3.5	122	0.01
29		FREON 113	1.929	1.917	0.6	123	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.688	1.563	7.4	121	0.00
31		TERTIARY BUTYL ALCOHOL	2.870	3.112	-8.4	123	0.00
32		METHYL TERTIARY BUTYL ETHER	4.203	3.746	10.9	116	0.00
33		TETRAHYDROFURAN	0.777	0.768	1.2	115	0.00
34		HEXANE	2.677	2.278	14.9	112	0.00
35		VINYL ACETATE	0.309	0.324	-4.9	117	0.00
36		1,1-DICHLOROETHANE	3.259	2.823	13.4	114	0.00
37		METHYL ETHYL KETONE	0.717	0.736	-2.6	116	0.00
38		cis-1,2-DICHLOROETHYLENE	1.690	1.574	6.9	118	0.00
39		ETHYL ACETATE	0.454	0.432	4.8	114	0.00
40		CHLOROFORM	3.243	3.033	6.5	118	0.00
41		2,4-DIMETHYLPENTANE	3.502	3.023	13.7	112	0.00
42		1,1,1-TRICHLOROETHANE	3.455	3.119	9.7	118	0.00

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1138-ICV1138
Lab FileID: 2W27050.D

43		CARBON TETRACHLORIDE	3.353	3.006	10.3	117	0.00
44		1,2-DICHLOROETHANE	2.134	1.968	7.8	117	0.00
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	118	0.00
46		BENZENE	1.043	0.942	9.7	113	0.00
47		CYCLOHEXANE	0.573	0.511	10.8	114	0.00
48		2,3-DIMETHYLPENTANE	0.255	0.224	12.2	113	0.00
49		TRICHLOROETHYLENE	0.403	0.359	10.9	115	0.00
50		1,2-DICHLOROPROPANE	0.398	0.364	8.5	110	0.00
51		BROMODICHLOROMETHANE	0.645	0.581	9.9	113	0.00
52		2,2,4-TRIMETHYLPENTANE	1.675	1.372	18.1	109	0.00
53		1,4-DIOXANE	0.198	0.182	8.1	116	0.00
54		METHYL METHACRYLATE	0.294	0.281	4.4	110	0.00
55		HEPTANE	0.638	0.525	17.7	108	0.00
56	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	-12.00#
57		METHYL ISOBUTYL KETONE	0.596	0.572	4.0	109	0.00
58		cis-1,3-DICHLOROPROPENE	0.516	0.500	3.1	112	0.00
59		TOLUENE	0.630	0.618	1.9	114	0.00
60		trans-1,3-DICHLOROPROPENE	0.406	0.431	-6.2	113	0.00
61		1,1,2-TRICHLOROETHANE	0.315	0.305	3.2	113	0.00
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	118	0.00
63		2-HEXANONE	0.521	0.571	-9.6	111	0.00
64		TETRACHLOROETHYLENE	0.705	0.637	9.6	116	0.00
65		DIBROMOCHLOROMETHANE	1.059	1.047	1.1	116	0.00
66		1,2-DIBROMOETHANE	0.887	0.880	0.8	115	0.00
67		OCTANE	1.531	1.239	19.1	105	0.00
68		1,1,1,2-TETRACHLOROETHANE	0.792	0.753	4.9	114	0.00
69		CHLOROBENZENE	1.235	1.145	7.3	112	0.00
70		ETHYLBENZENE	2.242	1.991	11.2	112	0.00
71		m,p-XYLENE	0.857	0.764	10.9	113	0.00
72		o-XYLENE	0.885	0.782	11.6	114	0.00
73		STYRENE	0.957	1.051	-9.8	112	0.00
74		NONANE	1.234	1.099	10.9	106	0.00
75		BROMOFORM	0.724	0.790	-9.1	117	0.00
76	S	4-BROMOFLUOROBENZENE	1.039	1.156	-11.3	117	0.00
77		1,1,2,2-TETRACHLOROETHANE	1.095	0.999	8.8	111	0.00
78		ISOPROPYLBENZENE	2.321	2.003	13.7	111	0.00
79		2-CHLOROTOLUENE	0.544	0.517	5.0	116	0.00
80		n-PROPYLBENZENE	0.530	0.534	-0.8	114	0.00
81		4-ETHYLTOLUENE	1.624	1.624	0.0	111	0.00
82		1,3,5-TRIMETHYLBENZENE	1.546	1.477	4.5	112	0.00
83		TERT-BUTYLBENZENE	0.401	0.409	-2.0	115	0.00
84		1,2,4-TRIMETHYLBENZENE	1.328	1.265	4.7	111	0.00
85		m-DICHLOROBENZENE	0.652	0.683	-4.8	117	0.00
86		BENZYL CHLORIDE	0.838	0.822	1.9	112	0.00
87		p-DICHLOROBENZENE	0.614	0.635	-3.4	116	0.00
88		SEC-BUTYLBENZENE	0.435	0.440	-1.1	113	0.00
89		p-ISOPROPYLTOLUENE	0.422	0.461	-9.2	115	0.00
90		o-DICHLOROBENZENE	0.685	0.683	0.3	120	0.00
91		n-BUTYLBENZENE	0.321	0.349	-8.7	117	0.00
92		HEXACHLOROBUTADIENE	0.408	0.450	-10.3	121	0.00
93		1,2,4-TRICHLOROBENZENE	0.226	0.220	2.7	130	0.00
94		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	118	0.00
95		NAPHTHALENE	0.000	0.000	0.0	0#	-21.45#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2W27037.D M2W1138.M Mon May 03 12:00:21 2010 MS2W

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1139-ICV1139
Lab FileID: 2W27050A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27050A.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	117	0.00
2	m	DICHLORODIFLUOROMETHANE	4.586	4.494	2.0	137	0.00
3	m	FREON 114	5.020	4.577	8.8	125	0.00
4	m	CHLOROMETHANE	0.724	0.673	7.0	130	-0.01
5	m	VINYL CHLORIDE	2.225	2.213	0.5	134	0.00
6	m	1,3-BUTADIENE	1.781	1.683	5.5	128	0.00
7	m	BROMOMETHANE	1.728	1.760	-1.9	134	0.00
8	m	CHLOROETHANE	1.157	1.155	0.2	132	0.00
9	m	TRICHLOROFLUOROMETHANE	3.931	3.773	4.0	127	0.00
10	m	ISOPROPYL ALCOHOL	2.750	2.745	0.2	125	-0.09
11	T	ACETONE	0.790	0.699	11.5	126	-0.05
12	m	1,1-DICHLOROETHYLENE	1.430	1.322	7.6	124	0.00
13	T	CARBON DISULFIDE	4.636	4.401	5.1	123	0.00
14	m	ETHANOL	0.748	0.781	-4.4	126	-0.05
15	T	BROMOETHENE	1.525	1.593	-4.5	134	0.00
16	m	METHYLENE CHLORIDE	1.405	1.283	8.7	124	0.00
17	T	3-CHLOROPROPENE	0.779	0.751	3.6	122	0.00
18	m	FREON 113	2.046	1.932	5.6	123	0.00
19	T	TRANS-1,2-DICHLOROETHYLENE	1.632	1.550	5.0	120	0.00
20	T	TERTIARY BUTYL ALCOHOL	2.948	3.021	-2.5	119	-0.13
21	m	METHYL TERTIARY BUTYL ETHER	4.127	3.764	8.8	116	-0.05
22	m	TETRAHYDROFURAN	1.918	1.773	7.6	110	-0.09
23	T	HEXANE	2.707	2.288	15.5	112	0.00
24	m	1,1-DICHLOROETHANE	3.254	2.848	12.5	114	0.00
25	T	METHYL ETHYL KETONE	0.744	0.743	0.1	117	-0.05
26	m	cis-1,2-DICHLOROETHYLENE	1.658	1.585	4.4	118	0.00
27	T	CHLOROFORM	3.260	3.053	6.3	118	0.00
28	m	1,1,1-TRICHLOROETHANE	3.434	3.141	8.5	118	0.00
29	m	CARBON TETRACHLORIDE	3.321	3.025	8.9	117	0.00
30	m	1,2-DICHLOROETHANE	2.076	1.934	6.8	118	0.00
31	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	118	0.00
32	m	BENZENE	1.026	0.939	8.5	114	0.00
33	m	CYCLOHEXANE	0.565	0.512	9.4	115	0.00
34	m	TRICHLOROETHYLENE	0.392	0.359	8.4	116	0.00
35	T	1,2-DICHLOROPROPANE	0.400	0.365	8.8	112	0.00
36	T	BROMODICHLOROMETHANE	0.619	0.561	9.4	113	0.00
37	T	2,2,4-TRIMETHYLPENTANE	1.634	1.379	15.6	109	0.00
38	m	1,4-DIOXANE	0.194	0.170	12.4	116	-0.09
39	m	HEPTANE	0.634	0.522	17.7	109	0.00
40	m	METHYL METHACRYLATE	0.292	0.277	5.1	110	-0.02
41	T	METHYL ISOBUTYL KETONE	0.584	0.569	2.6	107	-0.07

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1139-ICV1139
Lab FileID: 2W27050A.D

42	T	cis-1,3-DICHLOROPROPENE	0.517	0.496	4.1	112	0.00
43	T	TOLUENE	0.641	0.617	3.7	114	0.00
44	T	trans-1,3-DICHLOROPROPENE	0.399	0.424	-6.3	114	0.00
45	T	1,1,2-TRICHLOROETHANE	0.310	0.303	2.3	114	0.00
46	I	CHLOROBENZENE-D5	1.000	1.000	0.0	118	0.00
47	T	TETRACHLOROETHYLENE	0.704	0.636	9.7	116	0.00
48	T	DIBROMOCHLOROMETHANE	1.067	1.059	0.7	119	0.00
49	T	1,2-DIBROMOETHANE	0.894	0.875	2.1	115	0.00
50	T	CHLOROBENZENE	1.189	1.112	6.5	112	0.00
51	T	ETHYLBENZENE	2.252	2.005	11.0	112	0.00
52	T	m,p-XYLENE	0.831	0.760	8.5	113	0.00
53	T	o-XYLENE	0.873	0.790	9.5	114	0.00
54	T	STYRENE	0.995	1.071	-7.6	112	0.00
55	T	BROMOFORM	0.754	0.785	-4.1	117	0.00
56	S	4-BROMOFLUOROBENZENE	1.104	1.170	-6.0	117	0.00
57	T	1,1,2,2-TETRACHLOROETHANE	1.076	0.994	7.6	111	0.00
58	T	2-CHLOROTOLUENE	0.547	0.521	4.8	116	0.00
59	T	4-ETHYLTOLUENE	1.640	1.654	-0.9	111	0.00
60	T	1,3,5-TRIMETHYLBENZENE	1.522	1.472	3.3	112	0.00
61	T	1,2,4-TRIMETHYLBENZENE	1.321	1.273	3.6	111	0.00
62	T	m-DICHLOROBENZENE	0.655	0.690	-5.3	117	0.00
63	T	p-DICHLOROBENZENE	0.618	0.640	-3.6	116	0.00
64	T	o-DICHLOROBENZENE	0.671	0.687	-2.4	120	0.00
65	T	HEXACHLOROBUTADIENE	0.419	0.454	-8.4	122	0.00
66		1,2,4-TRICHLOROBENZENE	0.214	0.204	4.7	131	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2W27037A.D M2W1139.M Mon May 03 15:42:47 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1140-CC1138
Lab FileID: 2W27058.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W27058.D Vial: 2
Acq On : 3 May 2010 9:28 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	121	0.00
2		FREON 115	0.000	0.000	0.0	0#	-5.31#
3		DICHLORODIFLUOROMETHANE	4.603	5.018	-9.0	157	0.00
4		FREON 152A	1.521	1.656	-8.9	157	0.00
5		CHLORODIFLUOROMETHANE	0.525	0.607	-15.6	159	0.00
6		PROPYLENE	1.989	2.158	-8.5	173	0.00
7		PROPANE	0.000	0.000	0.0	0#	-8.09#
8		FREON 114	4.973	4.836	2.8	137	0.00
9		CHLOROMETHANE	0.759	0.796	-4.9	153	0.00
10		VINYL CHLORIDE	2.290	2.346	-2.4	144	0.00
11		1,3-BUTADIENE	1.791	1.773	1.0	139	0.00
12		n-BUTANE	3.622	3.500	3.4	146	0.00
13		BROMOMETHANE	1.716	1.738	-1.3	137	0.00
14		CHLOROETHANE	1.177	1.142	3.0	136	0.00
15		FREON 123	3.705	3.434	7.3	128	0.00
16		FREON 123A	1.882	1.759	6.5	131	0.00
17		TRICHLOROFLUOROMETHANE	3.897	3.892	0.1	136	0.00
18		ISOPROPYL ALCOHOL	2.841	2.865	-0.8	135	-0.02
19		ACETONE	0.781	0.690	11.7	129	0.00
20		PENTANE	2.044	1.857	9.1	131	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	-6.83#
22		IODOMETHANE	3.212	3.116	3.0	125	0.00
23		1,1-DICHLOROETHYLENE	1.436	1.301	9.4	126	0.00
24		CARBON DISULFIDE	4.634	4.629	0.1	133	0.00
25		ETHANOL	0.789	0.815	-3.3	138	0.00
26		BROMOETHENE	1.523	1.534	-0.7	134	0.00
27		METHYLENE CHLORIDE	1.393	1.304	6.4	130	0.00
28		3-CHLOROPROPENE	0.771	0.761	1.3	129	0.00
29		FREON 113	1.929	1.887	2.2	125	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.688	1.602	5.1	128	0.00
31		TERTIARY BUTYL ALCOHOL	2.870	3.265	-13.8	133	-0.02
32		METHYL TERTIARY BUTYL ETHER	4.203	3.925	6.6	125	0.00
33		TETRAHYDROFURAN	0.777	0.801	-3.1	123	-0.01
34		HEXANE	2.677	2.456	8.3	124	0.00
35		VINYL ACETATE	0.327	0.332	-1.5	123	0.00
36		1,1-DICHLOROETHANE	3.259	3.004	7.8	125	0.00
37		METHYL ETHYL KETONE	0.717	0.786	-9.6	128	0.00
38		cis-1,2-DICHLOROETHYLENE	1.690	1.645	2.7	127	0.00
39		ETHYL ACETATE	0.454	0.455	-0.2	124	0.00
40		CHLOROFORM	3.243	3.245	-0.1	130	0.00
41		2,4-DIMETHYLPENTANE	3.502	3.295	5.9	126	0.00
42		1,1,1-TRICHLOROETHANE	3.455	3.339	3.4	130	0.00

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1140-CC1138
Lab FileID: 2W27058.D

43		CARBON TETRACHLORIDE	3.353	3.187	5.0	128	0.00
44		1,2-DICHLOROETHANE	2.134	2.158	-1.1	132	0.00
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	126	0.00
46		BENZENE	1.043	0.958	8.1	123	0.00
47		CYCLOHEXANE	0.573	0.529	7.7	125	0.00
48		2,3-DIMETHYLPENTANE	0.255	0.234	8.2	125	0.00
49		TRICHLOROETHYLENE	0.403	0.364	9.7	124	0.00
50		1,2-DICHLOROPROPANE	0.398	0.373	6.3	120	0.00
51		BROMODICHLOROMETHANE	0.645	0.601	6.8	125	0.00
52		2,2,4-TRIMETHYLPENTANE	1.675	1.405	16.1	119	0.00
53		1,4-DIOXANE	0.198	0.184	7.1	125	0.00
54		METHYL METHACRYLATE	0.294	0.282	4.1	117	0.00
55		HEPTANE	0.638	0.554	13.2	122	0.00
56	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	-12.00#
57		METHYL ISOBUTYL KETONE	0.596	0.617	-3.5	125	0.00
58		cis-1,3-DICHLOROPROPENE	0.516	0.509	1.4	122	0.00
59		TOLUENE	0.630	0.629	0.2	123	0.00
60		trans-1,3-DICHLOROPROPENE	0.406	0.442	-8.9	123	0.00
61		1,1,2-TRICHLOROETHANE	0.315	0.315	0.0	124	0.00
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	131	0.00
63		2-HEXANONE	0.521	0.587	-12.7	126	0.00
64		TETRACHLOROETHYLENE	0.705	0.612	13.2	124	0.00
65		DIBROMOCHLOROMETHANE	1.059	1.027	3.0	127	0.00
66		1,2-DIBROMOETHANE	0.887	0.865	2.5	125	0.00
67		OCTANE	1.531	1.270	17.0	120	0.00
68		1,1,1,2-TETRACHLOROETHANE	0.792	0.734	7.3	124	0.00
69		CHLOROBENZENE	1.235	1.096	11.3	119	0.00
70		ETHYLBENZENE	2.242	1.923	14.2	120	0.00
71		m,p-XYLENE	0.857	0.738	13.9	121	0.00
72		o-XYLENE	0.885	0.766	13.4	124	0.00
73		STYRENE	0.957	1.009	-5.4	119	0.00
74		NONANE	1.234	1.131	8.3	121	0.00
75		BROMOFORM	0.724	0.768	-6.1	126	0.00
76	S	4-BROMOFLUOROBENZENE	1.039	1.138	-9.5	127	0.00
77		1,1,2,2-TETRACHLOROETHANE	1.095	0.980	10.5	121	0.00
78		ISOPROPYLBENZENE	2.321	1.954	15.8	120	0.00
79		2-CHLOROTOLUENE	0.544	0.503	7.5	125	0.00
80		n-PROPYLBENZENE	0.530	0.522	1.5	123	0.00
81		4-ETHYLTOLUENE	1.624	1.560	3.9	119	0.00
82		1,3,5-TRIMETHYLBENZENE	1.546	1.431	7.4	120	0.00
83		TERT-BUTYLBENZENE	0.401	0.396	1.2	123	0.00
84		1,2,4-TRIMETHYLBENZENE	1.328	1.231	7.3	120	0.00
85		m-DICHLOROBENZENE	0.652	0.649	0.5	123	0.00
86		BENZYL CHLORIDE	0.838	0.779	7.0	118	0.00
87		p-DICHLOROBENZENE	0.614	0.596	2.9	120	0.00
88		SEC-BUTYLBENZENE	0.435	0.425	2.3	121	0.00
89		p-ISOPROPYLTOLUENE	0.422	0.439	-4.0	122	0.00
90		o-DICHLOROBENZENE	0.685	0.646	5.7	126	0.00
91		n-BUTYLBENZENE	0.321	0.332	-3.4	123	0.00
92		HEXACHLOROBUTADIENE	0.408	0.432	-5.9	129	0.00
93		1,2,4-TRICHLOROBENZENE	0.226	0.185	18.1	121	0.00
94		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	131	0.00
95		NAPHTHALENE	0.000	0.000	0.0	0#	-21.45#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2W27037.D M2W1138.M Tue May 04 09:14:24 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1141-CC1138
Lab FileID: 2W27086.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W27086.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1141,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	114	0.00
2		FREON 115	0.000	0.000	0.0	0#	-5.31#
3		DICHLORODIFLUOROMETHANE	4.603	4.611	-0.2	136	0.00
4		FREON 152A	1.521	1.261	17.1	112	0.00
5		CHLORODIFLUOROMETHANE	0.525	0.562	-7.0	137	0.00
6		PROPYLENE	1.989	1.526	23.3	115	0.00
7		PROPANE	0.000	0.000	0.0	0#	-8.09#
8		FREON 114	4.973	4.439	10.7	118	0.00
9		CHLOROMETHANE	0.759	0.573	24.5	103	0.00
10		VINYL CHLORIDE	2.290	1.971	13.9	113	0.00
11		1,3-BUTADIENE	1.791	1.452	18.9	107	0.00
12		n-BUTANE	3.622	2.906	19.8	113	0.00
13		BROMOMETHANE	1.716	1.651	3.8	122	0.01
14		CHLOROETHANE	1.177	1.037	11.9	116	0.00
15		FREON 123	3.705	3.365	9.2	118	0.00
16		FREON 123A	1.882	1.792	4.8	125	0.00
17		TRICHLOROFLUOROMETHANE	3.897	4.175	-7.1	136	0.01
18		ISOPROPYL ALCOHOL	2.841	2.749	3.2	121	0.00
19		ACETONE	0.781	0.645	17.4	113	0.00
20		PENTANE	2.044	1.668	18.4	110	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	-6.83#
22		IODOMETHANE	3.212	3.191	0.7	120	0.00
23		1,1-DICHLOROETHYLENE	1.436	1.271	11.5	116	0.00
24		CARBON DISULFIDE	4.634	4.201	9.3	113	0.00
25		ETHANOL	0.789	0.704	10.8	111	0.01
26		BROMOETHENE	1.523	1.518	0.3	124	0.01
27		METHYLENE CHLORIDE	1.393	1.187	14.8	111	0.00
28		3-CHLOROPROPENE	0.771	0.690	10.5	110	0.00
29		FREON 113	1.929	1.886	2.2	117	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.688	1.484	12.1	111	0.00
31		TERTIARY BUTYL ALCOHOL	2.870	3.289	-14.6	126	0.00
32		METHYL TERTIARY BUTYL ETHER	4.203	3.894	7.4	116	0.00
33		TETRAHYDROFURAN	0.777	0.730	6.0	106	0.00
34		HEXANE	2.677	2.172	18.9	103	0.00
35		VINYL ACETATE	0.327	0.303	7.3	105	0.00
36		1,1-DICHLOROETHANE	3.259	2.780	14.7	108	0.00
37		METHYL ETHYL KETONE	0.717	0.694	3.2	106	0.00
38		cis-1,2-DICHLOROETHYLENE	1.690	1.487	12.0	107	0.00
39		ETHYL ACETATE	0.454	0.409	9.9	105	0.00
40		CHLOROFORM	3.243	3.104	4.3	117	0.00
41		2,4-DIMETHYLPENTANE	3.502	2.963	15.4	106	0.00
42		1,1,1-TRICHLOROETHANE	3.455	3.341	3.3	122	0.00

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1141-CC1138
Lab FileID: 2W27086.D

43		CARBON TETRACHLORIDE	3.353	3.265	2.6	123	0.00
44		1,2-DICHLOROETHANE	2.134	2.138	-0.2	123	0.00
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	113	0.00
46		BENZENE	1.043	0.908	12.9	105	0.00
47		CYCLOHEXANE	0.573	0.512	10.6	109	0.00
48		2,3-DIMETHYLPENTANE	0.255	0.213	16.5	103	0.00
49		TRICHLOROETHYLENE	0.403	0.352	12.7	108	0.00
50		1,2-DICHLOROPROPANE	0.398	0.351	11.8	102	0.00
51		BROMODICHLOROMETHANE	0.645	0.610	5.4	114	0.00
52		2,2,4-TRIMETHYLPENTANE	1.675	1.356	19.0	103	0.00
53		1,4-DIOXANE	0.198	0.175	11.6	107	0.00
54		METHYL METHACRYLATE	0.294	0.278	5.4	104	0.00
55		HEPTANE	0.638	0.529	17.1	105	0.00
56	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	-12.00#
57		METHYL ISOBUTYL KETONE	0.596	0.610	-2.3	111	0.00
58		cis-1,3-DICHLOROPROPENE	0.516	0.490	5.0	105	0.00
59		TOLUENE	0.630	0.592	6.0	104	0.00
60		trans-1,3-DICHLOROPROPENE	0.406	0.430	-5.9	108	0.00
61		1,1,2-TRICHLOROETHANE	0.315	0.297	5.7	105	0.00
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	121	0.00
63		2-HEXANONE	0.521	0.528	-1.3	105	0.00
64		TETRACHLOROETHYLENE	0.705	0.570	19.1	107	0.00
65		DIBROMOCHLOROMETHANE	1.059	0.978	7.6	111	0.00
66		1,2-DIBROMOETHANE	0.887	0.791	10.8	106	0.00
67		OCTANE	1.531	1.205	21.3	105	0.00
68		1,1,1,2-TETRACHLOROETHANE	0.792	0.709	10.5	110	0.00
69		CHLOROBENZENE	1.235	1.020	17.4	102	0.00
70		ETHYLBENZENE	2.242	1.858	17.1	107	0.00
71		m,p-XYLENE	0.857	0.678	20.9	103	0.00
72		o-XYLENE	0.885	0.687	22.4	103	0.00
73		STYRENE	0.957	0.909	5.0	99	0.00
74		NONANE	1.234	1.070	13.3	105	0.00
75		BROMOFORM	0.724	0.712	1.7	108	0.00
76	S	4-BROMOFLUOROBENZENE	1.039	1.188	-14.3	123	0.00
77		1,1,2,2-TETRACHLOROETHANE	1.095	0.913	16.6	104	0.00
78		ISOPROPYLBENZENE	2.321	1.851	20.2	105	0.00
79		2-CHLOROTOLUENE	0.544	0.446	18.0	102	0.00
80		n-PROPYLBENZENE	0.530	0.476	10.2	104	0.00
81		4-ETHYLTOLUENE	1.624	1.467	9.7	103	0.00
82		1,3,5-TRIMETHYLBENZENE	1.546	1.379	10.8	107	0.00
83		TERT-BUTYLBENZENE	0.401	0.359	10.5	103	0.00
84		1,2,4-TRIMETHYLBENZENE	1.328	1.185	10.8	106	0.00
85		m-DICHLOROBENZENE	0.652	0.574	12.0	101	0.00
86		BENZYL CHLORIDE	0.838	0.729	13.0	102	0.00
87		p-DICHLOROBENZENE	0.614	0.518	15.6	97	0.00
88		SEC-BUTYLBENZENE	0.435	0.391	10.1	103	0.00
89		p-ISOPROPYLTOLUENE	0.422	0.401	5.0	102	0.00
90		o-DICHLOROBENZENE	0.685	0.575	16.1	104	0.00
91		n-BUTYLBENZENE	0.321	0.297	7.5	101	0.00
92		HEXACHLOROBUTADIENE	0.408	0.413	-1.2	114	0.00
93		1,2,4-TRICHLOROBENZENE	0.226	0.190	15.9	115	0.00
94		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	121	0.00
95		NAPHTHALENE	0.000	0.000	0.0	0#	-21.45#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2W27037.D M2W1138.M Tue May 04 12:24:31 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1142-CC1139
Lab FileID: 2W27086A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27086A.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00
2	m	DICHLORODIFLUOROMETHANE	4.586	4.599	-0.3	135	0.00
3	m	FREON 114	5.020	4.450	11.4	117	0.00
4	m	CHLOROMETHANE	0.724	0.557	23.1	103	0.00
5	m	VINYL CHLORIDE	2.225	1.939	12.9	113	0.00
6	m	1,3-BUTADIENE	1.781	1.464	17.8	107	0.00
7	m	BROMOMETHANE	1.728	1.656	4.2	121	0.00
8	m	CHLOROETHANE	1.157	1.050	9.2	115	0.01
9	m	TRICHLOROFLUOROMETHANE	3.931	4.228	-7.6	136	0.00
10	m	ISOPROPYL ALCOHOL	2.750	2.754	-0.1	121	-0.09
11	T	ACETONE	0.790	0.654	17.2	113	-0.05
12	m	1,1-DICHLOROETHYLENE	1.430	1.284	10.2	115	0.00
13	T	CARBON DISULFIDE	4.636	4.226	8.8	113	0.00
14	m	ETHANOL	0.748	0.715	4.4	111	-0.04
15	T	BROMOETHENE	1.525	1.532	-0.5	124	0.01
16	m	METHYLENE CHLORIDE	1.405	1.201	14.5	112	0.00
17	T	3-CHLOROPROPENE	0.779	0.700	10.1	110	0.00
18	m	FREON 113	2.046	1.908	6.7	117	0.00
19	T	TRANS-1,2-DICHLOROETHYLENE	1.632	1.488	8.8	111	0.00
20	T	TERTIARY BUTYL ALCOHOL	2.948	3.188	-8.1	121	-0.12
21	m	METHYL TERTIARY BUTYL ETHER	4.127	3.923	4.9	116	-0.05
22	m	TETRAHYDROFURAN	1.918	1.785	6.9	107	-0.08
23	T	HEXANE	2.707	2.200	18.7	103	0.00
24	m	1,1-DICHLOROETHANE	3.254	2.808	13.7	108	0.00
25	T	METHYL ETHYL KETONE	0.744	0.698	6.2	106	-0.05
26	m	cis-1,2-DICHLOROETHYLENE	1.658	1.504	9.3	107	0.00
27	T	CHLOROFORM	3.260	3.140	3.7	117	0.00
28	m	1,1,1-TRICHLOROETHANE	3.434	3.368	1.9	122	0.00
29	m	CARBON TETRACHLORIDE	3.321	3.308	0.4	123	0.00
30	m	1,2-DICHLOROETHANE	2.076	2.102	-1.3	123	0.00
31	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	113	0.00
32	m	BENZENE	1.026	0.905	11.8	105	0.00
33	m	CYCLOHEXANE	0.565	0.510	9.7	109	0.00
34	m	TRICHLOROETHYLENE	0.392	0.352	10.2	108	0.00
35	T	1,2-DICHLOROPROPANE	0.400	0.353	11.8	103	0.00
36	T	BROMODICHLOROMETHANE	0.619	0.590	4.7	113	0.00
37	T	2,2,4-TRIMETHYLPENTANE	1.634	1.364	16.5	103	0.00
38	m	1,4-DIOXANE	0.194	0.170	12.4	110	-0.09
39	m	HEPTANE	0.634	0.527	16.9	105	0.00
40	m	METHYL METHACRYLATE	0.292	0.270	7.5	102	-0.02
41	T	METHYL ISOBUTYL KETONE	0.584	0.618	-5.8	112	-0.06

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1142-CC1139
Lab FileID: 2W27086A.D

42	T	cis-1,3-DICHLOROPROPENE	0.517	0.489	5.4	105	0.00
43	T	TOLUENE	0.641	0.591	7.8	104	0.00
44	T	trans-1,3-DICHLOROPROPENE	0.399	0.421	-5.5	108	0.00
45	T	1,1,2-TRICHLOROETHANE	0.310	0.295	4.8	106	0.00
46	I	CHLOROBENZENE-D5	1.000	1.000	0.0	121	0.00
47	T	TETRACHLOROETHYLENE	0.704	0.568	19.3	106	0.00
48	T	DIBROMOCHLOROMETHANE	1.067	0.998	6.5	115	0.00
49	T	1,2-DIBROMOETHANE	0.894	0.783	12.4	105	0.00
50	T	CHLOROBENZENE	1.189	0.993	16.5	102	0.00
51	T	ETHYLBENZENE	2.252	1.874	16.8	107	0.00
52	T	m,p-XYLENE	0.831	0.675	18.8	103	0.00
53	T	o-XYLENE	0.873	0.691	20.8	103	0.00
54	T	STYRENE	0.995	0.917	7.8	98	0.00
55	T	BROMOFORM	0.754	0.712	5.6	108	0.00
56	S	4-BROMOFLUOROBENZENE	1.104	1.200	-8.7	123	0.00
57	T	1,1,2,2-TETRACHLOROETHANE	1.076	0.911	15.3	105	0.00
58	T	2-CHLOROTOLUENE	0.547	0.450	17.7	103	0.00
59	T	4-ETHYLTOLUENE	1.640	1.503	8.4	104	0.00
60	T	1,3,5-TRIMETHYLBENZENE	1.522	1.376	9.6	107	0.00
61	T	1,2,4-TRIMETHYLBENZENE	1.321	1.191	9.8	106	0.00
62	T	m-DICHLOROBENZENE	0.655	0.579	11.6	101	0.00
63	T	p-DICHLOROBENZENE	0.618	0.519	16.0	97	0.00
64	T	o-DICHLOROBENZENE	0.671	0.580	13.6	104	0.00
65	T	HEXACHLOROBUTADIENE	0.419	0.417	0.5	115	0.00
66		1,2,4-TRICHLOROBENZENE	0.214	0.171	20.1	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2W27037A.D M2W1139.M Wed May 05 10:39:09 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1142-ECC1139
Lab FileID: 2W27092A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27092A.D Vial: 2
Acq On : 4 May 2010 5:22 pm Operator: yunxiac
Sample : ecc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	125	0.00
2	m	DICHLORODIFLUOROMETHANE	4.586	4.293	6.4	140	0.00
3	m	FREON 114	5.020	4.345	13.4	127	0.00
4	m	CHLOROMETHANE	0.724	0.557	23.1	115	-0.01
5	m	VINYL CHLORIDE	2.225	1.926	13.4	125	0.00
6	m	1,3-BUTADIENE	1.781	1.538	13.6	125	0.00
7	m	BROMOMETHANE	1.728	1.700	1.6	138	0.00
8	m	CHLOROETHANE	1.157	1.083	6.4	132	0.00
9	m	TRICHLOROFLUOROMETHANE	3.931	4.196	-6.7	150	0.00
10	m	ISOPROPYL ALCOHOL	2.750	2.894	-5.2	141	-0.08
11	T	ACETONE	0.790	0.703	11.0	135	-0.05
12	m	1,1-DICHLOROETHYLENE	1.430	1.273	11.0	127	0.00
13	T	CARBON DISULFIDE	4.636	4.203	9.3	125	0.00
14	m	ETHANOL	0.748	0.762	-1.9	131	-0.04
15	T	BROMOETHENE	1.525	1.565	-2.6	141	0.00
16	m	METHYLENE CHLORIDE	1.405	1.198	14.7	124	0.00
17	T	3-CHLOROPROPENE	0.779	0.699	10.3	121	0.00
18	m	FREON 113	2.046	1.936	5.4	132	0.00
19	T	TRANS-1,2-DICHLOROETHYLENE	1.632	1.483	9.1	123	0.00
20	T	TERTIARY BUTYL ALCOHOL	2.948	3.220	-9.2	136	-0.12
21	m	METHYL TERTIARY BUTYL ETHER	4.127	3.859	6.5	127	-0.05
22	m	TETRAHYDROFURAN	1.918	1.811	5.6	120	-0.08
23	T	HEXANE	2.707	2.197	18.8	114	0.00
24	m	1,1-DICHLOROETHANE	3.254	2.805	13.8	120	0.00
25	T	METHYL ETHYL KETONE	0.744	0.704	5.4	118	-0.05
26	m	cis-1,2-DICHLOROETHYLENE	1.658	1.507	9.1	120	0.00
27	T	CHLOROFORM	3.260	3.112	4.5	129	0.00
28	m	1,1,1-TRICHLOROETHANE	3.434	3.325	3.2	133	0.00
29	m	CARBON TETRACHLORIDE	3.321	3.201	3.6	132	0.00
30	m	1,2-DICHLOROETHANE	2.076	2.155	-3.8	140	0.00
31	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	133	0.00
32	m	BENZENE	1.026	0.849	17.3	115	0.00
33	m	CYCLOHEXANE	0.565	0.482	14.7	121	0.00
34	m	TRICHLOROETHYLENE	0.392	0.331	15.6	119	0.00
35	T	1,2-DICHLOROPROPANE	0.400	0.329	17.8	113	0.00
36	T	BROMODICHLOROMETHANE	0.619	0.543	12.3	122	0.00
37	T	2,2,4-TRIMETHYLPENTANE	1.634	1.247	23.7	110	0.00
38	m	1,4-DIOXANE	0.194	0.161	17.0	122	-0.09
39	m	HEPTANE	0.634	0.494	22.1	115	0.00
40	m	METHYL METHACRYLATE	0.292	0.257	12.0	114	-0.02
41	T	METHYL ISOBUTYL KETONE	0.584	0.553	5.3	117	-0.06

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1142-ECC1139
Lab FileID: 2W27092A.D

42	T	cis-1,3-DICHLOROPROPENE	0.517	0.461	10.8	116	0.00
43	T	TOLUENE	0.641	0.550	14.2	113	0.00
44	T	trans-1,3-DICHLOROPROPENE	0.399	0.408	-2.3	122	0.00
45	T	1,1,2-TRICHLOROETHANE	0.310	0.265	14.5	111	0.00
46	I	CHLOROBENZENE-D5	1.000	1.000	0.0	135	0.00
47	T	TETRACHLOROETHYLENE	0.704	0.547	22.3	114	0.00
48	T	DIBROMOCHLOROMETHANE	1.067	0.938	12.1	120	0.00
49	T	1,2-DIBROMOETHANE	0.894	0.765	14.4	115	0.00
50	T	CHLOROBENZENE	1.189	0.961	19.2	110	0.00
51	T	ETHYLBENZENE	2.252	1.776	21.1	113	0.00
52	T	m,p-XYLENE	0.831	0.657	20.9	111	0.00
53	T	o-XYLENE	0.873	0.666	23.7	110	0.00
54	T	STYRENE	0.995	0.890	10.6	106	0.00
55	T	BROMOFORM	0.754	0.675	10.5	114	0.00
56	S	4-BROMOFLUOROBENZENE	1.104	1.181	-7.0	134	0.00
57	T	1,1,2,2-TETRACHLOROETHANE	1.076	0.832	22.7	106	0.00
58	T	2-CHLOROTOLUENE	0.547	0.437	20.1	111	0.00
59	T	4-ETHYLTOLUENE	1.640	1.418	13.5	109	0.00
60	T	1,3,5-TRIMETHYLBENZENE	1.522	1.283	15.7	111	0.00
61	T	1,2,4-TRIMETHYLBENZENE	1.321	1.109	16.0	110	0.00
62	T	m-DICHLOROBENZENE	0.655	0.568	13.3	110	0.00
63	T	p-DICHLOROBENZENE	0.618	0.530	14.2	110	0.00
64	T	o-DICHLOROBENZENE	0.671	0.556	17.1	111	0.00
65	T	HEXACHLOROBUTADIENE	0.419	0.398	5.0	122	0.00
66		1,2,4-TRICHLOROBENZENE	0.214	0.174	18.7	127	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2W27037A.D M2W1139.M Wed May 05 10:42:29 2010 MS2W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1143-CC1138
Lab FileID: 2W27111.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W27111.D Vial: 2
Acq On : 5 May 2010 12:40 pm Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00
2		FREON 115	0.000	0.000	0.0	166	0.00
3		DICHLORODIFLUOROMETHANE	4.603	5.012	-8.9	129	0.00
4		FREON 152A	1.521	1.286	15.5	101	0.00
5		CHLORODIFLUOROMETHANE	0.525	0.667	-27.0	143	0.00
6		PROPYLENE	1.989	1.559	21.6	103	0.00
7		PROPANE	0.000	0.000	0.0	102	0.02
8		FREON 114	4.973	4.873	2.0	113	0.00
9		CHLOROMETHANE	0.759	0.612	19.4	97	0.00
10		VINYL CHLORIDE	2.290	2.111	7.8	107	0.00
11		1,3-BUTADIENE	1.791	1.624	9.3	105	0.00
12		n-BUTANE	3.622	3.165	12.6	108	0.00
13		BROMOMETHANE	1.716	1.797	-4.7	117	0.00
14		CHLOROETHANE	1.177	1.143	2.9	112	0.00
15		FREON 123	3.705	3.695	0.3	114	0.00
16		FREON 123A	1.882	2.010	-6.8	124	0.00
17		TRICHLOROFLUOROMETHANE	3.897	4.784	-22.8	137	0.00
18		ISOPROPYL ALCOHOL	2.841	3.066	-7.9	119	0.00
19		ACETONE	0.781	0.731	6.4	113	0.00
20		PENTANE	2.044	1.964	3.9	114	0.00
21	H	TVHC as EQUIV PENTANE	0.000	43.835	0.0	0#	0.00
22		IODOMETHANE	3.212	3.305	-2.9	109	0.00
23		1,1-DICHLOROETHYLENE	1.436	1.295	9.8	104	0.00
24		CARBON DISULFIDE	4.634	4.321	6.8	102	0.00
25		ETHANOL	0.789	0.827	-4.8	115	0.00
26		BROMOETHENE	1.523	1.652	-8.5	119	0.00
27		METHYLENE CHLORIDE	1.393	1.221	12.3	100	0.00
28		3-CHLOROPROPENE	0.771	0.719	6.7	100	0.00
29		FREON 113	1.929	2.002	-3.8	109	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.688	1.518	10.1	100	0.00
31		TERTIARY BUTYL ALCOHOL	2.870	3.696	-28.8	124	0.00
32		METHYL TERTIARY BUTYL ETHER	4.203	4.448	-5.8	117	0.00
33		TETRAHYDROFURAN	0.777	0.771	0.8	98	0.00
34		HEXANE	2.677	2.387	10.8	100	0.00
35		VINYL ACETATE	0.327	0.328	-0.3	100	0.00
36		1,1-DICHLOROETHANE	3.259	3.113	4.5	107	0.00
37		METHYL ETHYL KETONE	0.717	0.739	-3.1	99	0.00
38		cis-1,2-DICHLOROETHYLENE	1.690	1.534	9.2	97	0.00
39		ETHYL ACETATE	0.454	0.460	-1.3	103	0.00
40		CHLOROFORM	3.243	3.559	-9.7	117	0.00
41		2,4-DIMETHYLPENTANE	3.502	3.172	9.4	100	0.00
42		1,1,1-TRICHLOROETHANE	3.455	3.907	-13.1	125	0.00

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1143-CC1138
Lab FileID: 2W27111.D

43		CARBON TETRACHLORIDE	3.353	3.818	-13.9	126	0.00
44		1,2-DICHLOROETHANE	2.134	2.745	-28.6	139	0.00
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00
46		BENZENE	1.043	0.947	9.2	96	0.00
47		CYCLOHEXANE	0.573	0.561	2.1	106	0.00
48		2,3-DIMETHYLPENTANE	0.255	0.227	11.0	97	0.00
49		TRICHLOROETHYLENE	0.403	0.382	5.2	104	0.00
50		1,2-DICHLOROPROPANE	0.398	0.375	5.8	96	0.00
51		BROMODICHLOROMETHANE	0.645	0.675	-4.7	111	0.00
52		2,2,4-TRIMETHYLPENTANE	1.675	1.466	12.5	98	0.00
53		1,4-DIOXANE	0.198	0.193	2.5	104	0.00
54		METHYL METHACRYLATE	0.294	0.304	-3.4	100	0.00
55		HEPTANE	0.638	0.600	6.0	105	0.00
56	H	TVHC as EQUIV HEPTANE	0.000	14.950	0.0	0#	0.00
57		METHYL ISOBUTYL KETONE	0.596	0.709	-19.0	114	0.00
58		cis-1,3-DICHLOROPROPENE	0.516	0.546	-5.8	104	0.00
59		TOLUENE	0.630	0.618	1.9	96	0.00
60		trans-1,3-DICHLOROPROPENE	0.406	0.501	-23.4	111	0.00
61		1,1,2-TRICHLOROETHANE	0.315	0.312	1.0	98	0.00
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	111	0.00
63		2-HEXANONE	0.521	0.522	-0.2	95	0.00
64		TETRACHLOROETHYLENE	0.705	0.592	16.0	102	0.00
65		DIBROMOCHLOROMETHANE	1.059	1.010	4.6	106	0.00
66		1,2-DIBROMOETHANE	0.887	0.802	9.6	98	0.00
67		OCTANE	1.531	1.300	15.1	104	0.00
68		1,1,1,2-TETRACHLOROETHANE	0.792	0.739	6.7	105	0.00
69		CHLOROBENZENE	1.235	1.023	17.2	94	0.00
70		ETHYLBENZENE	2.242	1.897	15.4	100	0.00
71		m,p-XYLENE	0.857	0.679	20.8	95	0.00
72		o-XYLENE	0.885	0.685	22.6	94	0.00
73		STYRENE	0.957	0.915	4.4	91	0.00
74		NONANE	1.234	1.155	6.4	104	0.00
75		BROMOFORM	0.724	0.716	1.1	100	0.00
76	S	4-BROMOFLUOROBENZENE	1.039	1.135	-9.2	108	0.00
77		1,1,2,2-TETRACHLOROETHANE	1.095	0.905	17.4	95	0.00
78		ISOPROPYLBENZENE	2.321	1.876	19.2	98	0.00
79		2-CHLOROTOLUENE	0.544	0.455	16.4	96	0.00
80		n-PROPYLBENZENE	0.530	0.475	10.4	95	0.00
81		4-ETHYLTOLUENE	1.624	1.517	6.6	98	0.00
82		1,3,5-TRIMETHYLBENZENE	1.546	1.388	10.2	99	0.00
83		TERT-BUTYLBENZENE	0.401	0.361	10.0	95	0.00
84		1,2,4-TRIMETHYLBENZENE	1.328	1.215	8.5	100	0.00
85		m-DICHLOROBENZENE	0.652	0.587	10.0	94	0.00
86		BENZYL CHLORIDE	0.838	0.807	3.7	104	0.00
87		p-DICHLOROBENZENE	0.614	0.538	12.4	92	0.00
88		SEC-BUTYLBENZENE	0.435	0.384	11.7	93	0.00
89		p-ISOPROPYLTOLUENE	0.422	0.396	6.2	93	0.00
90		o-DICHLOROBENZENE	0.685	0.571	16.6	95	0.00
91		n-BUTYLBENZENE	0.321	0.299	6.9	94	0.00
92		HEXACHLOROBUTADIENE	0.408	0.439	-7.6	111	0.00
93		1,2,4-TRICHLOROBENZENE	0.226	0.213	5.8	118	0.00
94		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	111	0.00
95		NAPHTHALENE	0.000	0.002	0.0	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2W27037.D M2W1138.M Wed May 05 14:45:12 2010 MS2W

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W644-ICC644
Lab FileID: 3W16118.D

Response Factor Report MS3W

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

Calibration Files
0.04=3W16126.D 0.1 =3W16125.D 0.2 =3W16121.D 0.5 =3W16124.D
5 =3W16123.D 10 =3W16118.D 20 =3W16122.D 40 =3W16129.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------	----------	ISTD	----------	----------					
2) FREON 115									0.000	-1.00
3) FREON 152A	1.061	0.977	0.790	0.825	0.871	0.836	0.858	0.905	0.891	9.98
4) CHLORODIFLUO	0.386	0.400	0.315	0.333	0.337	0.326	0.329	0.343	0.346	8.76
5) DICHLORODIFL	4.375	3.701	3.391	3.409	3.528	3.375	3.304	3.286	3.546	10.17
6) PROPYLENE		1.011	0.982	0.951	1.013	0.980	0.969	0.973	0.983	2.29
7) FREON 114	4.386	4.111	3.555	3.667	3.720	3.562	3.491	3.254	3.718	9.75
8) CHLOROMETHAN		1.383	1.122	1.105	1.113	1.097	1.122	1.187	1.161	8.78
9) VINYL CHLORI	1.543	1.420	1.272	1.260	1.326	1.275	1.314	1.376	1.348	7.11
10) 1,3-BUTADIEN	0.937	0.856	0.782	0.818	0.950	0.923	0.948	0.967	0.898	7.74
11) n-BUTANE		2.136	1.843	1.779	1.786	1.733	1.697	1.660	1.805	8.75
12) BROMOMETHANE	1.342	1.333	1.219	1.201	1.241	1.213	1.252	1.306	1.263	4.41
13) CHLOROETHANE	0.670	0.701	0.614	0.644	0.668	0.675	0.698	0.742	0.677	5.72
14) FREON 123	3.456	3.291	2.774	2.936	2.920	2.904	2.839	2.713	2.979	8.68
15) FREON 123A	2.032	1.961	1.678	1.739	1.742	1.716	1.693	1.674	1.780	7.73
16) TRICHLOROFLU	3.708	3.682	3.211	3.244	3.246	3.212	3.226	3.286	3.352	6.36
17) ISOPROPYL AL	2.050	2.023	1.731	1.754	1.733	1.890	1.918	2.143	1.905	8.28
18) ACETONE	0.780	0.618	0.464	0.513	0.490	0.513	0.550	0.582	0.564	17.86
19) PENTANE		1.549	1.233	1.085	1.112	1.114	1.128	1.102	1.189	13.96
20) TVHC as EQUI	5.892	6.235	4.865	4.858	5.336	5.280	5.413	5.303	5.398	8.71
21) IODOMETHANE	3.345	3.427	3.003	3.119	3.264	3.192	3.264	3.342	3.245	4.21
22) 1,1-DICHLORO	1.360	1.345	1.150	1.177	1.180	1.158	1.177	1.184	1.216	6.96
23) CARBON DISUL	4.223	3.897	3.502	3.453	3.544	3.421	3.463	3.573	3.634	7.74
24) ETHANOL			0.680	0.532	0.406	0.441	0.449	0.516	0.504	19.51
25) BROMOETHENE	1.388	1.262	1.126	1.170	1.231	1.222	1.246	1.275	1.240	6.25
26) METHYLENE CH			1.319	1.152	1.058	1.036	1.037	1.078	1.113	9.84
27) 3-CHLOROPROP	0.592	0.528	0.450	0.508	0.549	0.545	0.561	0.590	0.540	8.57
28) FREON 113	2.436	2.229	1.925	2.053	2.073	2.003	2.046	2.075	2.105	7.53
29) TRANS-1,2-DI	1.352	1.251	1.105	1.155	1.238	1.206	1.236	1.310	1.232	6.42
30) TERTIARY BUT	1.710	2.341	2.102	2.439	2.409	2.654	2.298	2.586	2.317	12.89
31) METHYL TERTI	2.936	3.166	2.583	2.885	3.085	3.162	3.179	3.282	3.035	7.42
32) TETRAHYDROFU		0.382	0.374	0.446	0.525	0.561	0.582	0.657	0.504	21.21
33) HEXANE	1.751	1.804	1.556	1.666	1.790	1.710	1.674	1.529	1.685	6.00
34) VINYL ACETAT		0.198	0.135	0.187	0.246	0.258	0.267	0.301	0.227	24.99
35) 1,1-DICHLORO	2.622	2.446	1.954	2.122	2.174	2.109	2.089	2.063	2.197	10.10
36) METHYL ETHYL		0.400	0.348	0.431	0.510	0.558	0.582	0.661	0.499	22.26
37) cis-1,2-DICH	1.156	1.144	1.075	1.134	1.279	1.244	1.255	1.307	1.199	6.88
38) DIISOPROPYL	2.931	3.226	2.573	2.908	3.098	3.166	3.111	3.000	3.001	6.85
39) ETHYL ACETAT		0.253	0.236	0.293	0.294	0.318	0.335	0.379	0.301	16.16
40) CHLOROFORM	2.622	2.596	2.212	2.345	2.507	2.455	2.519	2.656	2.489	6.01
41) 2,4-DIMETHYL	2.328	2.247	1.966	2.064	2.255	2.198	2.189	2.196	2.180	5.26
42) 1,1,1-TRICHL	2.714	2.644	2.387	2.491	2.650	2.604	2.645	2.763	2.612	4.63
43) CARBON TETRA	3.036	2.837	2.519	2.651	2.788	2.723	2.753	2.841	2.768	5.47
44) 1,2-DICHLORO	1.355	1.481	1.224	1.336	1.400	1.407	1.445	1.587	1.404	7.63
45) I 1,4-DIFLUOROBENZENE	----------	----------	ISTD	----------	----------					

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W644-ICC644
Lab FileID: 3W16118.D

46)	BENZENE	0.846	0.801	0.660	0.739	0.759	0.722	0.734	0.765	0.753	7.32
47)	CYCLOHEXANE	0.430	0.407	0.346	0.374	0.391	0.366	0.366	0.368	0.381	7.07
48)	2,3-DIMETHYL		0.201	0.218	0.187	0.177	0.164	0.165	0.170	0.183	10.93
49)	TRICHLOROETH	0.384	0.336	0.296	0.310	0.324	0.303	0.299	0.293	0.318	9.57
50)	1,2-DICHLORO		0.381	0.290	0.257	0.270	0.263	0.271	0.284	0.288	14.72
51)	BROMODICHLOR	0.531	0.525	0.444	0.485	0.526	0.508	0.502	0.496	0.502	5.63
52)	2,2,4-TRIMET	1.290	1.218	1.071	1.139	1.172	1.104	1.082	1.044	1.140	7.29
53)	1,4-DIOXANE		0.160	0.132	0.158	0.151	0.155	0.159	0.178	0.156	8.76
54)	HEPTANE		0.460	0.389	0.383	0.391	0.372	0.360	0.331	0.384	10.31
55)	TVHC as EQUI	2.410	2.576	2.218	2.358	2.588	2.569	2.531	2.553	2.476	5.40
56)	METHYL METHA	0.149	0.172	0.137	0.162	0.207	0.220	0.226	0.241	0.189	20.71
57)	METHYL ISOBU	0.269	0.328	0.278	0.327	0.386	0.425	0.406	0.418	0.355	17.58
58)	cis-1,3-DICH	0.349	0.349	0.290	0.332	0.398	0.391	0.396	0.409	0.364	11.26
59)	TOLUENE	0.533	0.536	0.434	0.464	0.503	0.487	0.500	0.526	0.498	7.11
60)	trans-1,3-DI	0.259	0.266	0.219	0.244	0.303	0.317	0.330	0.380	0.290	18.16
61)	1,1,2-TRICHL	0.212	0.227	0.196	0.223	0.245	0.239	0.246	0.262	0.231	9.17
62)	I CHLOROBENZENE-D5	----------ISTD----------									
63)	2-HEXANONE		0.668	0.616	0.644	0.738	0.799	0.776	0.842	0.726	11.77
64)	TETRACHLOROE	0.704	0.773	0.678	0.699	0.716	0.648	0.645	0.646	0.689	6.39
65)	DIBROMOCHLOR	0.930	0.954	0.799	0.911	1.047	0.993	1.002	1.016	0.957	8.16
66)	1,2-DIBROMOE	0.721	0.750	0.607	0.675	0.776	0.759	0.780	0.833	0.738	9.49
67)	OCTANE		1.015	0.940	1.034	1.091	1.000	0.945	0.845	0.981	8.10
68)	1,1,1,2-TETR	0.675	0.733	0.642	0.718	0.723	0.668	0.677	0.668	0.688	4.71
69)	CHLOROBENZEN	1.314	1.305	1.078	1.169	1.205	1.119	1.120	1.102	1.177	7.73
70)	ETHYLBENZENE	1.852	1.992	1.647	1.821	2.076	1.952	1.953	1.934	1.903	6.84
71)	m,p-XYLENE	0.624	0.691	0.591	0.682	0.769	0.716	0.712	0.689	0.684	8.09
72)	o-XYLENE	0.584	0.656	0.552	0.680	0.752	0.698	0.706	0.710	0.667	10.12
73)	STYRENE			0.516	0.602	0.983	0.997	1.053	1.119	0.878	28.86
74)	NONANE	0.781	0.835	0.783	0.940	0.980	0.900	0.822	0.675	0.840	11.70
75)	BROMOFORM	0.672	0.722	0.554	0.640	0.837	0.834	0.879	0.947	0.761	17.67
76)	4-BROMOFLUOR	0.986	1.004	1.022	1.042	1.163	1.206	1.197	1.213	1.104	8.99
77)	1,1,2,2-TETR	0.745	0.772	0.805	0.911	0.955	0.916	0.924	0.944	0.872	9.58
78)	1,2,3-TRICHL	0.647	0.713	0.656	0.722	0.760	0.723	0.700	0.675	0.699	5.45
79)	ISOPROPYLBEN	1.930	2.058	1.732	2.026	2.183	2.060	2.048	2.008	2.006	6.53
80)	2-CHLOROTOLU	0.329	0.409	0.363	0.411	0.482	0.455	0.461	0.465	0.422	12.81
81)	n-PROPYLBENZ		0.400	0.349	0.438	0.535	0.509	0.510	0.511	0.465	15.05
82)	4-ETHYLTOLUE	1.119	1.313	1.196	1.427	1.818	1.789	1.798	1.830	1.536	19.83
83)	1,3,5-TRIMET	0.950	1.216	1.097	1.307	1.566	1.491	1.478	1.514	1.327	16.83
84)	tert-BUTYLBE		0.261	0.264	0.320	0.357	0.338	0.332	0.329	0.314	11.77
85)	1,2,4-TRIMET	0.789	0.989	0.976	1.189	1.414	1.364	1.309	1.272	1.163	19.02
86)	m-DICHLOROBE	0.582	0.632	0.631	0.659	0.772	0.785	0.795	0.863	0.715	14.12
87)	BENZYL CHLOR		0.616	0.624	0.618	0.790	0.890	0.877	1.011	0.775	20.53
88)	p-DICHLOROBE	0.539	0.627	0.637	0.609	0.720	0.736	0.748	0.817	0.679	13.35
89)	sec-BUTYLBEN		0.281	0.291	0.363	0.413	0.401	0.395	0.407	0.364	15.31
90)	p-ISOPROPYLT			0.269	0.332	0.401	0.403	0.395	0.410	0.369	15.33
91)	o-DICHLOROBE	0.525	0.548	0.594	0.607	0.694	0.697	0.709	0.802	0.647	14.47
92)	n-BUTYLBENZE			0.179	0.224	0.296	0.314	0.314	0.365	0.282	24.06
93)	HEXACHLOROBU		0.189	0.305	0.316	0.205	0.241	0.145	0.170	0.224	29.47
94)	1,2,4-TRICHL			0.100	0.124	0.107	0.138	0.100	0.134	0.117	14.42
95)	I CHLOROBENZENE-D5 (a)	----------ISTD----------									
96)	NAPHTHALENE			0.252	0.380	0.350	0.586	0.523	0.650	0.457	33.57

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3W644.M Wed Apr 07 11:38:41 2010 MS3W

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00	7.66
2		FREON 115		----------NA----------				
3		FREON 152A	0.891	0.886	0.6	118	0.00	4.15
4		CHLORODIFLUOROMETHANE	0.346	0.339	2.0	116	0.00	4.19
5		DICHLORODIFLUOROMETHANE	3.546	3.426	3.4	113	0.00	4.26
6		PROPYLENE	0.983	1.003	-2.0	114	0.00	4.21
7		FREON 114	3.718	3.583	3.6	112	0.00	4.43
8		CHLOROMETHANE	1.161	1.126	3.0	115	0.00	4.37
9		VINYL CHLORIDE	1.348	1.320	2.1	116	0.00	4.51
10		1,3-BUTADIENE	0.898	0.963	-7.2	116	0.00	4.60
11		n-BUTANE	1.805	1.755	2.8	113	0.00	4.62
12		BROMOMETHANE	1.263	1.285	-1.7	118	0.00	4.79
13		CHLOROETHANE	0.677	0.701	-3.5	116	0.00	4.89
14		FREON 123	2.979	2.948	1.0	113	0.00	5.21
15		FREON 123A	1.780	1.758	1.2	114	0.00	5.25
16		TRICHLOROFLUOROMETHANE	3.352	3.304	1.4	115	0.00	5.41
17		ISOPROPYL ALCOHOL	1.905	1.904	0.1	112	-0.02	5.48
18		ACETONE	0.564	0.523	7.3	114	0.00	5.31
19		PENTANE	1.189	1.143	3.9	114	0.00	5.61
20	H	TVHC as EQUIV PENTANE	5.398	5.337	1.1	113	0.00	5.61
21		IODOMETHANE	3.245	3.366	-3.7	118	0.00	5.82
22		1,1-DICHLOROETHYLENE	1.216	1.219	-0.2	117	0.00	5.86
23		CARBON DISULFIDE	3.634	3.635	-0.0	119	0.00	6.18
24		ETHANOL	0.504	0.444	11.9	112	-0.02	5.01
25		BROMOETHENE	1.240	1.299	-4.8	119	0.00	5.13
26		METHYLENE CHLORIDE	1.113	1.084	2.6	117	0.00	5.96
27		3-CHLOROPROPENE	0.540	0.569	-5.4	116	0.00	6.03
28		FREON 113	2.105	2.079	1.2	116	0.00	6.12
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.260	-2.3	117	0.00	6.63
30		TERTIARY BUTYL ALCOHOL	2.317	2.603	-12.3	109	-0.02	5.89
31		METHYL TERTIARY BUTYL ETH	3.035	3.148	-3.7	111	0.00	6.80
32		TETRAHYDROFURAN	0.504	0.561	-11.3	111	0.00	8.08
33		HEXANE	1.685	1.729	-2.6	113	0.00	7.57
34		VINYL ACETATE	0.227	0.264	-16.3	114	-0.01	6.91
35		1,1-DICHLOROETHANE	2.197	2.136	2.8	113	0.00	6.81
36		METHYL ETHYL KETONE	0.499	0.562	-12.6	112	-0.01	7.11
37		cis-1,2-DICHLOROETHYLENE	1.199	1.277	-6.5	115	0.00	7.53
38		DIISOPROPYL ETHER	3.001	3.140	-4.6	111	0.00	7.58
39		ETHYL ACETATE	0.301	0.317	-5.3	111	0.00	7.66
40		CHLOROFORM	2.489	2.497	-0.3	114	0.00	7.75
41		2,4-DIMETHYLPENTANE	2.180	2.190	-0.5	111	0.00	8.32
42		1,1,1-TRICHLOROETHANE	2.612	2.616	-0.2	112	0.00	8.59

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

43		CARBON TETRACHLORIDE	2.768	2.732	1.3	112	0.00	9.15
44		1,2-DICHLOROETHANE	1.404	1.420	-1.1	113	0.00	8.38
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	111	0.00	9.35
46		BENZENE	0.753	0.735	2.4	113	0.00	9.02
47		CYCLOHEXANE	0.381	0.370	2.9	112	0.00	9.20
48		2,3-DIMETHYLPENTANE	0.183	0.167	8.7	113	0.00	9.38
49		TRICHLOROETHYLENE	0.318	0.311	2.2	114	0.00	9.98
50		1,2-DICHLOROPROPANE	0.288	0.266	7.6	112	-0.01	9.74
51		BROMODICHLOROMETHANE	0.502	0.514	-2.4	112	0.00	9.96
52		2,2,4-TRIMETHYLPENTANE	1.140	1.105	3.1	111	0.00	9.91
53		1,4-DIOXANE	0.156	0.156	0.0	112	-0.01	10.02
54		HEPTANE	0.384	0.373	2.9	111	0.00	10.16
55	H	TVHC as EQUIV HEPTANE	2.476	2.573	-3.9	111	0.00	10.16
56		METHYL METHACRYLATE	0.189	0.219	-15.9	111	0.00	10.17
57		METHYL ISOBUTYL KETONE	0.355	0.418	-17.7	109	-0.01	10.80
58		cis-1,3-DICHLOROPROPENE	0.364	0.401	-10.2	114	0.00	10.82
59		TOLUENE	0.498	0.497	0.2	113	0.00	11.76
60		trans-1,3-DICHLOROPROPENE	0.290	0.324	-11.7	113	0.00	11.33
61		1,1,2-TRICHLOROETHANE	0.231	0.243	-5.2	113	0.00	11.49
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	13.58
63		2-HEXANONE	0.726	0.786	-8.3	107	0.00	12.00
64		TETRACHLOROETHYLENE	0.689	0.677	1.7	113	0.00	12.90
65		DIBROMOCHLOROMETHANE	0.957	1.039	-8.6	114	0.00	12.21
66		1,2-DIBROMOETHANE	0.738	0.801	-8.5	115	0.00	12.42
67		OCTANE	0.981	1.022	-4.2	111	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.699	-1.6	114	0.00	13.61
69		CHLOROBENZENE	1.177	1.178	-0.1	114	0.00	13.63
70		ETHYLBENZENE	1.903	2.030	-6.7	113	0.00	14.00
71		m,p-XYLENE	0.684	0.742	-8.5	113	0.00	14.18
72		o-XYLENE	0.667	0.726	-8.8	113	0.00	14.69
73		STYRENE	0.878	1.045	-19.0	114	0.00	14.60
74		NONANE	0.840	0.922	-9.8	111	0.00	14.87
75		BROMOFORM	0.761	0.890	-17.0	116	0.00	14.31
76	S	4-BROMOFLUOROBENZENE	1.104	1.192	-8.0	107	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.963	-10.4	114	0.00	14.72
78		1,2,3-TRICHLOROPROPANE	0.699	0.762	-9.0	114	0.00	14.85
79		ISOPROPYLBENZENE	2.006	2.131	-6.2	112	0.00	15.34
80		2-CHLOROTOLUENE	0.422	0.484	-14.7	116	0.00	15.91
81		n-PROPYLBENZENE	0.465	0.531	-14.2	113	0.00	15.94
82		4-ETHYLTOLUENE	1.536	1.844	-20.1	112	0.00	16.11
83		1,3,5-TRIMETHYLBENZENE	1.327	1.558	-17.4	113	0.00	16.20
84		tert-BUTYLBENZENE	0.314	0.348	-10.8	112	0.00	16.68
85		1,2,4-TRIMETHYLBENZENE	1.163	1.406	-20.9	112	0.00	16.69
86		m-DICHLOROBENZENE	0.715	0.831	-16.2	115	0.00	16.89
87		BENZYL CHLORIDE	0.775	0.962	-24.1	117	0.00	16.88
88		p-DICHLOROBENZENE	0.679	0.789	-16.2	116	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.411	-12.9	111	0.00	17.00
90		p-ISOPROPYLTOLUENE	0.369	0.415	-12.5	112	0.00	17.19
91		o-DICHLOROBENZENE	0.647	0.747	-15.5	116	0.00	17.40
92		n-BUTYLBENZENE	0.282	0.322	-14.2	111	0.00	17.69
93		HEXACHLOROBUTADIENE	0.224	0.263	-17.4	118	0.00	19.94
94		1,2,4-TRICHLOROBENZENE	0.117	0.161	-37.6#	127	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	109	0.00	13.58
96		NAPHTHALENE		----------NA----------				

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Wed Apr 07 11:38:40 2010   MS3W
```

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16310.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.01	7.67
2		FREON 115	0.000	0.021	0.0	0#	0.00	4.20
3		FREON 152A	0.891	0.839	5.8	93	0.02	4.18
4		CHLORODIFLUOROMETHANE	0.346	0.330	4.6	94	0.02	4.21
5		DICHLORODIFLUOROMETHANE	3.546	3.549	-0.1	98	0.02	4.27
6		PROPYLENE	0.983	1.135	-15.5	108	0.02	4.22
7		FREON 114	3.718	3.786	-1.8	99	0.02	4.45
8		CHLOROMETHANE	1.161	1.275	-9.8	108	0.02	4.39
9		VINYL CHLORIDE	1.348	1.415	-5.0	103	0.02	4.54
10		1,3-BUTADIENE	0.898	1.031	-14.8	104	0.02	4.62
11		n-BUTANE	1.805	2.028	-12.4	109	0.02	4.64
12		BROMOMETHANE	1.263	1.297	-2.7	100	0.02	4.81
13		CHLOROETHANE	0.677	0.707	-4.4	97	0.02	4.92
14		FREON 123	2.979	3.027	-1.6	97	0.02	5.23
15		FREON 123A	1.780	1.775	0.3	96	0.02	5.28
16		TRICHLOROFLUOROMETHANE	3.352	3.437	-2.5	100	0.02	5.43
17		ISOPROPYL ALCOHOL	1.905	1.935	-1.6	95	0.04	5.54
18		ACETONE	0.564	0.529	6.2	96	0.04	5.34
19		PENTANE	1.189	1.233	-3.7	103	0.02	5.64
20	H	TVHC as EQUIV PENTANE	5.398	5.754	-6.6	102	0.02	5.64
21		IODOMETHANE	3.245	3.268	-0.7	95	0.02	5.84
22		1,1-DICHLOROETHYLENE	1.216	1.192	2.0	96	0.02	5.89
23		CARBON DISULFIDE	3.634	3.651	-0.5	99	0.01	6.20
24		ETHANOL	0.504	0.450	10.7	95	0.04	5.06
25		BROMOETHENE	1.240	1.284	-3.5	98	0.02	5.16
26		METHYLENE CHLORIDE	1.113	1.076	3.3	97	0.02	5.98
27		3-CHLOROPROPENE	0.540	0.559	-3.5	95	0.02	6.05
28		FREON 113	2.105	2.034	3.4	95	0.02	6.14
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.186	3.7	92	0.02	6.65
30		TERTIARY BUTYL ALCOHOL	2.317	2.417	-4.3	85	0.03	5.94
31		METHYL TERTIARY BUTYL ETH	3.035	2.952	2.7	87	0.02	6.83
32		TETRAHYDROFURAN	0.504	0.514	-2.0	85	0.02	8.11
33		HEXANE	1.685	1.810	-7.4	99	0.01	7.58
34		VINYL ACETATE	0.227	0.227	0.0	82	0.01	6.94
35		1,1-DICHLOROETHANE	2.197	2.209	-0.5	98	0.02	6.83
36		METHYL ETHYL KETONE	0.499	0.519	-4.0	87	0.02	7.14
37		cis-1,2-DICHLOROETHYLENE	1.199	1.196	0.3	90	0.01	7.55
38		DIISOPROPYL ETHER	3.001	3.322	-10.7	98	0.02	7.60
39		ETHYL ACETATE	0.301	0.304	-1.0	89	0.02	7.68
40		CHLOROFORM	2.489	2.484	0.2	94	0.01	7.77
41		2,4-DIMETHYLPENTANE	2.180	2.251	-3.3	95	0.01	8.34
42		1,1,1-TRICHLOROETHANE	2.612	2.611	0.0	93	0.01	8.61

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16310.D

43		CARBON TETRACHLORIDE	2.768	2.703	2.3	92	0.01	9.17
44		1,2-DICHLOROETHANE	1.404	1.444	-2.8	96	0.01	8.40
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	9.36
46		BENZENE	0.753	0.707	6.1	90	0.00	9.04
47		CYCLOHEXANE	0.381	0.386	-1.3	97	0.00	9.21
48		2,3-DIMETHYLPENTANE	0.183	0.167	8.7	93	0.00	9.40
49		TRICHLOROETHYLENE	0.318	0.302	5.0	91	0.00	9.99
50		1,2-DICHLOROPROPANE	0.288	0.265	8.0	92	0.00	9.75
51		BROMODICHLOROMETHANE	0.502	0.520	-3.6	94	0.00	9.97
52		2,2,4-TRIMETHYLPENTANE	1.140	1.154	-1.2	96	0.00	9.92
53		1,4-DIOXANE	0.156	0.143	8.3	85	0.02	10.05
54		HEPTANE	0.384	0.425	-10.7	104	0.00	10.17
55	H	TVHC as EQUIV HEPTANE	2.476	2.706	-9.3	96	0.00	10.17
56		METHYL METHACRYLATE	0.189	0.206	-9.0	86	0.01	10.19
57		METHYL ISOBUTYL KETONE	0.355	0.453	-27.6	98	0.01	10.82
58		cis-1,3-DICHLOROPROPENE	0.364	0.390	-7.1	91	0.00	10.83
59		TOLUENE	0.498	0.456	8.4	86	0.00	11.77
60		trans-1,3-DICHLOROPROPENE	0.290	0.305	-5.2	88	0.00	11.34
61		1,1,2-TRICHLOROETHANE	0.231	0.237	-2.6	90	0.00	11.51
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	13.59
63		2-HEXANONE	0.726	0.821	-13.1	98	0.02	12.02
64		TETRACHLOROETHYLENE	0.689	0.567	17.7	83	0.00	12.91
65		DIBROMOCHLOROMETHANE	0.957	0.923	3.6	89	0.00	12.22
66		1,2-DIBROMOETHANE	0.738	0.692	6.2	87	0.00	12.43
67		OCTANE	0.981	1.092	-11.3	104	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.628	8.7	90	0.00	13.61
69		CHLOROBENZENE	1.177	1.013	13.9	86	0.00	13.64
70		ETHYLBENZENE	1.903	1.736	8.8	85	0.00	14.00
71		m,p-XYLENE	0.684	0.620	9.4	83	0.00	14.18
72		o-XYLENE	0.667	0.613	8.1	84	0.00	14.70
73		STYRENE	0.878	0.830	5.5	79	0.00	14.60
74		NONANE	0.840	1.005	-19.6	106	0.00	14.87
75		BROMOFORM	0.761	0.726	4.6	83	0.00	14.31
76	S	4-BROMOFLUOROBENZENE	1.104	1.083	1.9	86	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.826	5.3	86	0.00	14.73
78		1,2,3-TRICHLOROPROPANE	0.699	0.672	3.9	89	0.00	14.85
79		ISOPROPYLBENZENE	2.006	1.799	10.3	83	0.00	15.35
80		2-CHLOROTOLUENE	0.422	0.396	6.2	83	0.00	15.92
81		n-PROPYLBENZENE	0.465	0.433	6.9	81	0.00	15.94
82		4-ETHYLTOLUENE	1.536	1.498	2.5	80	0.00	16.11
83		1,3,5-TRIMETHYLBENZENE	1.327	1.282	3.4	82	0.00	16.20
84		tert-BUTYLBENZENE	0.314	0.284	9.6	80	0.00	16.68
85		1,2,4-TRIMETHYLBENZENE	1.163	1.177	-1.2	82	0.00	16.69
86		m-DICHLOROBENZENE	0.715	0.628	12.2	76	0.00	16.88
87		BENZYL CHLORIDE	0.775	0.705	9.0	76	0.00	16.88
88		p-DICHLOROBENZENE	0.679	0.583	14.1	76	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.331	9.1	79	0.00	17.00
90		p-ISOPROPYLTOLUENE	0.369	0.334	9.5	79	0.00	17.19
91		o-DICHLOROBENZENE	0.647	0.556	14.1	76	0.00	17.39
92		n-BUTYLBENZENE	0.282	0.249	11.7	76	0.00	17.69
93		HEXACHLOROBUTADIENE	0.224	0.174	22.3	69	0.00	19.94
94		1,2,4-TRICHLOROBENZENE	0.117	0.091	22.2	63	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	95	0.00	13.59
96		NAPHTHALENE	----------	----------	NA	----------		

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16310.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Mon Apr 19 14:49:38 2010   MS3W
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Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16311.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16311.D Vial: 6
Acq On : 16 Apr 2010 8:16 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	7.66
2		FREON 115	0.000	0.026	0.0	0#	0.08	4.27
3		FREON 152A		----------NA----------				
4		CHLORODIFLUOROMETHANE		----------NA----------				
5		DICHLORODIFLUOROMETHANE		----------NA----------				
6		PROPYLENE		----------NA----------				
7		FREON 114		----------NA----------				
8		CHLOROMETHANE		----------NA----------				
9		VINYL CHLORIDE		----------NA----------				
10		1,3-BUTADIENE		----------NA----------				
11		n-BUTANE		----------NA----------				
12		BROMOMETHANE		----------NA----------				
13		CHLOROETHANE		----------NA----------				
14		FREON 123		----------NA----------				
15		FREON 123A		----------NA----------				
16		TRICHLOROFLUOROMETHANE		----------NA----------				
17		ISOPROPYL ALCOHOL		----------NA----------				
18		ACETONE		----------NA----------				
19		PENTANE		----------NA----------				
20	H	TVHC as EQUIV PENTANE		----------NA----------				
21		IODOMETHANE		----------NA----------				
22		1,1-DICHLOROETHYLENE		----------NA----------				
23		CARBON DISULFIDE		----------NA----------				
24		ETHANOL		----------NA----------				
25		BROMOETHENE		----------NA----------				
26		METHYLENE CHLORIDE		----------NA----------				
27		3-CHLOROPROPENE		----------NA----------				
28		FREON 113		----------NA----------				
29		TRANS-1,2-DICHLOROETHYLEN		----------NA----------				
30		TERTIARY BUTYL ALCOHOL		----------NA----------				
31		METHYL TERTIARY BUTYL ETH		----------NA----------				
32		TETRAHYDROFURAN		----------NA----------				
33		HEXANE		----------NA----------				
34		VINYL ACETATE		----------NA----------				
35		1,1-DICHLOROETHANE		----------NA----------				
36		METHYL ETHYL KETONE		----------NA----------				
37		cis-1,2-DICHLOROETHYLENE		----------NA----------				
38		DIISOPROPYL ETHER		----------NA----------				
39		ETHYL ACETATE		----------NA----------				
40		CHLOROFORM		----------NA----------				
41		2,4-DIMETHYLPENTANE		----------NA----------				
42		1,1,1-TRICHLOROETHANE		----------NA----------				

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16311.D

43		CARBON TETRACHLORIDE		----------NA----------				
44		1,2-DICHLOROETHANE		----------NA----------				
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	93	0.00	9.35
46		BENZENE		----------NA----------				
47		CYCLOHEXANE		----------NA----------				
48		2,3-DIMETHYLPENTANE		----------NA----------				
49		TRICHLOROETHYLENE		----------NA----------				
50		1,2-DICHLOROPROPANE		----------NA----------				
51		BROMODICHLOROMETHANE		----------NA----------				
52		2,2,4-TRIMETHYLPENTANE		----------NA----------				
53		1,4-DIOXANE		----------NA----------				
54		HEPTANE		----------NA----------				
55	H	TVHC as EQUIV HEPTANE		----------NA----------				
56		METHYL METHACRYLATE		----------NA----------				
57		METHYL ISOBUTYL KETONE		----------NA----------				
58		cis-1,3-DICHLOROPROPENE		----------NA----------				
59		TOLUENE		----------NA----------				
60		trans-1,3-DICHLOROPROPENE		----------NA----------				
61		1,1,2-TRICHLOROETHANE		----------NA----------				
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	87	0.00	13.59
63		2-HEXANONE		----------NA----------				
64		TETRACHLOROETHYLENE		----------NA----------				
65		DIBROMOCHLOROMETHANE		----------NA----------				
66		1,2-DIBROMOETHANE		----------NA----------				
67		OCTANE		----------NA----------				
68		1,1,1,2-TETRACHLOROETHANE		----------NA----------				
69		CHLOROBENZENE		----------NA----------				
70		ETHYLBENZENE		----------NA----------				
71		m,p-XYLENE		----------NA----------				
72		o-XYLENE		----------NA----------				
73		STYRENE		----------NA----------				
74		NONANE		----------NA----------				
75		BROMOFORM		----------NA----------				
76	S	4-BROMOFLUOROBENZENE	1.104	1.014	8.2	74	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE		----------NA----------				
78		1,2,3-TRICHLOROPROPANE		----------NA----------				
79		ISOPROPYLBENZENE		----------NA----------				
80		2-CHLOROTOLUENE		----------NA----------				
81		n-PROPYLBENZENE		----------NA----------				
82		4-ETHYLTOLUENE		----------NA----------				
83		1,3,5-TRIMETHYLBENZENE		----------NA----------				
84		tert-BUTYLBENZENE		----------NA----------				
85		1,2,4-TRIMETHYLBENZENE		----------NA----------				
86		m-DICHLOROBENZENE		----------NA----------				
87		BENZYL CHLORIDE		----------NA----------				
88		p-DICHLOROBENZENE		----------NA----------				
89		sec-BUTYLBENZENE		----------NA----------				
90		p-ISOPROPYLTOLUENE		----------NA----------				
91		o-DICHLOROBENZENE		----------NA----------				
92		n-BUTYLBENZENE		----------NA----------				
93		HEXACHLOROBUTADIENE		----------NA----------				
94		1,2,4-TRICHLOROBENZENE		----------NA----------				
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	87	0.00	13.59
96		NAPHTHALENE	0.457	0.424	7.2	63	-0.10	19.54

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W651-CC644
Lab FileID: 3W16311.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3W16118.D M3W644.M Mon Apr 19 15:03:43 2010 MS3W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.66
2		FREON 115	0.000	0.021	0.0	0#	0.00	4.19
3		FREON 152A	0.891	0.853	4.3	86	0.01	4.16
4		CHLORODIFLUOROMETHANE	0.346	0.338	2.3	87	0.01	4.19
5		DICHLORODIFLUOROMETHANE	3.546	3.490	1.6	87	0.01	4.26
6		PROPYLENE	0.983	1.021	-3.9	88	0.01	4.21
7		FREON 114	3.718	3.744	-0.7	89	0.01	4.44
8		CHLOROMETHANE	1.161	1.214	-4.6	93	0.00	4.38
9		VINYL CHLORIDE	1.348	1.364	-1.2	90	0.01	4.52
10		1,3-BUTADIENE	0.898	0.974	-8.5	89	0.01	4.61
11		n-BUTANE	1.805	1.853	-2.7	90	0.01	4.63
12		BROMOMETHANE	1.263	1.292	-2.3	90	0.01	4.80
13		CHLOROETHANE	0.677	0.692	-2.2	86	0.01	4.91
14		FREON 123	2.979	3.005	-0.9	87	0.00	5.22
15		FREON 123A	1.780	1.832	-2.9	90	0.01	5.27
16		TRICHLOROFLUOROMETHANE	3.352	3.481	-3.8	91	0.00	5.42
17		ISOPROPYL ALCOHOL	1.905	1.850	2.9	83	0.00	5.51
18		ACETONE	0.564	0.524	7.1	86	0.01	5.32
19		PENTANE	1.189	1.167	1.9	88	0.00	5.62
20	H	TVHC as EQUIV PENTANE	5.398	5.372	0.5	86	0.01	5.62
21		IODOMETHANE	3.245	3.429	-5.7	91	0.00	5.83
22		1,1-DICHLOROETHYLENE	1.216	1.195	1.7	87	0.00	5.87
23		CARBON DISULFIDE	3.634	3.530	2.9	87	0.00	6.18
24		ETHANOL	0.504	0.430	14.7	82	0.00	5.03
25		BROMOETHENE	1.240	1.302	-5.0	90	0.00	5.14
26		METHYLENE CHLORIDE	1.113	1.069	4.0	87	0.00	5.97
27		3-CHLOROPROPENE	0.540	0.558	-3.3	86	0.00	6.04
28		FREON 113	2.105	2.167	-2.9	91	0.00	6.13
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.186	3.7	83	0.00	6.64
30		TERTIARY BUTYL ALCOHOL	2.317	2.486	-7.3	79	0.00	5.91
31		METHYL TERTIARY BUTYL ETH	3.035	2.997	1.3	80	0.00	6.82
32		TETRAHYDROFURAN	0.504	0.511	-1.4	77	0.00	8.08
33		HEXANE	1.685	1.712	-1.6	84	0.00	7.57
34		VINYL ACETATE	0.227	0.237	-4.4	77	0.00	6.92
35		1,1-DICHLOROETHANE	2.197	2.111	3.9	84	0.00	6.82
36		METHYL ETHYL KETONE	0.499	0.502	-0.6	76	0.00	7.12
37		cis-1,2-DICHLOROETHYLENE	1.199	1.219	-1.7	83	0.00	7.53
38		DIISOPROPYL ETHER	3.001	3.122	-4.0	83	0.00	7.58
39		ETHYL ACETATE	0.301	0.295	2.0	78	0.00	7.66
40		CHLOROFORM	2.489	2.480	0.4	85	0.00	7.75
41		2,4-DIMETHYLPENTANE	2.180	2.175	0.2	83	0.00	8.33
42		1,1,1-TRICHLOROETHANE	2.612	2.656	-1.7	86	0.00	8.60

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

43		CARBON TETRACHLORIDE	2.768	2.785	-0.6	86	0.00	9.16
44		1,2-DICHLOROETHANE	1.404	1.452	-3.4	87	0.00	8.38
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	9.35
46		BENZENE	0.753	0.714	5.2	81	0.00	9.02
47		CYCLOHEXANE	0.381	0.371	2.6	83	0.00	9.20
48		2,3-DIMETHYLPENTANE	0.183	0.166	9.3	82	0.00	9.38
49		TRICHLOROETHYLENE	0.318	0.311	2.2	84	0.00	9.98
50		1,2-DICHLOROPROPANE	0.288	0.266	7.6	82	0.00	9.74
51		BROMODICHLOROMETHANE	0.502	0.532	-6.0	85	0.00	9.96
52		2,2,4-TRIMETHYLPENTANE	1.140	1.140	0.0	84	0.00	9.91
53		1,4-DIOXANE	0.156	0.144	7.7	76	0.00	10.02
54		HEPTANE	0.384	0.410	-6.8	90	0.00	10.16
55	H	TVHC as EQUIV HEPTANE	2.476	2.572	-3.9	82	0.00	10.16
56		METHYL METHACRYLATE	0.189	0.205	-8.5	76	0.00	10.17
57		METHYL ISOBUTYL KETONE	0.355	0.425	-19.7	82	0.00	10.80
58		cis-1,3-DICHLOROPROPENE	0.364	0.403	-10.7	84	0.00	10.82
59		TOLUENE	0.498	0.491	1.4	82	0.00	11.76
60		trans-1,3-DICHLOROPROPENE	0.290	0.320	-10.3	82	0.00	11.33
61		1,1,2-TRICHLOROETHANE	0.231	0.246	-6.5	84	0.00	11.49
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	13.58
63		2-HEXANONE	0.726	0.778	-7.2	82	0.00	12.00
64		TETRACHLOROETHYLENE	0.689	0.638	7.4	82	0.00	12.90
65		DIBROMOCHLOROMETHANE	0.957	1.003	-4.8	85	0.00	12.21
66		1,2-DIBROMOETHANE	0.738	0.756	-2.4	83	0.00	12.42
67		OCTANE	0.981	1.099	-12.0	92	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.706	-2.6	89	0.00	13.60
69		CHLOROBENZENE	1.177	1.123	4.6	84	-0.01	13.62
70		ETHYLBENZENE	1.903	1.932	-1.5	83	-0.01	13.99
71		m,p-XYLENE	0.684	0.697	-1.9	82	-0.01	14.18
72		o-XYLENE	0.667	0.692	-3.7	83	-0.01	14.69
73		STYRENE	0.878	0.934	-6.4	78	0.00	14.59
74		NONANE	0.840	1.033	-23.0	96	-0.01	14.86
75		BROMOFORM	0.761	0.840	-10.4	84	0.00	14.30
76	S	4-BROMOFLUOROBENZENE	1.104	1.140	-3.3	79	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.897	-2.9	82	-0.01	14.71
78		1,2,3-TRICHLOROPROPANE	0.699	0.729	-4.3	85	-0.01	14.84
79		ISOPROPYLBENZENE	2.006	2.026	-1.0	82	-0.01	15.33
80		2-CHLOROTOLUENE	0.422	0.455	-7.8	84	-0.01	15.91
81		n-PROPYLBENZENE	0.465	0.489	-5.2	81	0.00	15.93
82		4-ETHYLTOLUENE	1.536	1.695	-10.4	79	0.00	16.10
83		1,3,5-TRIMETHYLBENZENE	1.327	1.448	-9.1	81	0.00	16.20
84		tert-BUTYLBENZENE	0.314	0.324	-3.2	80	0.00	16.67
85		1,2,4-TRIMETHYLBENZENE	1.163	1.322	-13.7	81	0.00	16.68
86		m-DICHLOROBENZENE	0.715	0.724	-1.3	77	0.00	16.88
87		BENZYL CHLORIDE	0.775	0.754	2.7	71	-0.01	16.88
88		p-DICHLOROBENZENE	0.679	0.676	0.4	77	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.386	-6.0	81	-0.01	16.99
90		p-ISOPROPYLTOLUENE	0.369	0.376	-1.9	78	-0.01	17.18
91		o-DICHLOROBENZENE	0.647	0.653	-0.9	79	0.00	17.39
92		n-BUTYLBENZENE	0.282	0.284	-0.7	76	-0.01	17.69
93		HEXACHLOROBUTADIENE	0.224	0.210	6.3	73	0.00	19.93
94		1,2,4-TRICHLOROBENZENE	0.117	0.110	6.0	67	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	84	0.00	13.58
96		NAPHTHALENE	----------	----------	NA	----------		

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3W16118.D M3W644.M Tue Apr 20 10:10:17 2010 MS3W

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	88	-0.02	7.64
2		FREON 115						
3		FREON 152A		----------NA----------				
4		CHLORODIFLUOROMETHANE		----------NA----------				
5		DICHLORODIFLUOROMETHANE		----------NA----------				
6		PROPYLENE		----------NA----------				
7		FREON 114		----------NA----------				
8		CHLOROMETHANE		----------NA----------				
9		VINYL CHLORIDE		----------NA----------				
10		1,3-BUTADIENE		----------NA----------				
11		n-BUTANE		----------NA----------				
12		BROMOMETHANE		----------NA----------				
13		CHLOROETHANE		----------NA----------				
14		FREON 123		----------NA----------				
15		FREON 123A		----------NA----------				
16		TRICHLOROFLUOROMETHANE		----------NA----------				
17		ISOPROPYL ALCOHOL		----------NA----------				
18		ACETONE		----------NA----------				
19		PENTANE		----------NA----------				
20	H	TVHC as EQUIV PENTANE		----------NA----------				
21		IODOMETHANE		----------NA----------				
22		1,1-DICHLOROETHYLENE		----------NA----------				
23		CARBON DISULFIDE		----------NA----------				
24		ETHANOL		----------NA----------				
25		BROMOETHENE		----------NA----------				
26		METHYLENE CHLORIDE		----------NA----------				
27		3-CHLOROPROPENE		----------NA----------				
28		FREON 113		----------NA----------				
29		TRANS-1,2-DICHLOROETHYLEN		----------NA----------				
30		TERTIARY BUTYL ALCOHOL		----------NA----------				
31		METHYL TERTIARY BUTYL ETH		----------NA----------				
32		TETRAHYDROFURAN		----------NA----------				
33		HEXANE		----------NA----------				
34		VINYL ACETATE		----------NA----------				
35		1,1-DICHLOROETHANE		----------NA----------				
36		METHYL ETHYL KETONE		----------NA----------				
37		cis-1,2-DICHLOROETHYLENE		----------NA----------				
38		DIISOPROPYL ETHER		----------NA----------				
39		ETHYL ACETATE		----------NA----------				
40		CHLOROFORM		----------NA----------				
41		2,4-DIMETHYLPENTANE		----------NA----------				
42		1,1,1-TRICHLOROETHANE		----------NA----------				

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

43		CARBON TETRACHLORIDE		----------NA----------				
44		1,2-DICHLOROETHANE		----------NA----------				
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	-0.02	9.33
46		BENZENE		----------NA----------				
47		CYCLOHEXANE		----------NA----------				
48		2,3-DIMETHYLPENTANE		----------NA----------				
49		TRICHLOROETHYLENE		----------NA----------				
50		1,2-DICHLOROPROPANE		----------NA----------				
51		BROMODICHLOROMETHANE		----------NA----------				
52		2,2,4-TRIMETHYLPENTANE		----------NA----------				
53		1,4-DIOXANE		----------NA----------				
54		HEPTANE		----------NA----------				
55	H	TVHC as EQUIV HEPTANE		----------NA----------				
56		METHYL METHACRYLATE		----------NA----------				
57		METHYL ISOBUTYL KETONE		----------NA----------				
58		cis-1,3-DICHLOROPROPENE		----------NA----------				
59		TOLUENE		----------NA----------				
60		trans-1,3-DICHLOROPROPENE		----------NA----------				
61		1,1,2-TRICHLOROETHANE		----------NA----------				
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	78	-0.02	13.57
63		2-HEXANONE		----------NA----------				
64		TETRACHLOROETHYLENE		----------NA----------				
65		DIBROMOCHLOROMETHANE		----------NA----------				
66		1,2-DIBROMOETHANE		----------NA----------				
67		OCTANE		----------NA----------				
68		1,1,1,2-TETRACHLOROETHANE		----------NA----------				
69		CHLOROBENZENE		----------NA----------				
70		ETHYLBENZENE		----------NA----------				
71		m,p-XYLENE		----------NA----------				
72		o-XYLENE		----------NA----------				
73		STYRENE		----------NA----------				
74		NONANE		----------NA----------				
75		BROMOFORM		----------NA----------				
76	S	4-BROMOFLUOROBENZENE	1.104	1.039	5.9	67	-0.01	15.21
77		1,1,2,2-TETRACHLOROETHANE		----------NA----------				
78		1,2,3-TRICHLOROPROPANE		----------NA----------				
79		ISOPROPYLBENZENE		----------NA----------				
80		2-CHLOROTOLUENE		----------NA----------				
81		n-PROPYLBENZENE		----------NA----------				
82		4-ETHYLTOLUENE		----------NA----------				
83		1,3,5-TRIMETHYLBENZENE		----------NA----------				
84		tert-BUTYLBENZENE		----------NA----------				
85		1,2,4-TRIMETHYLBENZENE		----------NA----------				
86		m-DICHLOROBENZENE		----------NA----------				
87		BENZYL CHLORIDE		----------NA----------				
88		p-DICHLOROBENZENE		----------NA----------				
89		sec-BUTYLBENZENE		----------NA----------				
90		p-ISOPROPYLTOLUENE		----------NA----------				
91		o-DICHLOROBENZENE		----------NA----------				
92		n-BUTYLBENZENE		----------NA----------				
93		HEXACHLOROBUTADIENE		----------NA----------				
94		1,2,4-TRICHLOROBENZENE		----------NA----------				
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	78	-0.02	13.57
96		NAPHTHALENE	0.457	0.501	-9.6	67	-0.11	19.53

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3W16118.D M3W644.M Tue Apr 20 10:12:47 2010 MS3W

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1071-ICC1071
Lab FileID: W25853.D

Response Factor Report MSW

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

Calibration Files
0.04=W25860.D 0.1 =W25859.D 0.2 =W25869.D 0.5 =W25868.D
5 =W25858.D 10 =W25853.D 20 =W25857.D 40 =W25863.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------	ISTD	----------							
2) FREON 115									0.000	-1.00
3) FREON 152A									0.000	-1.00
4) CHLORODIFLUO			0.474	0.371	0.367	0.369	0.330	0.312	0.370	15.16
5) DICHLORODIFL	4.402	3.765	4.115	3.553	3.599	3.684	3.306	3.101	3.691	11.29
6) PROPYLENE		1.516	1.548	1.347	1.305	1.353	1.224	1.165	1.351	10.42
7) FREON 114	4.591	4.085	4.495	3.911	4.005	4.121	3.698	3.453	4.045	9.33
8) CHLOROMETHAN	0.443	0.445	0.511	0.433	0.436	0.449	0.404	0.372	0.437	9.07
9) VINYL CHLORI	1.792	1.493	1.808	1.529	1.580	1.633	1.480	1.385	1.588	9.45
10) 1,3-BUTADIEN	1.579	1.338	1.429	1.226	1.276	1.336	1.200	1.131	1.314	10.76
11) n-BUTANE	3.568	2.867	2.959	2.462	2.587	2.687	2.444	2.276	2.731	14.87
12) BROMOMETHANE	1.422	1.361	1.525	1.335	1.341	1.361	1.193	1.115	1.332	9.57
13) CHLOROETHANE	0.961	0.865	0.980	0.848	0.895	0.902	0.798	0.746	0.875	8.97
14) ACROLEIN			0.584	0.518	0.565	0.594	0.537	0.514	0.552	6.14
15) FREON 123	3.928	3.517	3.957	3.309	3.415	3.446	3.050	2.886	3.438	10.93
16) FREON 123A	2.180	2.132	2.371	1.996	2.015	2.015	1.772	1.688	2.021	10.81
17) TRICHLOROFLU	4.110	3.622	4.138	3.582	3.683	3.711	3.274	2.969	3.636	10.72
18) ISOPROPYL AL			2.494	2.432	2.509	2.940	2.569	2.368	2.552	7.92
19) ACETONE			0.729	0.705	0.650	0.719	0.629	0.588	0.670	8.46
20) PENTANE			0.644	0.493	0.472	0.474	0.425	0.399	0.485	17.71
21) TVHC as EQUI	9.961	9.989	9.001	8.222	9.751	8.906	8.028	8.330	9.023	8.86
22) IODOMETHANE	3.849	3.742	4.079	3.584	3.706	3.702	3.263	2.980	3.613	9.53
23) 1,1-DICHLORO		1.649	1.728	1.415	1.412	1.428	1.262	1.156	1.436	13.95
24) CARBON DISUL	5.278	4.730	4.626	3.960	4.294	4.371	3.894	3.486	4.330	12.91
25) ETHANOL			0.812	0.740	0.603	0.621	0.531	0.509	0.636	18.62
26) BROMOETHENE	1.418	1.348	1.587	1.413	1.419	1.415	1.241	1.171	1.377	9.17
27) METHYLENE CH			1.803	1.374	1.246	1.257	1.124	1.026	1.305	20.82
28) 3-CHLOROPROP	0.615	0.751	0.783	0.656	0.743	0.757	0.678	0.628	0.701	9.25
29) FREON 113	2.768	2.443	2.748	2.427	2.441	2.419	2.181	2.023	2.431	10.35
30) TRANS-1,2-DI		1.847	1.733	1.473	1.550	1.572	1.413	1.310	1.557	11.85
31) TERTIARY BUT	3.623	3.471	2.961	2.471	3.151	3.789	3.269	3.008	3.218	13.02
32) METHYL TERTI	4.598	3.987	3.645	3.518	3.864	4.341	3.763	3.588	3.913	9.74
33) TETRAHYDROFU		0.620	0.593	0.610	0.682	0.762	0.655	0.634	0.651	8.76
34) HEXANE	3.162	2.704	2.642	2.278	2.589	2.735	2.408	2.238	2.594	11.46
35) VINYL ACETAT		0.319	0.304	0.308	0.388	0.427	0.369	0.349	0.352	12.97
36) 1,1-DICHLORO	3.235	2.880	2.907	2.452	2.753	2.887	2.554	2.357	2.753	10.42
37) METHYL ETHYL			0.540	0.539	0.682	0.778	0.669	0.641	0.642	14.27
38) cis-1,2-DICH		1.999	1.772	1.409	1.548	1.579	1.424	1.330	1.580	14.84
39) DI-ISOPROPYL	5.892	4.984	4.716	4.385	5.060	5.813	4.968	4.739	5.070	10.41
40) ETHYL ACETAT		0.392	0.352	0.370	0.445	0.507	0.424	0.406	0.414	12.53
41) CHLOROFORM	3.355	3.093	3.096	2.665	2.906	3.013	2.674	2.486	2.911	9.82
42) 2,4-DIMETHYL	3.554	3.105	3.175	2.759	3.121	3.322	2.929	2.726	3.086	9.04
43) 1,1,1-TRICHL	3.392	3.119	3.217	2.721	2.950	3.060	2.725	2.552	2.967	9.59
44) CARBON TETRA	3.526	3.102	3.343	2.854	3.116	3.167	2.847	2.674	3.079	9.09
45) 1,2-DICHLORO	1.923	1.980	1.768	1.523	1.846	1.975	1.736	1.618	1.796	9.30

Initial Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1071-ICC1071
Lab FileID: W25853.D

46) I	1,4-DIFLUOROBENZENE	----------	ISTD	----------							
47)	BENZENE	1.127	1.004	0.998	0.853	0.918	0.965	0.888	0.841	0.949	10.01
48)	CYCLOHEXANE	0.698	0.538	0.527	0.452	0.455	0.465	0.430	0.407	0.496	18.73
49)	2,3-DIMETHYL	0.264	0.231	0.257	0.227	0.237	0.249	0.231	0.223	0.240	6.29
50)	TRICHLOROETH	0.448	0.419	0.422	0.365	0.388	0.399	0.374	0.358	0.397	7.94
51)	1,2-DICHLORO	0.399	0.353	0.354	0.299	0.332	0.353	0.324	0.309	0.341	9.28
52)	BROMODICHLOR	0.703	0.662	0.635	0.543	0.633	0.664	0.615	0.585	0.630	7.87
53)	2,2,4-TRIMET	1.816	1.640	1.681	1.445	1.589	1.742	1.591	1.458	1.620	7.94
54)	1,4-DIOXANE		0.225	0.184	0.184	0.196	0.209	0.192	0.182	0.196	8.03
55)	METHYL METHA	0.296	0.301	0.241	0.241	0.296	0.338	0.305	0.304	0.290	11.43
56)	HEPTANE	0.946	0.804	0.667	0.570	0.598	0.650	0.589	0.555	0.672	20.24
57)	TVHC as EQUI			4.130	3.899	2.773	2.726	2.536	2.428	3.082	23.91
58)	METHYL ISOBU		0.695	0.515	0.502	0.622	0.738	0.658	0.622	0.622	14.06
59)	cis-1,3-DICH	0.578	0.551	0.465	0.408	0.516	0.554	0.510	0.492	0.509	10.74
60)	TOLUENE	0.738	0.703	0.649	0.566	0.648	0.687	0.635	0.609	0.654	8.31
61)	trans-1,3-DI	0.493	0.449	0.370	0.321	0.429	0.469	0.433	0.423	0.423	12.96
62)	1,1,2-TRICHL	0.305	0.302	0.298	0.262	0.290	0.307	0.284	0.276	0.290	5.39
63) I	CHLOROBENZENE-D5	----------	ISTD	----------							
64)	2-HEXANONE		1.454	1.141	1.033	1.100	1.360	1.191	1.018	1.185	13.92
65)	TETRACHLOROE	1.003	0.968	1.027	0.906	0.871	0.830	0.772	0.690	0.883	13.20
66)	DIBROMOCHLOR	1.418	1.322	1.387	1.194	1.248	1.234	1.136	0.988	1.241	11.27
67)	1,2-DIBROMOE	1.095	1.101	1.026	0.918	1.019	1.031	0.940	0.826	0.995	9.42
68)	OCTANE	1.851	1.652	1.728	1.466	1.605	1.649	1.453	1.242	1.581	11.94
69)	1,1,1,2-TETR	1.067	0.995	1.014	0.873	0.909	0.885	0.822	0.722	0.911	12.31
70)	CHLOROBENZEN	2.060	1.970	1.727	1.507	1.677	1.648	1.516	1.335	1.680	14.36
71)	ETHYLBENZENE	3.001	2.908	2.596	2.359	2.706	2.735	2.474	2.176	2.619	10.56
72)	m,p-XYLENE	1.089	1.100	0.968	0.924	1.059	1.065	0.972	0.853	1.004	8.81
73)	o-XYLENE	1.029	1.033	0.904	0.862	1.002	1.013	0.932	0.814	0.949	8.76
74)	STYRENE	1.403	1.462	1.183	1.096	1.495	1.575	1.437	1.279	1.366	12.06
75)	1,2,3-TRICHL		1.179	0.976	0.894	0.973	1.029	0.933	0.831	0.974	11.38
76)	NONANE	1.452	1.372	1.454	1.303	1.481	1.577	1.397	1.189	1.403	8.43
77)	BROMOFORM	1.298	1.274	1.078	0.966	1.112	1.102	1.027	0.918	1.097	12.26
78)	4-BROMOFLUOR	0.963	0.990	1.078	1.084	1.101	1.126	1.069	1.014	1.053	5.44
79)	1,1,2,2-TETR	1.195	1.198	1.150	1.054	1.186	1.257	1.142	1.006	1.149	7.14
80)	ISOPROPYLBEN	2.831	2.819	2.571	2.478	2.838	2.891	2.632	2.317	2.672	7.72
81)	2-CHLOROTOLU	0.650	0.641	0.556	0.530	0.660	0.664	0.622	0.553	0.609	8.91
82)	n-PROPYLBENZ	0.573	0.640	0.571	0.593	0.744	0.775	0.719	0.643	0.657	12.11
83)	4-ETHYLTOLUE	2.014	2.065	1.787	1.858	2.471	2.594	2.367	2.078	2.154	13.54
84)	1,3,5-TRIMET	1.767	1.821	1.612	1.621	1.973	2.094	1.905	1.719	1.814	9.35
85)	TERT-BUTYLBE		0.439	0.448	0.455	0.521	0.541	0.504	0.458	0.481	8.41
86)	1,2,4-TRIMET	1.525	1.577	1.359	1.415	1.849	2.001	1.852	1.654	1.654	13.80
87)	m-DICHLOROBE	0.950	1.041	0.852	0.830	1.114	1.199	1.129	1.028	1.018	12.98
88)	BENZYL CHLOR		1.049	0.674	0.670	1.156	1.454	1.389	1.261	1.093	29.07
89)	p-DICHLOROBE	0.907	0.975	0.813	0.781	1.043	1.131	1.094	0.970	0.964	13.03
90)	SEC-BUTYLBEN		0.456	0.465	0.485	0.585	0.622	0.586	0.529	0.533	12.44
91)	p-ISOPROPYLT		0.393	0.414	0.449	0.550	0.610	0.577	0.511	0.501	16.74
92)	o-DICHLOROBE	0.880	0.931	0.744	0.732	0.925	1.009	0.968	0.847	0.880	11.40
93)	n-BUTYLBENZE			0.220	0.288	0.389	0.492	0.455	0.412	0.376	27.39
94)	HEXACHLOROBU	0.198	0.277	0.351	0.337	0.221	0.293	0.261	0.228	0.271	20.22
95)	1,2,4-TRICHL		0.234	0.173	0.200	0.178	0.235	0.231	0.206	0.208	12.61
96) I	Chlorobenzene-d5(a)	----------	ISTD	----------							
97)	NAPHTHALENE			0.527	0.769	0.450	0.462	0.768	0.678	0.609	24.29

(#) = Out of Range ### Number of calibration levels exceeded format ###

MW1071.M Wed Apr 14 12:08:08 2010 MSW

5.9.19

5

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	-0.03
2		FREON 115	0.000	0.000	0.0	0#	-4.92#
3		FREON 152A	0.000	0.000	0.0	0#	-4.78#
4		CHLORODIFLUOROMETHANE	0.370	0.332	10.3	92	-0.05
5		DICHLORODIFLUOROMETHANE	3.691	3.358	9.0	93	-0.06
6		PROPYLENE	1.351	1.187	12.1	90	-0.05
7		FREON 114	4.045	3.308	18.2	82	-0.05
8		CHLOROMETHANE	0.437	0.401	8.2	91	-0.05
9		VINYL CHLORIDE	1.588	1.473	7.2	92	-0.05
10		1,3-BUTADIENE	1.314	1.157	11.9	89	-0.05
11		n-BUTANE	2.731	2.312	15.3	88	-0.05
12		BROMOMETHANE	1.332	1.237	7.1	93	-0.04
13		CHLOROETHANE	0.875	0.816	6.7	92	-0.05
14		ACROLEIN	0.552	0.556	-0.7	96	-0.04
15		FREON 123	3.438	3.126	9.1	93	-0.04
16		FREON 123A	2.021	1.875	7.2	95	-0.04
17		TRICHLOROFLUOROMETHANE	3.636	3.322	8.6	91	-0.04
18		ISOPROPYL ALCOHOL	2.552	2.440	4.4	85	-0.04
19		ACETONE	0.670	0.614	8.4	87	-0.04
20		PENTANE	0.485	0.425	12.4	92	-0.04
21	H	TVHC as EQUIV PENTANE	9.023	7.689	14.8	88	-0.04
22		IODOMETHANE	3.613	3.464	4.1	96	-0.04
23		1,1-DICHLOROETHYLENE	1.436	1.277	11.1	91	-0.04
24		CARBON DISULFIDE	4.330	3.546	18.1	83	-0.04
25		ETHANOL	0.636	0.558	12.3	92	-0.04
26		BROMOETHENE	1.377	1.308	5.0	94	-0.04
27		METHYLENE CHLORIDE	1.305	1.155	11.5	94	-0.04
28		3-CHLOROPROPENE	0.701	0.696	0.7	94	-0.04
29		FREON 113	2.431	2.132	12.3	90	-0.04
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.321	15.2	86	-0.03
31		TERTIARY BUTYL ALCOHOL	3.218	3.044	5.4	82	-0.03
32		METHYL TERTIARY BUTYL ETHER	3.913	3.471	11.3	82	-0.03
33		TETRAHYDROFURAN	0.651	0.624	4.1	84	-0.02
34		HEXANE	2.594	2.186	15.7	82	-0.03
35		VINYL ACETATE	0.352	0.351	0.3	84	-0.03
36		1,1-DICHLOROETHANE	2.753	2.346	14.8	83	-0.03
37		METHYL ETHYL KETONE	0.642	0.628	2.2	82	-0.03
38		cis-1,2-DICHLOROETHYLENE	1.580	1.368	13.4	89	-0.03
39		DI-ISOPROPYL ETHER	5.070	4.329	14.6	76	-0.03
40		ETHYL ACETATE	0.414	0.380	8.2	77	-0.03
41		CHLOROFORM	2.911	2.517	13.5	85	-0.03
42		2,4-DIMETHYLPENTANE	3.086	2.668	13.5	82	-0.03

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

43		1,1,1-TRICHLOROETHANE	2.967	2.543	14.3	85	-0.03
44		CARBON TETRACHLORIDE	3.079	2.651	13.9	86	-0.02
45		1,2-DICHLOROETHANE	1.796	1.563	13.0	81	-0.03
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	-0.03
47		BENZENE	0.949	0.812	14.4	87	-0.02
48		CYCLOHEXANE	0.496	0.387	22.0	86	-0.02
49		2,3-DIMETHYLPENTANE	0.240	0.199	17.1	83	-0.03
50		TRICHLOROETHYLENE	0.397	0.329	17.1	85	-0.02
51		1,2-DICHLOROPROPANE	0.341	0.282	17.3	82	-0.02
52		BROMODICHLOROMETHANE	0.630	0.523	17.0	81	-0.02
53		2,2,4-TRIMETHYLPENTANE	1.620	1.383	14.6	82	-0.02
54		1,4-DIOXANE	0.196	0.175	10.7	87	-0.01
55		METHYL METHACRYLATE	0.290	0.263	9.3	80	-0.01
56		HEPTANE	0.672	0.487	27.5	77	-0.01
57	H	TVHC as EQUIV HEPTANE	3.082	2.184	29.1	83	-0.01
58		METHYL ISOBUTYL KETONE	0.622	0.538	13.5	75	0.00
59		cis-1,3-DICHLOROPROPENE	0.509	0.425	16.5	79	-0.01
60		TOLUENE	0.654	0.580	11.3	87	-0.01
61		trans-1,3-DICHLOROPROPENE	0.423	0.414	2.1	91	-0.01
62		1,1,2-TRICHLOROETHANE	0.290	0.251	13.4	84	0.00
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00
64		2-HEXANONE	1.185	1.075	9.3	77	0.00
65		TETRACHLOROETHYLENE	0.883	0.783	11.3	92	0.00
66		DIBROMOCHLOROMETHANE	1.241	1.127	9.2	89	-0.01
67		1,2-DIBROMOETHANE	0.995	0.933	6.2	88	0.00
68		OCTANE	1.581	1.299	17.8	77	0.00
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.792	13.1	87	0.00
70		CHLOROBENZENE	1.680	1.485	11.6	88	0.00
71		ETHYLBENZENE	2.619	2.381	9.1	85	0.00
72		m,p-XYLENE	1.004	0.945	5.9	87	0.00
73		o-XYLENE	0.949	0.905	4.6	87	0.00
74		STYRENE	1.366	1.381	-1.1	86	0.00
75		1,2,3-TRICHLOROPROPANE	0.974	0.867	11.0	82	0.00
76		NONANE	1.403	1.247	11.1	77	0.00
77		BROMOFORM	1.097	1.026	6.5	91	0.00
78	S	4-BROMOFLUOROBENZENE	1.053	1.189	-12.9	103	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.065	7.3	83	0.00
80		ISOPROPYLBENZENE	2.672	2.555	4.4	86	0.00
81		2-CHLOROTOLUENE	0.609	0.607	0.3	89	0.00
82		n-PROPYLBENZENE	0.657	0.688	-4.7	87	0.00
83		4-ETHYLTOLUENE	2.154	2.320	-7.7	87	0.00
84		1,3,5-TRIMETHYLBENZENE	1.814	1.846	-1.8	86	0.00
85		TERT-BUTYLBENZENE	0.481	0.483	-0.4	87	0.00
86		1,2,4-TRIMETHYLBENZENE	1.654	1.790	-8.2	87	0.00
87		m-DICHLOROBENZENE	1.018	1.132	-11.2	92	0.00
88		BENZYL CHLORIDE	1.093	1.345	-23.1	90	0.00
89		p-DICHLOROBENZENE	0.964	1.101	-14.2	95	0.00
90		SEC-BUTYLBENZENE	0.533	0.565	-6.0	89	0.00
91		p-ISOPROPYLTOLUENE	0.501	0.564	-12.6	90	0.00
92		o-DICHLOROBENZENE	0.880	0.970	-10.2	94	0.00
93		n-BUTYLBENZENE	0.376	0.451	-19.9	90	0.00
94		HEXACHLOROBUTADIENE	0.271	0.327	-20.7	109	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.283	-36.1#	118	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	98	0.00
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Initial Calibration Verification

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W25853.D   MW1071.M         Wed Apr 14 12:08:07 2010   MSW
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Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	-0.08
2		FREON 115	0.000	3.810	0.0	0#	-0.11
3		FREON 152A	0.000	1.025	0.0	0#	-0.11
4		CHLORODIFLUOROMETHANE	0.370	0.382	-3.2	97	-0.11
5		DICHLORODIFLUOROMETHANE	3.691	3.810	-3.2	96	-0.11
6		PROPYLENE	1.351	1.640	-21.4	113	-0.11
7		FREON 114	4.045	4.216	-4.2	95	-0.11
8		CHLOROMETHANE	0.437	0.520	-19.0	108	-0.11
9		VINYL CHLORIDE	1.588	1.799	-13.3	103	-0.11
10		1,3-BUTADIENE	1.314	1.456	-10.8	102	-0.11
11		n-BUTANE	2.731	3.146	-15.2	109	-0.10
12		BROMOMETHANE	1.332	1.407	-5.6	96	-0.10
13		CHLOROETHANE	0.875	1.024	-17.0	106	-0.11
14		ACROLEIN	0.552	0.600	-8.7	94	-0.10
15		FREON 123	3.438	3.780	-9.9	102	-0.11
16		FREON 123A	2.021	2.084	-3.1	96	-0.11
17		TRICHLOROFLUOROMETHANE	3.636	3.868	-6.4	97	-0.09
18		ISOPROPYL ALCOHOL	2.552	2.777	-8.8	88	-0.14
19		ACETONE	0.670	0.706	-5.4	92	-0.10
20		PENTANE	0.485	0.540	-11.3	106	-0.09
21	H	TVHC as EQUIV PENTANE	9.023	9.708	-7.6	102	-0.09
22		IODOMETHANE	3.613	3.673	-1.7	93	-0.09
23		1,1-DICHLOROETHYLENE	1.436	1.515	-5.5	99	-0.09
24		CARBON DISULFIDE	4.330	4.631	-7.0	99	-0.09
25		ETHANOL	0.636	0.619	2.7	93	-0.14
26		BROMOETHENE	1.377	1.450	-5.3	96	-0.10
27		METHYLENE CHLORIDE	1.305	1.440	-10.3	107	-0.09
28		3-CHLOROPROPENE	0.701	0.820	-17.0	101	-0.09
29		FREON 113	2.431	2.436	-0.2	94	-0.09
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.544	0.8	92	-0.08
31		TERTIARY BUTYL ALCOHOL	3.218	3.439	-6.9	85	-0.12
32		METHYL TERTIARY BUTYL ETHER	3.913	3.450	11.8	74	-0.08
33		TETRAHYDROFURAN	0.651	0.614	5.7	75	-0.06
34		HEXANE	2.594	2.838	-9.4	97	-0.08
35		VINYL ACETATE	0.352	0.341	3.1	74	-0.08
36		1,1-DICHLOROETHANE	2.753	3.006	-9.2	97	-0.08
37		METHYL ETHYL KETONE	0.642	0.627	2.3	75	-0.09
38		cis-1,2-DICHLOROETHYLENE	1.580	1.550	1.9	92	-0.08
39		DI-ISOPROPYL ETHER	5.070	5.024	0.9	81	-0.08
40		ETHYL ACETATE	0.414	0.423	-2.2	78	-0.08
41		CHLOROFORM	2.911	2.999	-3.0	93	-0.08
42		2,4-DIMETHYLPENTANE	3.086	3.473	-12.5	97	-0.07

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

43		1,1,1-TRICHLOROETHANE	2.967	2.932	1.2	89	-0.07
44		CARBON TETRACHLORIDE	3.079	3.061	0.6	90	-0.06
45		1,2-DICHLOROETHANE	1.796	1.914	-6.6	90	-0.08
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	-0.06
47		BENZENE	0.949	1.074	-13.2	91	-0.06
48		CYCLOHEXANE	0.496	0.520	-4.8	91	-0.06
49		2,3-DIMETHYLPENTANE	0.240	0.285	-18.7	94	-0.06
50		TRICHLOROETHYLENE	0.397	0.443	-11.6	91	-0.06
51		1,2-DICHLOROPROPANE	0.341	0.392	-15.0	91	-0.06
52		BROMODICHLOROMETHANE	0.630	0.711	-12.9	88	-0.06
53		2,2,4-TRIMETHYLPENTANE	1.620	2.054	-26.8	96	0.02
54		1,4-DIOXANE	0.196	0.194	1.0	76	-0.05
55		METHYL METHACRYLATE	0.290	0.297	-2.4	72	-0.05
56		HEPTANE	0.672	0.777	-15.6	98	-0.05
57	H	TVHC as EQUIV HEPTANE	3.082	3.188	-3.4	96	-0.05
58		METHYL ISOBUTYL KETONE	0.622	0.693	-11.4	77	-0.05
59		cis-1,3-DICHLOROPROPENE	0.509	0.572	-12.4	84	-0.05
60		TOLUENE	0.654	0.698	-6.7	83	-0.04
61		trans-1,3-DICHLOROPROPENE	0.423	0.462	-9.2	81	-0.05
62		1,1,2-TRICHLOROETHANE	0.290	0.323	-11.4	86	-0.05
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	81	-0.03
64		2-HEXANONE	1.185	1.294	-9.2	77	-0.04
65		TETRACHLOROETHYLENE	0.883	0.838	5.1	82	-0.03
66		DIBROMOCHLOROMETHANE	1.241	1.256	-1.2	83	-0.04
67		1,2-DIBROMOETHANE	0.995	1.028	-3.3	81	-0.04
68		OCTANE	1.581	1.953	-23.5	96	-0.03
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.906	0.5	83	-0.03
70		CHLOROBENZENE	1.680	1.700	-1.2	84	-0.03
71		ETHYLBENZENE	2.619	2.662	-1.6	79	-0.03
72		m,p-XYLENE	1.004	1.016	-1.2	77	-0.03
73		o-XYLENE	0.949	0.973	-2.5	78	-0.03
74		STYRENE	1.366	1.423	-4.2	73	-0.03
75		1,2,3-TRICHLOROPROPANE	0.974	0.993	-2.0	78	-0.03
76		NONANE	1.403	1.766	-25.9	91	-0.02
77		BROMOFORM	1.097	1.045	4.7	77	-0.03
78	S	4-BROMOFLUOROBENZENE	1.053	1.023	2.8	74	-0.02
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.224	-6.5	79	-0.03
80		ISOPROPYLBENZENE	2.672	2.673	-0.0	75	-0.02
81		2-CHLOROTOLUENE	0.609	0.635	-4.3	78	-0.02
82		n-PROPYLBENZENE	0.657	0.694	-5.6	73	-0.02
83		4-ETHYLTOLUENE	2.154	2.300	-6.8	72	-0.02
84		1,3,5-TRIMETHYLBENZENE	1.814	1.812	0.1	70	-0.02
85		TERT-BUTYLBENZENE	0.481	0.466	3.1	70	-0.02
86		1,2,4-TRIMETHYLBENZENE	1.654	1.757	-6.2	71	-0.02
87		m-DICHLOROBENZENE	1.018	1.094	-7.5	74	-0.02
88		BENZYL CHLORIDE	1.093	1.221	-11.7	68	-0.02
89		p-DICHLOROBENZENE	0.964	1.008	-4.6	72	-0.02
90		SEC-BUTYLBENZENE	0.533	0.531	0.4	69	-0.02
91		p-ISOPROPYLTOLUENE	0.501	0.510	-1.8	68	-0.02
92		o-DICHLOROBENZENE	0.880	0.890	-1.1	72	-0.02
93		n-BUTYLBENZENE	0.376	0.381	-1.3	63	-0.02
94		HEXACHLOROBUTADIENE	0.271	0.260	4.1	72	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.203	2.4	70	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	81	-0.03
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0

W25853.D MW1071.M Wed Apr 21 14:28:55 2010 MSW

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	-0.09
2		FREON 115	0.000	3.896	0.0	0#	-0.11
3		FREON 152A	0.000	1.059	0.0	0#	-0.11
4		CHLORODIFLUOROMETHANE	0.370	0.404	-9.2	92	-0.11
5		DICHLORODIFLUOROMETHANE	3.691	3.896	-5.6	89	-0.11
6		PROPYLENE	1.351	1.658	-22.7	103	-0.11
7		FREON 114	4.045	4.331	-7.1	89	-0.11
8		CHLOROMETHANE	0.437	0.533	-22.0	100	-0.11
9		VINYL CHLORIDE	1.588	1.848	-16.4	95	-0.11
10		1,3-BUTADIENE	1.314	1.478	-12.5	93	-0.11
11		n-BUTANE	2.731	3.221	-17.9	101	-0.11
12		BROMOMETHANE	1.332	1.429	-7.3	88	-0.11
13		CHLOROETHANE	0.875	1.029	-17.6	96	-0.11
14		ACROLEIN	0.552	0.584	-5.8	83	-0.11
15		FREON 123	3.438	3.774	-9.8	92	-0.11
16		FREON 123A	2.021	2.097	-3.8	88	-0.11
17		TRICHLOROFLUOROMETHANE	3.636	4.111	-13.1	93	-0.10
18		ISOPROPYL ALCOHOL	2.552	2.886	-13.1	83	-0.15
19		ACETONE	0.670	0.710	-6.0	83	-0.11
20		PENTANE	0.485	0.563	-16.1	100	-0.10
21	H	TVHC as EQUIV PENTANE	9.023	10.192	-13.0	96	-0.10
22		IODOMETHANE	3.613	3.778	-4.6	86	-0.10
23		1,1-DICHLOROETHYLENE	1.436	1.580	-10.0	93	-0.10
24		CARBON DISULFIDE	4.330	4.670	-7.9	90	-0.09
25		ETHANOL	0.636	0.630	0.9	85	-0.15
26		BROMOETHENE	1.377	1.493	-8.4	89	-0.11
27		METHYLENE CHLORIDE	1.305	1.471	-12.7	99	-0.11
28		3-CHLOROPROPENE	0.701	0.834	-19.0	93	-0.10
29		FREON 113	2.431	2.367	2.6	82	-0.10
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.552	0.3	83	-0.09
31		TERTIARY BUTYL ALCOHOL	3.218	3.615	-12.3	80	-0.14
32		METHYL TERTIARY BUTYL ETHER	3.913	3.489	10.8	68	-0.09
33		TETRAHYDROFURAN	0.651	0.606	6.9	67	-0.08
34		HEXANE	2.594	2.894	-11.6	89	-0.08
35		VINYL ACETATE	0.352	0.341	3.1	67	-0.09
36		1,1-DICHLOROETHANE	2.753	2.983	-8.4	87	-0.09
37		METHYL ETHYL KETONE	0.642	0.624	2.8	68	-0.09
38		cis-1,2-DICHLOROETHYLENE	1.580	1.522	3.7	81	-0.08
39		DI-ISOPROPYL ETHER	5.070	5.138	-1.3	74	-0.09
40		ETHYL ACETATE	0.414	0.416	-0.5	69	-0.09
41		CHLOROFORM	2.911	3.006	-3.3	84	-0.09
42		2,4-DIMETHYLPENTANE	3.086	3.495	-13.3	89	-0.08

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

43		1,1,1-TRICHLOROETHANE	2.967	2.965	0.1	82	-0.08
44		CARBON TETRACHLORIDE	3.079	3.115	-1.2	83	-0.06
45		1,2-DICHLOROETHANE	1.796	1.939	-8.0	83	-0.08
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	72	-0.07
47		BENZENE	0.949	1.080	-13.8	80	-0.07
48		CYCLOHEXANE	0.496	0.537	-8.3	83	-0.06
49		2,3-DIMETHYLPENTANE	0.240	0.294	-22.5	85	-0.06
50		TRICHLOROETHYLENE	0.397	0.454	-14.4	82	-0.06
51		1,2-DICHLOROPROPANE	0.341	0.394	-15.5	80	-0.07
52		BROMODICHLOROMETHANE	0.630	0.725	-15.1	78	-0.06
53		2,2,4-TRIMETHYLPENTANE	1.620	2.075	-28.1	85	0.01
54		1,4-DIOXANE	0.196	0.198	-1.0	68	-0.06
55		METHYL METHACRYLATE	0.290	0.304	-4.8	64	-0.06
56		HEPTANE	0.672	0.813	-21.0	90	-0.05
57	H	TVHC as EQUIV HEPTANE	3.082	3.293	-6.8	87	-0.06
58		METHYL ISOBUTYL KETONE	0.622	0.735	-18.2	71	-0.05
59		cis-1,3-DICHLOROPROPENE	0.509	0.571	-12.2	74	-0.06
60		TOLUENE	0.654	0.694	-6.1	72	-0.05
61		trans-1,3-DICHLOROPROPENE	0.423	0.470	-11.1	72	-0.05
62		1,1,2-TRICHLOROETHANE	0.290	0.322	-11.0	75	-0.05
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	74	-0.03
64		2-HEXANONE	1.185	1.322	-11.6	72	-0.05
65		TETRACHLOROETHYLENE	0.883	0.794	10.1	71	-0.03
66		DIBROMOCHLOROMETHANE	1.241	1.212	2.3	73	-0.05
67		1,2-DIBROMOETHANE	0.995	0.991	0.4	71	-0.04
68		OCTANE	1.581	1.934	-22.3	87	-0.03
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.871	4.4	73	-0.03
70		CHLOROBENZENE	1.680	1.627	3.2	73	-0.04
71		ETHYLBENZENE	2.619	2.569	1.9	69	-0.03
72		m,p-XYLENE	1.004	0.981	2.3	68	-0.03
73		o-XYLENE	0.949	0.931	1.9	68	-0.03
74		STYRENE	1.366	1.370	-0.3	64	-0.03
75		1,2,3-TRICHLOROPROPANE	0.974	0.979	-0.5	70	-0.03
76		NONANE	1.403	1.738	-23.9	81	-0.02
77		BROMOFORM	1.097	0.997	9.1	67	-0.03
78	S	4-BROMOFLUOROBENZENE	1.053	1.034	1.8	68	-0.02
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.199	-4.4	70	-0.03
80		ISOPROPYLBENZENE	2.672	2.609	2.4	67	-0.02
81		2-CHLOROTOLUENE	0.609	0.597	2.0	66	-0.02
82		n-PROPYLBENZENE	0.657	0.674	-2.6	64	-0.02
83		4-ETHYLTOLUENE	2.154	2.244	-4.2	64	-0.02
84		1,3,5-TRIMETHYLBENZENE	1.814	1.780	1.9	63	-0.02
85		TERT-BUTYLBENZENE	0.481	0.449	6.7	61	-0.02
86		1,2,4-TRIMETHYLBENZENE	1.654	1.718	-3.9	63	-0.02
87		m-DICHLOROBENZENE	1.018	1.036	-1.8	64	-0.02
88		BENZYL CHLORIDE	1.093	1.204	-10.2	61	-0.02
89		p-DICHLOROBENZENE	0.964	0.972	-0.8	64	-0.02
90		SEC-BUTYLBENZENE	0.533	0.511	4.1	61	-0.02
91		p-ISOPROPYLTOLUENE	0.501	0.492	1.8	60	-0.02
92		o-DICHLOROBENZENE	0.880	0.846	3.9	62	-0.02
93		n-BUTYLBENZENE	0.376	0.365	2.9	55	-0.02
94		HEXACHLOROBUTADIENE	0.271	0.246	9.2	62	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.204	1.9	64	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	74	-0.03
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45062
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W25853.D   MW1071.M         Wed Apr 21 16:43:14 2010   MSW
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GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27064.D Vial: 4
Acq On : 3 May 2010 2:31 pm Operator: yunxiac
Sample : ja45062-1 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 15:38:58 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

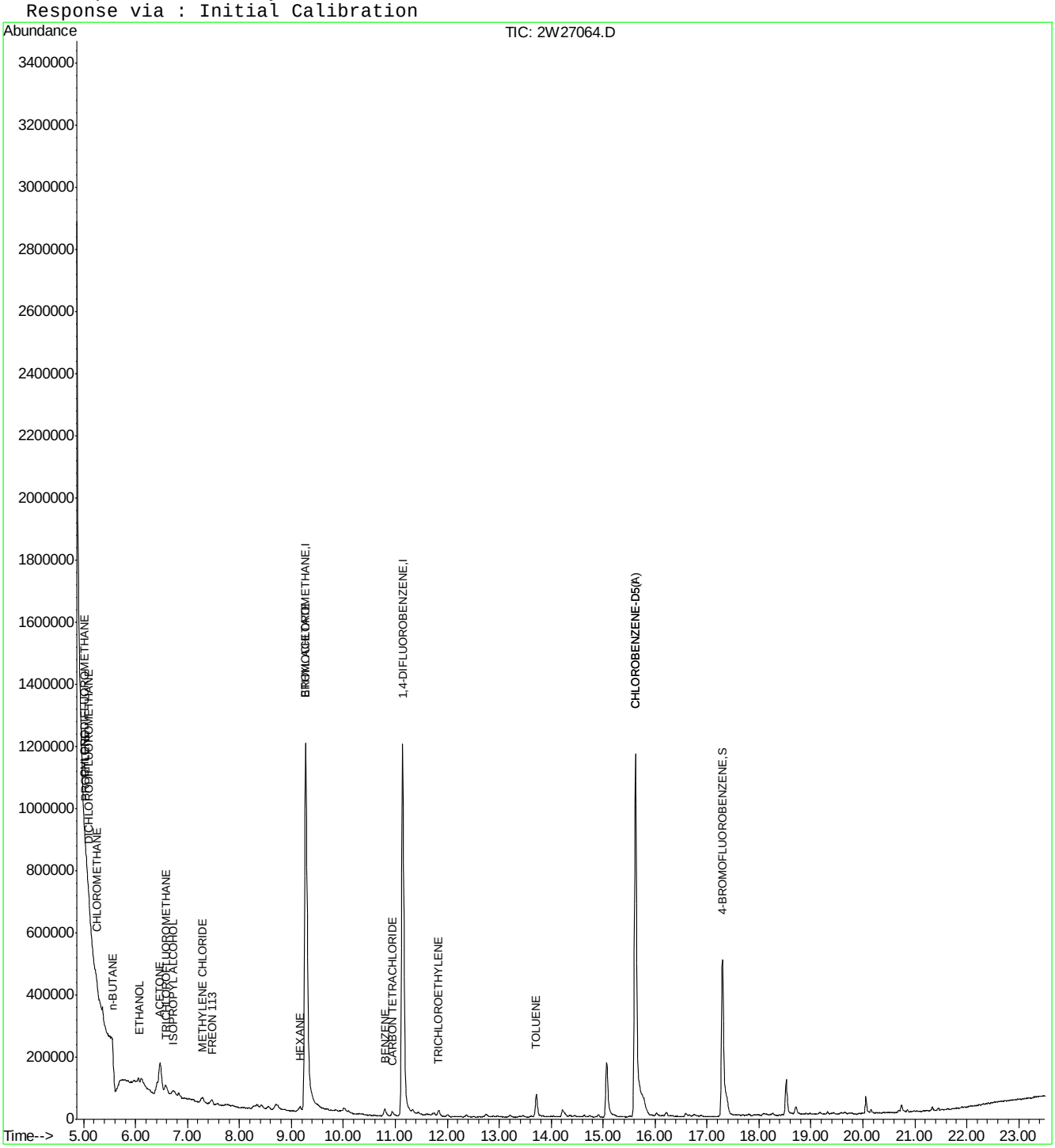
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	317950	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1573542	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	774143	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	773194	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	346491	4.31	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	108902	0.74	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	9132	0.55	PPBV	#	41
6) PROPYLENE	5.04	41	14391	0.23	PPBV	#	70
9) CHLOROMETHANE	5.25	52	16423	0.68	PPBV		91
12) n-BUTANE	5.57	43	43924	0.38	PPBV	#	95
17) TRICHLOROFLUOROMETHANE	6.59	101	52648	0.42	PPBV		98
18) ISOPROPYL ALCOHOL	6.74	45	62080	0.69	PPBV		71
19) ACETONE	6.47	58	90417	3.64	PPBV		99
25) ETHANOL	6.07	45	77854	3.10	PPBV		98
27) METHYLENE CHLORIDE	7.29	84	10604	0.24	PPBV		94
29) FREON 113	7.46	151	7295	0.12	PPBV		92
34) HEXANE	9.16	57	10588	0.12	PPBV	#	83
39) ETHYL ACETATE	9.27	61	201324	13.94	PPBV		97
43) CARBON TETRACHLORIDE	10.94	117	13779	0.13	PPBV		99
46) BENZENE	10.79	78	31996	0.20	PPBV		97
49) TRICHLOROETHYLENE	11.83	95	11747	0.19	PPBV		92
59) TOLUENE	13.72	92	52355	0.53	PPBV		93

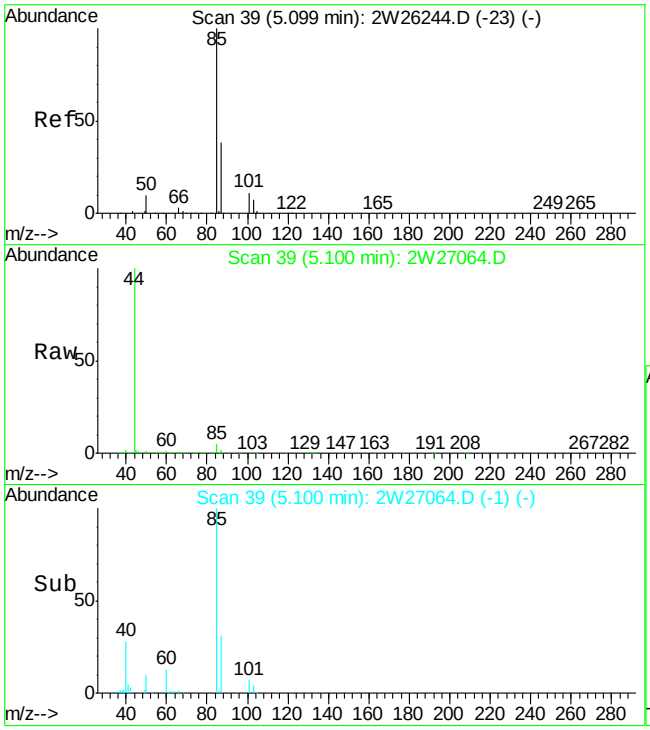
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27064.D Vial: 4
Acq On : 3 May 2010 2:31 pm Operator: yunxiac
Sample : ja45062-1 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:27 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

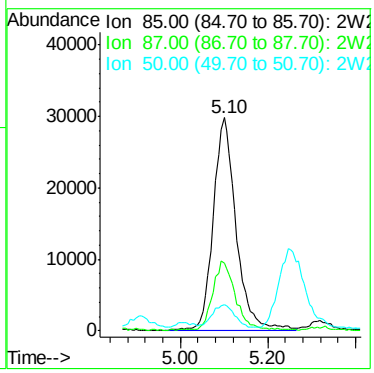


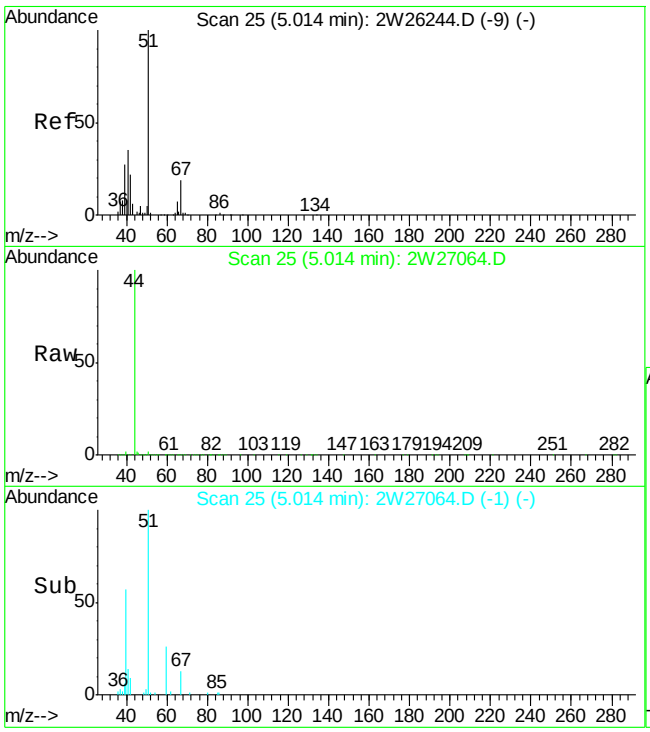


#3
DICHLORODIFLUOROMETHANE
Concen: 0.74 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 85 Resp: 108902

Ion	Ratio	Lower	Upper
85	100		
87	33.2	14.2	54.2
50	10.3	0.0	31.0

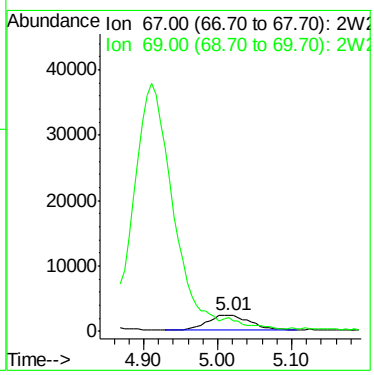




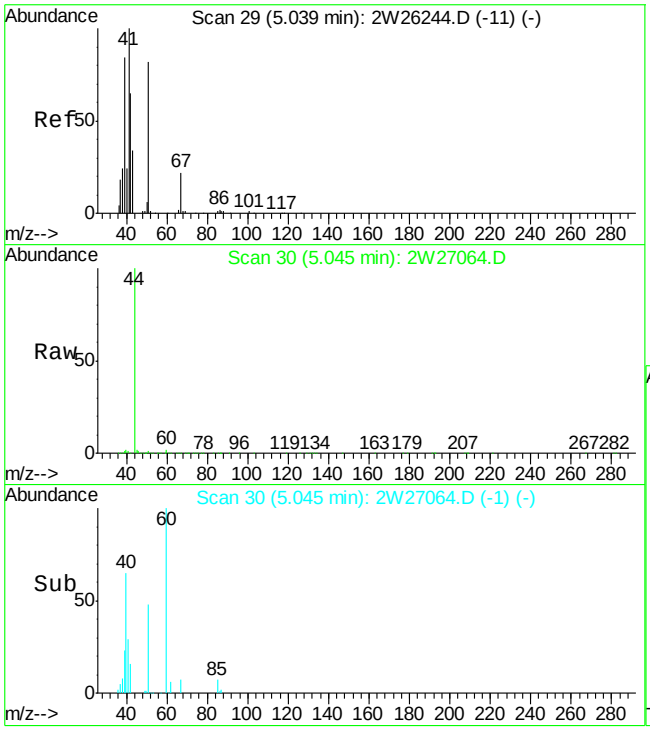
#5
CHLORODIFLUOROMETHANE
Concen: 0.55 PPBV
RT: 5.01 min Scan# 25
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 67 Resp: 9132

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#



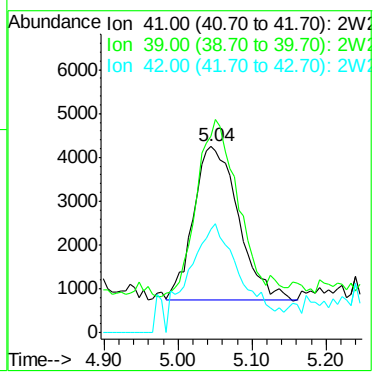
ACCUTEST Laboratories JA45062

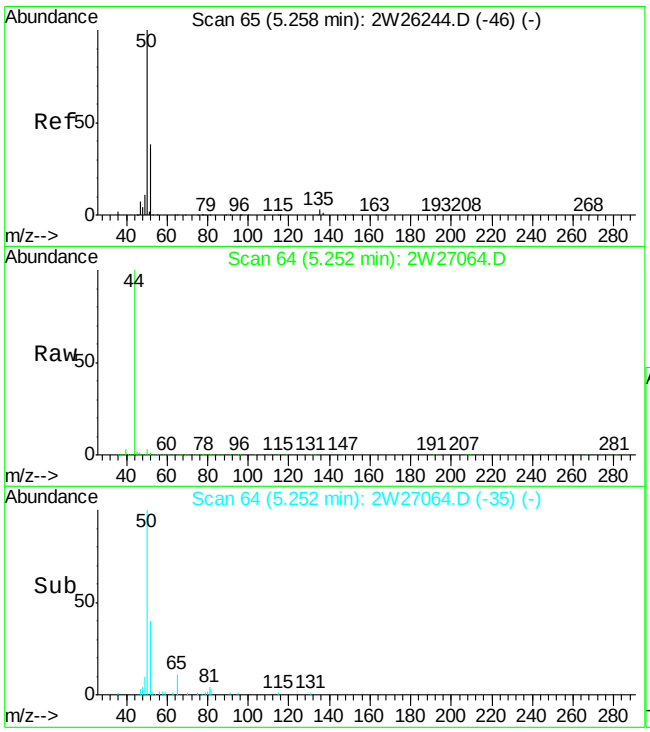


#6
PROPYLENE
Concen: 0.23 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 41 Resp: 14391

Ion	Ratio	Lower	Upper
41	100		
39	105.2	47.9	87.9#
42	55.7	47.3	87.3

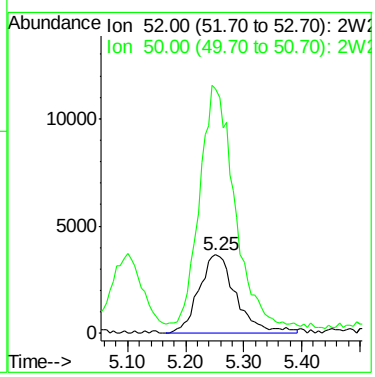


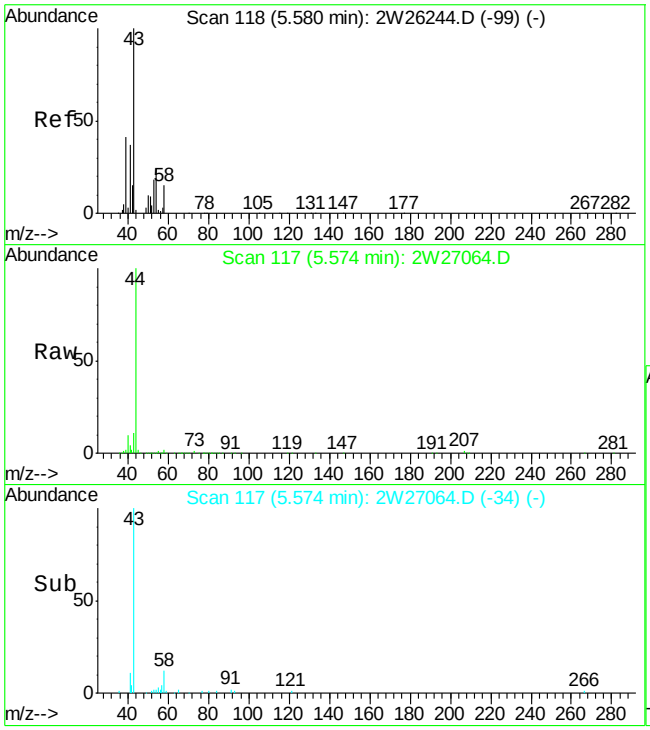


#9
CHLOROMETHANE
Concen: 0.68 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 52 Resp: 16423

Ion	Ratio	Lower	Upper
52	100		
50	305.8	268.7	308.7

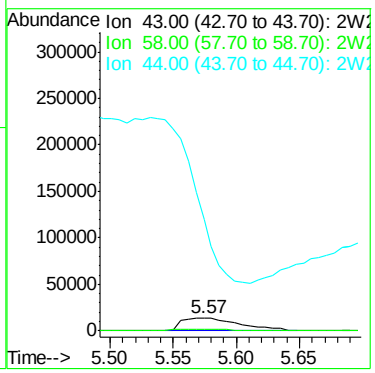


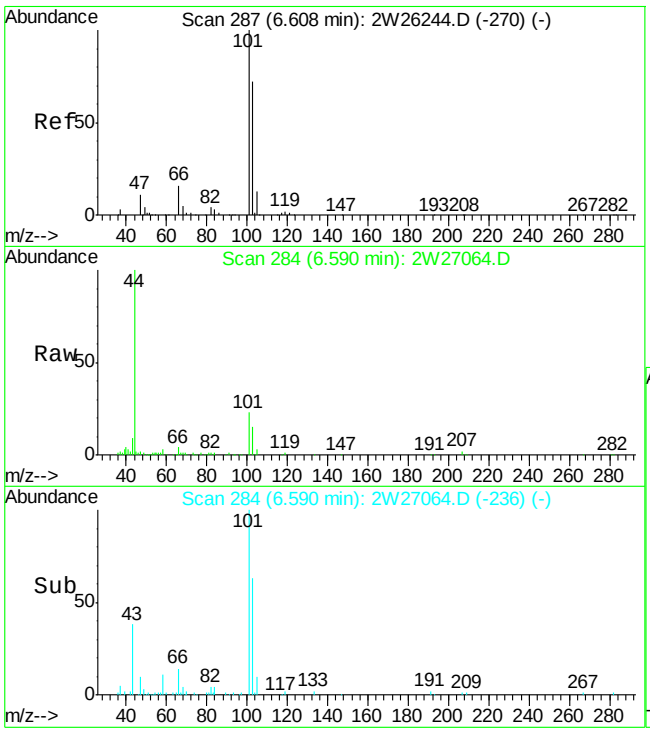


#12
n-BUTANE
Concen: 0.38 PPBV
RT: 5.57 min Scan# 117
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 43 Resp: 43924

Ion	Ratio	Lower	Upper
43	100		
58	14.7	10.6	15.8
44	0.0	2.3	3.5#

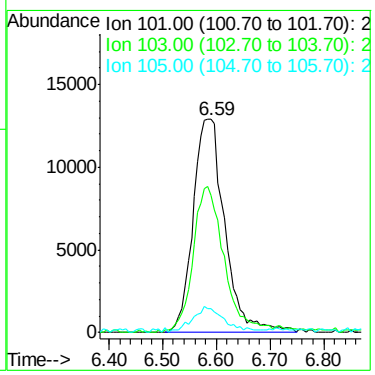


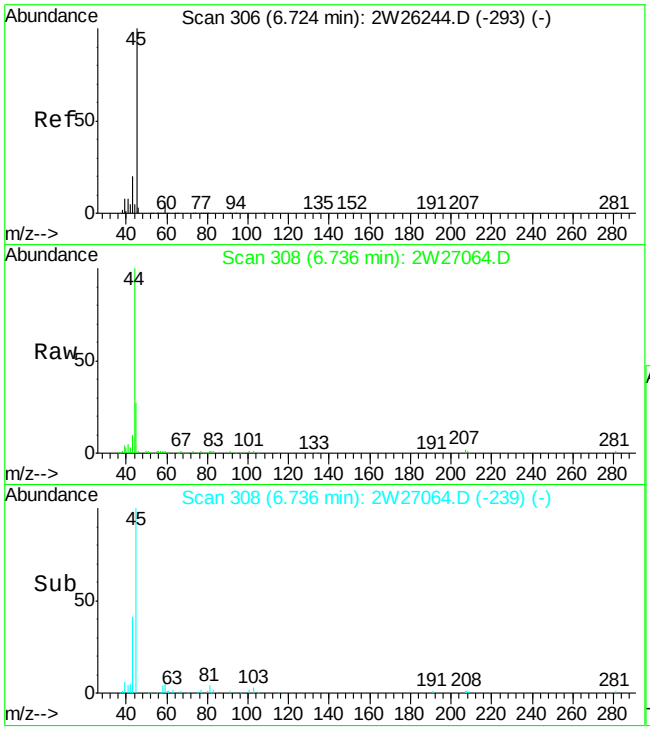


#17
TRICHLOROFLUOROMETHANE
Concen: 0.42 PPBV
RT: 6.59 min Scan# 284
Delta R.T. 0.02 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion:101 Resp: 52648

Ion	Ratio	Lower	Upper
101	100		
103	68.0	46.7	86.7
105	12.5	0.0	31.2

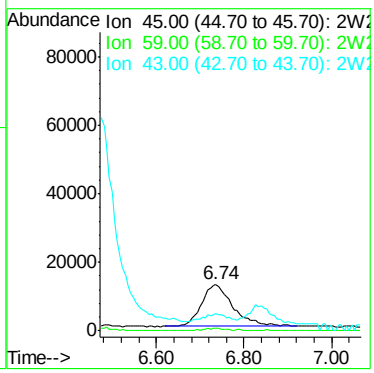


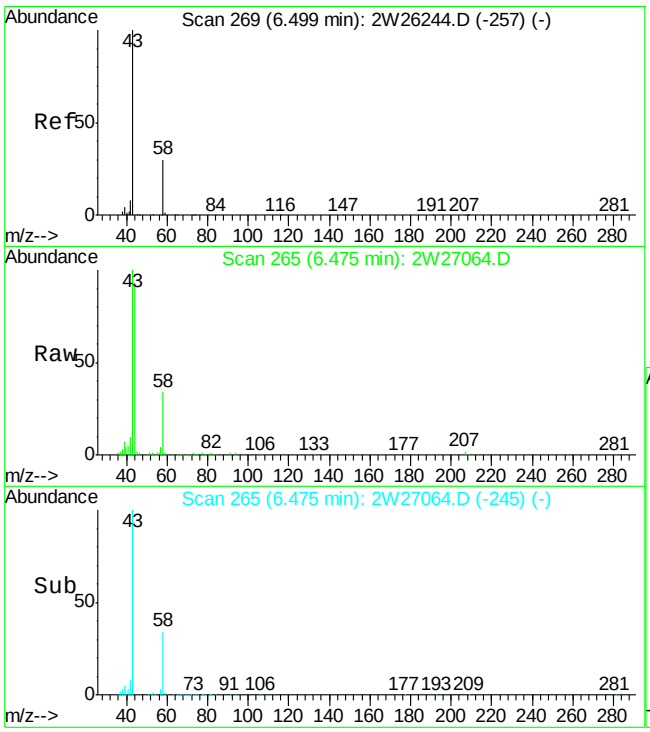


#18
ISOPROPYL ALCOHOL
Concen: 0.69 PPBV
RT: 6.74 min Scan# 308
Delta R.T. 0.07 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 45 Resp: 62080

Ion	Ratio	Lower	Upper
45	100		
59	4.9	0.0	24.1
43	35.9	0.2	40.2

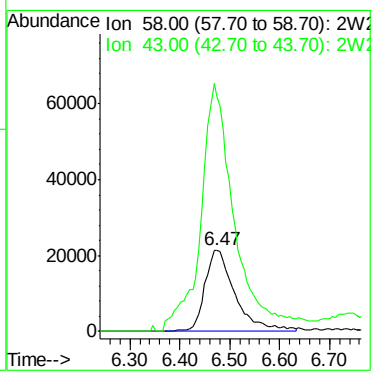


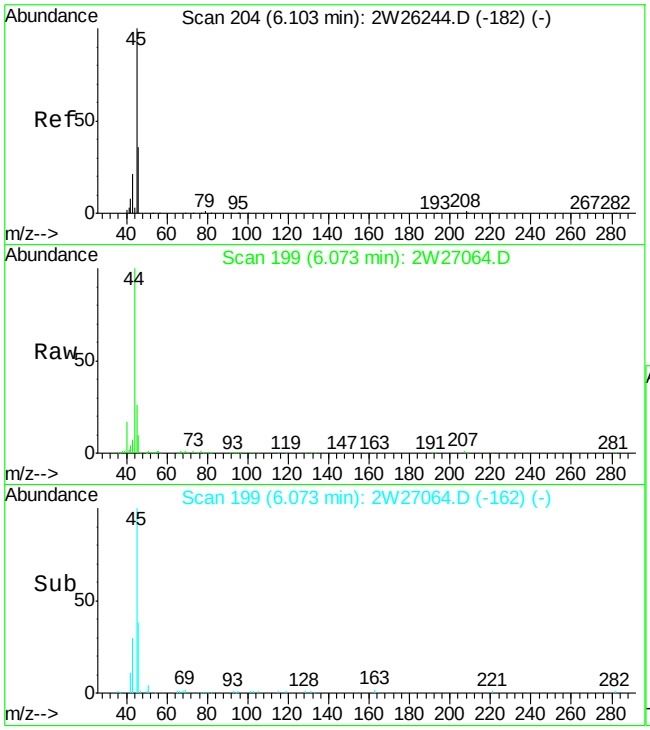


#19
ACETONE
Concen: 3.64 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 58 Resp: 90417

Ion	Ratio	Lower	Upper
58	100		
43	337.8	315.8	355.8

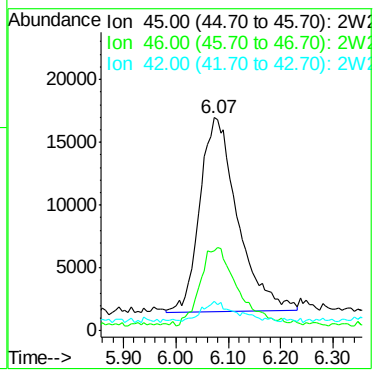


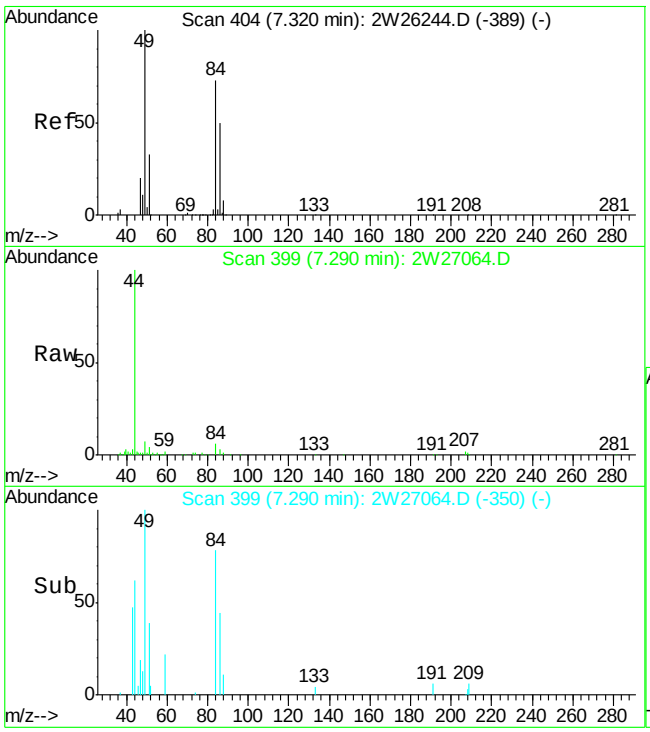


#25
ETHANOL
Concen: 3.10 PPBV
RT: 6.07 min Scan# 199
Delta R.T. 0.02 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 45 Resp: 77854

Ion	Ratio	Lower	Upper
45	100		
46	40.2	9.3	69.3
42	9.0	0.0	37.7

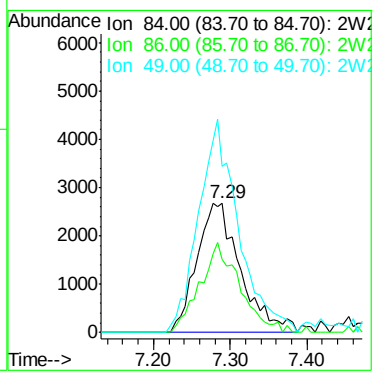


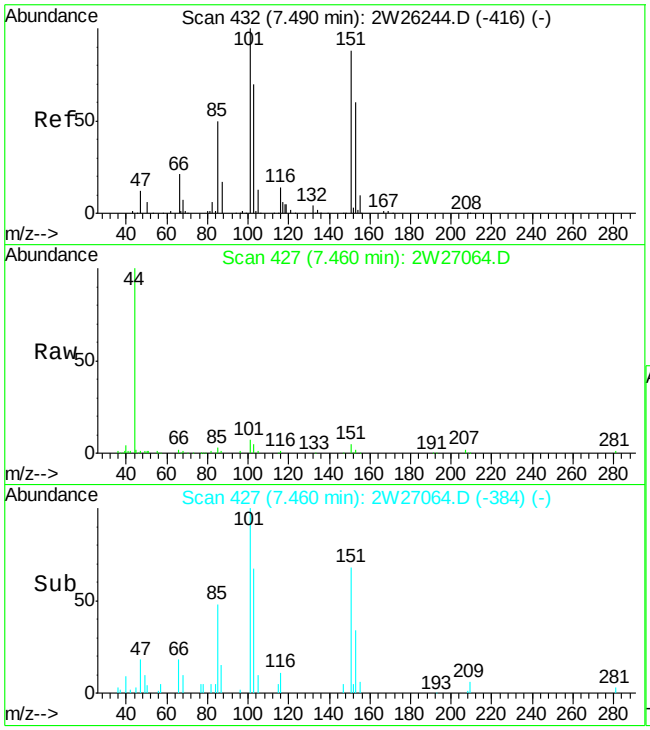


#27
METHYLENE CHLORIDE
Concen: 0.24 PPBV
RT: 7.29 min Scan# 399
Delta R.T. 0.02 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 84 Resp: 10604

Ion	Ratio	Lower	Upper
84	100		
86	63.2	44.9	84.9
49	150.5	0.0	360.7

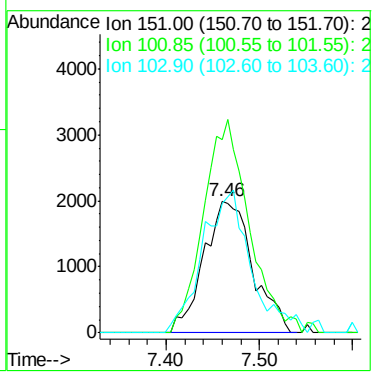


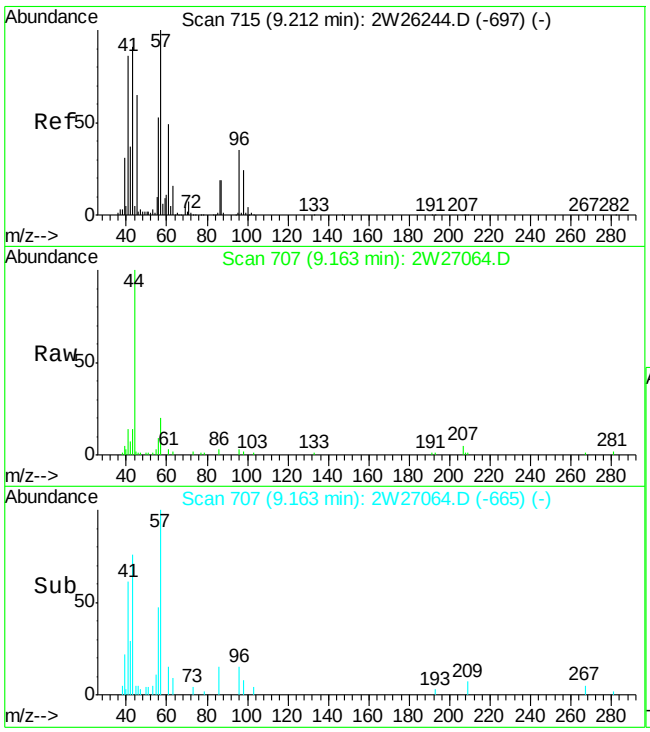


#29
FREON 113
Concen: 0.12 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion:151 Resp: 7295

Ion	Ratio	Lower	Upper
151	100		
101	151.5	124.8	164.8
103	106.8	75.2	115.2

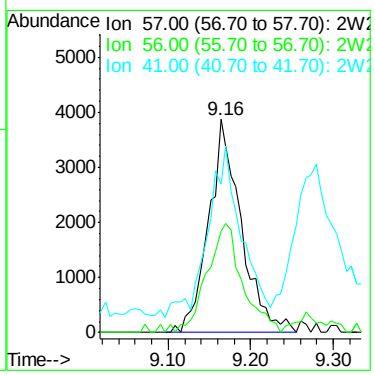


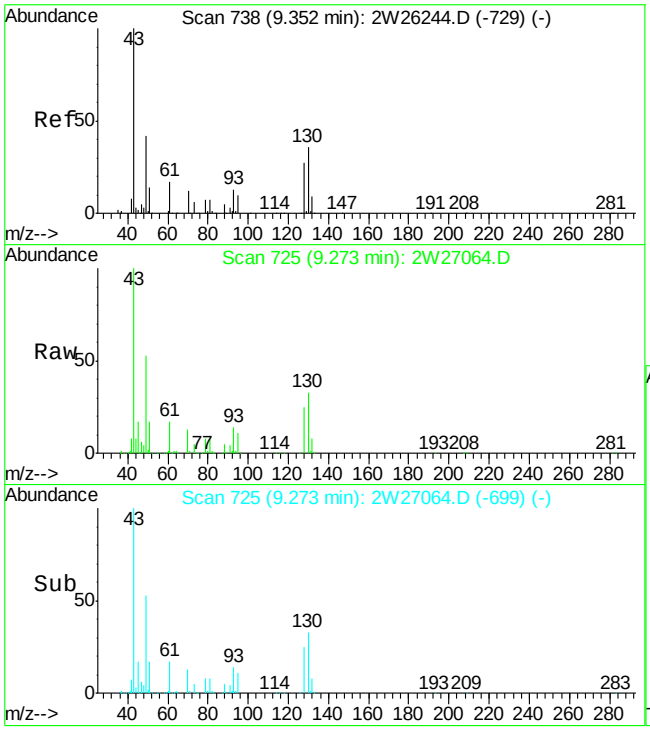


#34
HEXANE
Concen: 0.12 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 57 Resp: 10588

Ion	Ratio	Lower	Upper
57	100		
56	55.5	32.4	72.4
41	73.8	77.6	117.6#

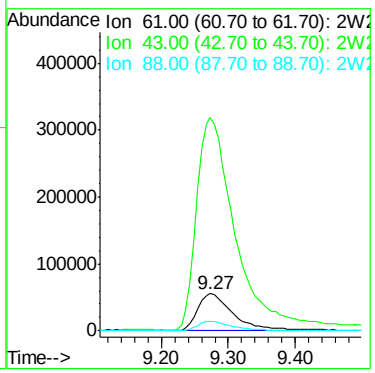


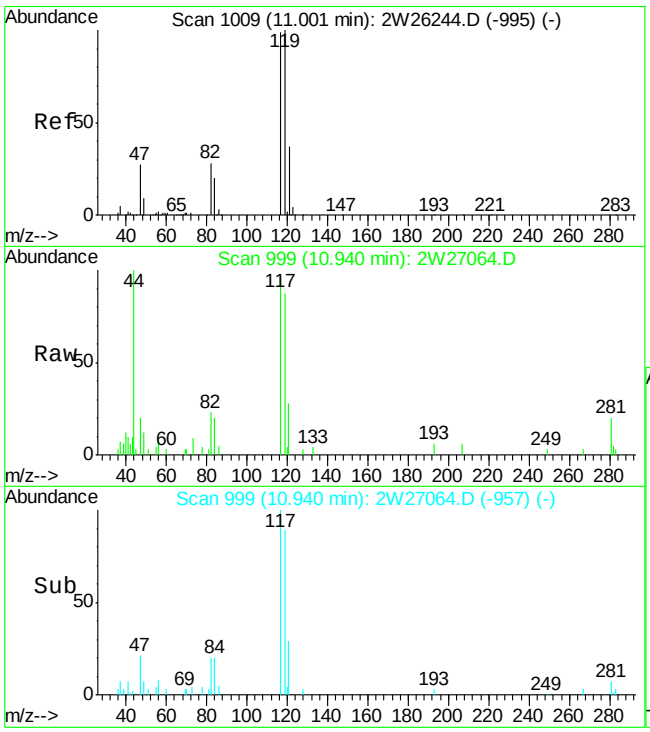


#39
ETHYL ACETATE
Concen: 13.94 PPBV
RT: 9.27 min Scan# 725
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 61 Resp: 201324

Ion	Ratio	Lower	Upper
61	100		
43	617.4	606.5	646.5
88	25.8	4.8	44.8

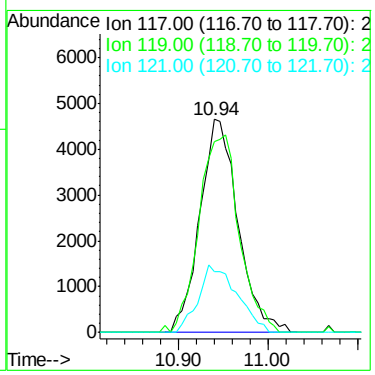


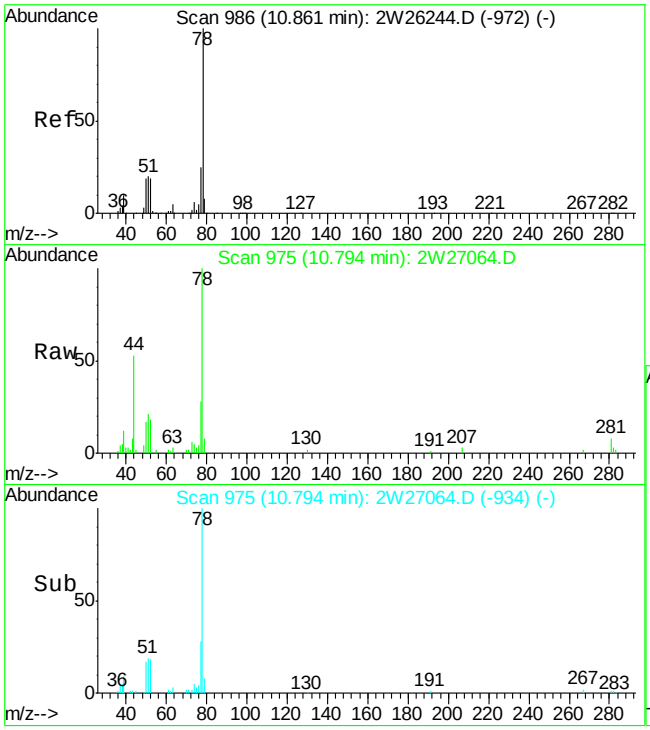


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion:117 Resp: 13779

Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.0	118.0
121	31.7	12.8	52.8

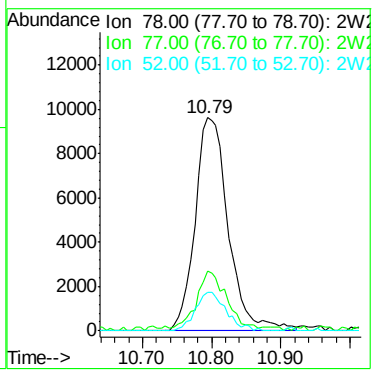


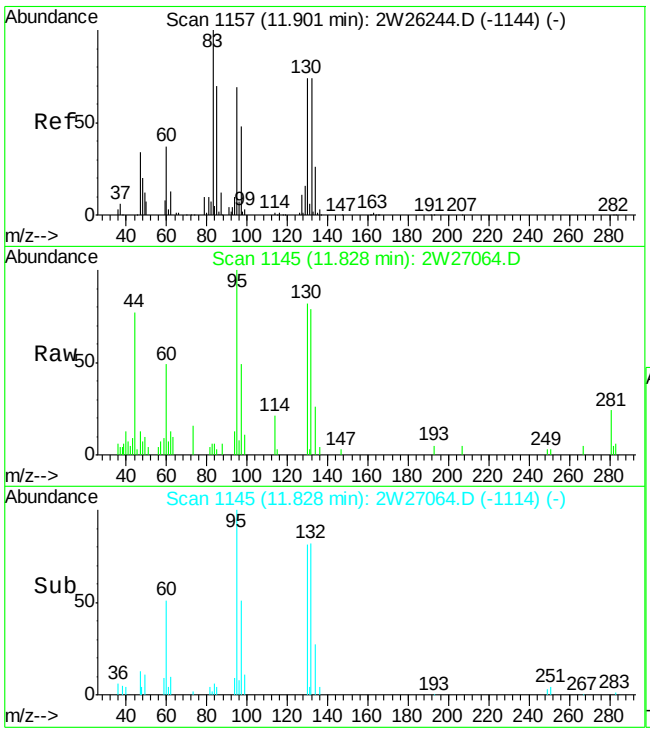


#46
BENZENE
Concen: 0.20 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 78 Resp: 31996

Ion	Ratio	Lower	Upper
78	100		
77	26.9	4.9	44.9
52	16.9	0.0	37.9

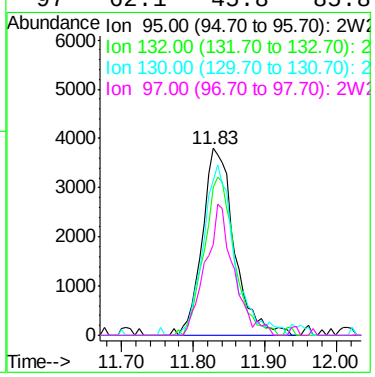


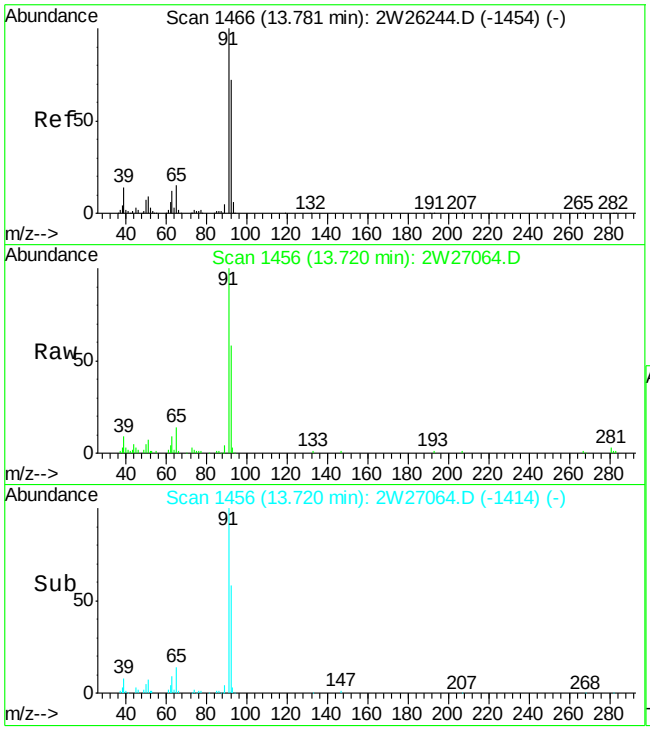


#49
TRICHLOROETHYLENE
Concen: 0.19 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 95 Resp: 11747

Ion	Ratio	Lower	Upper
95	100		
132	81.1	72.7	112.7
130	88.3	75.6	115.6
97	62.1	45.8	85.8

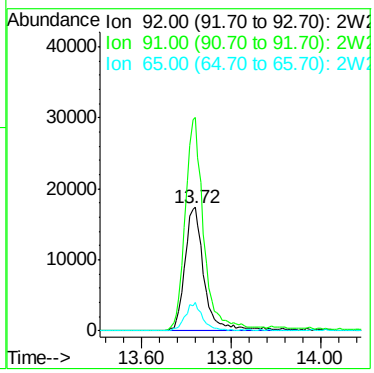




#59
TOLUENE
Concen: 0.53 PPBV
RT: 13.72 min Scan# 1456
Delta R.T. 0.01 min
Lab File: 2W27064.D
Acq: 3 May 2010 2:31 pm

Tgt Ion: 92 Resp: 52355

Ion	Ratio	Lower	Upper
92	100		
91	167.4	136.6	176.6
65	20.6	0.9	40.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/05/10 05:50

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27084.D Vial: 8
Acq On : 4 May 2010 6:57 am Operator: yunxiac
Sample : ja45062-2 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:12:36 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

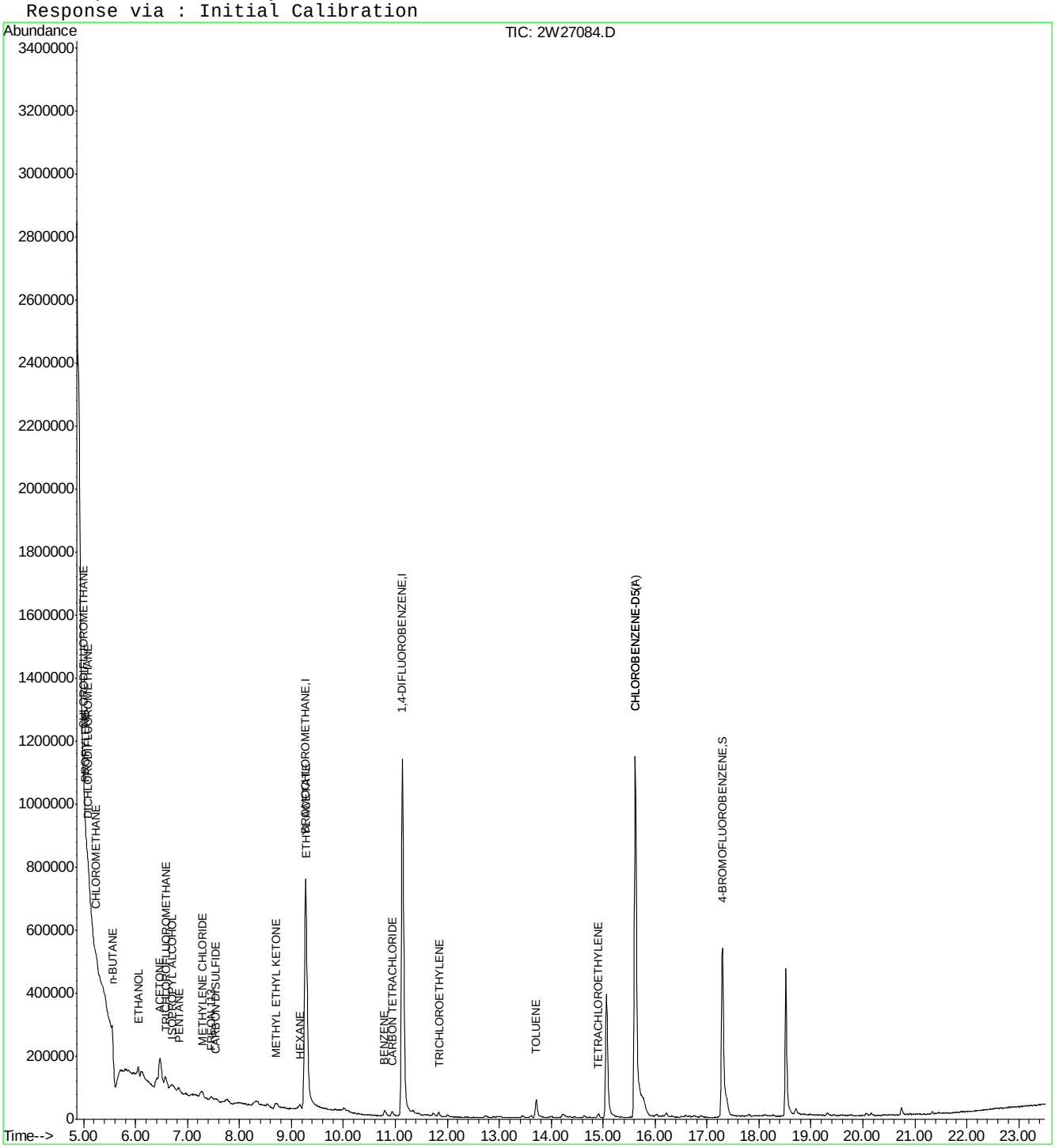
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	295287	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1377787	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	760899	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	761294	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	349995	4.43	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 88.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	105048	0.77	PPBV		96
5) CHLORODIFLUOROMETHANE	5.00	67	17539	1.13	PPBV	#	41
6) PROPYLENE	5.04	41	15063	0.26	PPBV	#	69
9) CHLOROMETHANE	5.24	52	15787	0.70	PPBV		99
12) n-BUTANE	5.56	43	53745	0.50	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	67756	0.59	PPBV		98
18) ISOPROPYL ALCOHOL	6.72	45	44862m	0.53	PPBV		
19) ACETONE	6.47	58	80165	3.47	PPBV	#	79
20) PENTANE	6.84	42	13559	0.22	PPBV		88
24) CARBON DISULFIDE	7.53	76	15750	0.12	PPBV	#	1
25) ETHANOL	6.07	45	82948	3.56	PPBV		99
27) METHYLENE CHLORIDE	7.28	84	12887	0.31	PPBV		87
29) FREON 113	7.45	151	5752	0.10	PPBV	#	75
34) HEXANE	9.16	57	8774	0.11	PPBV		93
37) METHYL ETHYL KETONE	8.70	72	6697	0.32	PPBV	#	60
39) ETHYL ACETATE	9.29	61	24624	1.84	PPBV	#	62
43) CARBON TETRACHLORIDE	10.94	117	12816	0.13	PPBV		97
46) BENZENE	10.80	78	22674	0.16	PPBV		99
49) TRICHLOROETHYLENE	11.83	95	6923	0.12	PPBV		91
59) TOLUENE	13.71	92	37599	0.43	PPBV		88
64) TETRACHLOROETHYLENE	14.91	164	3190	0.06	PPBV		92

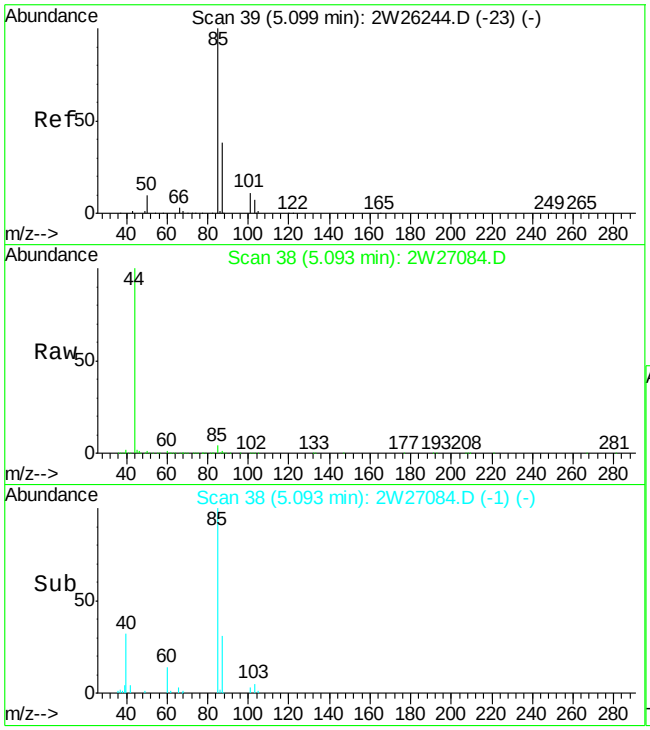
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27084.D Vial: 8
Acq On : 4 May 2010 6:57 am Operator: yunxiac
Sample : ja45062-2 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:12 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

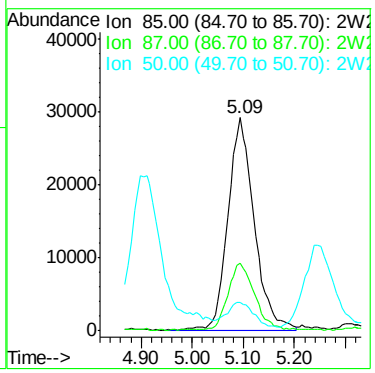


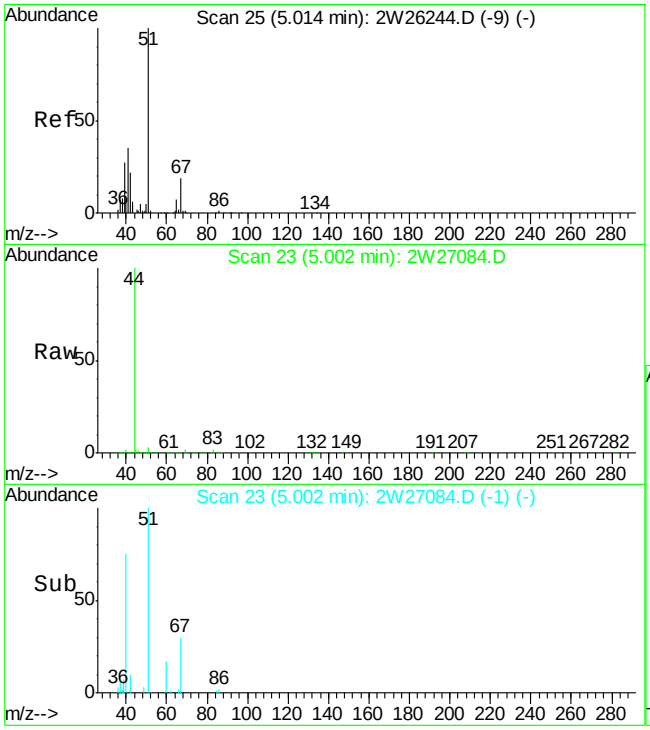


#3
DICHLORODIFLUOROMETHANE
Concen: 0.77 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 85 Resp: 105048

Ion	Ratio	Lower	Upper
85	100		
87	31.2	14.2	54.2
50	11.3	0.0	31.0

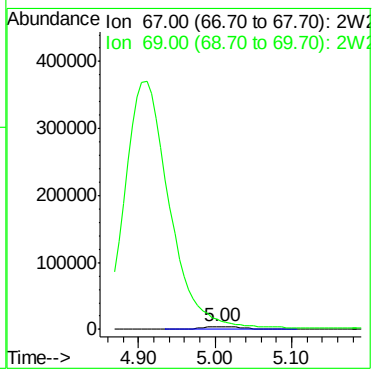


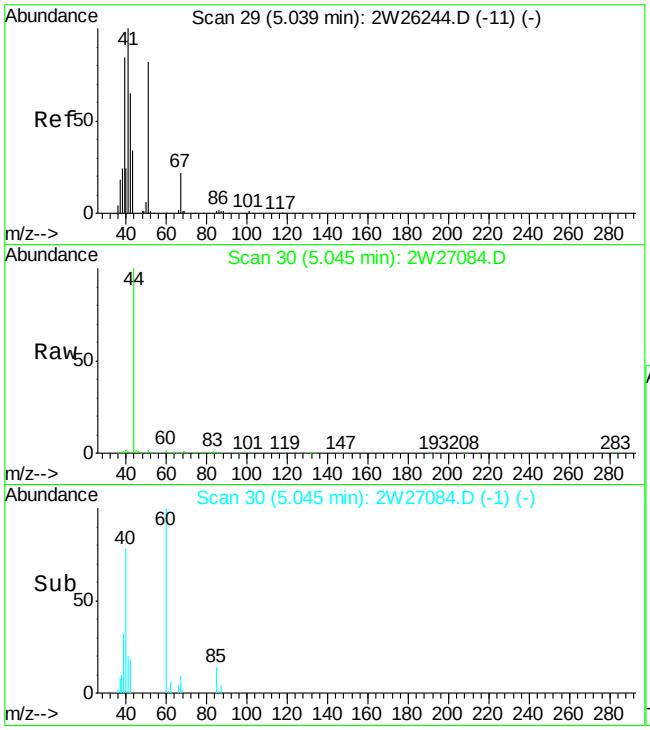


#5
CHLORODIFLUOROMETHANE
Concen: 1.13 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 67 Resp: 17539

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

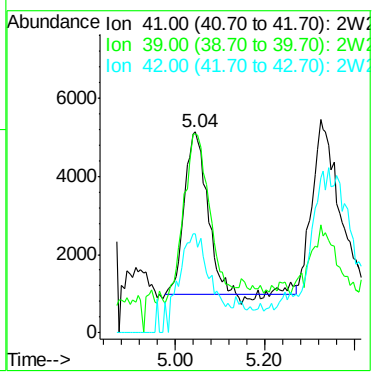


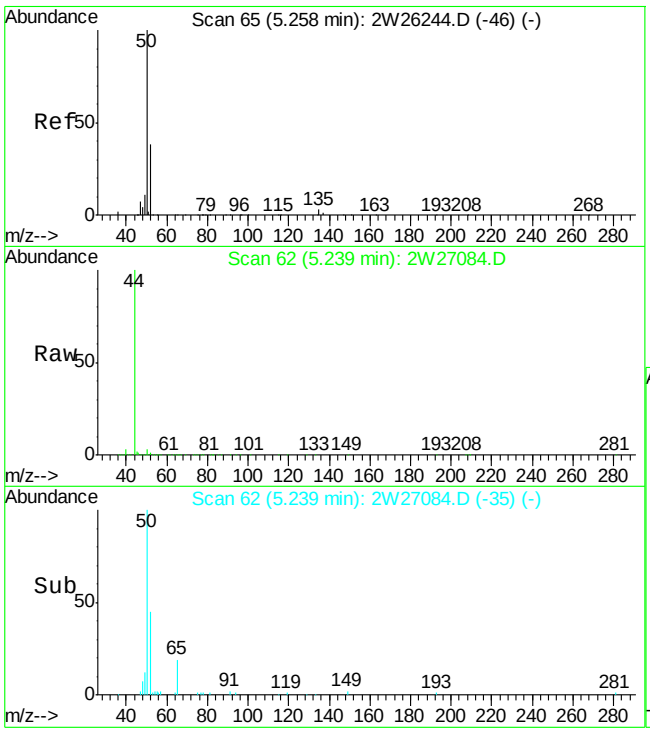


#6
PROPYLENE
Concen: 0.26 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 41 Resp: 15063

Ion	Ratio	Lower	Upper
41	100		
39	99.2	47.9	87.9#
42	49.5	47.3	87.3

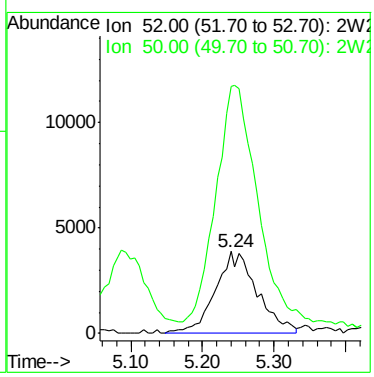


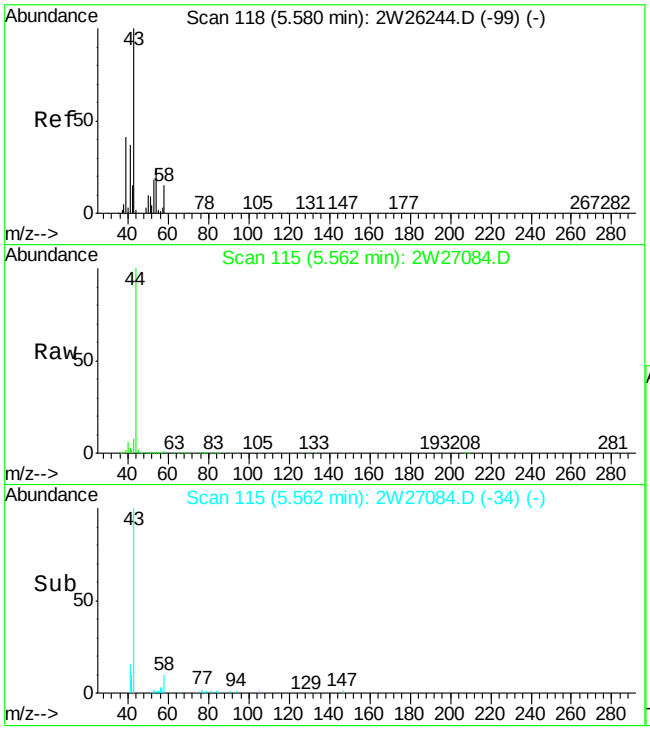


#9
CHLOROMETHANE
Concen: 0.70 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 52 Resp: 15787

Ion	Ratio	Lower	Upper
52	100		
50	285.9	268.7	308.7

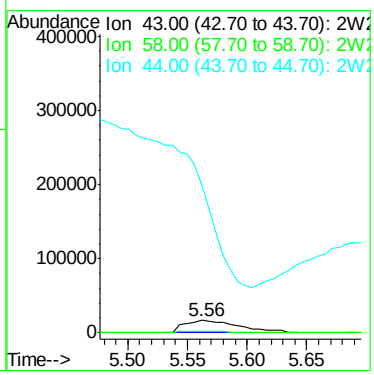


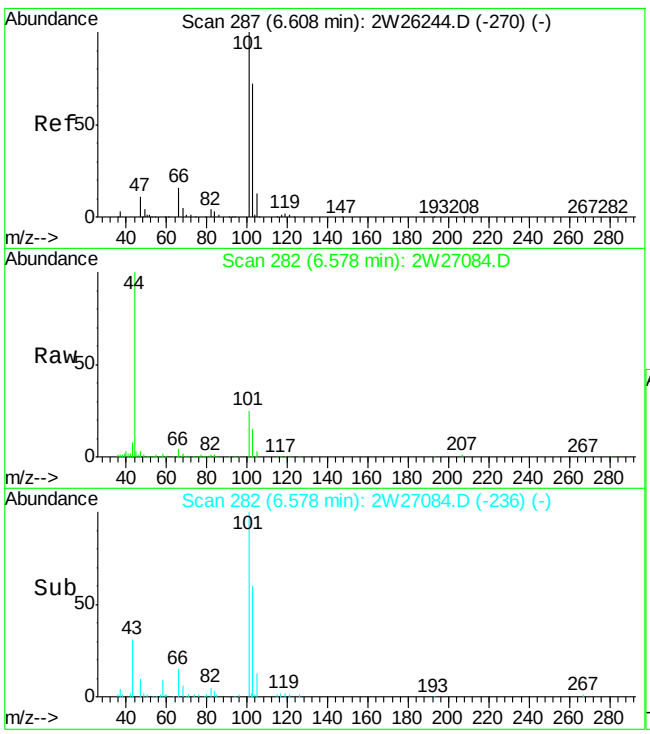


#12
n-BUTANE
Concen: 0.50 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 43 Resp: 53745

Ion	Ratio	Lower	Upper
43	100		
58	12.9	10.6	15.8
44	0.0	2.3	3.5#

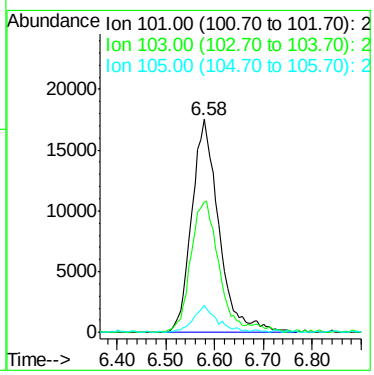


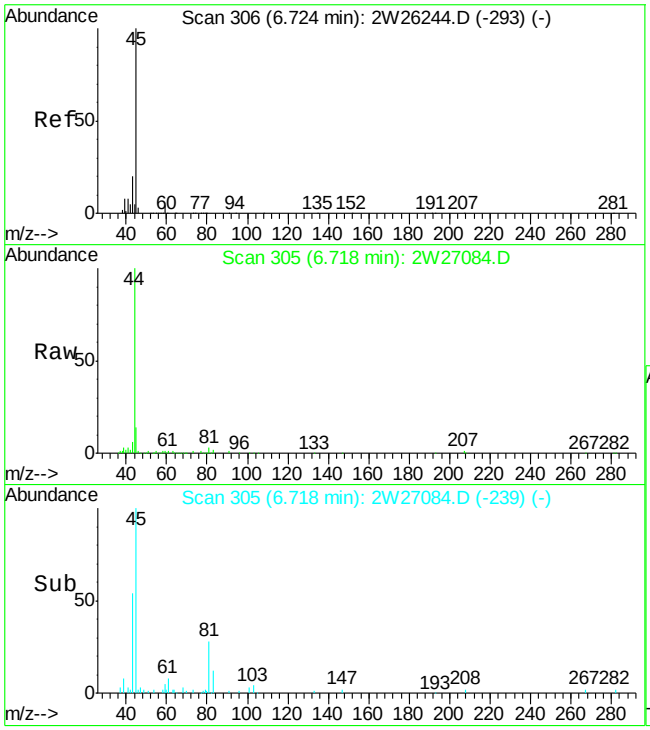


#17
TRICHLOROFLUOROMETHANE
Concen: 0.59 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion:101 Resp: 67756

Ion	Ratio	Lower	Upper
101	100		
103	65.4	46.7	86.7
105	11.6	0.0	31.2

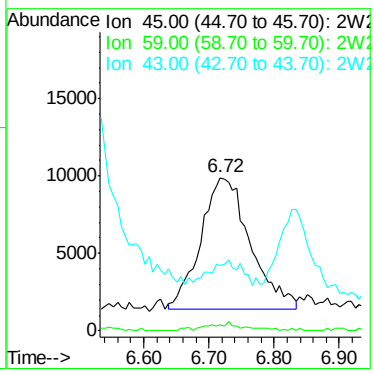


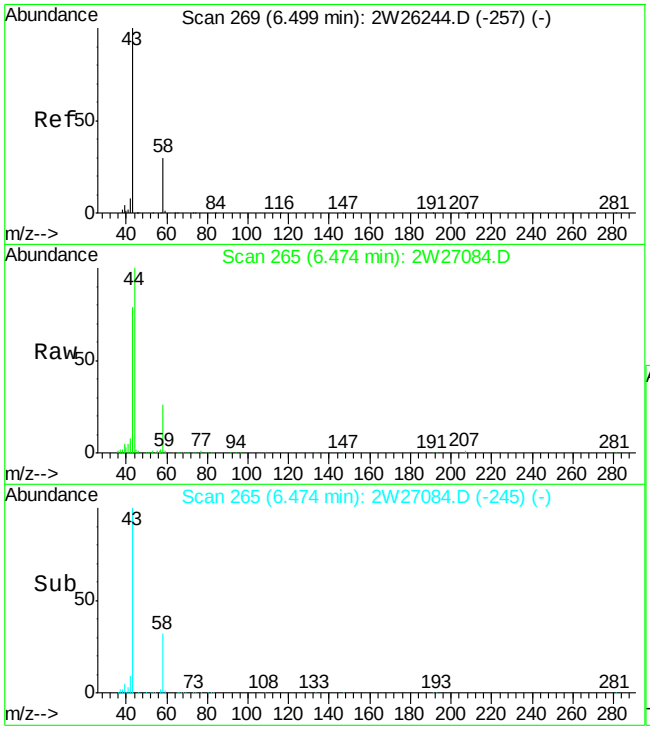


#18
ISOPROPYL ALCOHOL
Concen: 0.53 PPBV m
RT: 6.72 min Scan# 305
Delta R.T. 0.05 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 45 Resp: 44862

Ion	Ratio	Lower	Upper
45	100		
59	3.9	0.0	24.1
43	42.7	0.2	40.2#

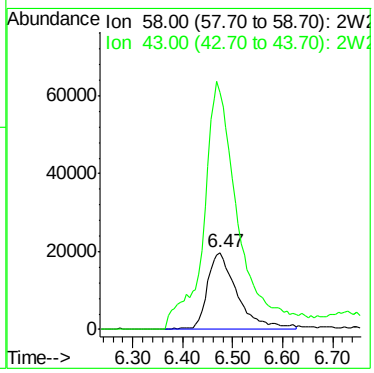


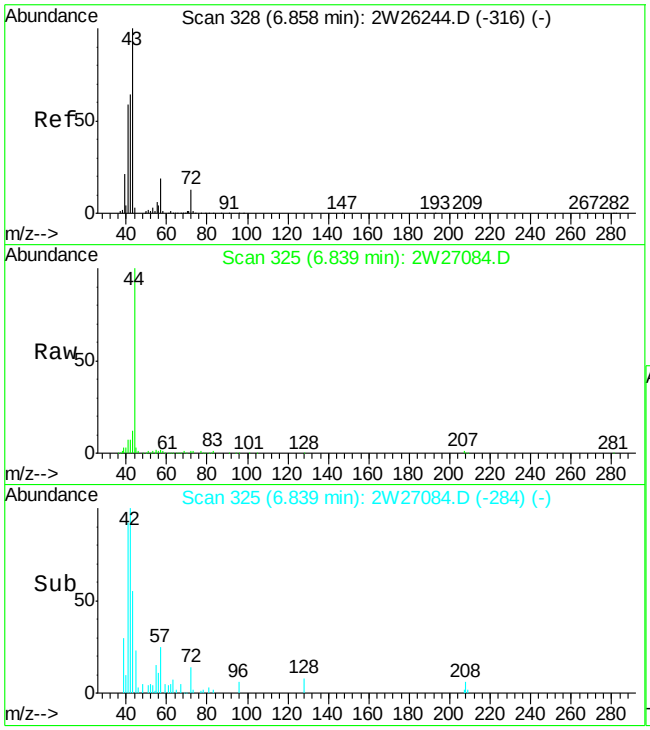


#19
ACETONE
Concen: 3.47 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 58 Resp: 80165

Ion	Ratio	Lower	Upper
58	100		
43	380.2	315.8	355.8#

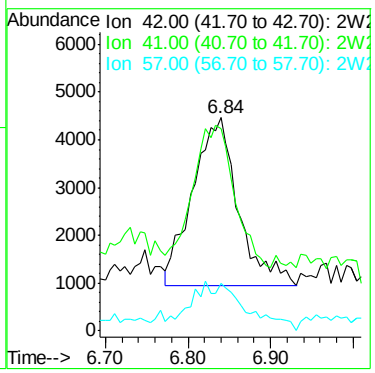


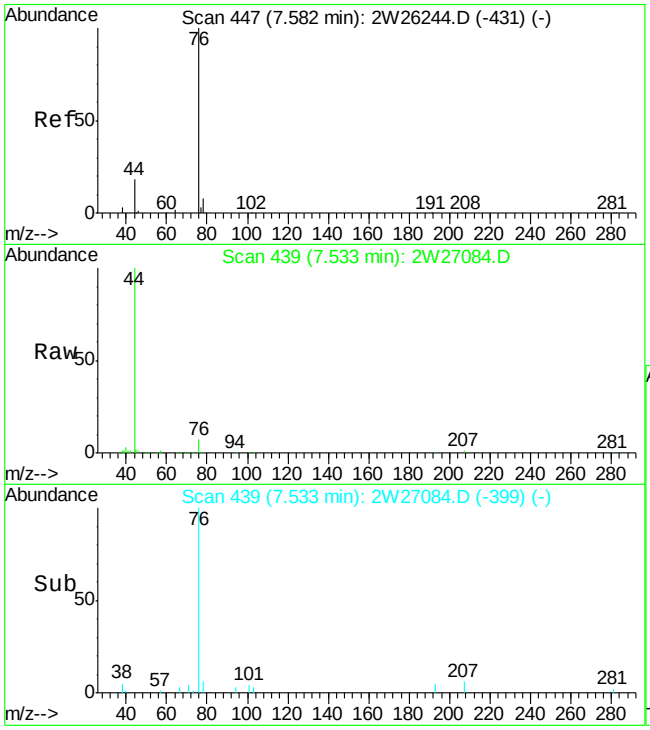


#20
PENTANE
Concen: 0.22 PPBV
RT: 6.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 42 Resp: 13559

Ion	Ratio	Lower	Upper
42	100		
41	77.5	67.5	107.5
57	33.4	6.1	46.1

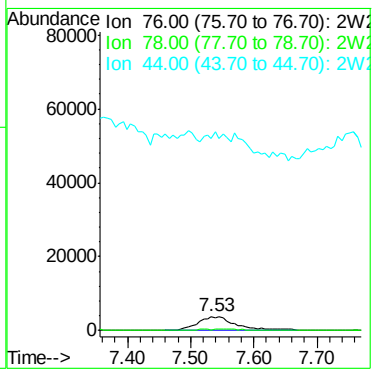


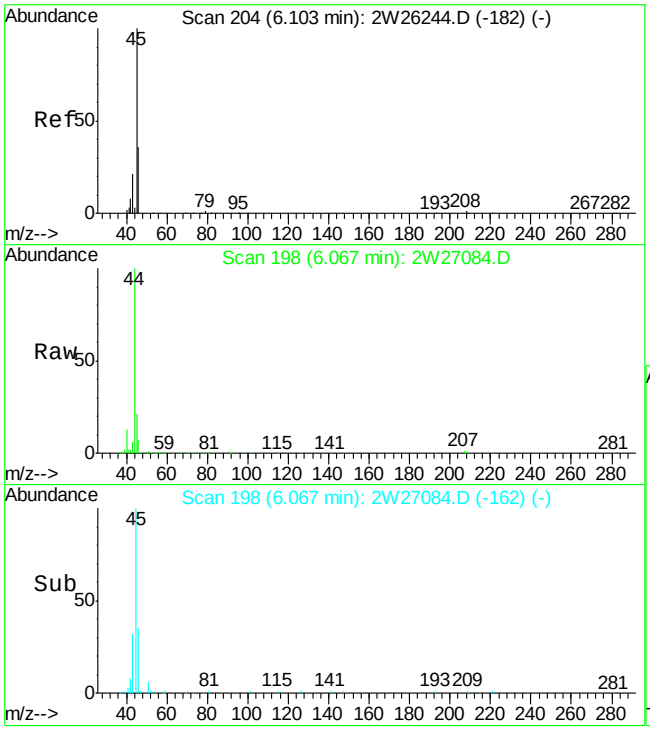


#24
CARBON DISULFIDE
Concen: 0.12 PPBV
RT: 7.53 min Scan# 439
Delta R.T. -0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 76 Resp: 15750

Ion	Ratio	Lower	Upper
76	100		
78	4.1	0.0	29.2
44	167.3	0.0	33.9#

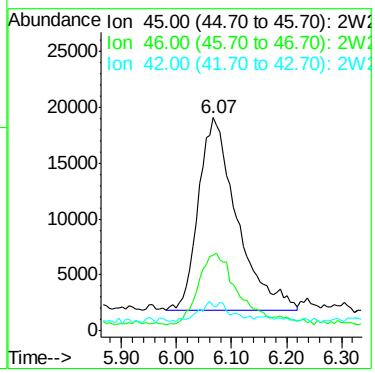


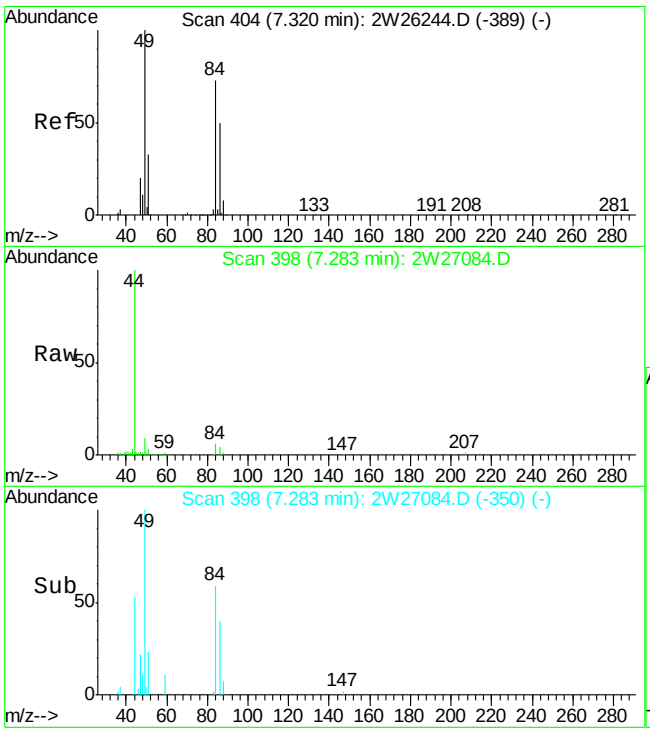


#25
ETHANOL
Concen: 3.56 PPBV
RT: 6.07 min Scan# 198
Delta R.T. 0.02 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 45 Resp: 82948

Ion	Ratio	Lower	Upper
45	100		
46	39.3	9.3	69.3
42	10.7	0.0	37.7

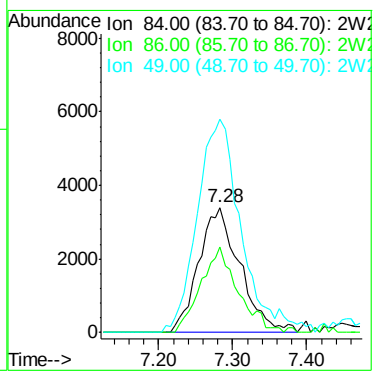


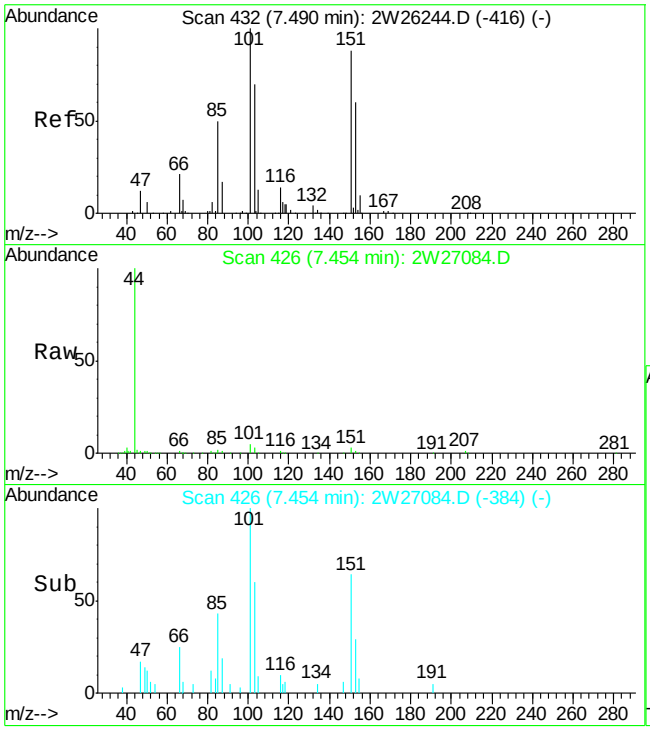


#27
METHYLENE CHLORIDE
Concen: 0.31 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 84 Resp: 12887

Ion	Ratio	Lower	Upper
84	100		
86	61.9	44.9	84.9
49	182.4	0.0	360.7

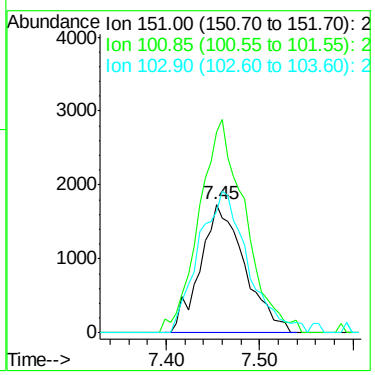


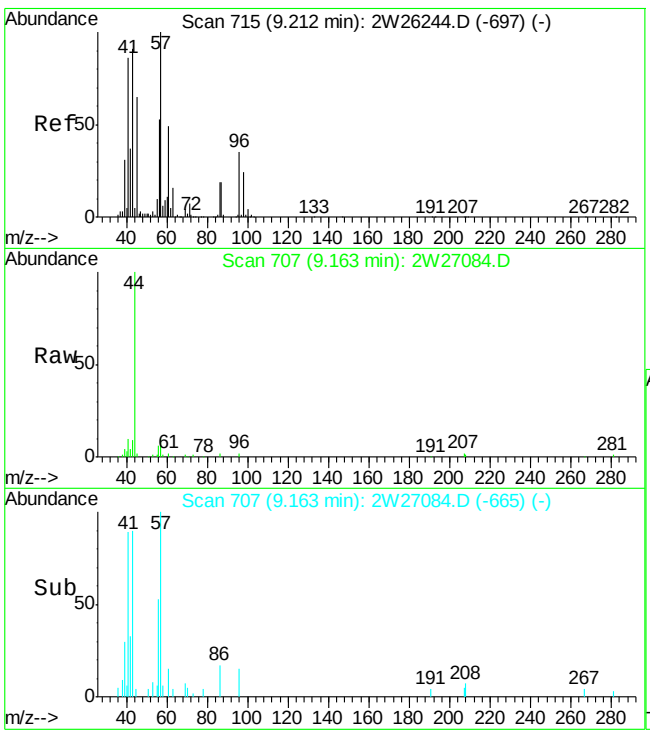


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.45 min Scan# 426
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion:151 Resp: 5752

Ion	Ratio	Lower	Upper
151	100		
101	172.7	124.8	164.8#
103	122.0	75.2	115.2#

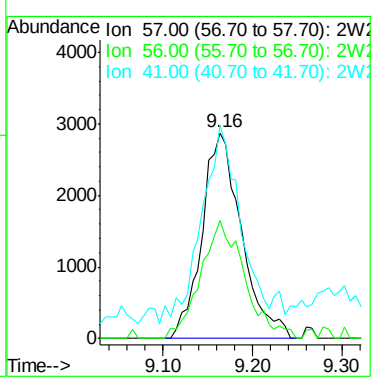


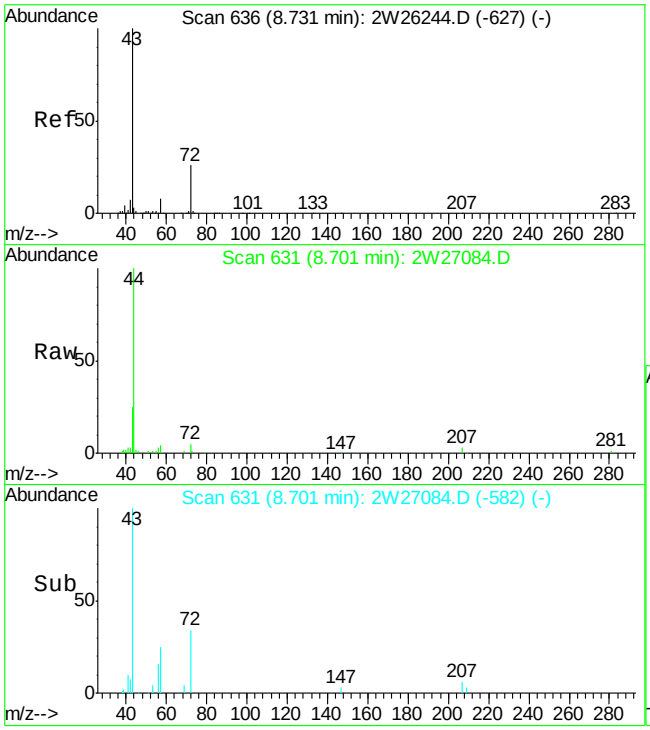


#34
HEXANE
Concen: 0.11 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 57 Resp: 8774

Ion	Ratio	Lower	Upper
57	100		
56	63.9	32.4	72.4
41	95.2	77.6	117.6

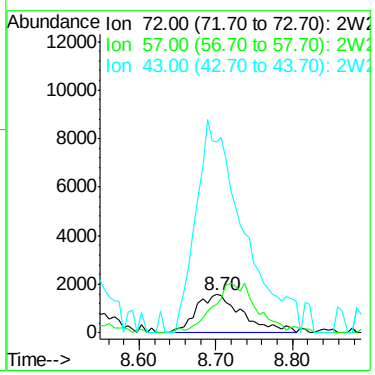


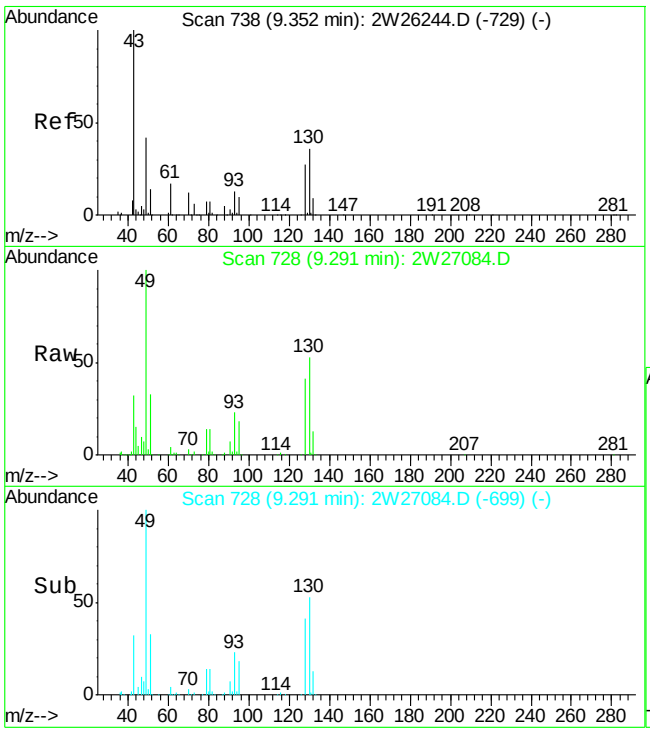


#37
METHYL ETHYL KETONE
Concen: 0.32 PPBV
RT: 8.70 min Scan# 631
Delta R.T. 0.05 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 72 Resp: 6697

Ion	Ratio	Lower	Upper
72	100		
57	75.0	13.8	53.8#
43	499.1	389.3	429.3#

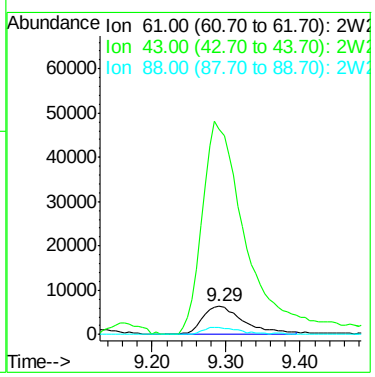


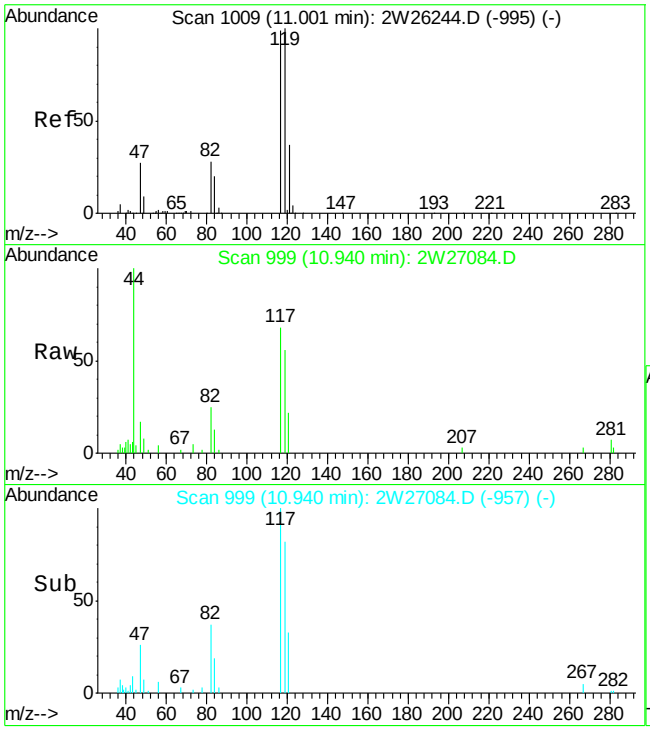


#39
ETHYL ACETATE
Concen: 1.84 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 61 Resp: 24624

Ion	Ratio	Lower	Upper
61	100		
43	754.0	606.5	646.5#
88	24.3	4.8	44.8

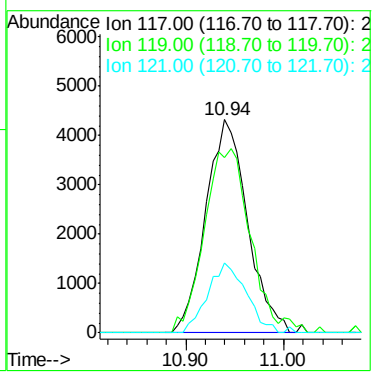


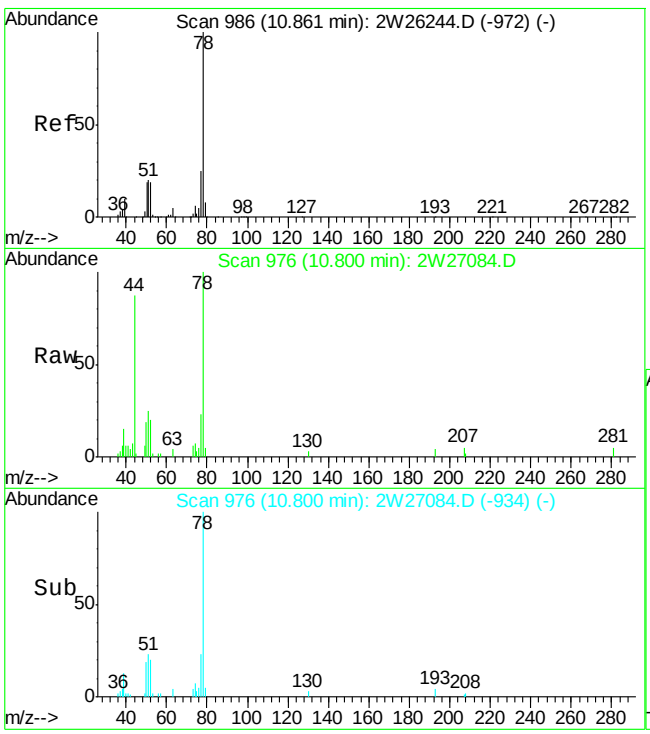


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion:117 Resp: 12816

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.0	118.0
121	30.3	12.8	52.8

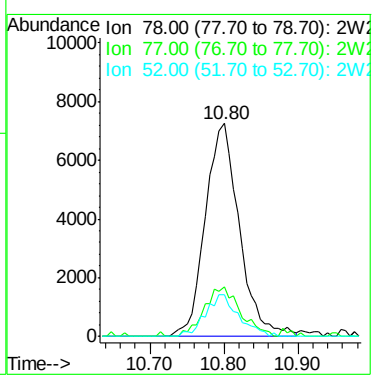


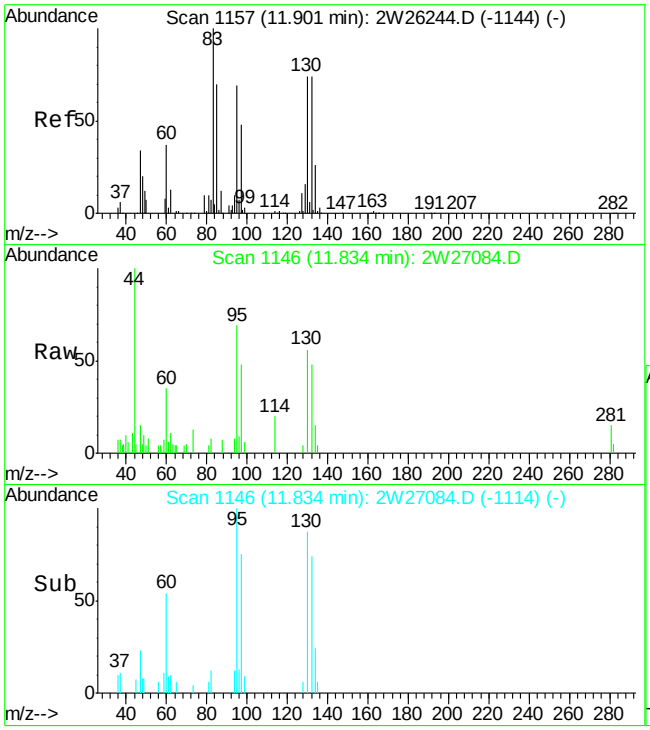


#46
BENZENE
Concen: 0.16 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 78 Resp: 22674

Ion	Ratio	Lower	Upper
78	100		
77	24.7	4.9	44.9
52	19.2	0.0	37.9

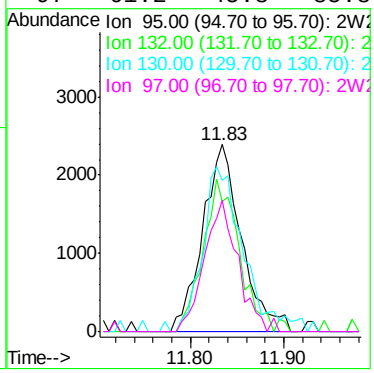


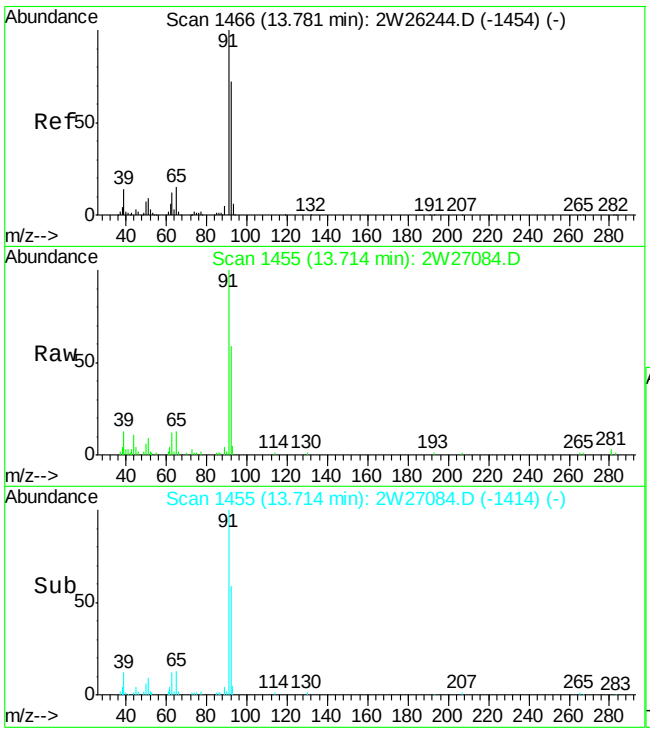


#49
TRICHLOROETHYLENE
Concen: 0.12 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 95 Resp: 6923

Ion	Ratio	Lower	Upper
95	100		
132	75.7	72.7	112.7
130	92.8	75.6	115.6
97	61.2	45.8	85.8

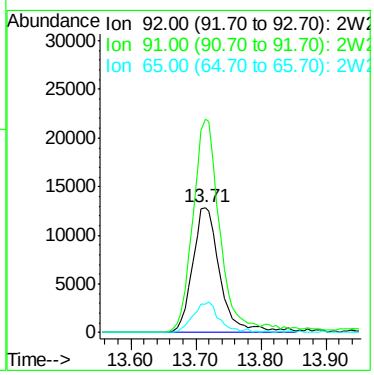


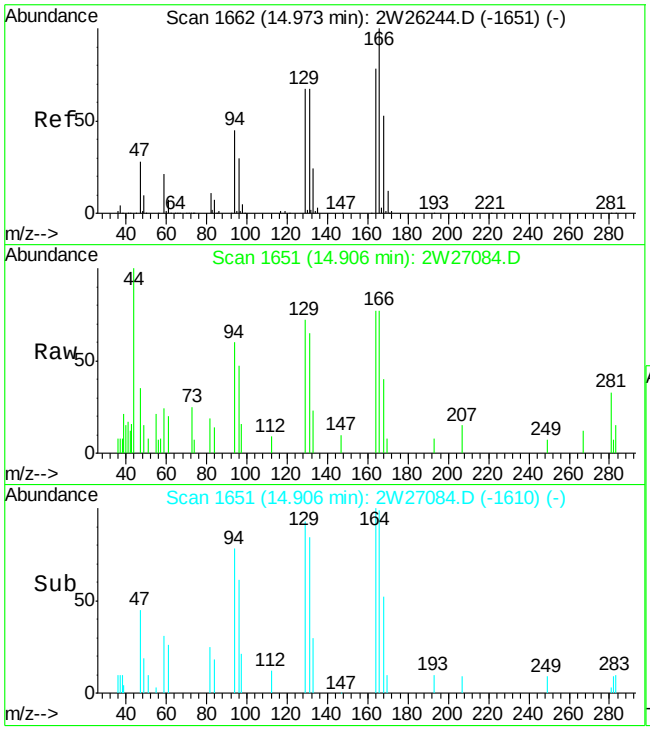


#59
TOLUENE
Concen: 0.43 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion: 92 Resp: 37599

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.6	176.6
65	23.6	0.9	40.9

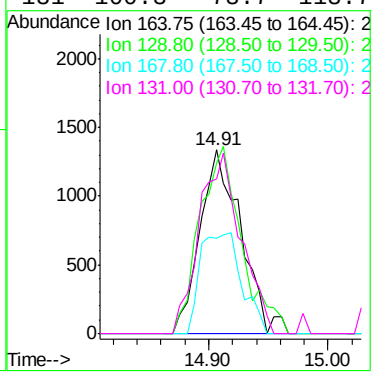




#64
TETRACHLOROETHYLENE
Concen: 0.06 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27084.D
Acq: 4 May 2010 6:57 am

Tgt Ion:164 Resp: 3190

Ion	Ratio	Lower	Upper
164	100		
129	104.1	76.6	116.6
168	55.4	44.5	84.5
131	100.3	73.7	113.7



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/07/10 04:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1141\2W27091.D Vial: 4
Acq On : 4 May 2010 6:48 pm Operator: yunxiac
Sample : ja45062-3 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:17 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

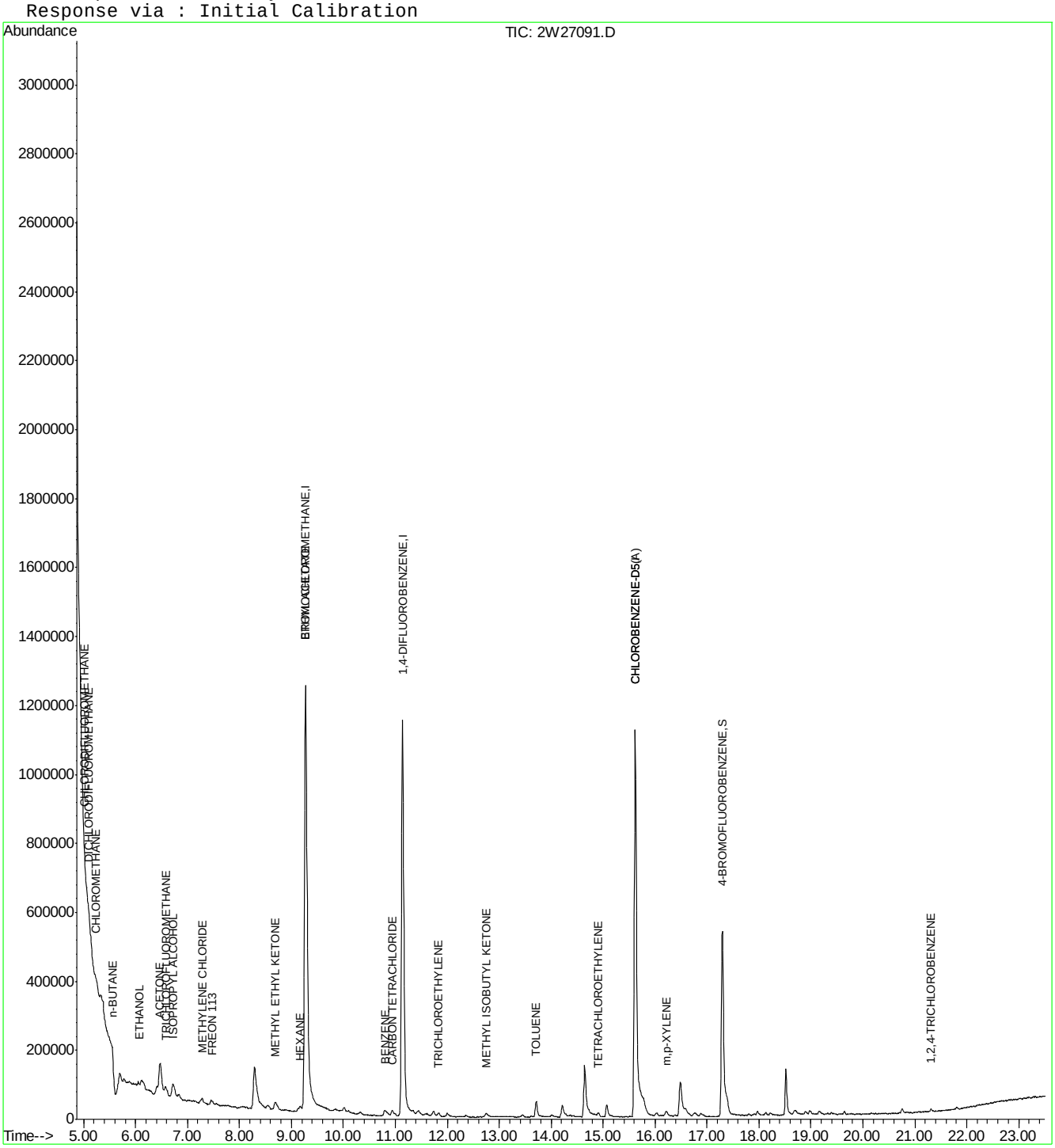
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	282908	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1398196	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	704231	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	703783	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	336592	4.60	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	89600	0.69	PPBV		98
5) CHLORODIFLUOROMETHANE	5.02	67	7493	0.50	PPBV	#	41
9) CHLOROMETHANE	5.25	52	11681	0.54	PPBV		99
12) n-BUTANE	5.57	43	34548	0.34	PPBV	#	94
17) TRICHLOROFLUOROMETHANE	6.58	101	46179	0.42	PPBV		98
18) ISOPROPYL ALCOHOL	6.72	45	126220	1.57	PPBV		88
19) ACETONE	6.47	58	69955	3.16	PPBV	#	69
25) ETHANOL	6.08	45	60325	2.70	PPBV		99
27) METHYLENE CHLORIDE	7.28	84	7782	0.20	PPBV		94
29) FREON 113	7.47	151	6995	0.13	PPBV		91
34) HEXANE	9.18	57	8473	0.11	PPBV		93
37) METHYL ETHYL KETONE	8.68	72	10737	0.53	PPBV	#	81
39) ETHYL ACETATE	9.27	61	207221	16.12	PPBV	#	85
43) CARBON TETRACHLORIDE	10.94	117	14437	0.15	PPBV		98
46) BENZENE	10.80	78	21710	0.15	PPBV		98
49) TRICHLOROETHYLENE	11.83	95	3910	0.07	PPBV		93
57) METHYL ISOBUTYL KETONE	12.76	43	9843	0.12	PPBV		90
59) TOLUENE	13.71	92	26087	0.30	PPBV	#	81
64) TETRACHLOROETHYLENE	14.91	164	2750	0.06	PPBV		92
71) m,p-XYLENE	16.22	106	7374	0.12	PPBV		88
93) 1,2,4-TRICHLOROBENZENE	21.31	180	2719m	0.17	PPBV		

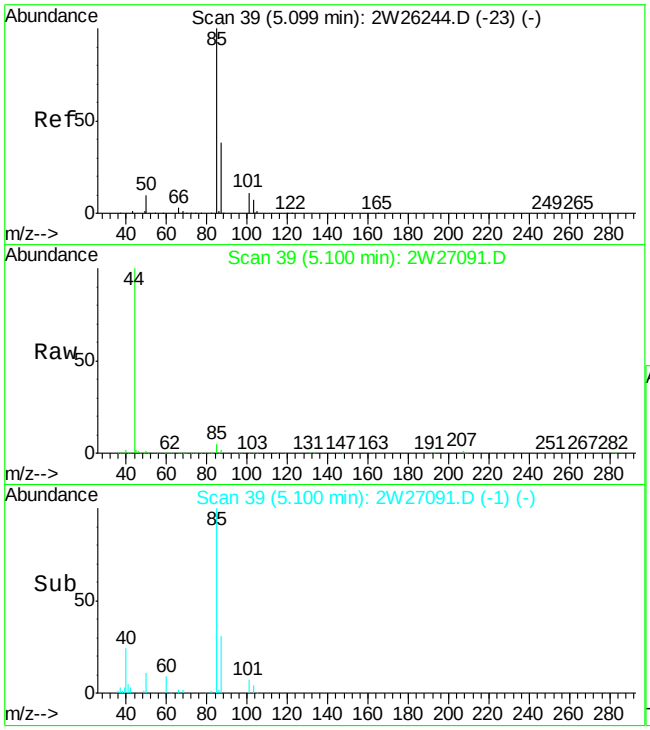
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1141\2W27091.D Vial: 4
Acq On : 4 May 2010 6:48 pm Operator: yunxiac
Sample : ja45062-3 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:38 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

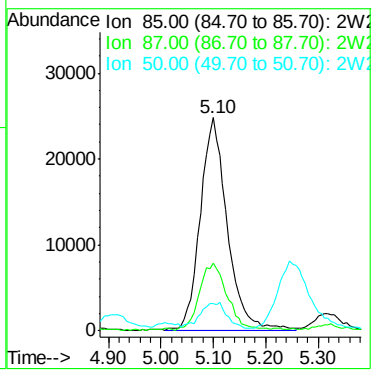


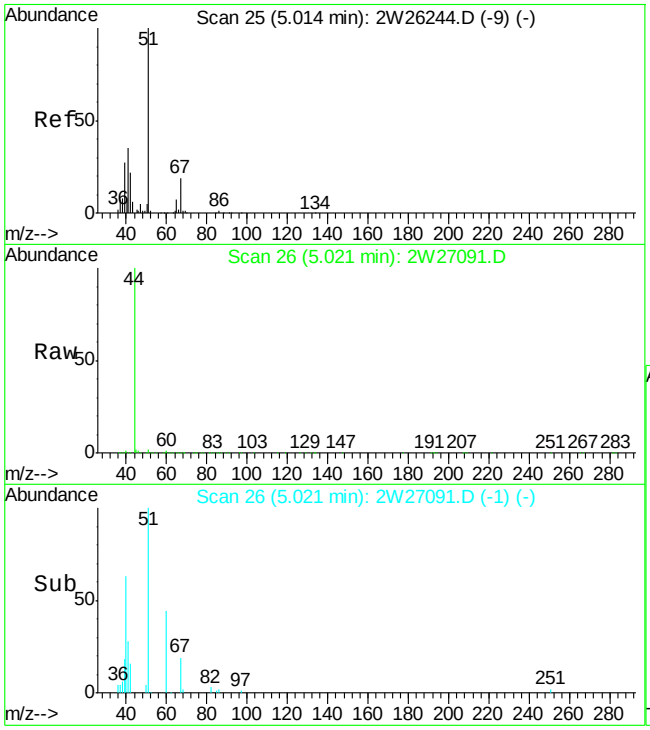


#3
DICHLORODIFLUOROMETHANE
Concen: 0.69 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 85 Resp: 89600

Ion	Ratio	Lower	Upper
85	100		
87	32.9	14.2	54.2
50	11.1	0.0	31.0

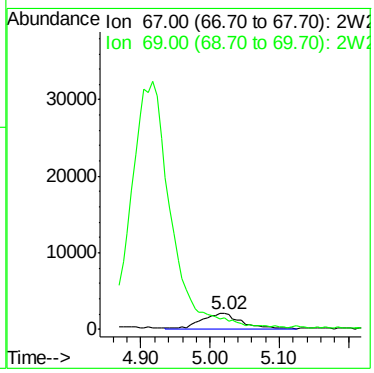


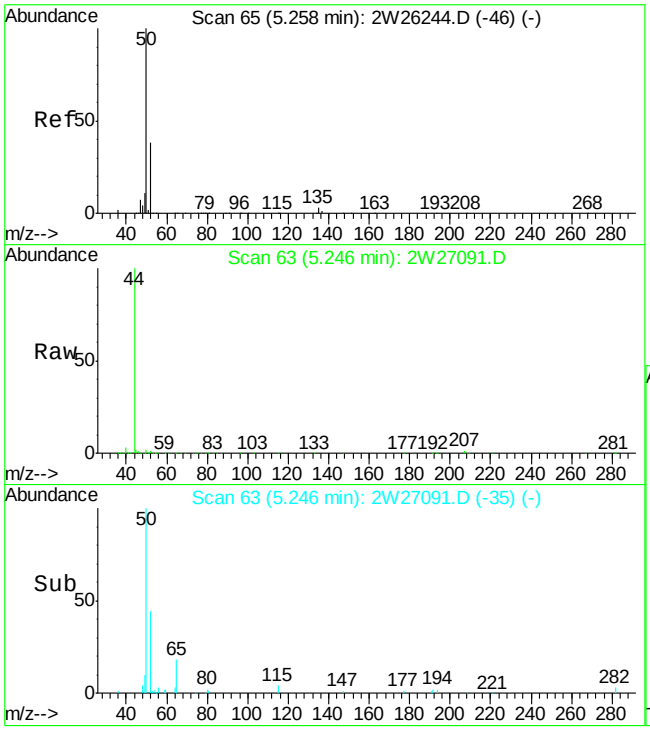


#5
CHLORODIFLUOROMETHANE
Concen: 0.50 PPBV
RT: 5.02 min Scan# 26
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 67 Resp: 7493

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

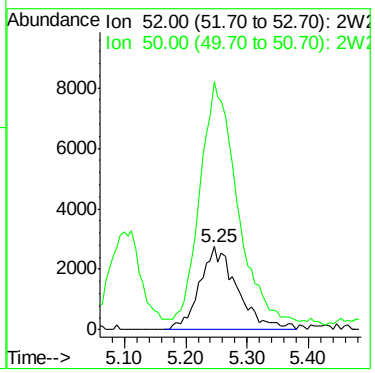


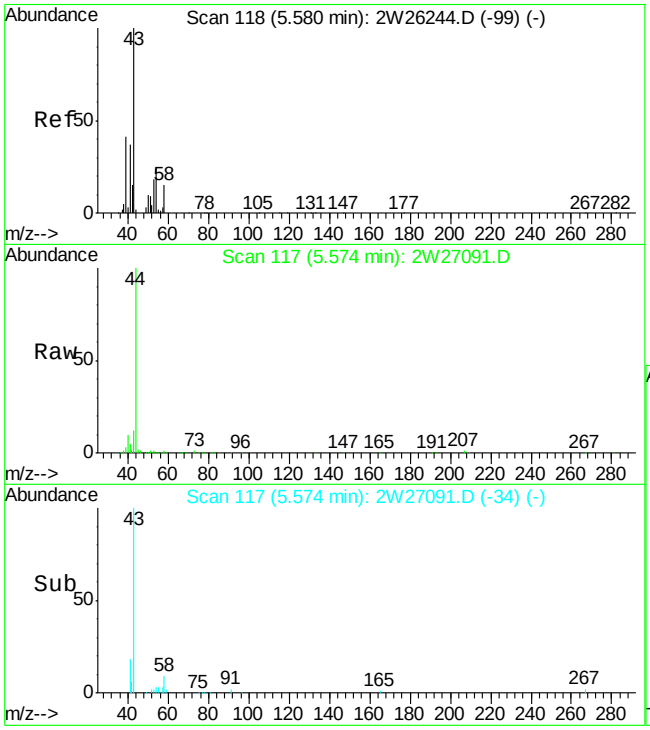


#9
CHLOROMETHANE
Concen: 0.54 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 52 Resp: 11681

Ion	Ratio	Lower	Upper
52	100		
50	286.2	268.7	308.7

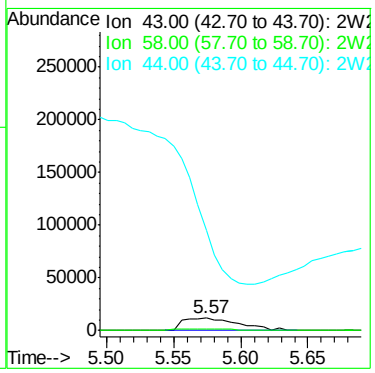


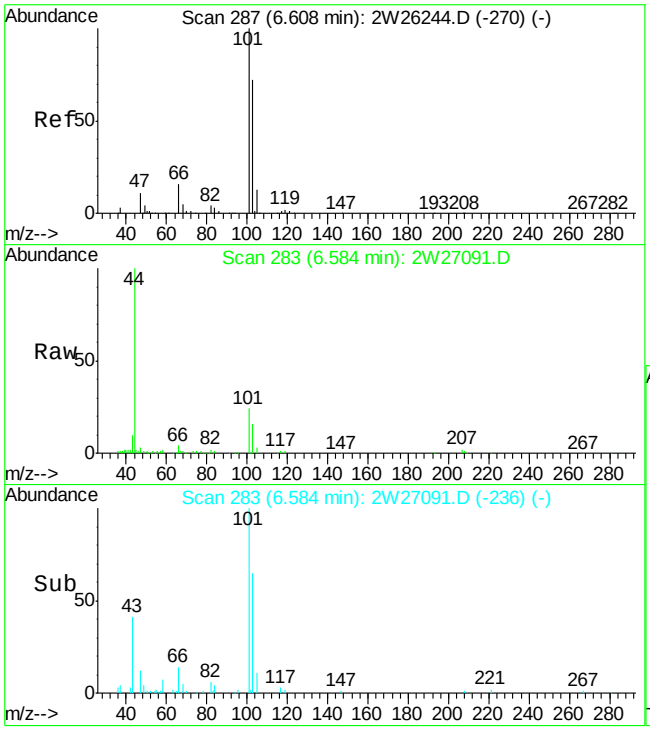


#12
n-BUTANE
Concen: 0.34 PPBV
RT: 5.57 min Scan# 117
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 43 Resp: 34548

Ion	Ratio	Lower	Upper
43	100		
58	15.6	10.6	15.8
44	0.0	2.3	3.5#

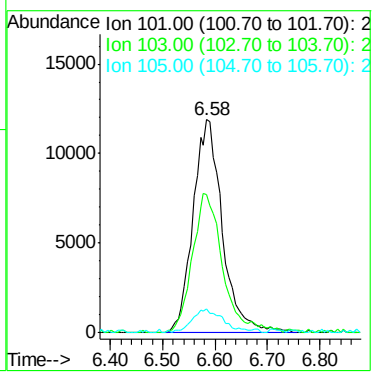


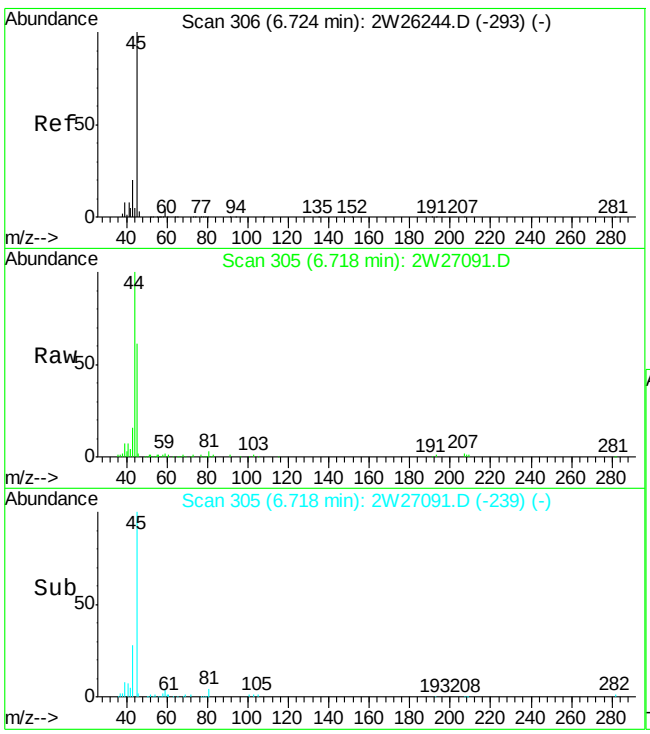


#17
TRICHLOROFLUOROMETHANE
Concen: 0.42 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:101 Resp: 46179

Ion	Ratio	Lower	Upper
101	100		
103	67.8	46.7	86.7
105	12.1	0.0	31.2

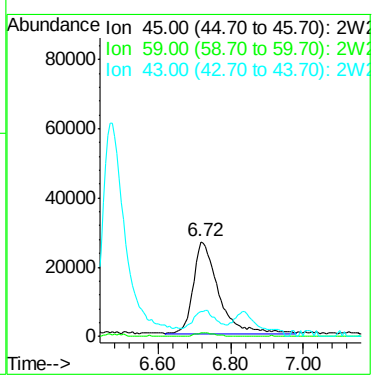


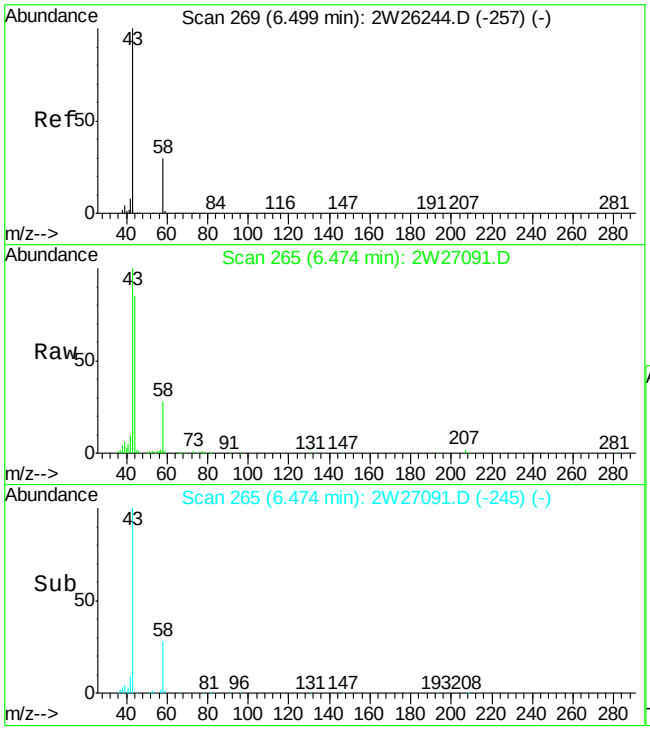


#18
ISOPROPYL ALCOHOL
Concen: 1.57 PPBV
RT: 6.72 min Scan# 305
Delta R.T. 0.05 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 45 Resp: 126220

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.1
43	26.6	0.2	40.2

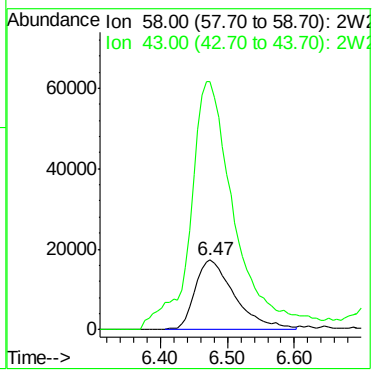


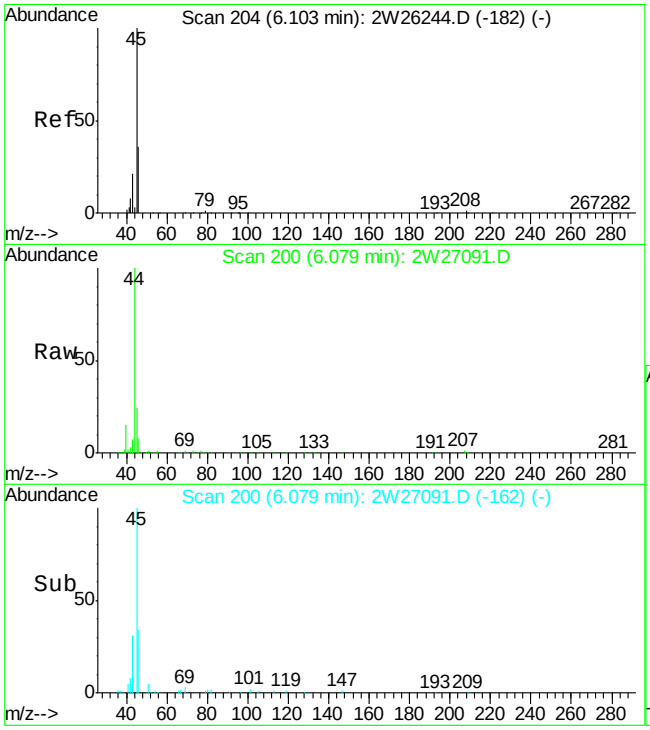


#19
ACETONE
Concen: 3.16 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 58 Resp: 69955

Ion	Ratio	Lower	Upper
58	100		
43	401.1	315.8	355.8#

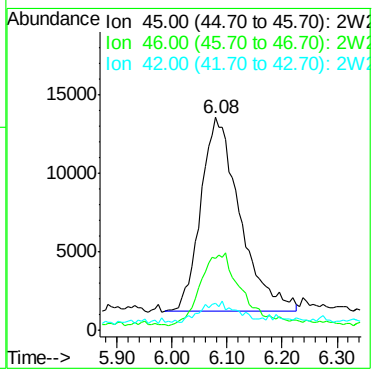


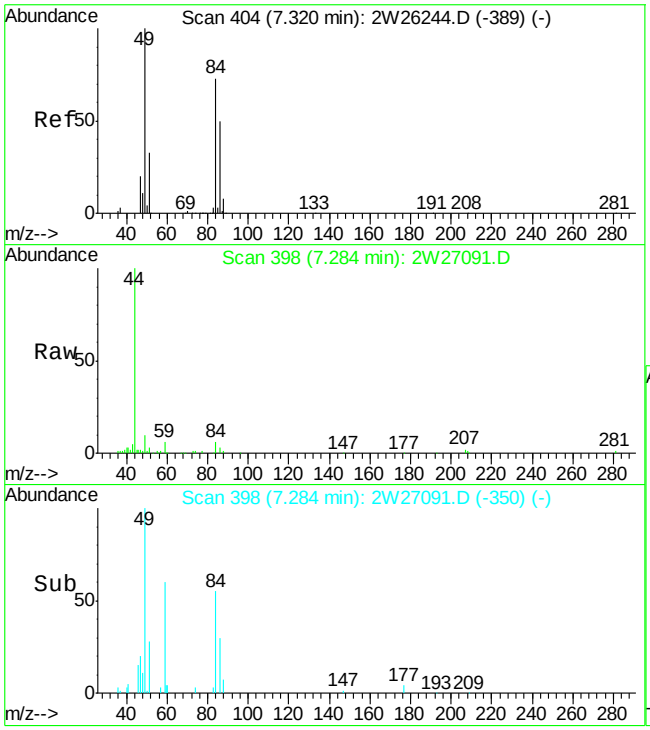


#25
ETHANOL
Concen: 2.70 PPBV
RT: 6.08 min Scan# 200
Delta R.T. 0.03 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 45 Resp: 60325

Ion	Ratio	Lower	Upper
45	100		
46	39.6	9.3	69.3
42	9.8	0.0	37.7

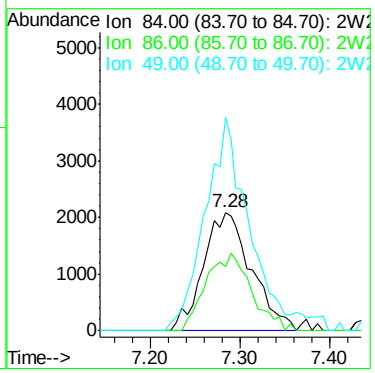


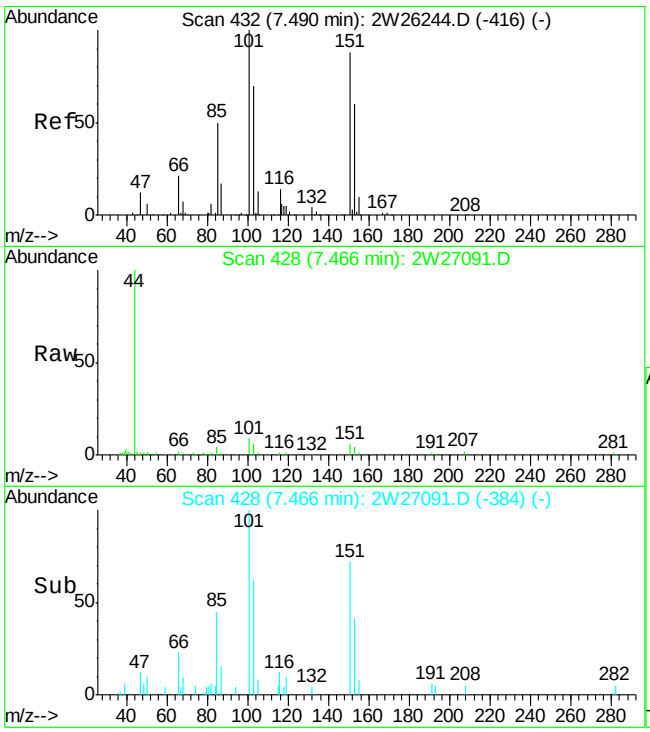


#27
METHYLENE CHLORIDE
Concen: 0.20 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 84 Resp: 7782

Ion	Ratio	Lower	Upper
84	100		
86	62.3	44.9	84.9
49	169.2	0.0	360.7

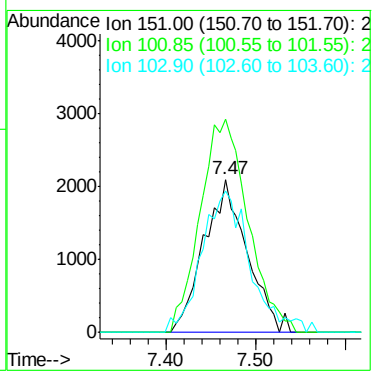


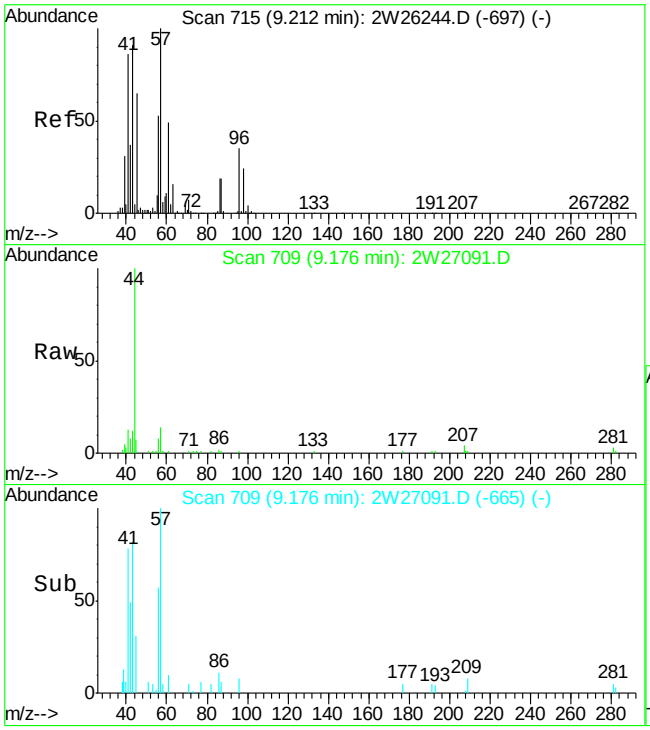


#29
FREON 113
Concen: 0.13 PPBV
RT: 7.47 min Scan# 428
Delta R.T. 0.02 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:151 Resp: 6995

Ion	Ratio	Lower	Upper
151	100		
101	155.0	124.8	164.8
103	104.1	75.2	115.2

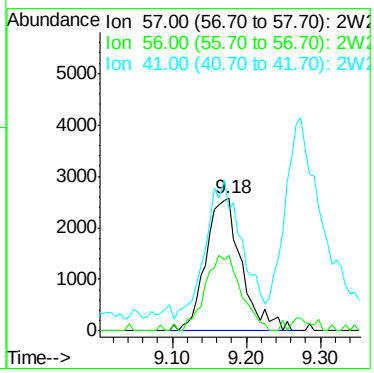


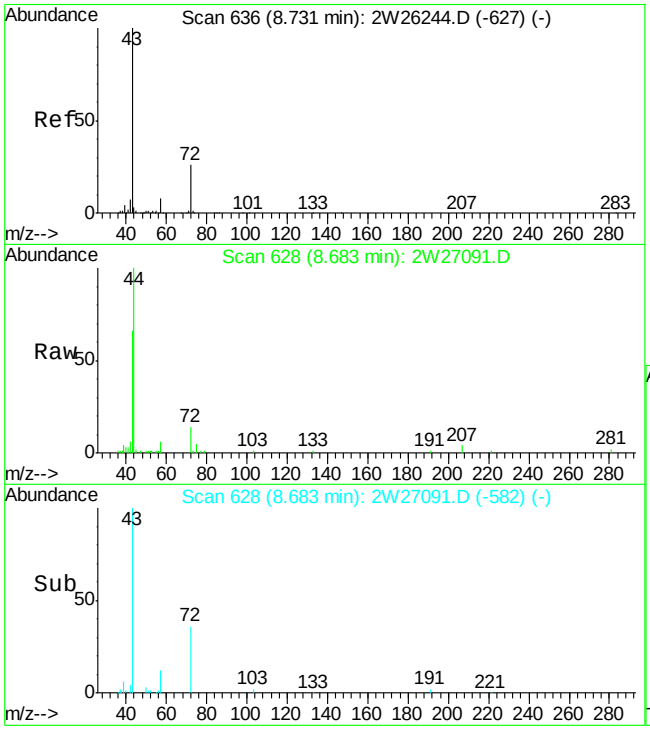


#34
HEXANE
Concen: 0.11 PPBV
RT: 9.18 min Scan# 709
Delta R.T. 0.02 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 57 Resp: 8473

Ion	Ratio	Lower	Upper
57	100		
56	57.2	32.4	72.4
41	105.0	77.6	117.6

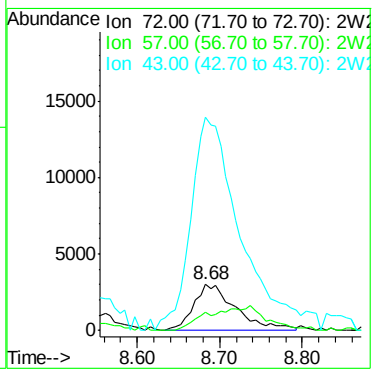


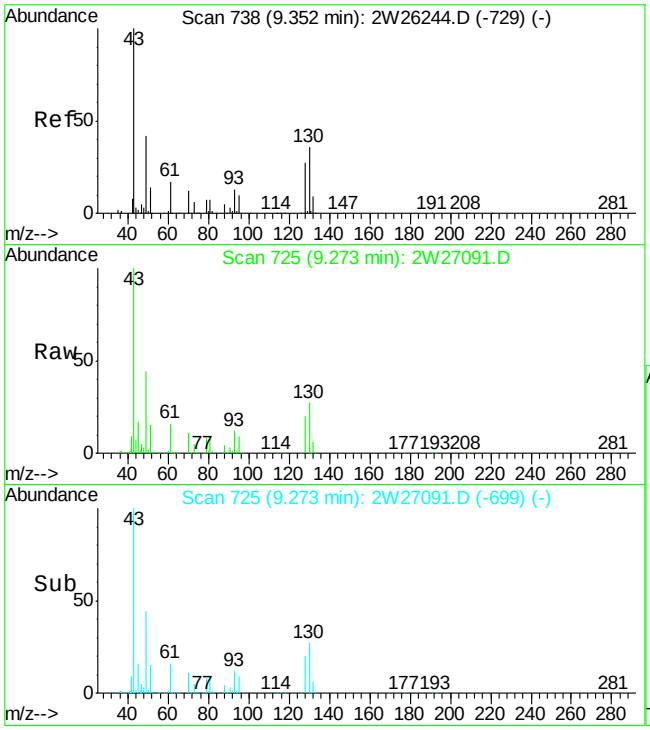


#37
METHYL ETHYL KETONE
Concen: 0.53 PPBV
RT: 8.68 min Scan# 628
Delta R.T. 0.03 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 72 Resp: 10737

Ion	Ratio	Lower	Upper
72	100		
57	38.6	13.8	53.8
43	458.1	389.3	429.3#

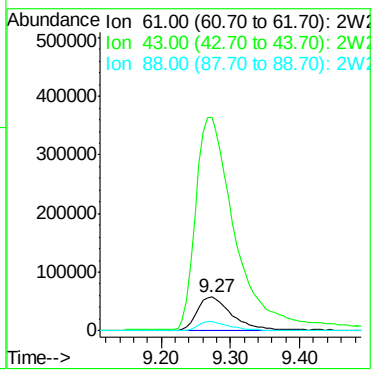


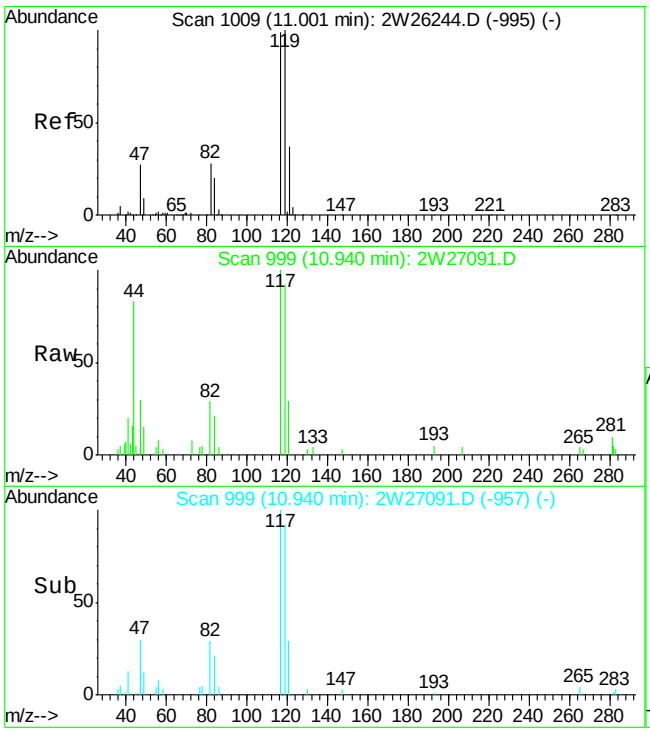


#39
ETHYL ACETATE
Concen: 16.12 PPBV
RT: 9.27 min Scan# 725
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 61 Resp: 207221

Ion	Ratio	Lower	Upper
61	100		
43	675.8	606.5	646.5#
88	26.0	4.8	44.8

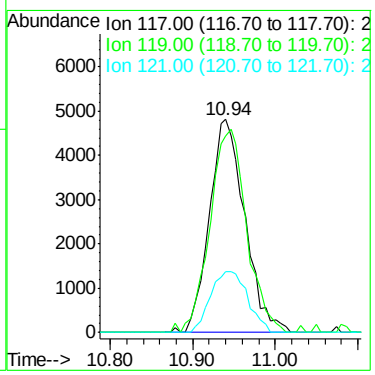


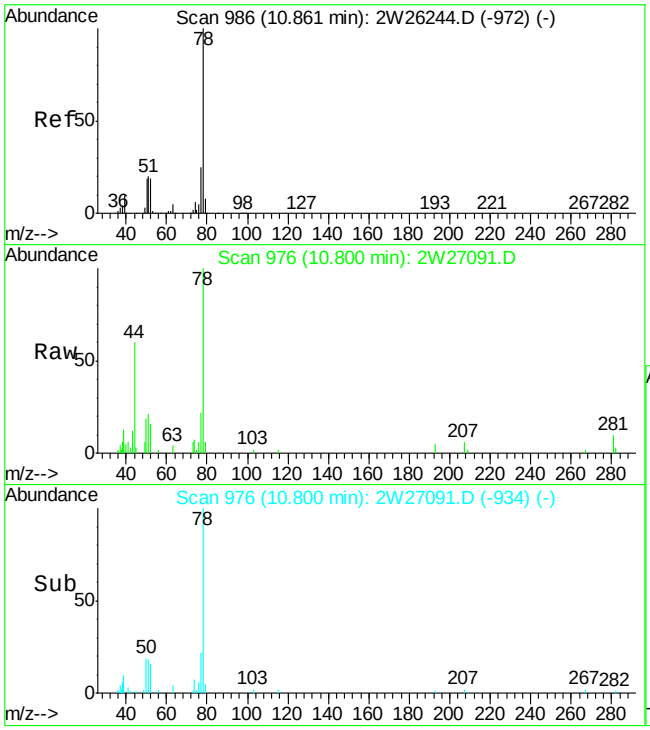


#43
CARBON TETRACHLORIDE
Concen: 0.15 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:117 Resp: 14437

Ion	Ratio	Lower	Upper
117	100		
119	98.9	78.0	118.0
121	29.9	12.8	52.8

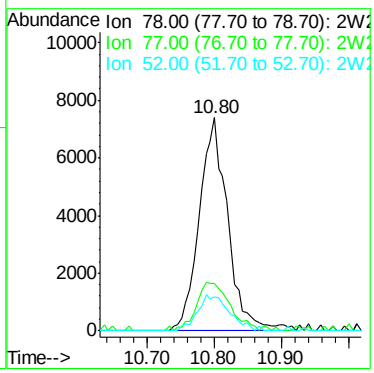


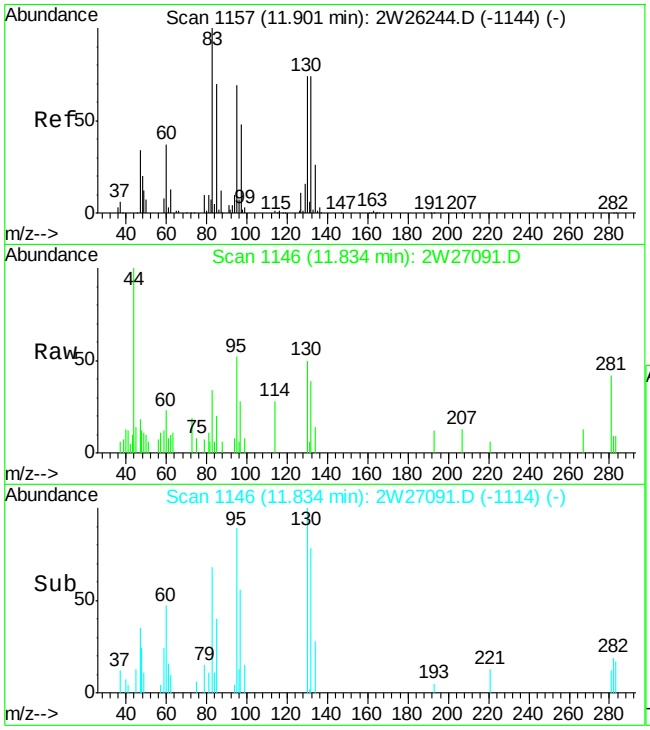


#46
BENZENE
Concen: 0.15 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 78 Resp: 21710

Ion	Ratio	Lower	Upper
78	100		
77	26.4	4.9	44.9
52	18.7	0.0	37.9

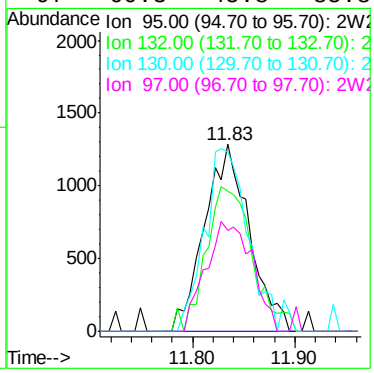


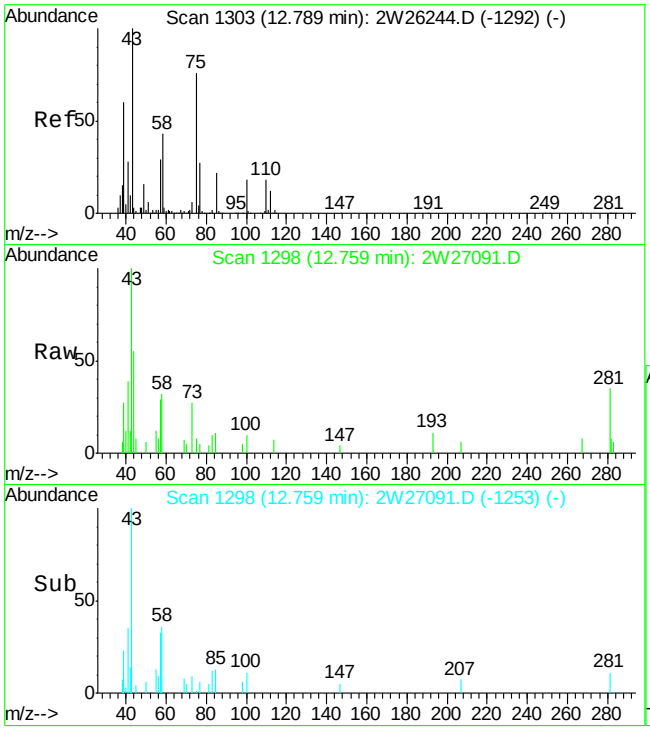


#49
TRICHLOROETHYLENE
Concen: 0.07 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 95 Resp: 3910

Ion	Ratio	Lower	Upper
95	100		
132	80.4	72.7	112.7
130	93.2	75.6	115.6
97	60.3	45.8	85.8

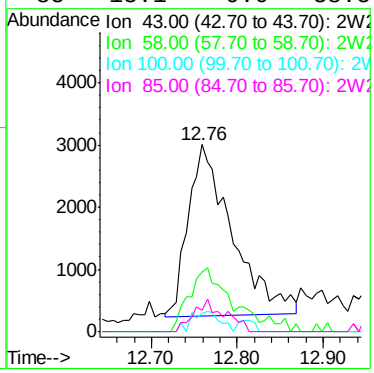


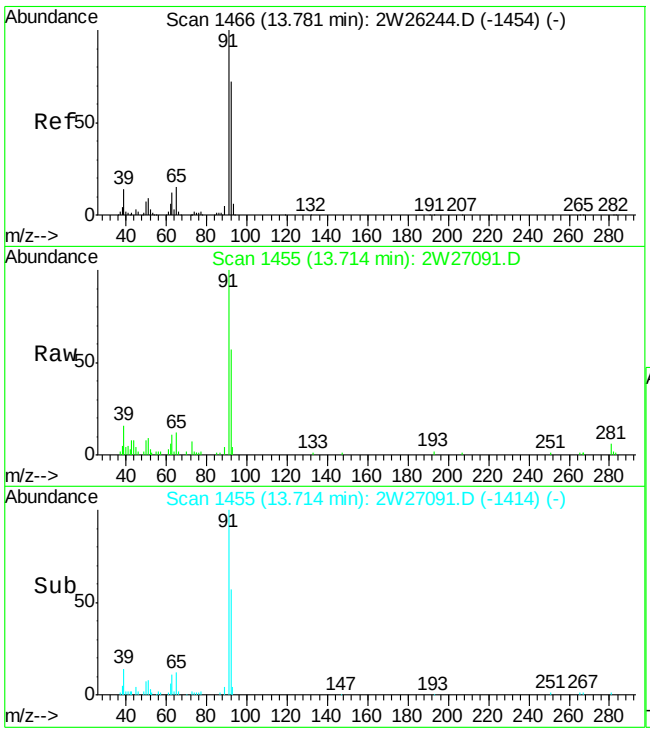


#57
METHYL ISOBUTYL KETONE
Concen: 0.12 PPBV
RT: 12.76 min Scan# 1298
Delta R.T. 0.06 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 43 Resp: 9843

Ion	Ratio	Lower	Upper
43	100		
58	38.0	22.9	62.9
100	7.7	0.0	34.0
85	13.1	0.0	38.5

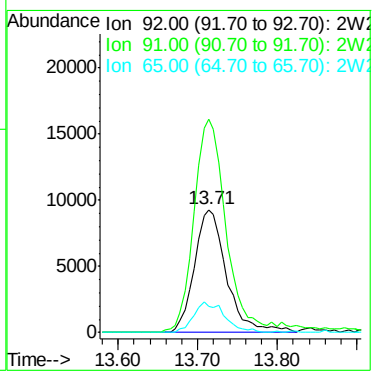


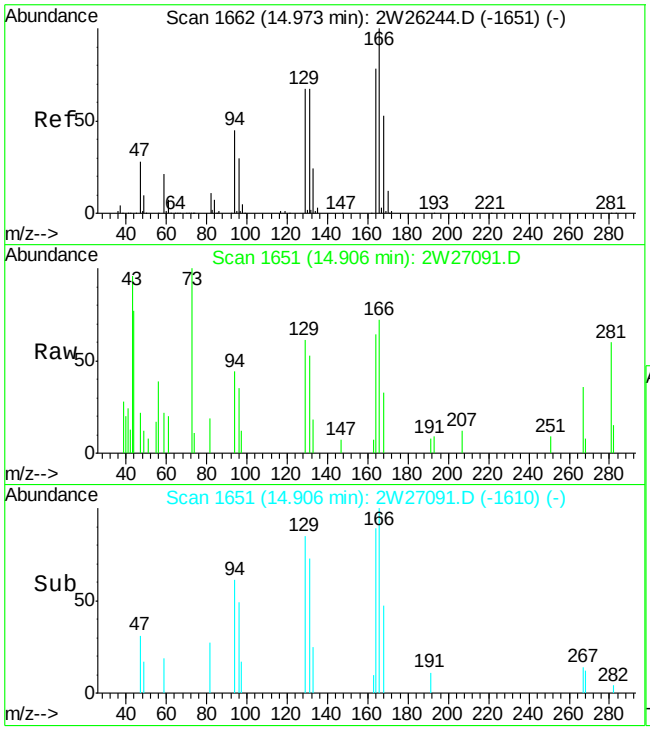


#59
TOLUENE
Concen: 0.30 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion: 92 Resp: 26087

Ion	Ratio	Lower	Upper
92	100		
91	183.3	136.6	176.6#
65	24.0	0.9	40.9

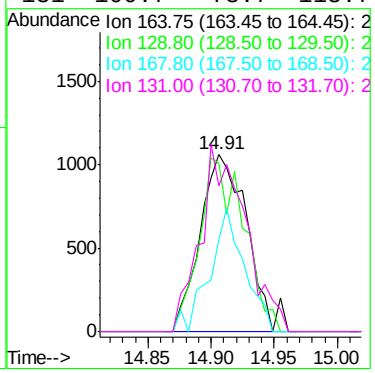


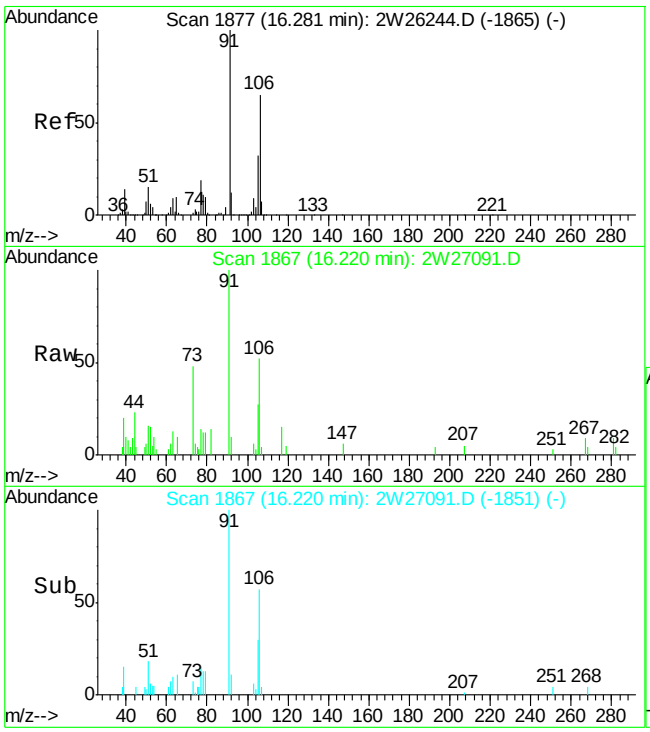


#64
TETRACHLOROETHYLENE
Concen: 0.06 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. 0.00 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:164 Resp: 2750

Ion	Ratio	Lower	Upper
164	100		
129	92.8	76.6	116.6
168	51.3	44.5	84.5
131	100.7	73.7	113.7

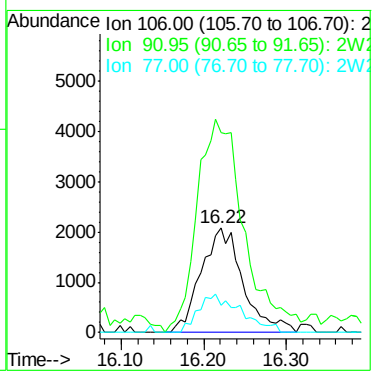


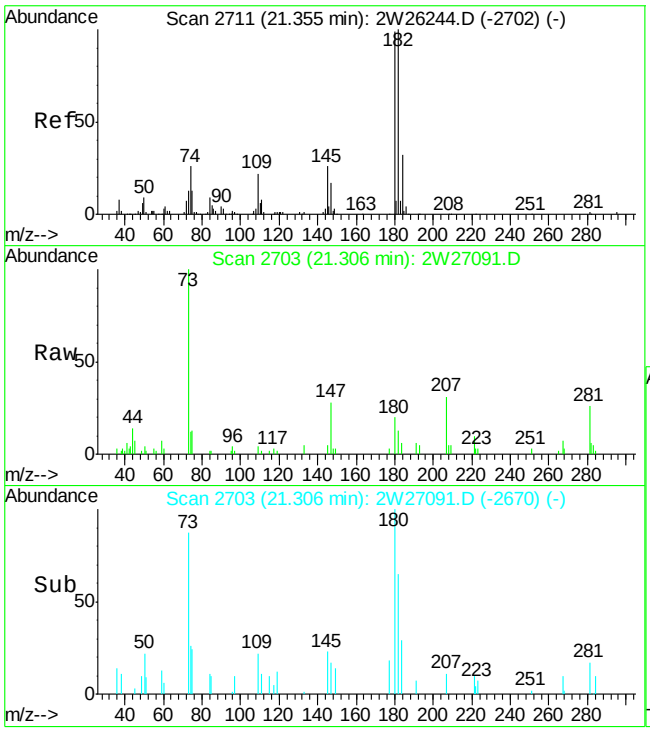


#71
m,p-XYLENE
Concen: 0.12 PPBV
RT: 16.22 min Scan# 1867
Delta R.T. 0.00 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:106 Resp: 7374

Ion	Ratio	Lower	Upper
106	100		
91	192.0	138.6	207.8
77	26.5	23.5	35.3

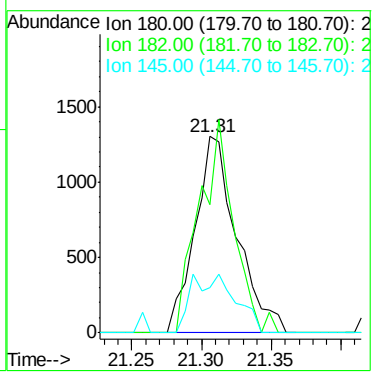




#93
1,2,4-TRICHLOROBENZENE
Concen: 0.17 PPBV m
RT: 21.31 min Scan# 2703
Delta R.T. 0.00 min
Lab File: 2W27091.D
Acq: 4 May 2010 6:48 pm

Tgt Ion:180 Resp: 2719

Ion	Ratio	Lower	Upper
180	100		
182	0.0	66.7	106.7#
145	0.0	8.6	48.6#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27092.D Vial: 8
Acq On : 4 May 2010 7:31 pm Operator: yunxiac
Sample : ja45062-4 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:25 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

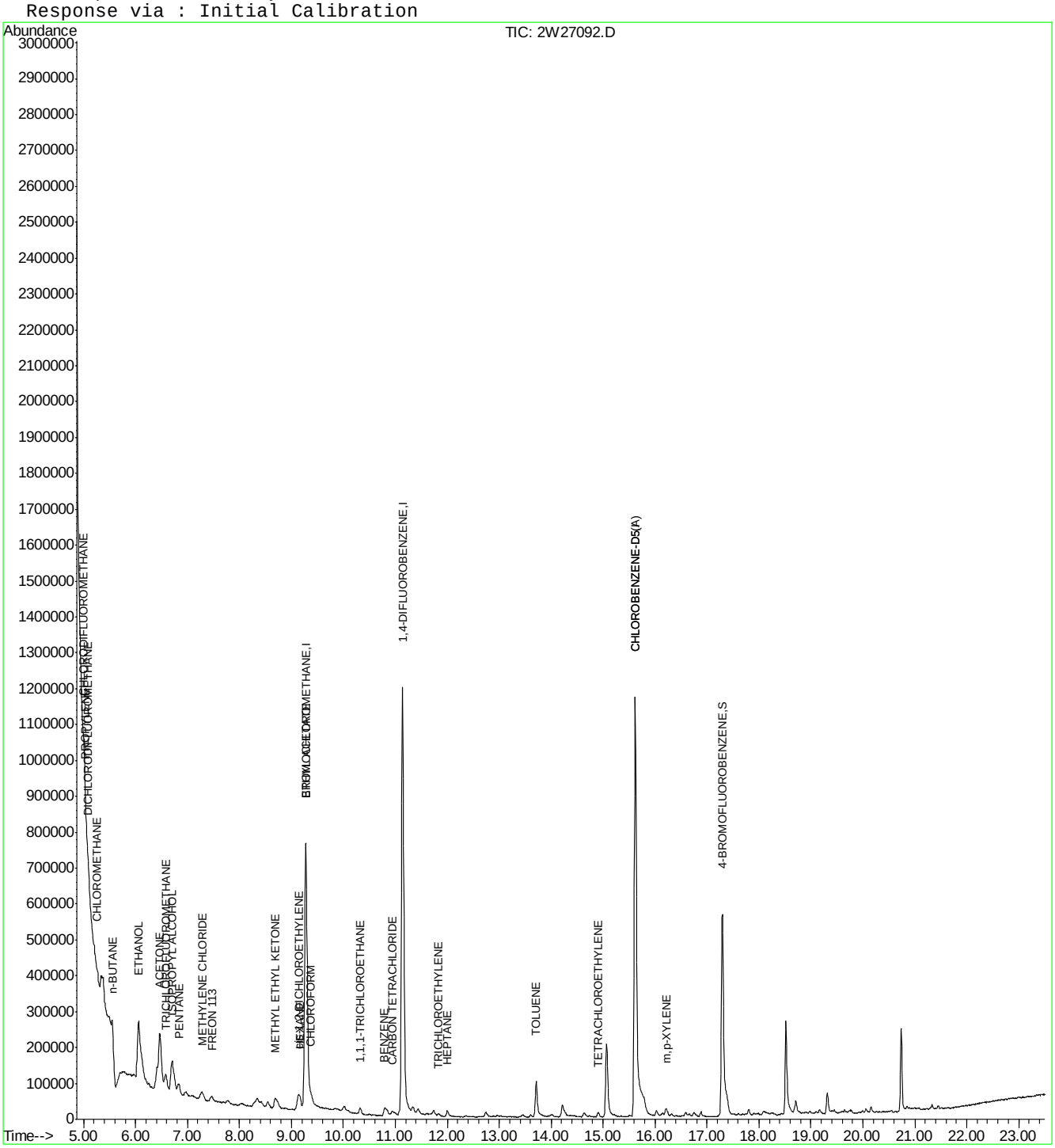
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	292049	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1450755	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	741121	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	739655	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	352941	4.58	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	89523	0.67	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	93551	6.10	PPBV		99
6) PROPYLENE	5.04	41	33805	0.58	PPBV	#	57
9) CHLOROMETHANE	5.25	52	12231	0.55	PPBV		96
12) n-BUTANE	5.57	43	94755	0.90	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.59	101	82476	0.72	PPBV		99
18) ISOPROPYL ALCOHOL	6.71	45	265261	3.20	PPBV		91
19) ACETONE	6.46	58	123234	5.40	PPBV	#	78
20) PENTANE	6.83	42	22369	0.37	PPBV		90
25) ETHANOL	6.06	45	464464	20.16	PPBV		98
27) METHYLENE CHLORIDE	7.28	84	12510	0.31	PPBV		94
29) FREON 113	7.47	151	5664	0.10	PPBV		90
34) HEXANE	9.16	57	19136	0.24	PPBV		91
37) METHYL ETHYL KETONE	8.69	72	13245	0.63	PPBV	#	64
38) cis-1,2-DICHLOROETHYLENE	9.13	96	21705	0.44	PPBV	#	85
39) ETHYL ACETATE	9.28	61	26329	1.98	PPBV	#	28
40) CHLOROFORM	9.38	83	21462	0.23	PPBV	#	82
42) 1,1,1-TRICHLOROETHANE	10.33	97	15804	0.16	PPBV		92
43) CARBON TETRACHLORIDE	10.94	117	11729	0.12	PPBV		93
46) BENZENE	10.80	78	26802	0.18	PPBV		97
49) TRICHLOROETHYLENE	11.84	95	2653	0.05	PPBV	#	87
55) HEPTANE	12.00	43	10738	0.12	PPBV		89
59) TOLUENE	13.71	92	62330	0.68	PPBV	#	85
64) TETRACHLOROETHYLENE	14.91	164	3298	0.06	PPBV		94
71) m,p-XYLENE	16.21	106	10701	0.17	PPBV	#	60

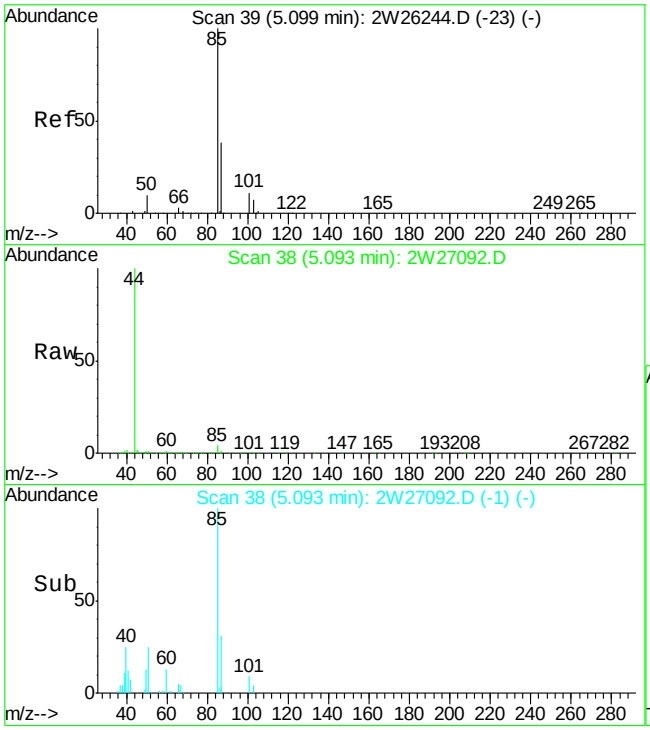
(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27092.D M2W1138.M Wed May 05 10:22:02 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27092.D Vial: 8
Acq On : 4 May 2010 7:31 pm Operator: yunxiac
Sample : ja45062-4 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:30 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

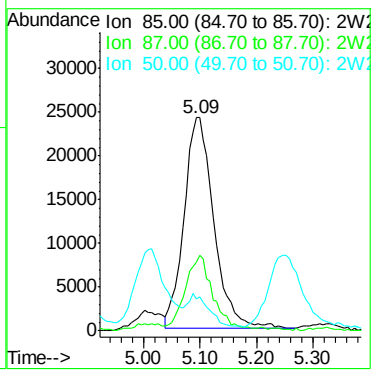


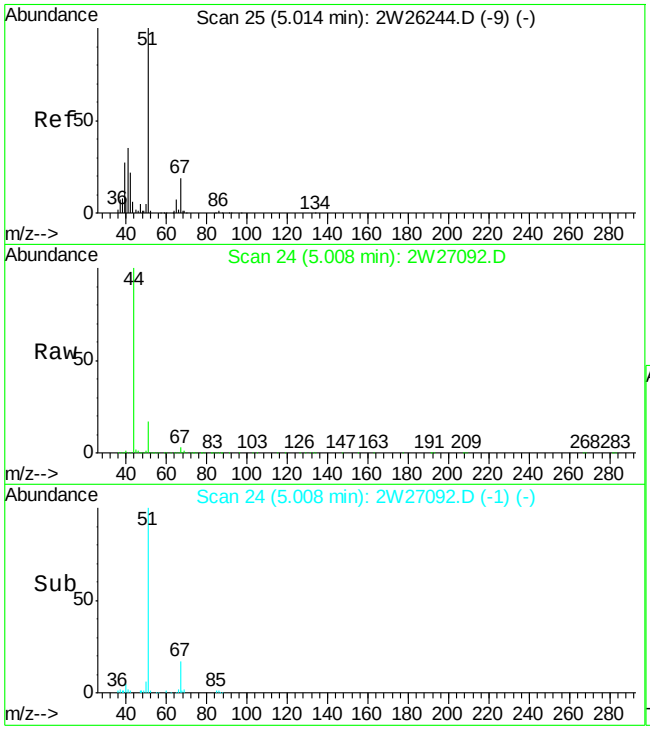


#3
DICHLORODIFLUOROMETHANE
Concen: 0.67 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 85 Resp: 89523

Ion	Ratio	Lower	Upper
85	100		
87	33.9	14.2	54.2
50	11.1	0.0	31.0

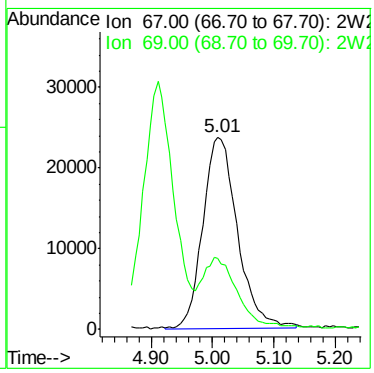


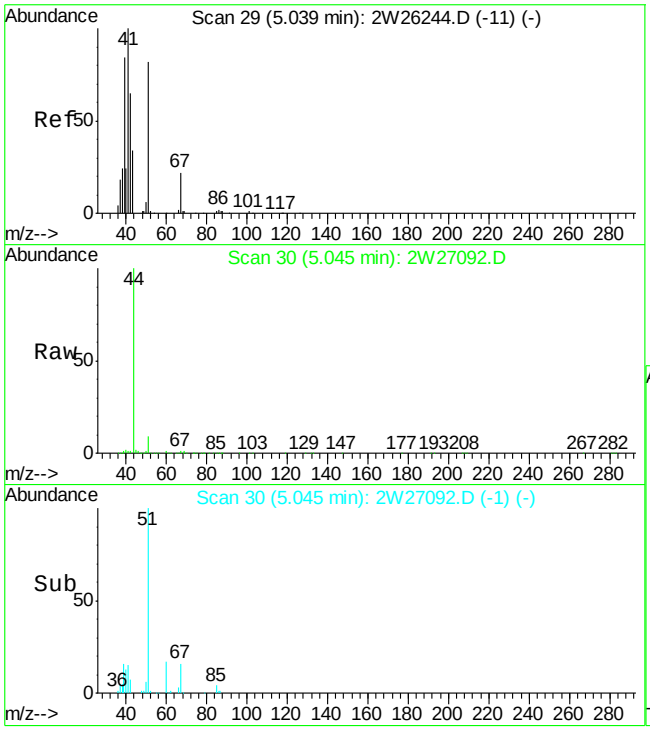


#5
CHLORODIFLUOROMETHANE
Concen: 6.10 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 67 Resp: 93551

Ion	Ratio	Lower	Upper
67	100		
69	34.1	13.6	53.6

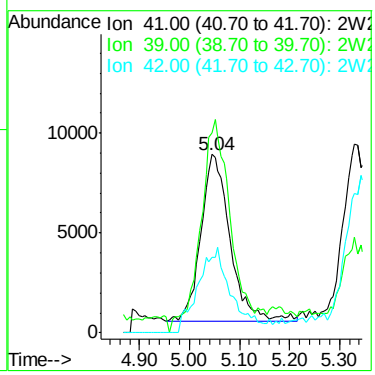


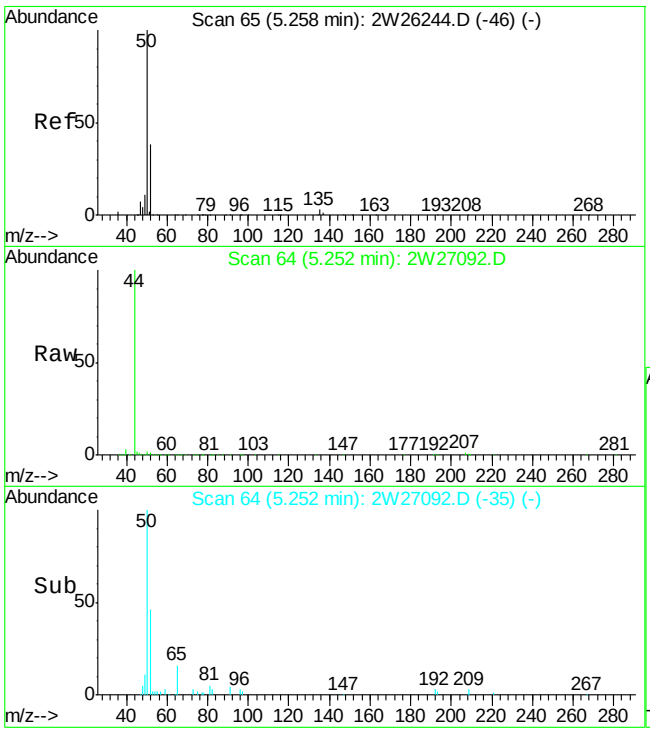


#6
PROPYLENE
Concen: 0.58 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 41 Resp: 33805

Ion	Ratio	Lower	Upper
41	100		
39	112.4	47.9	87.9#
42	42.6	47.3	87.3#

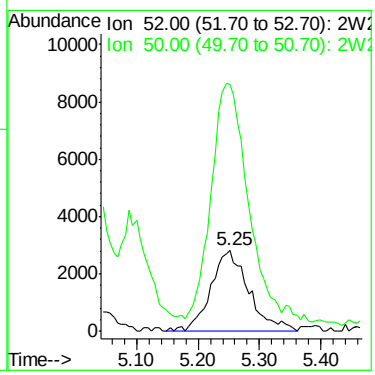


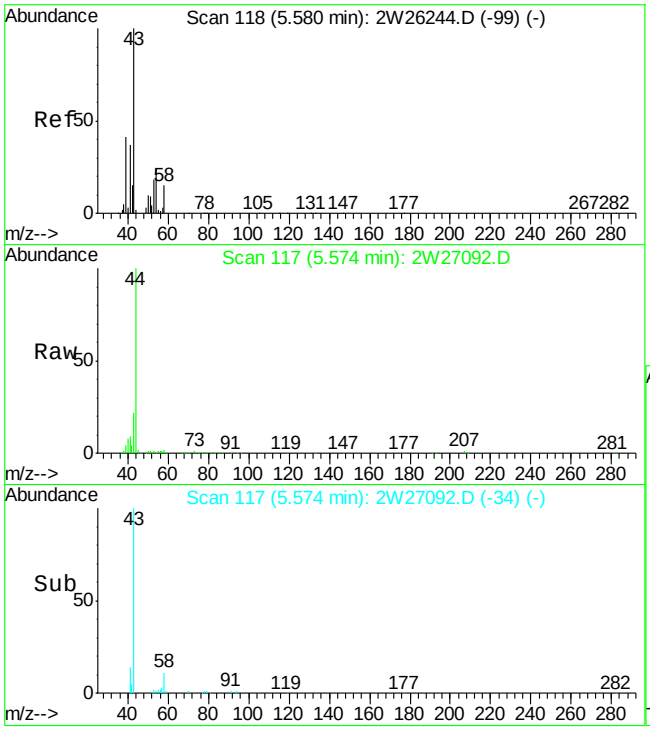


#9
CHLOROMETHANE
Concen: 0.55 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 52 Resp: 12231

Ion	Ratio	Lower	Upper
52	100		
50	280.1	268.7	308.7

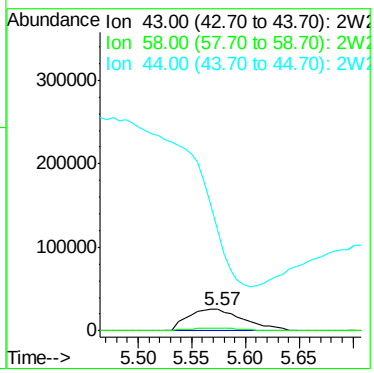


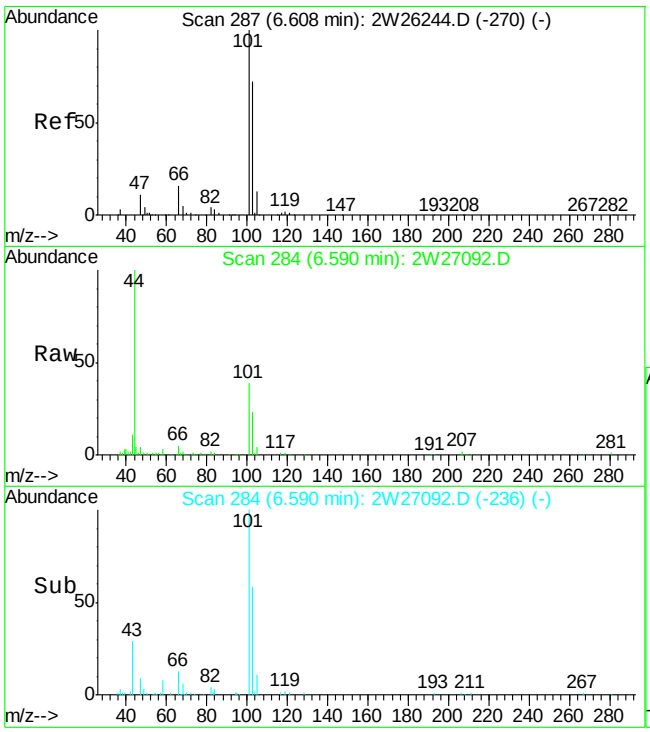


#12
n-BUTANE
Concen: 0.90 PPBV
RT: 5.57 min Scan# 117
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 43 Resp: 94755

Ion	Ratio	Lower	Upper
43	100		
58	13.4	10.6	15.8
44	0.0	2.3	3.5#

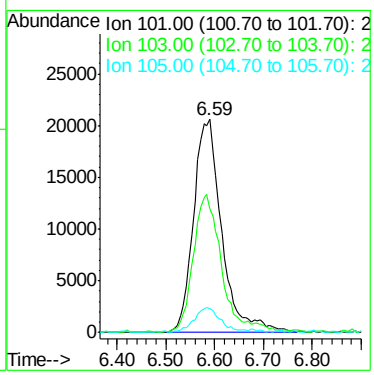


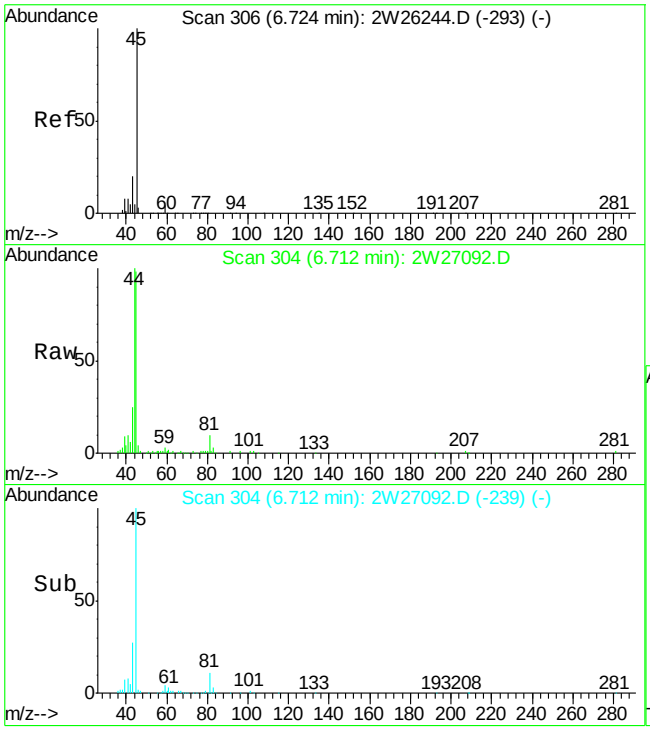


#17
TRICHLOROFLUOROMETHANE
Concen: 0.72 PPBV
RT: 6.59 min Scan# 284
Delta R.T. 0.02 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion:101 Resp: 82476

Ion	Ratio	Lower	Upper
101	100		
103	65.5	46.7	86.7
105	11.2	0.0	31.2

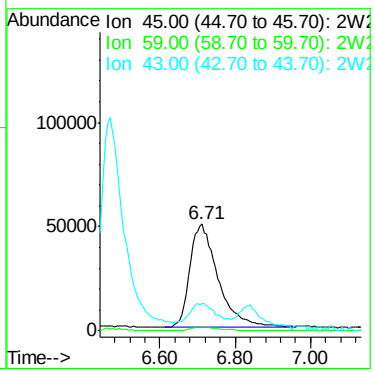


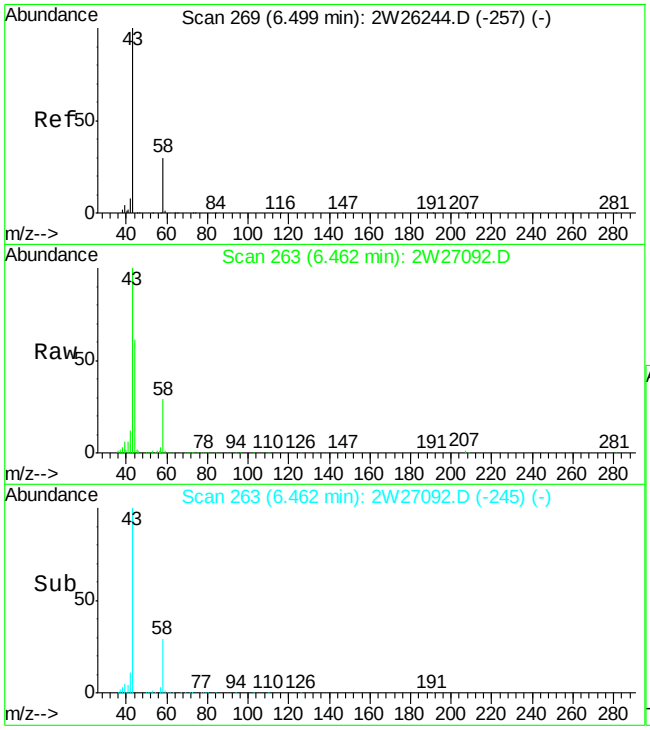


#18
ISOPROPYL ALCOHOL
Concen: 3.20 PPBV
RT: 6.71 min Scan# 304
Delta R.T. 0.04 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 45 Resp: 265261

Ion	Ratio	Lower	Upper
45	100		
59	3.5	0.0	24.1
43	25.3	0.2	40.2

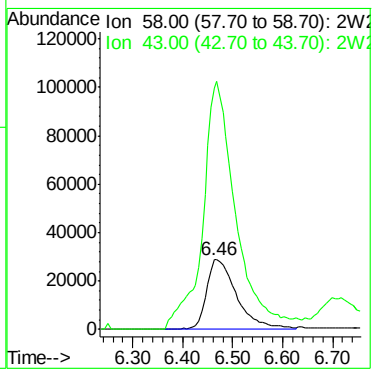


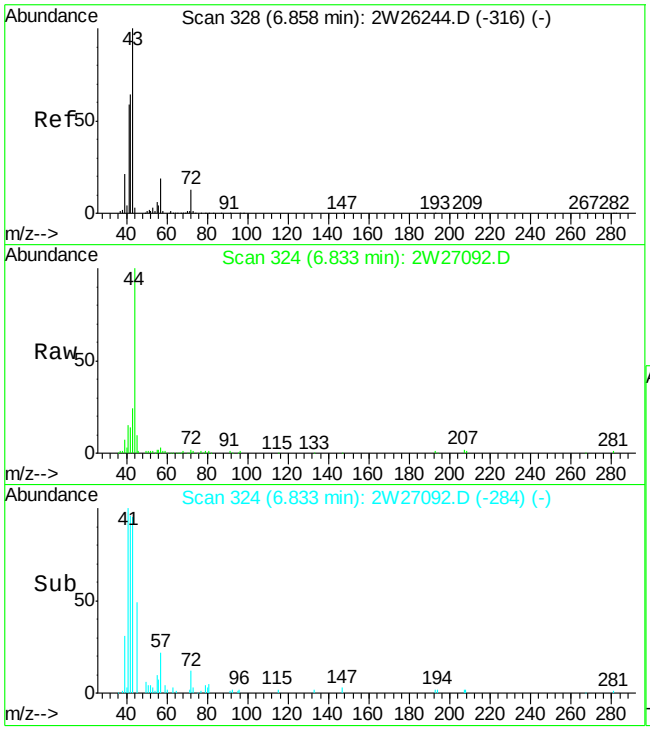


#19
ACETONE
Concen: 5.40 PPBV
RT: 6.46 min Scan# 263
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 58 Resp: 123234

Ion	Ratio	Lower	Upper
58	100		
43	382.4	315.8	355.8#

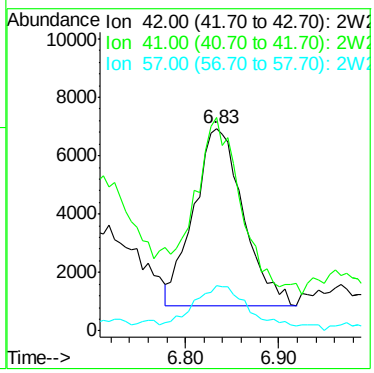


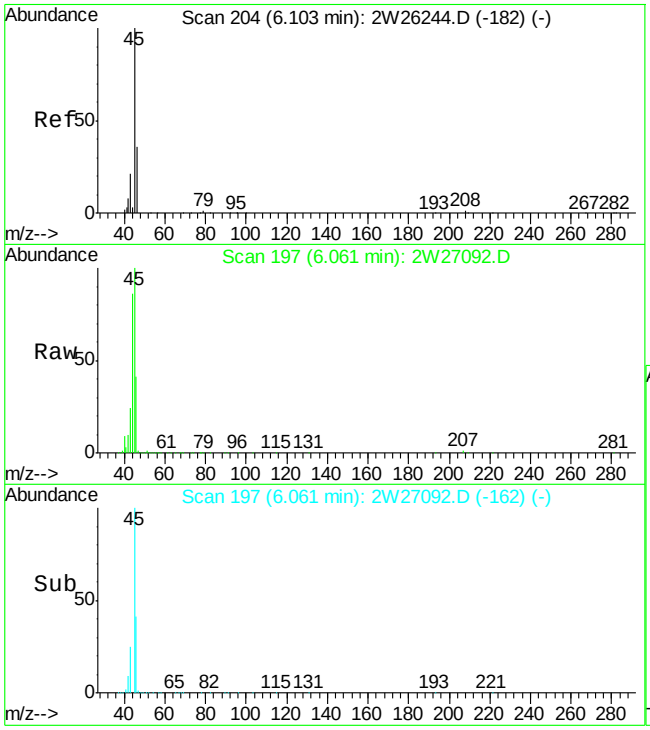


#20
PENTANE
Concen: 0.37 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 42 Resp: 22369

Ion	Ratio	Lower	Upper
42	100		
41	97.3	67.5	107.5
57	31.0	6.1	46.1

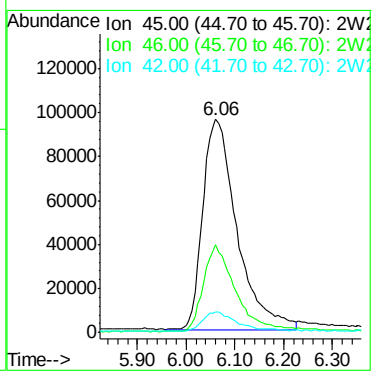


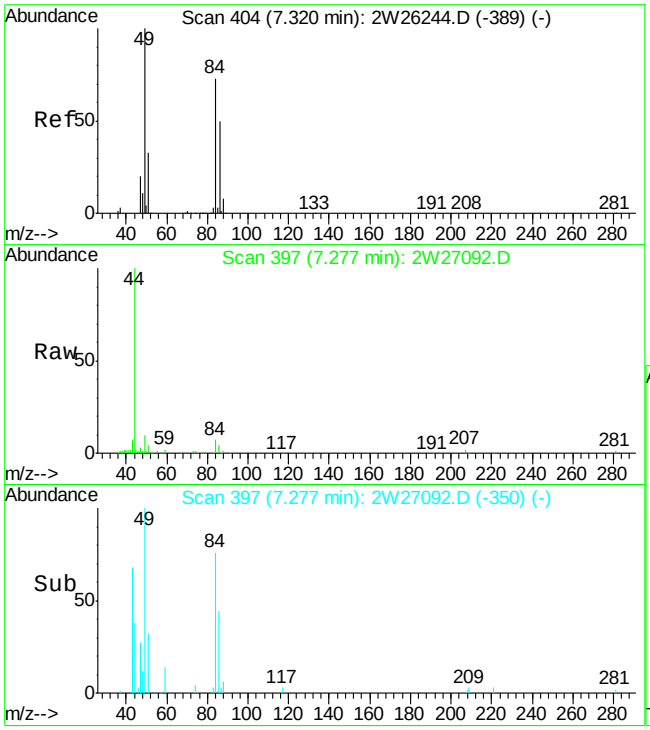


#25
ETHANOL
Concen: 20.16 PPBV
RT: 6.06 min Scan# 197
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 45 Resp: 464464

Ion	Ratio	Lower	Upper
45	100		
46	38.4	9.3	69.3
42	9.1	0.0	37.7

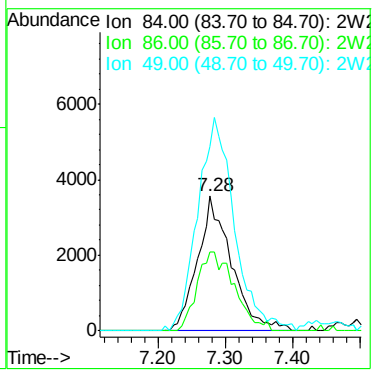


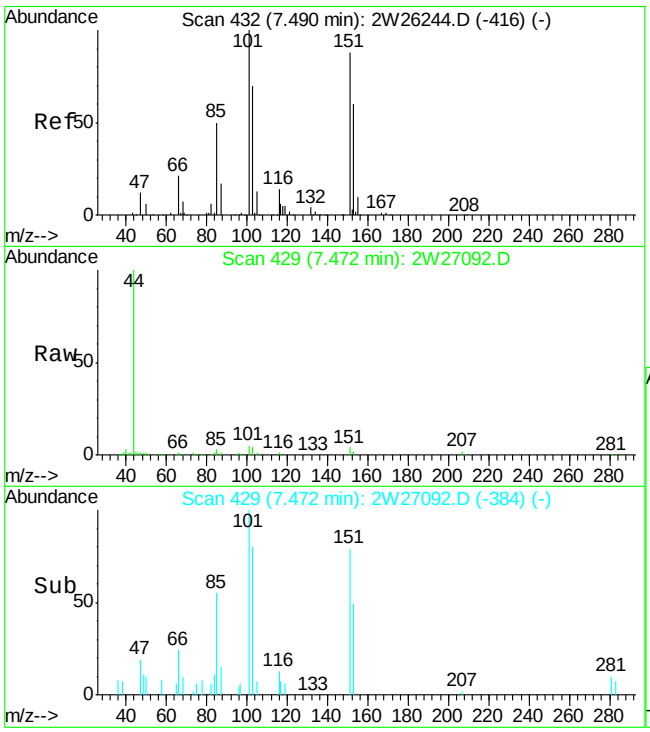


#27
METHYLENE CHLORIDE
Concen: 0.31 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 84 Resp: 12510

Ion	Ratio	Lower	Upper
84	100		
86	63.7	44.9	84.9
49	170.9	0.0	360.7

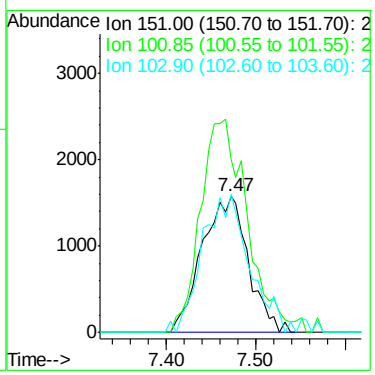


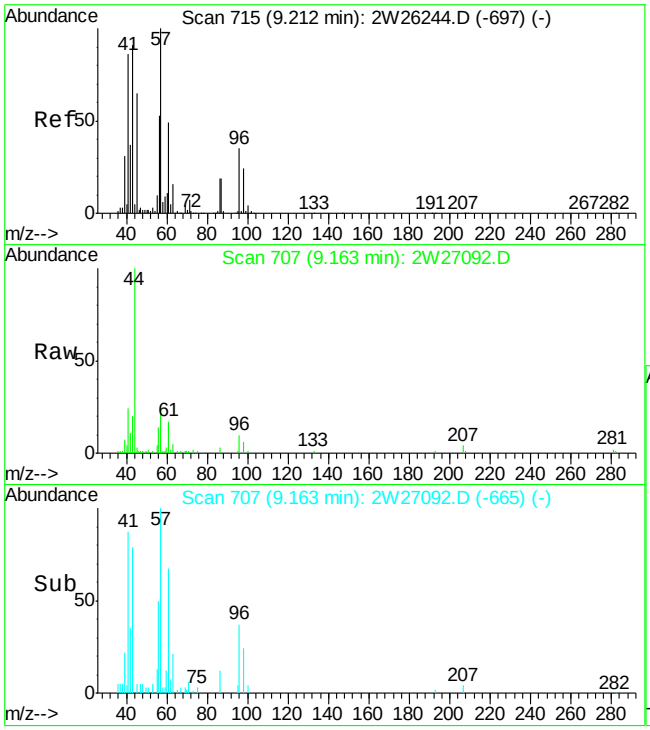


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.47 min Scan# 429
Delta R.T. 0.02 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion:151 Resp: 5664

Ion	Ratio	Lower	Upper
151	100		
101	158.6	124.8	164.8
103	103.1	75.2	115.2

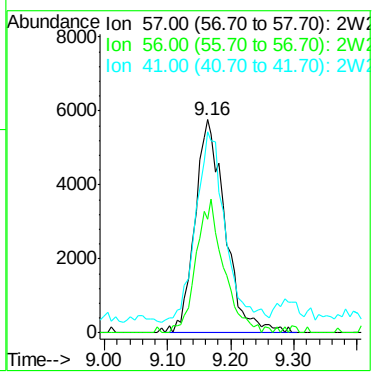


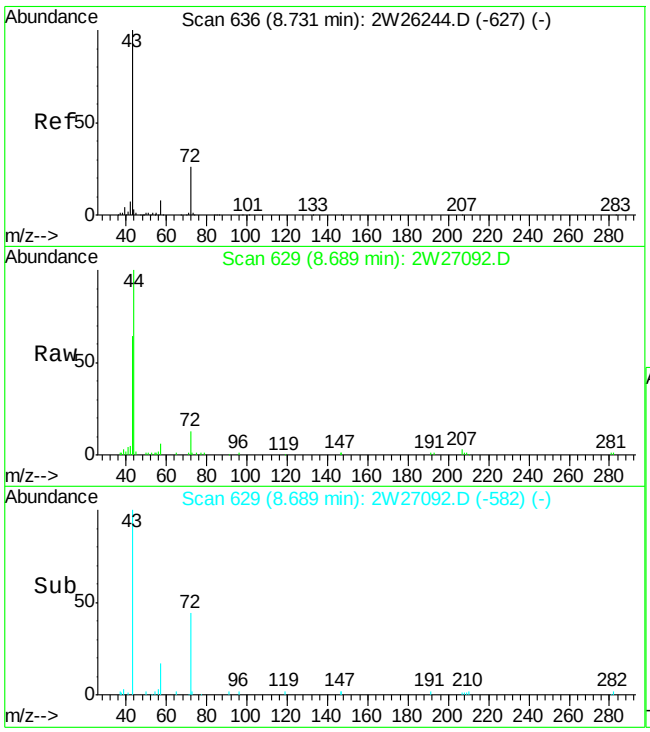


#34
HEXANE
Concen: 0.24 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 57 Resp: 19136

Ion	Ratio	Lower	Upper
57	100		
56	57.0	32.4	72.4
41	87.2	77.6	117.6

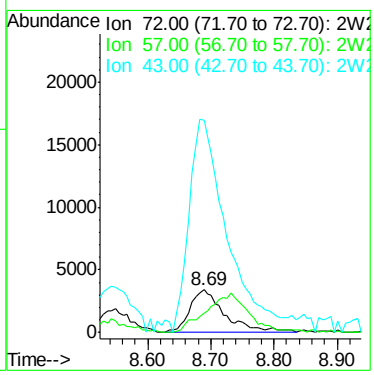


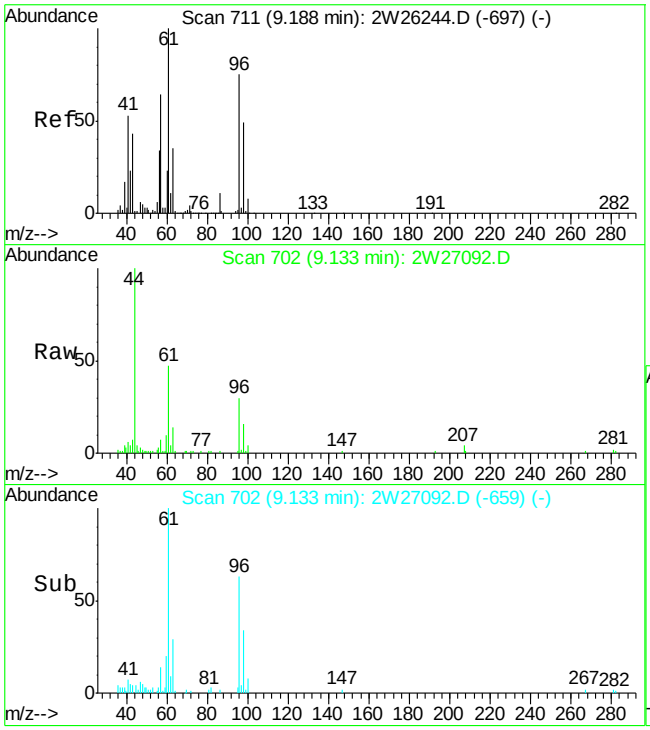


#37
METHYL ETHYL KETONE
Concen: 0.63 PPBV
RT: 8.69 min Scan# 629
Delta R.T. 0.04 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 72 Resp: 13245

Ion	Ratio	Lower	Upper
72	100		
57	46.5	13.8	53.8
43	499.8	389.3	429.3#

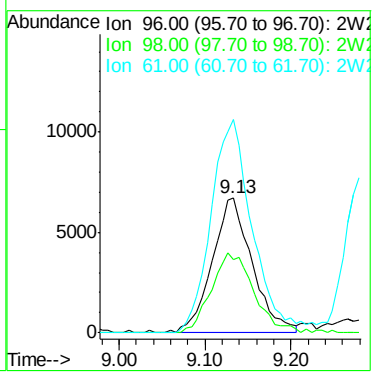


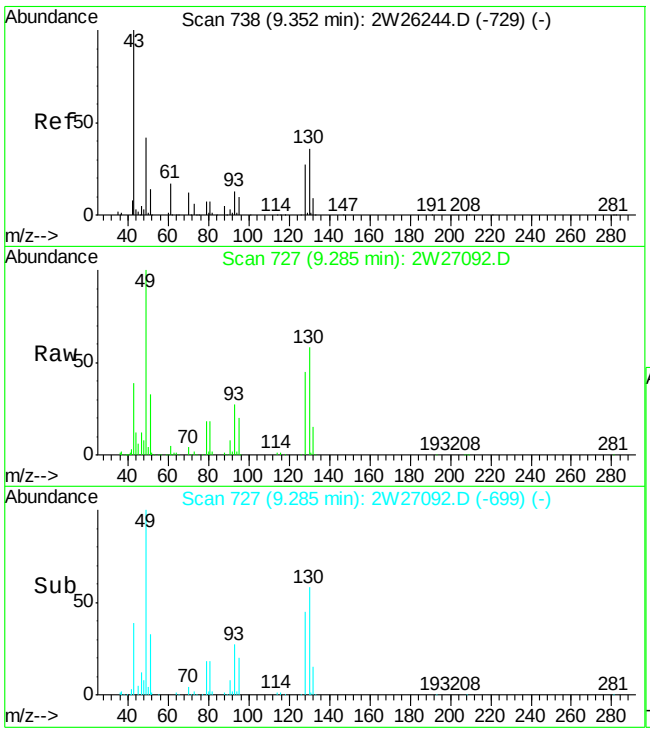


#38
cis-1,2-DICHLOROETHYLENE
Concen: 0.44 PPBV
RT: 9.13 min Scan# 702
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 96 Resp: 21705

Ion	Ratio	Lower	Upper
96	100		
98	62.7	44.4	84.4
61	164.2	118.1	158.1#

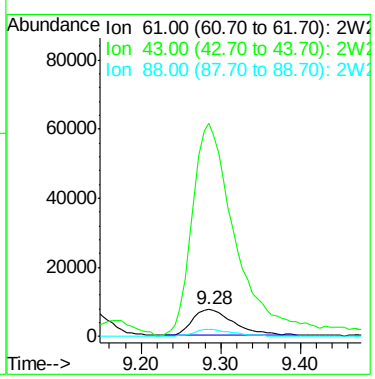


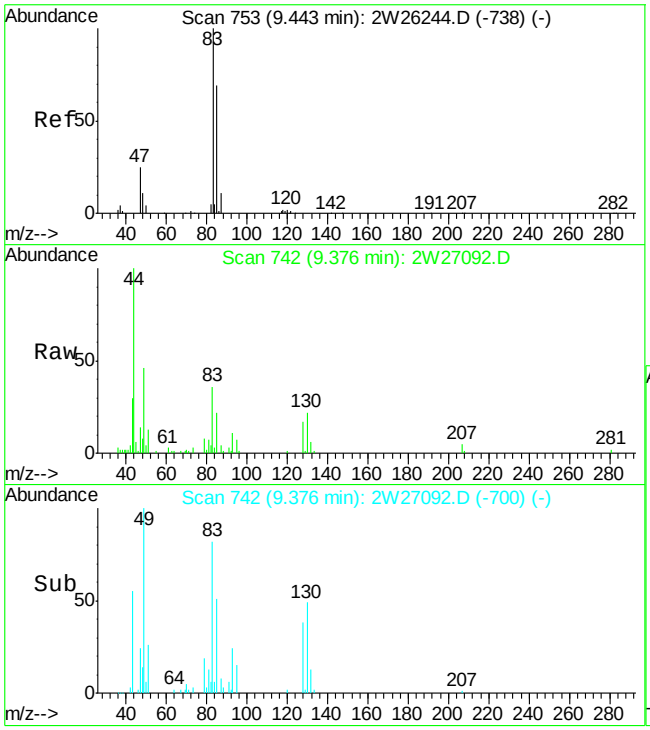


#39
ETHYL ACETATE
Concen: 1.98 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 61 Resp: 26329

Ion	Ratio	Lower	Upper
61	100		
43	867.7	606.5	646.5#
88	29.3	4.8	44.8

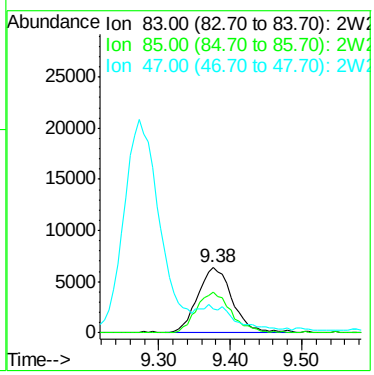


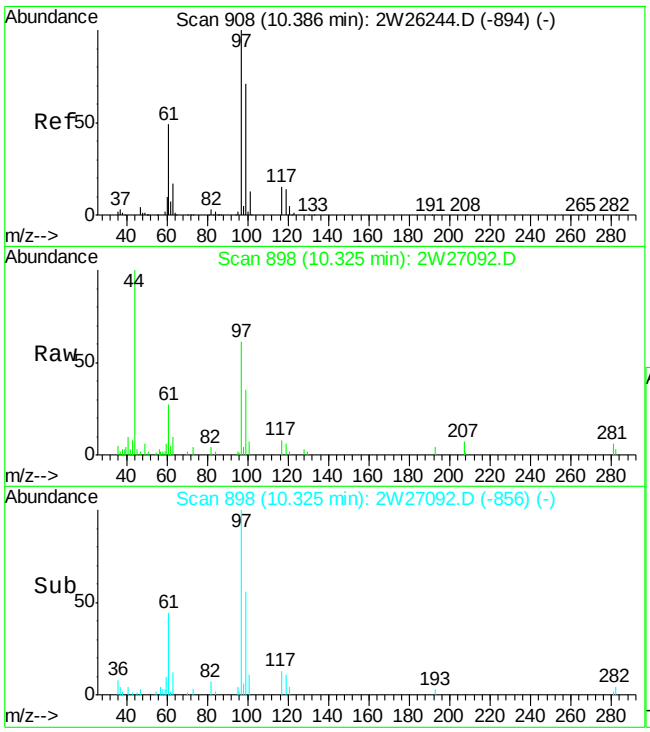


#40
CHLOROFORM
Concen: 0.23 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 83 Resp: 21462

Ion	Ratio	Lower	Upper
83	100		
85	61.6	46.8	86.8
47	0.0	4.9	44.9#

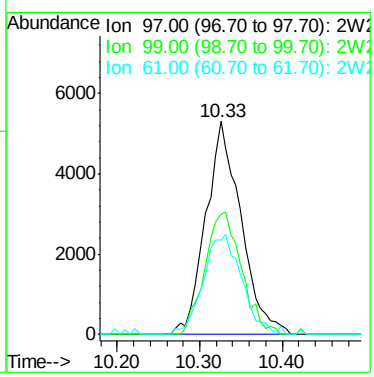


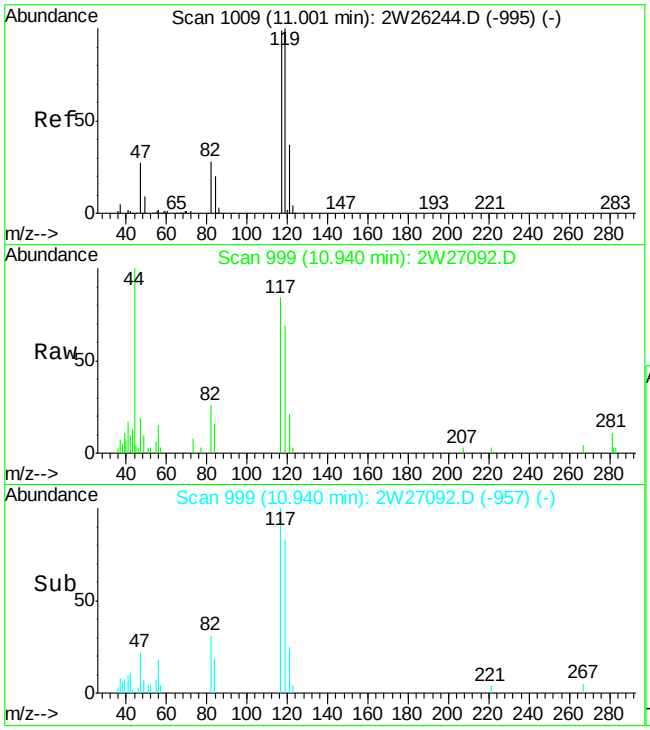


#42
1,1,1-TRICHLOROETHANE
Concen: 0.16 PPBV
RT: 10.33 min Scan# 898
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 97 Resp: 15804

Ion	Ratio	Lower	Upper
97	100		
99	59.5	46.6	86.6
61	51.0	26.4	66.4

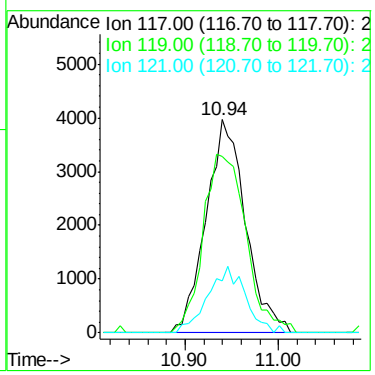


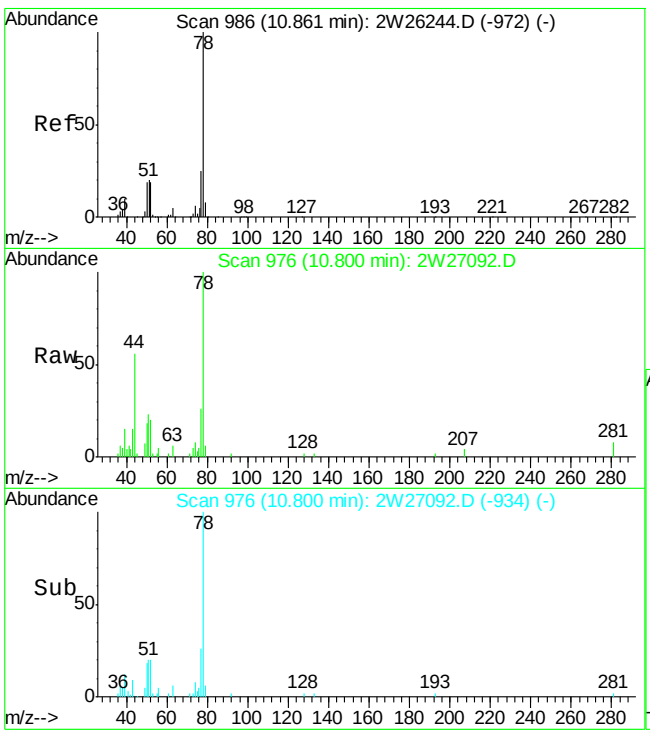


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion:117 Resp: 11729

Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.0	118.0
121	29.7	12.8	52.8

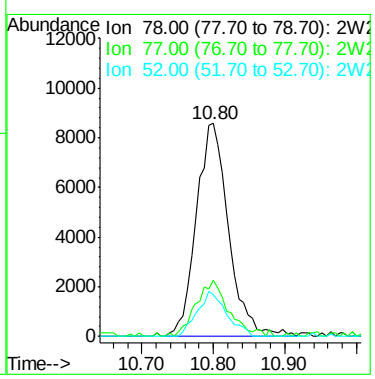


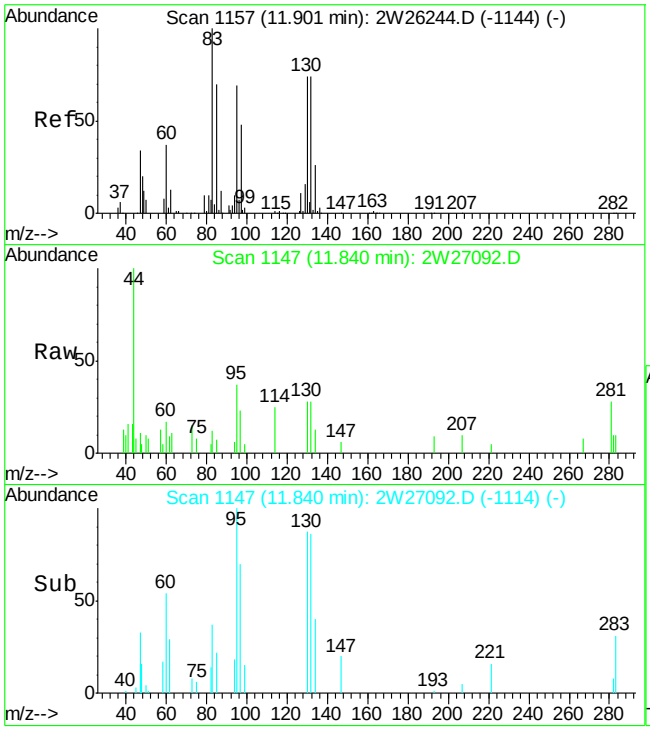


#46
BENZENE
Concen: 0.18 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 78 Resp: 26802

Ion	Ratio	Lower	Upper
78	100		
77	26.8	4.9	44.9
52	19.2	0.0	37.9

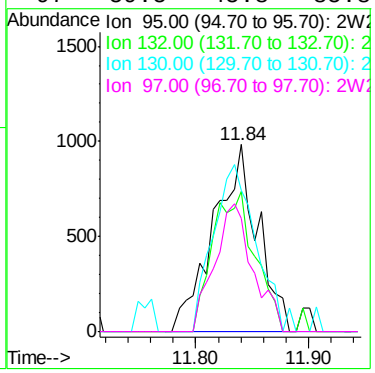


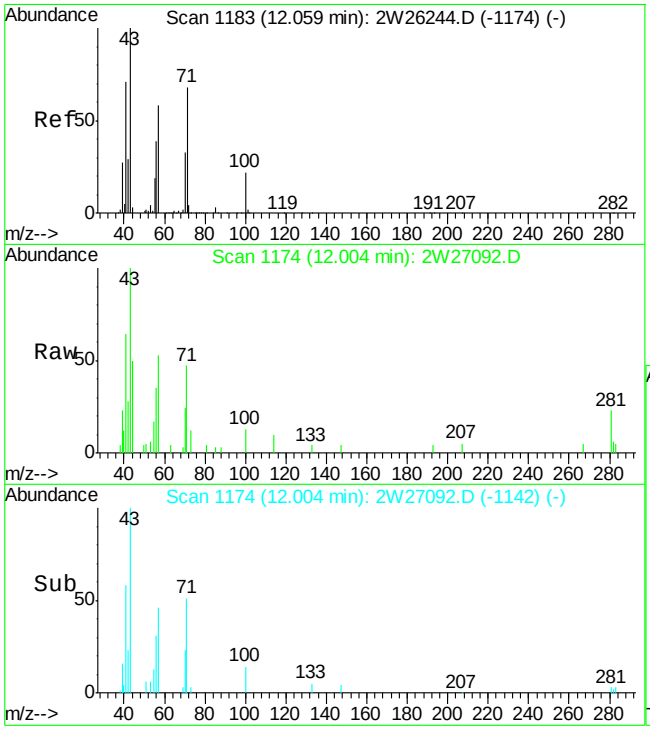


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.84 min Scan# 1147
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 95 Resp: 2653

Ion	Ratio	Lower	Upper
95	100		
132	72.2	72.7	112.7#
130	87.2	75.6	115.6
97	59.5	45.8	85.8

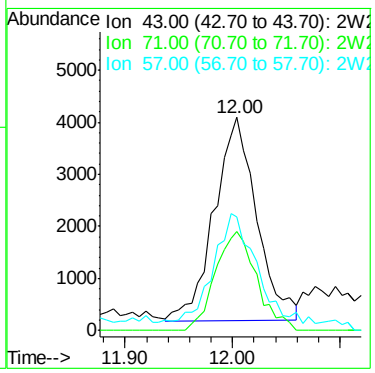


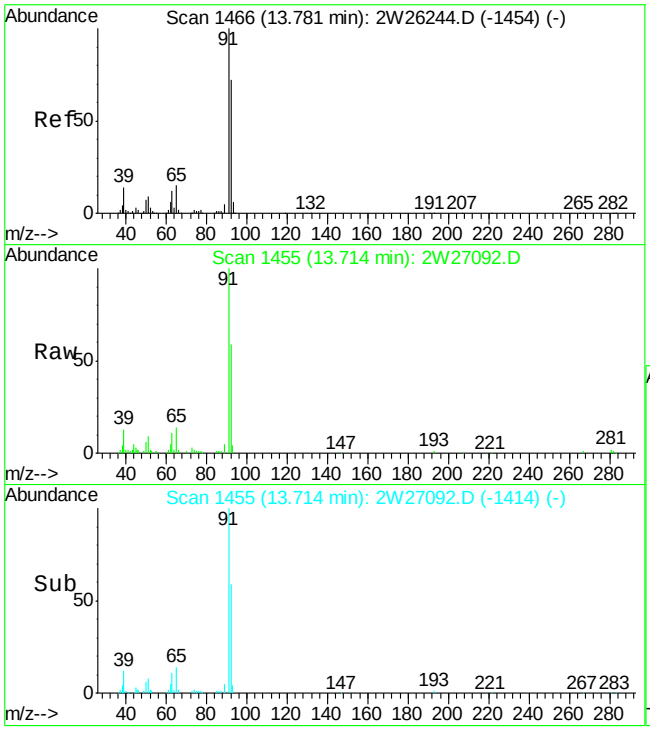


#55
HEPTANE
Concen: 0.12 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 43 Resp: 10738

Ion	Ratio	Lower	Upper
43	100		
71	47.1	41.4	81.4
57	58.8	36.9	76.9

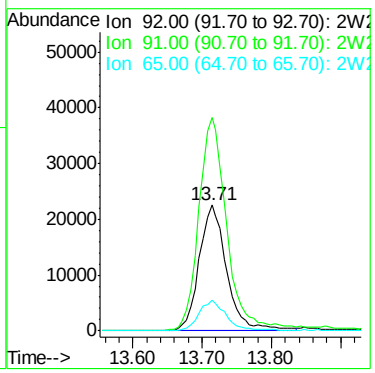


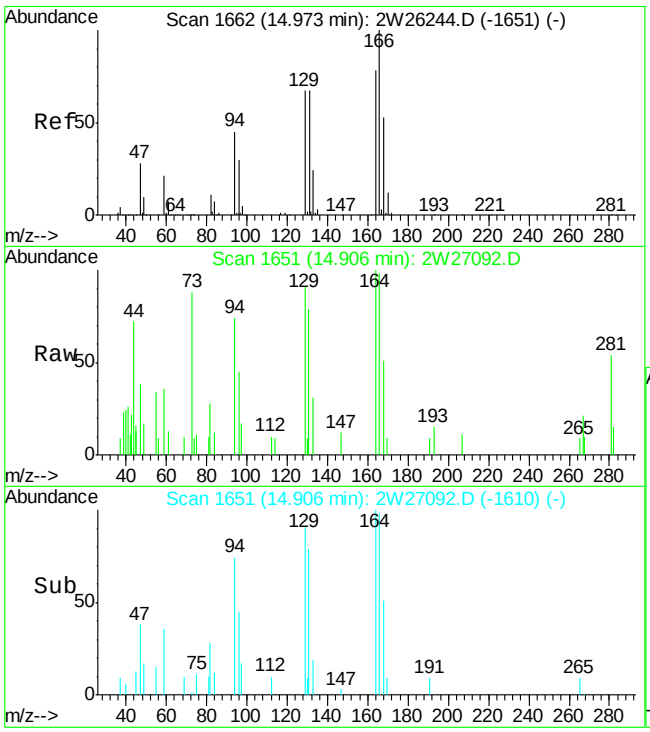


#59
TOLUENE
Concen: 0.68 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion: 92 Resp: 62330

Ion	Ratio	Lower	Upper
92	100		
91	178.3	136.6	176.6#
65	23.6	0.9	40.9

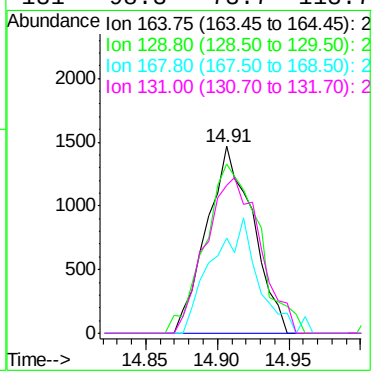


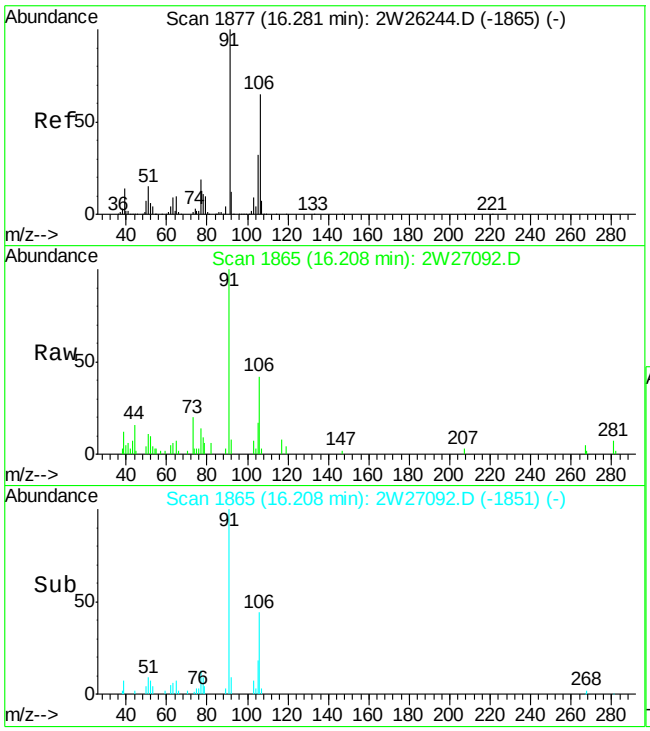


#64
TETRACHLOROETHYLENE
Concen: 0.06 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion:164 Resp: 3298

Ion	Ratio	Lower	Upper
164	100		
129	105.7	76.6	116.6
168	62.1	44.5	84.5
131	98.3	73.7	113.7

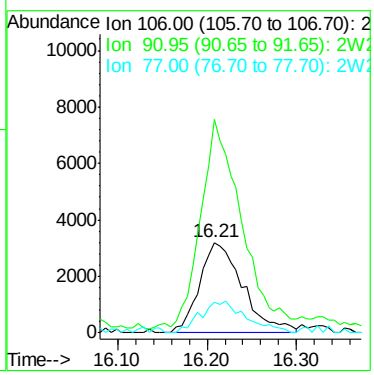




#71
m,p-XYLENE
Concen: 0.17 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27092.D
Acq: 4 May 2010 7:31 pm

Tgt Ion:106 Resp: 10701

Ion	Ratio	Lower	Upper
106	100		
91	236.9	138.6	207.8#
77	33.6	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27093.D Vial: 9
Acq On : 4 May 2010 8:14 pm Operator: yunxiac
Sample : ja45062-5 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:31 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

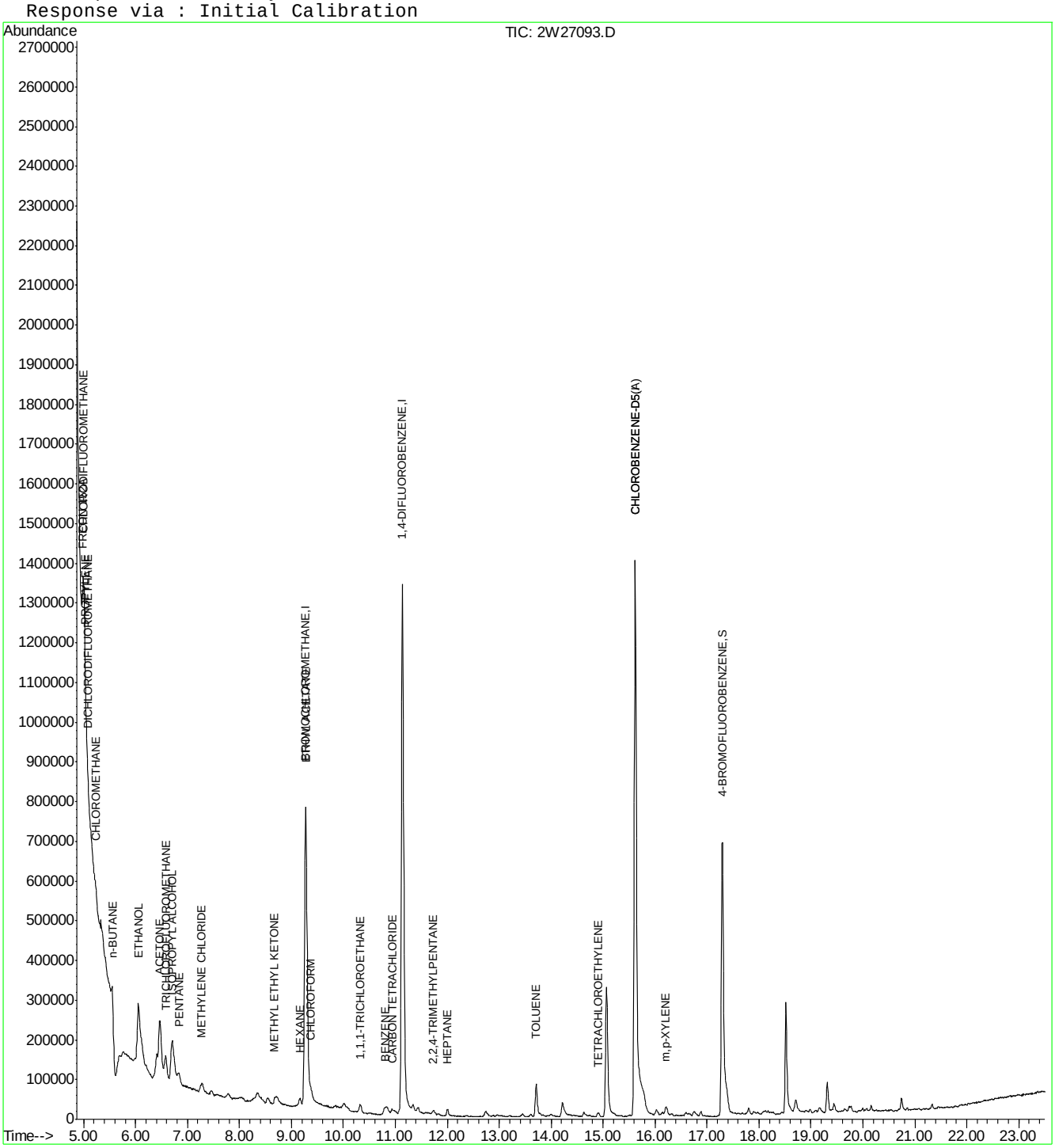
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	309299	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1611391	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	879346	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	879346	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	429322	4.70	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	91646	0.64	PPBV	#	92
4) FREON 152A	4.97	65	11961	0.25	PPBV	#	48
5) CHLORODIFLUOROMETHANE	5.01	67	197973	12.20	PPBV		99
6) PROPYLENE	5.04	41	29437	0.48	PPBV	#	55
9) CHLOROMETHANE	5.24	52	12887	0.55	PPBV		96
12) n-BUTANE	5.57	43	97483	0.87	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	101725	0.84	PPBV		99
18) ISOPROPYL ALCOHOL	6.70	45	335434	3.82	PPBV		90
19) ACETONE	6.47	58	113251	4.69	PPBV	#	73
20) PENTANE	6.83	42	20574	0.33	PPBV	#	81
25) ETHANOL	6.06	45	450239	18.45	PPBV		98
27) METHYLENE CHLORIDE	7.28	84	14380	0.33	PPBV		98
34) HEXANE	9.16	57	13374	0.16	PPBV		92
37) METHYL ETHYL KETONE	8.68	72	9194	0.41	PPBV		98
39) ETHYL ACETATE	9.29	61	25294	1.80	PPBV	#	56
40) CHLOROFORM	9.38	83	21358	0.21	PPBV	#	85
42) 1,1,1-TRICHLOROETHANE	10.32	97	20480	0.19	PPBV		94
43) CARBON TETRACHLORIDE	10.94	117	11924	0.11	PPBV		98
46) BENZENE	10.80	78	24194	0.14	PPBV		100
52) 2,2,4-TRIMETHYLPENTANE	11.73	57	14332	0.05	PPBV		75
55) HEPTANE	11.99	43	10349	0.10	PPBV		89
59) TOLUENE	13.71	92	52610	0.52	PPBV		88
64) TETRACHLOROETHYLENE	14.91	164	2809	0.05	PPBV		91
71) m,p-XYLENE	16.21	106	10670	0.14	PPBV		79

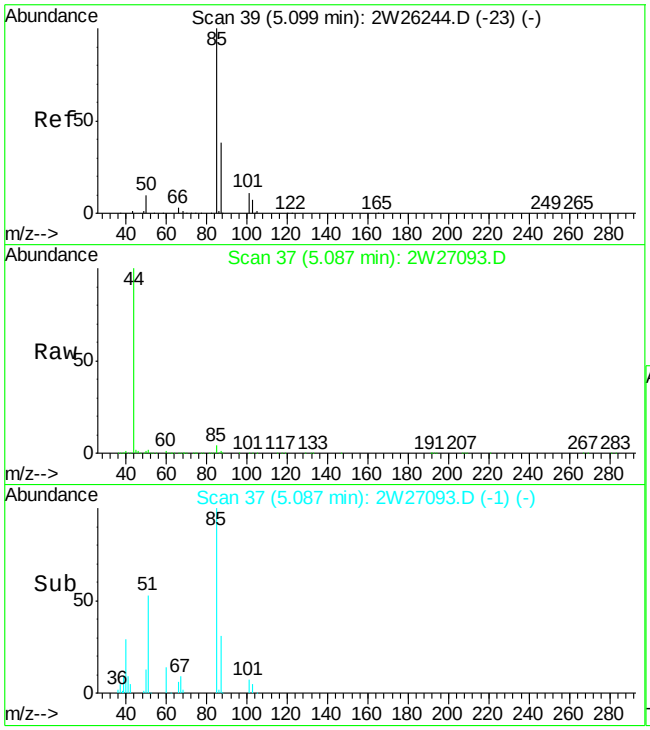
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27093.D Vial: 9
Acq On : 4 May 2010 8:14 pm Operator: yunxiac
Sample : ja45062-5 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:31 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

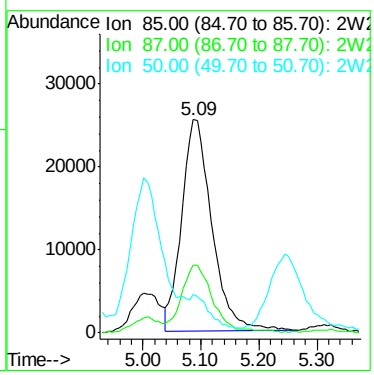


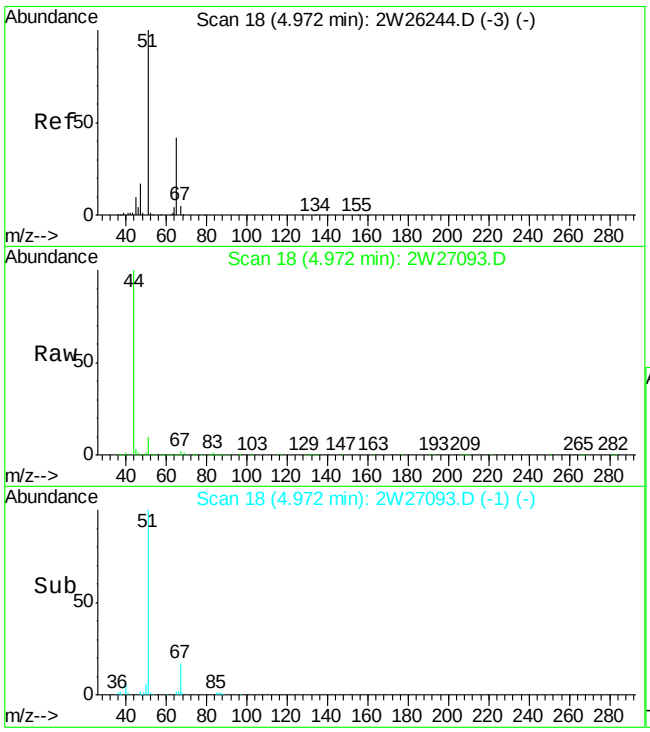


#3
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 5.09 min Scan# 37
Delta R.T. -0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 85 Resp: 91646

Ion	Ratio	Lower	Upper
85	100		
87	33.9	14.2	54.2
50	0.0	0.0	31.0

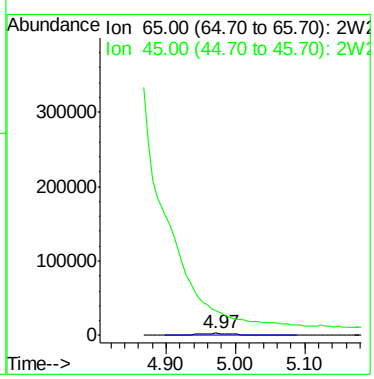


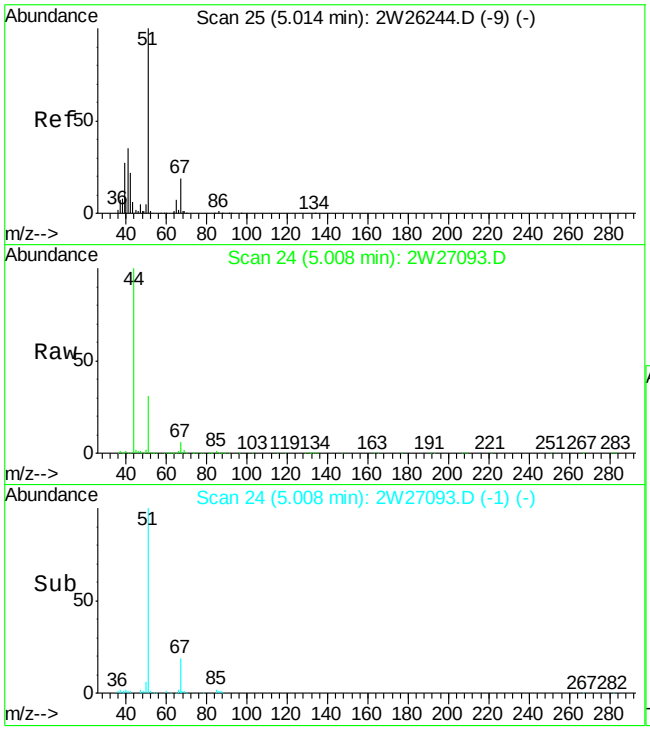


#4
FREON 152A
Concen: 0.25 PPBV
RT: 4.97 min Scan# 18
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 65 Resp: 11961

Ion	Ratio	Lower	Upper
65	100		
45	0.0	6.6	46.6#

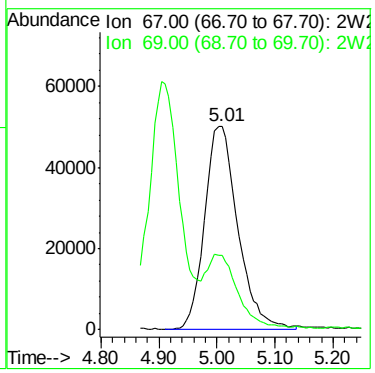


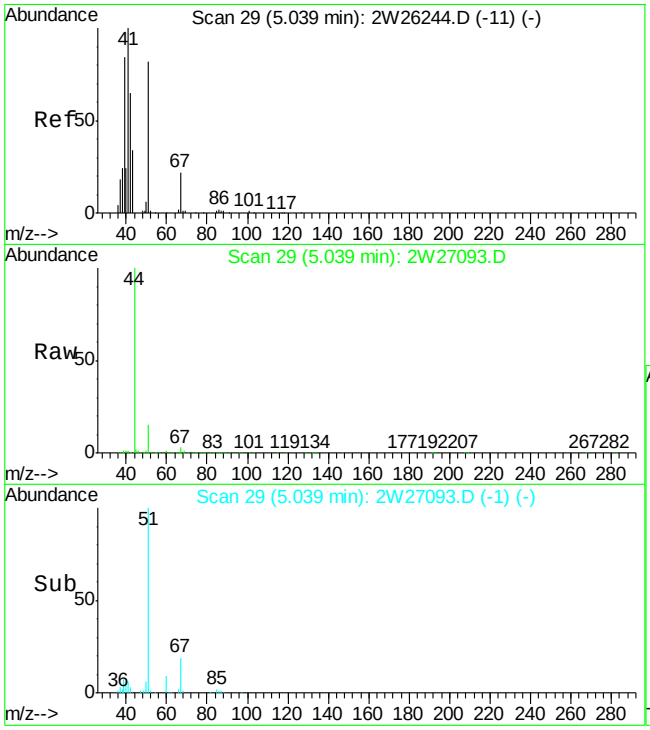


#5
CHLORODIFLUOROMETHANE
Concen: 12.20 PPBV
RT: 5.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 67 Resp: 197973

Ion	Ratio	Lower	Upper
67	100		
69	32.9	13.6	53.6

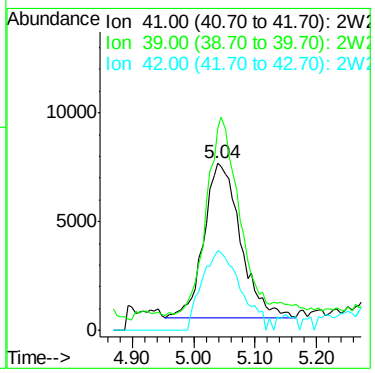


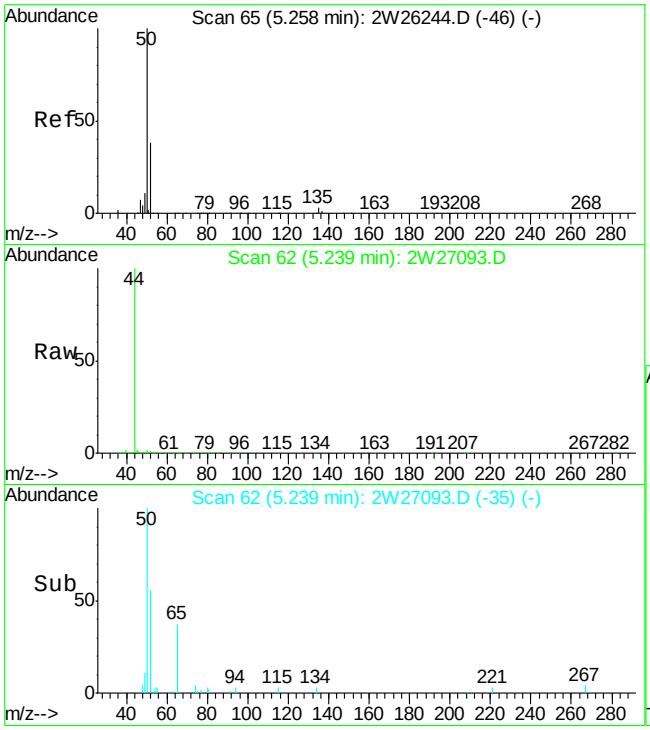


#6
PROPYLENE
Concen: 0.48 PPBV
RT: 5.04 min Scan# 29
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 41 Resp: 29437

Ion	Ratio	Lower	Upper
41	100		
39	120.2	47.9	87.9#
42	47.6	47.3	87.3

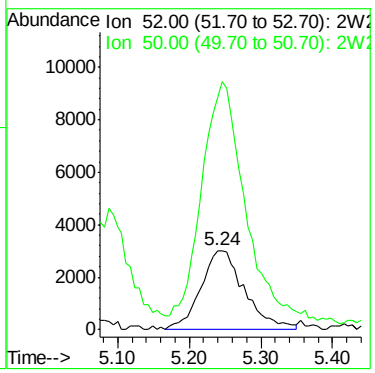


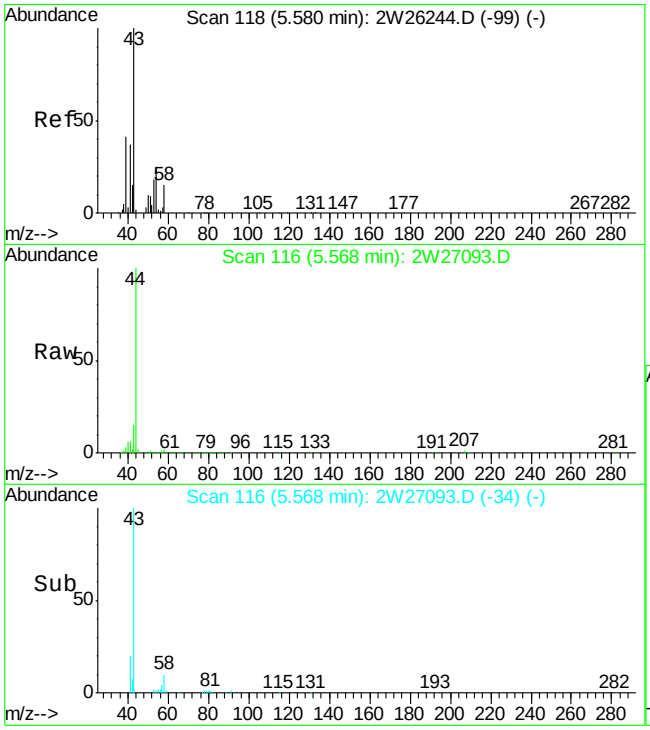


#9
CHLOROMETHANE
Concen: 0.55 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 52 Resp: 12887

Ion	Ratio	Lower	Upper
52	100		
50	280.4	268.7	308.7

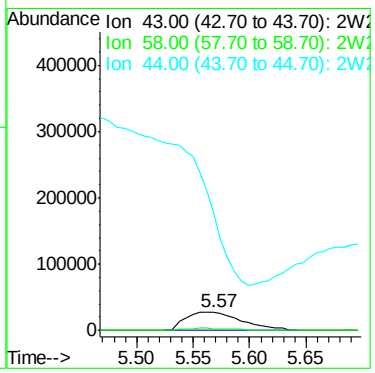


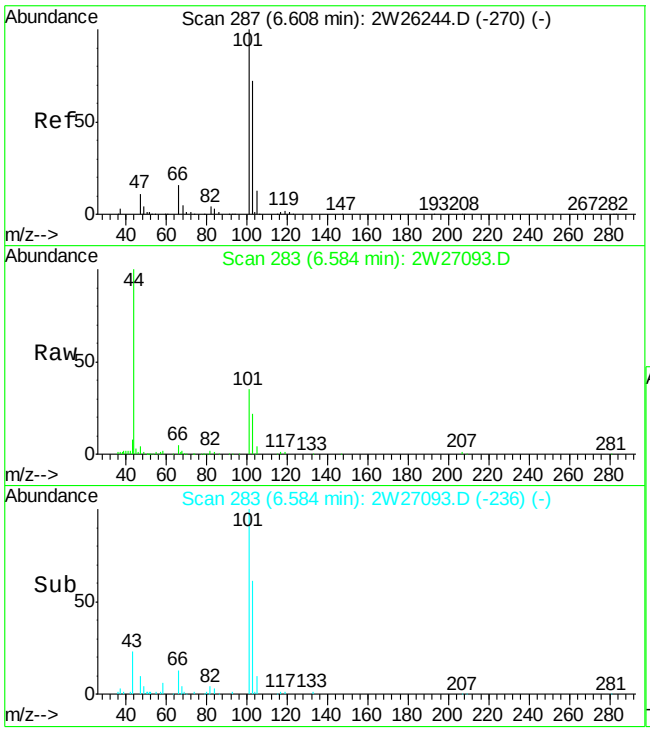


#12
n-BUTANE
Concen: 0.87 PPBV
RT: 5.57 min Scan# 116
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 43 Resp: 97483

Ion	Ratio	Lower	Upper
43	100		
58	13.1	10.6	15.8
44	0.0	2.3	3.5#

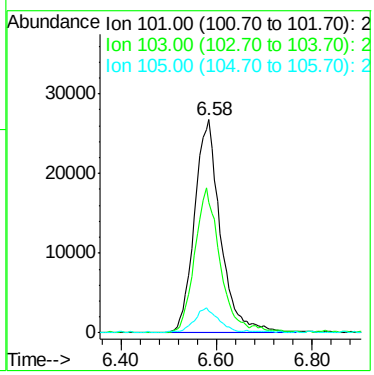


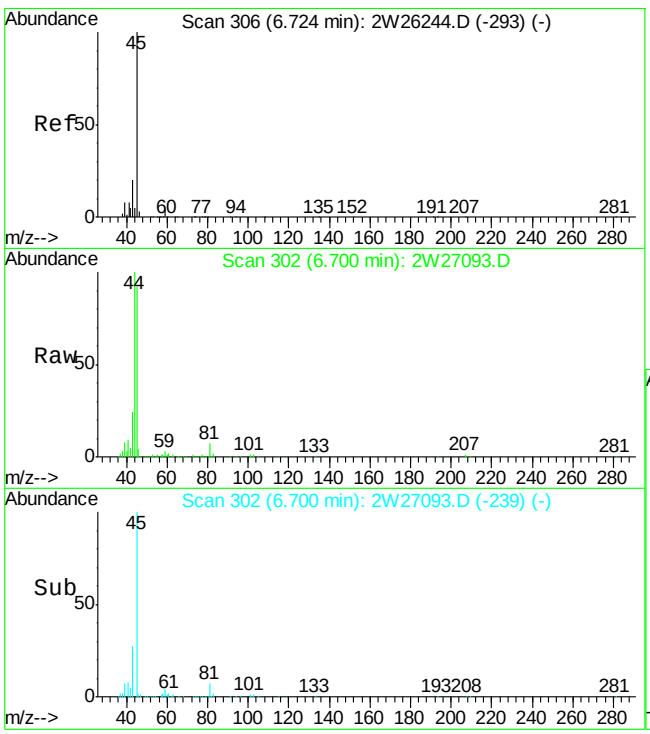


#17
TRICHLOROFLUOROMETHANE
Concen: 0.84 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion:101 Resp: 101725

Ion	Ratio	Lower	Upper
101	100		
103	67.3	46.7	86.7
105	12.0	0.0	31.2

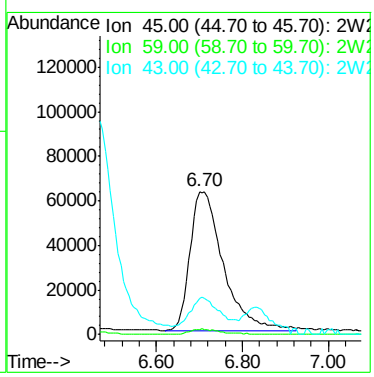


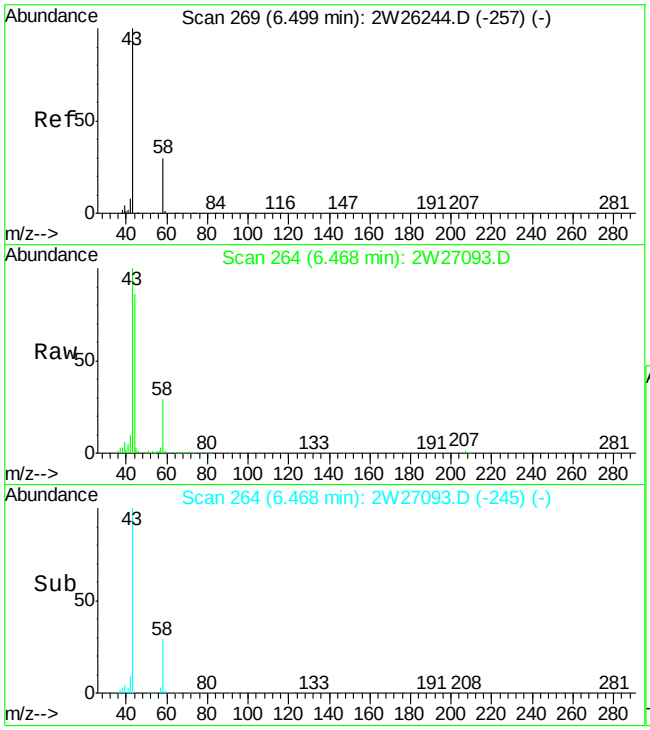


#18
ISOPROPYL ALCOHOL
Concen: 3.82 PPBV
RT: 6.70 min Scan# 302
Delta R.T. 0.03 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 45 Resp: 335434

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.1
43	25.6	0.2	40.2

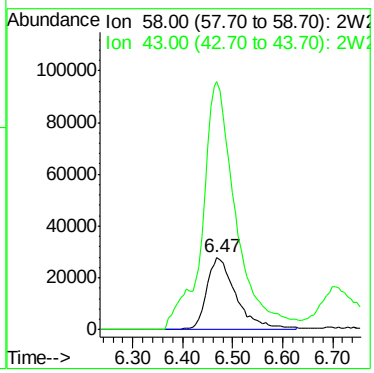


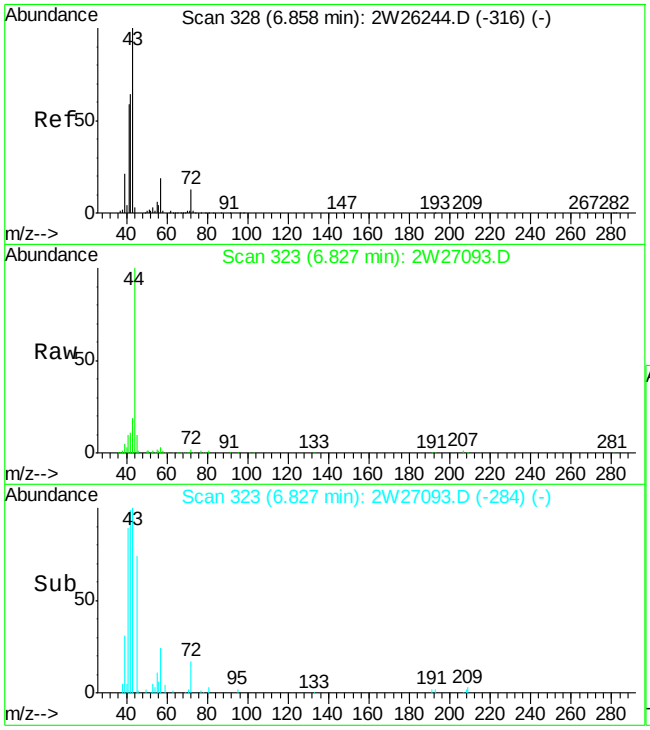


#19
ACETONE
Concen: 4.69 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 58 Resp: 113251

Ion	Ratio	Lower	Upper
58	100		
43	393.8	315.8	355.8#

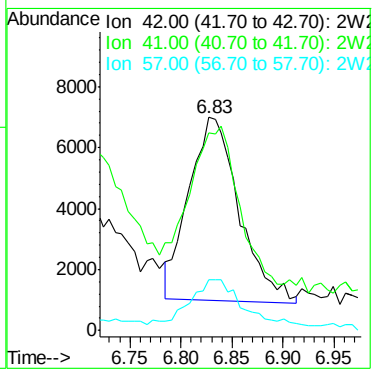


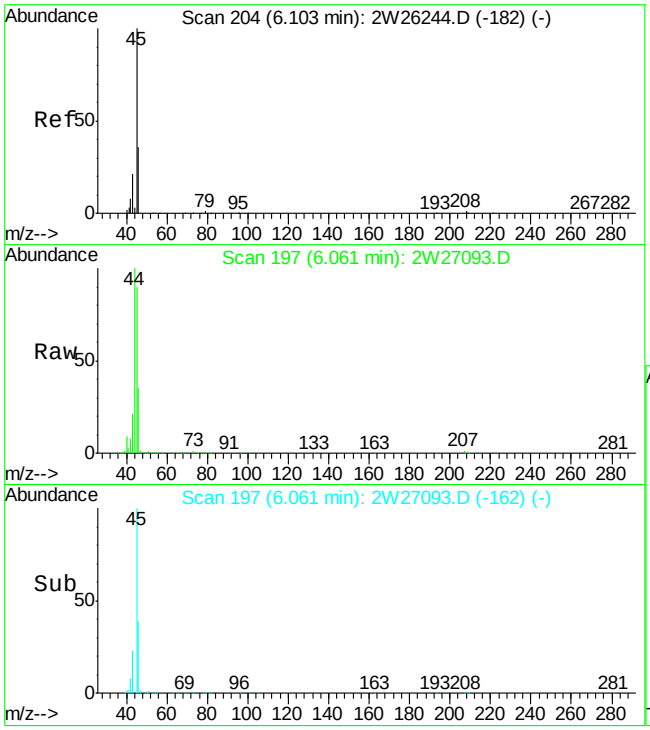


#20
PENTANE
Concen: 0.33 PPBV
RT: 6.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 42 Resp: 20574

Ion	Ratio	Lower	Upper
42	100		
41	110.3	67.5	107.5#
57	26.6	6.1	46.1

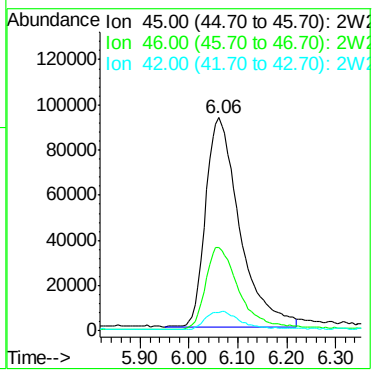


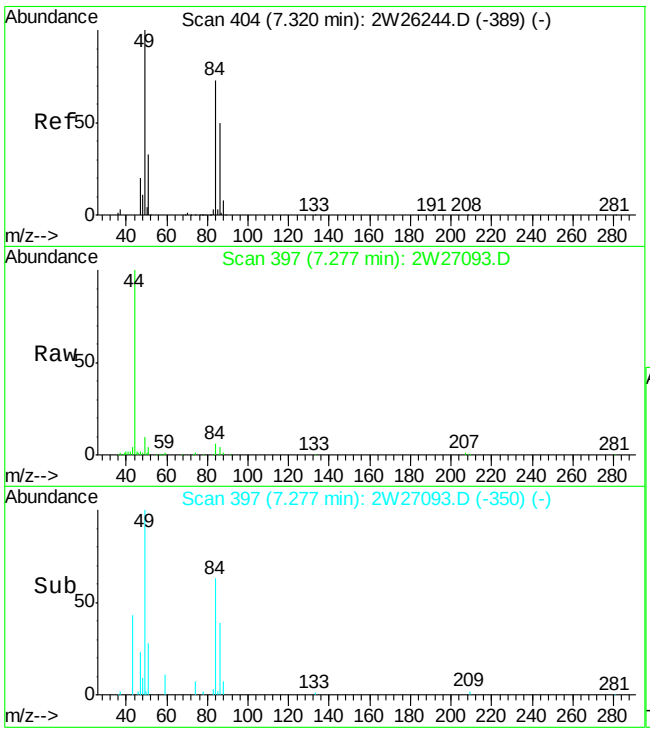


#25
ETHANOL
Concen: 18.45 PPBV
RT: 6.06 min Scan# 197
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 45 Resp: 450239

Ion	Ratio	Lower	Upper
45	100		
46	38.8	9.3	69.3
42	9.6	0.0	37.7

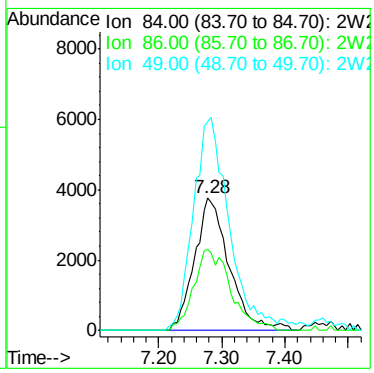


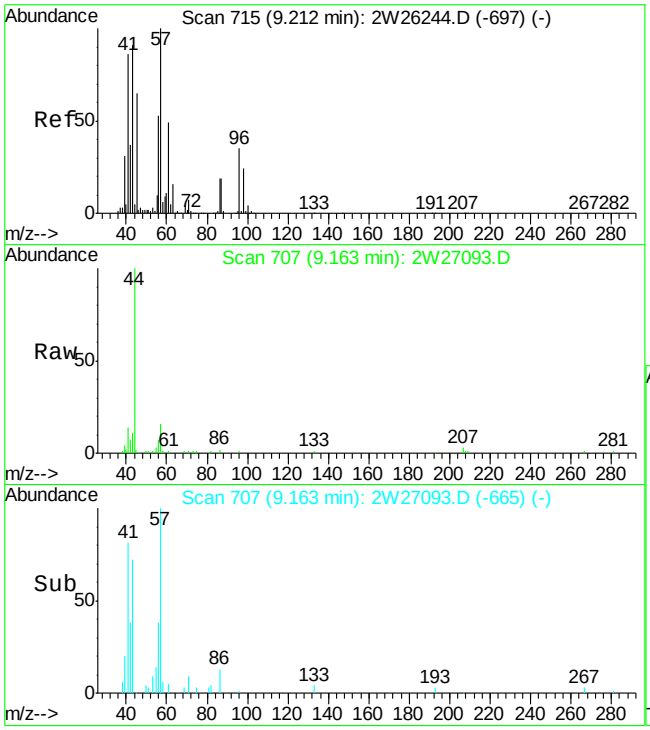


#27
METHYLENE CHLORIDE
Concen: 0.33 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 84 Resp: 14380

Ion	Ratio	Lower	Upper
84	100		
86	65.2	44.9	84.9
49	163.9	0.0	360.7

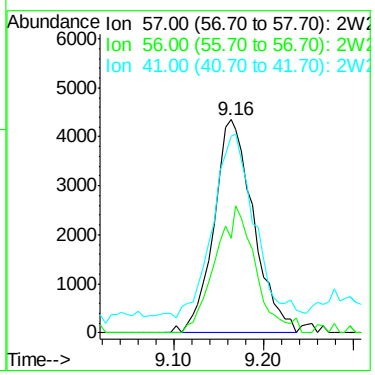


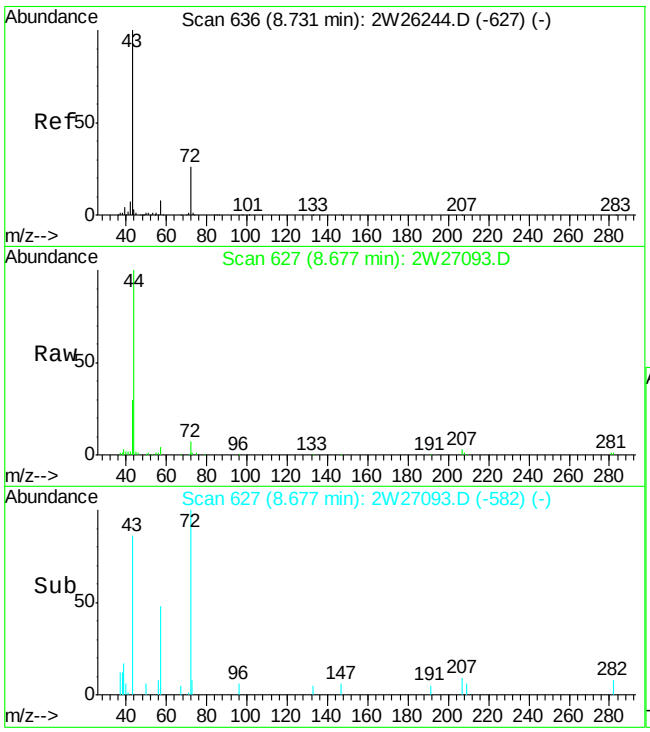


#34
HEXANE
Concen: 0.16 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 57 Resp: 13374

Ion	Ratio	Lower	Upper
57	100		
56	60.2	32.4	72.4
41	90.7	77.6	117.6

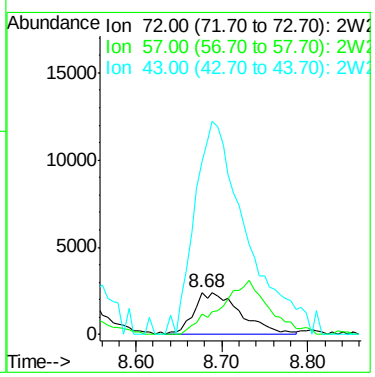


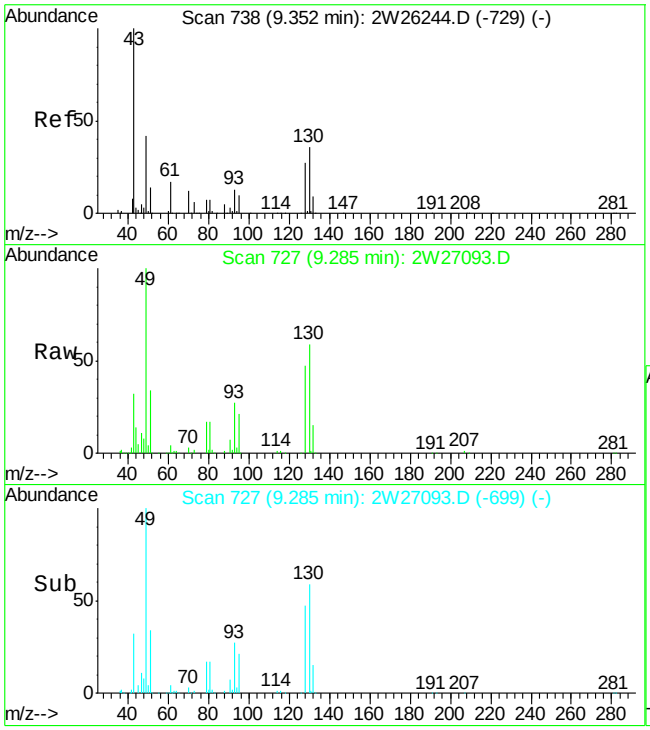


#37
METHYL ETHYL KETONE
Concen: 0.41 PPBV
RT: 8.68 min Scan# 627
Delta R.T. 0.02 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 72 Resp: 9194

Ion	Ratio	Lower	Upper
72	100		
57	47.6	13.8	53.8
43	409.7	389.3	429.3

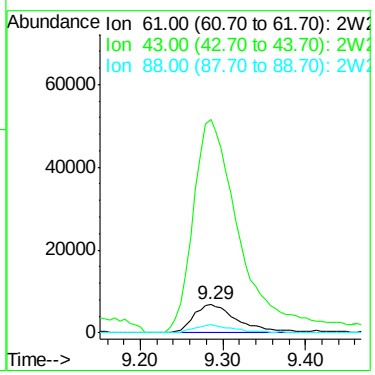


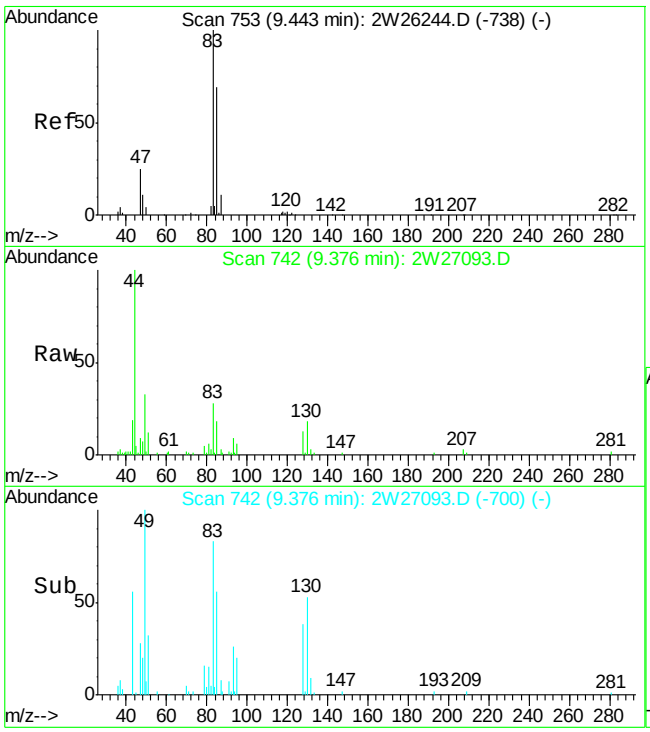


#39
ETHYL ACETATE
Concen: 1.80 PPBV
RT: 9.29 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 61 Resp: 25294

Ion	Ratio	Lower	Upper
61	100		
43	772.3	606.5	646.5#
88	25.0	4.8	44.8

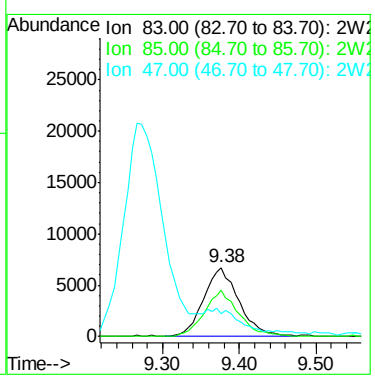


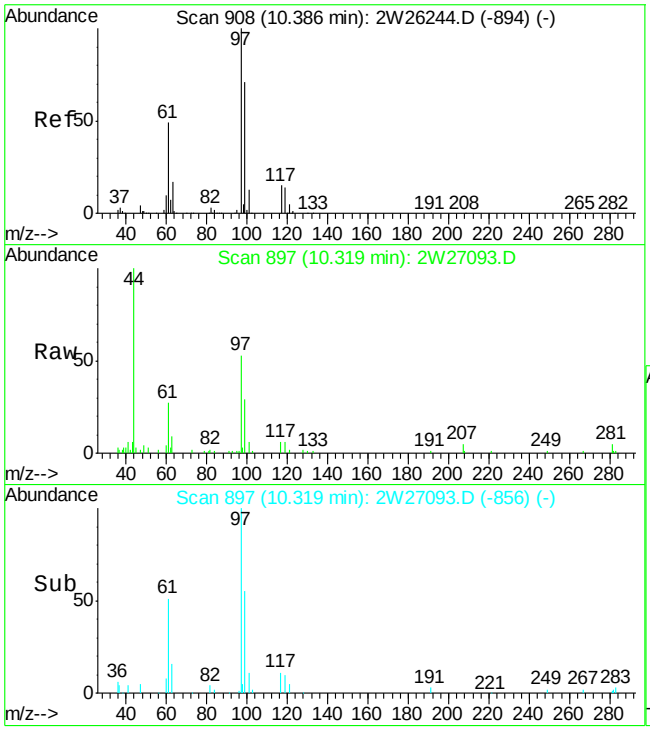


#40
CHLOROFORM
Concen: 0.21 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 83 Resp: 21358

Ion	Ratio	Lower	Upper
83	100		
85	64.9	46.8	86.8
47	0.0	4.9	44.9#

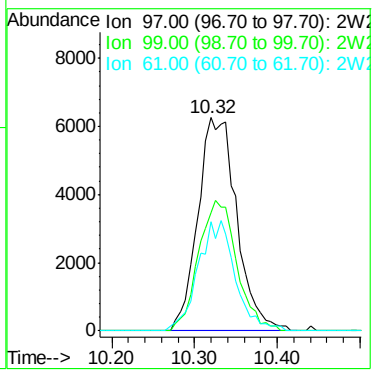


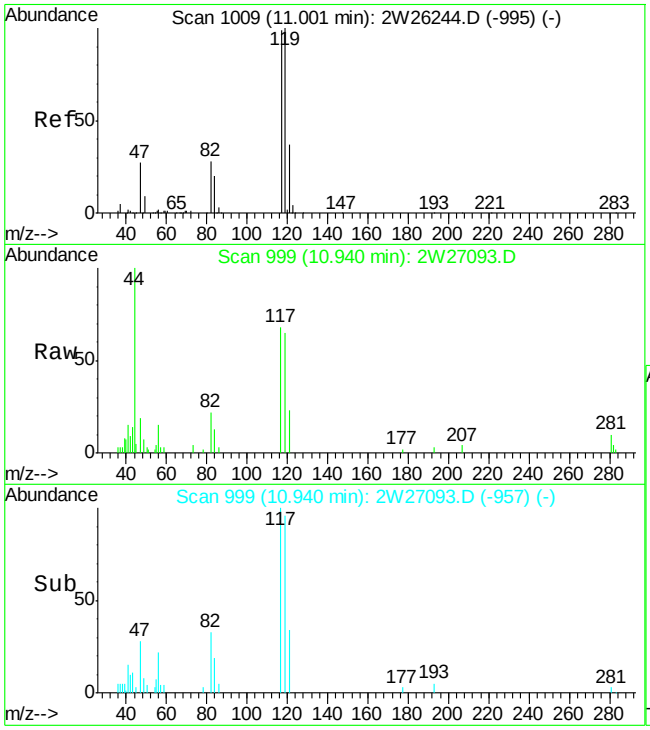


#42
1,1,1-TRICHLOROETHANE
Concen: 0.19 PPBV
RT: 10.32 min Scan# 897
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 97 Resp: 20480

Ion	Ratio	Lower	Upper
97	100		
99	60.0	46.6	86.6
61	49.0	26.4	66.4

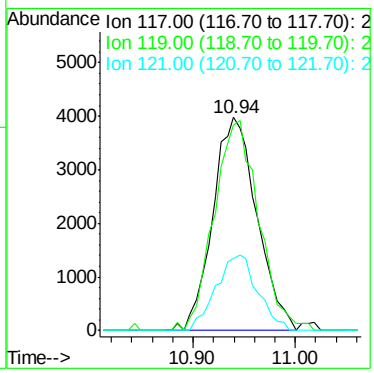


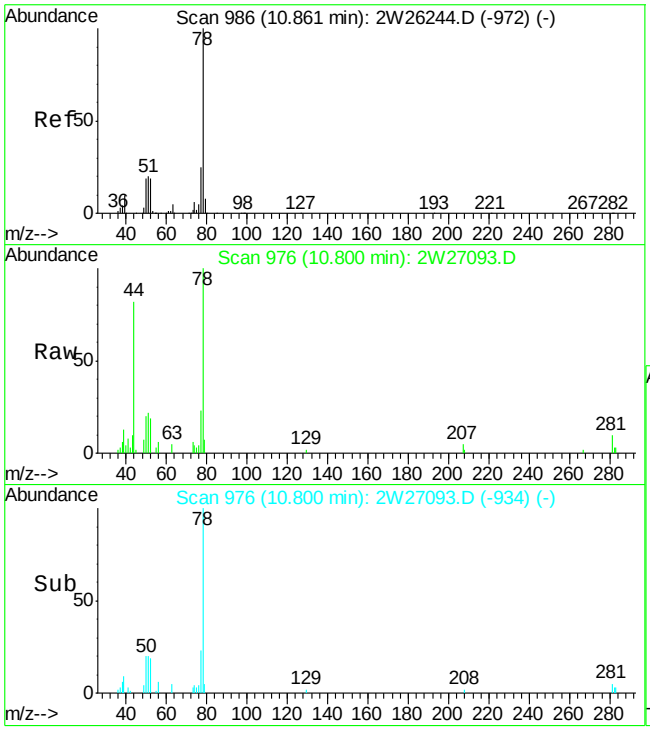


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion:117 Resp: 11924

Ion	Ratio	Lower	Upper
117	100		
119	99.7	78.0	118.0
121	33.3	12.8	52.8

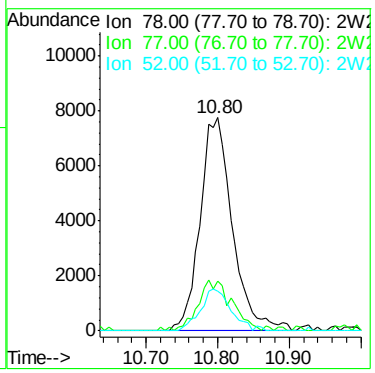


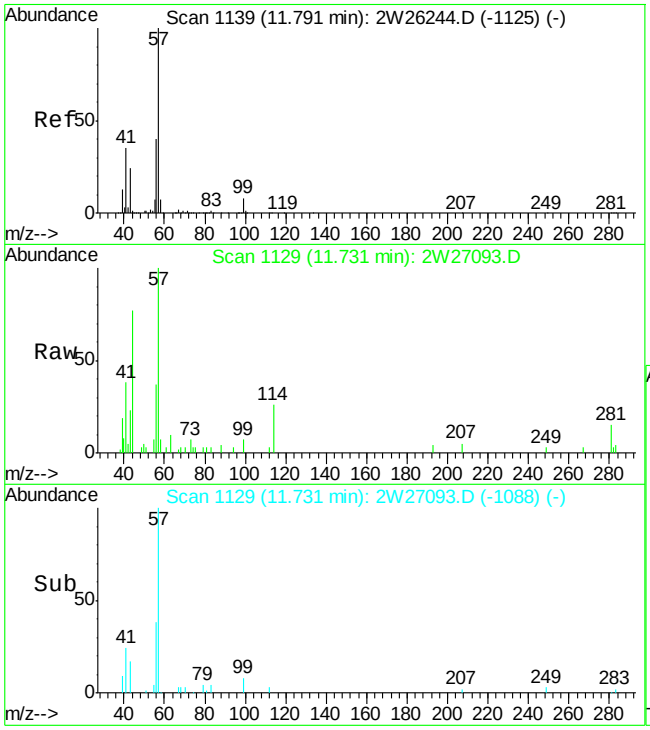


#46
BENZENE
Concen: 0.14 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 78 Resp: 24194

Ion	Ratio	Lower	Upper
78	100		
77	24.9	4.9	44.9
52	18.1	0.0	37.9

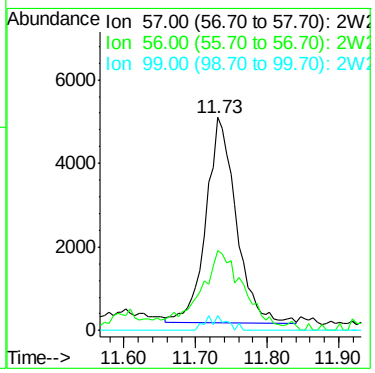


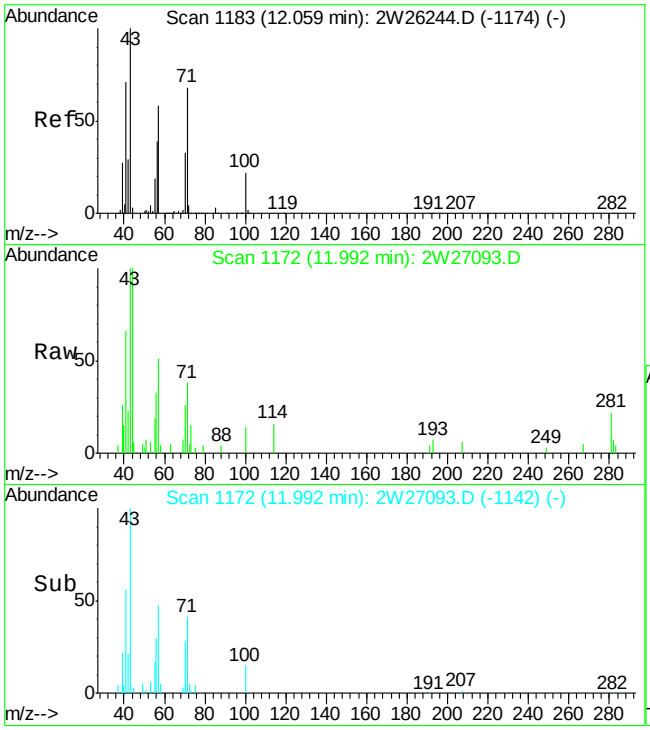


#52
2,2,4-TRIMETHYLPENTANE
Concen: 0.05 PPBV
RT: 11.73 min Scan# 1129
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 57 Resp: 14332

Ion	Ratio	Lower	Upper
57	100		
56	53.0	17.1	57.1
99	2.1	0.0	26.0

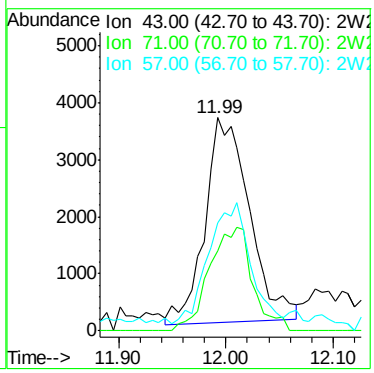


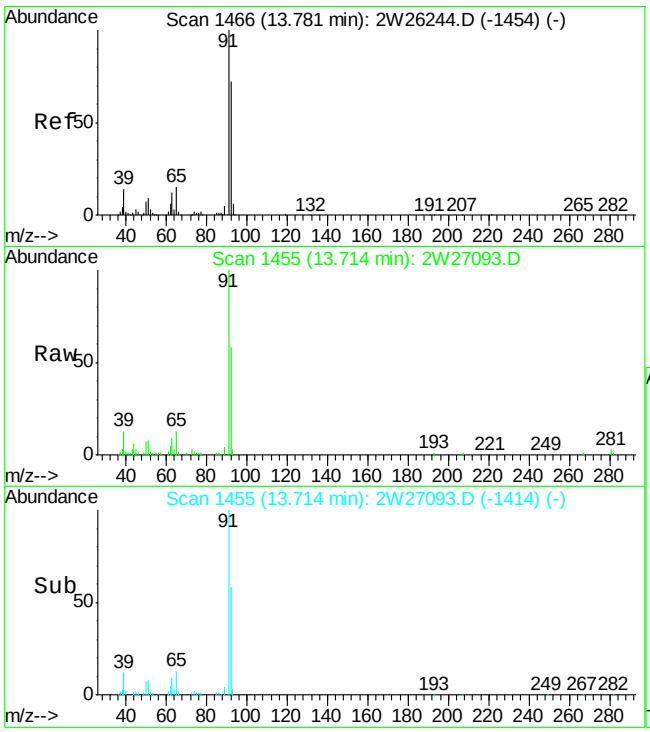


#55
HEPTANE
Concen: 0.10 PPBV
RT: 11.99 min Scan# 1172
Delta R.T. -0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 43 Resp: 10349

Ion	Ratio	Lower	Upper
43	100		
71	49.0	41.4	81.4
57	61.0	36.9	76.9

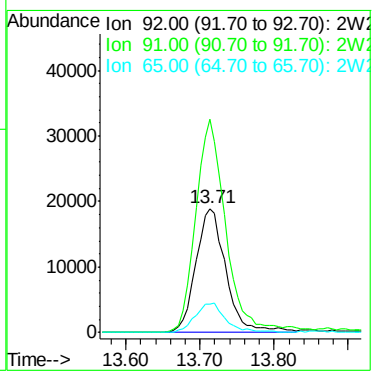


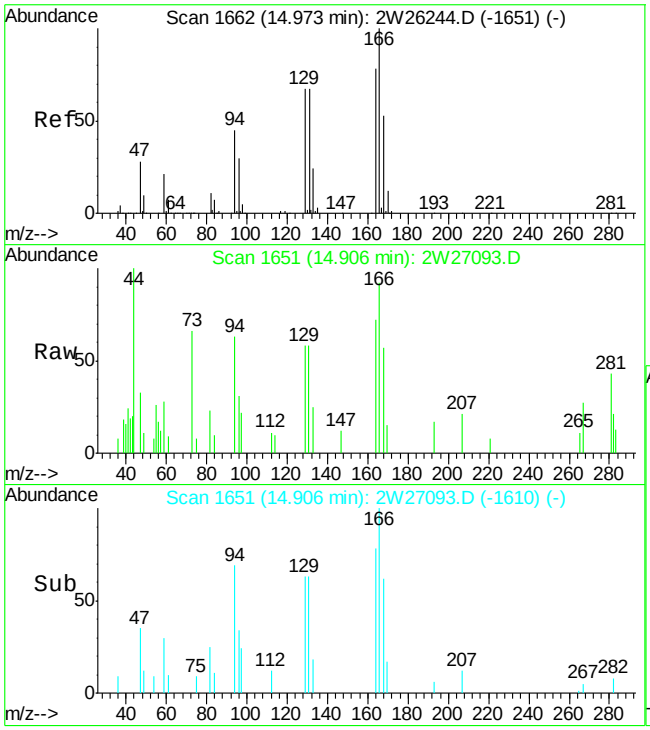


#59
TOLUENE
Concen: 0.52 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion: 92 Resp: 52610

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.6	176.6
65	23.7	0.9	40.9

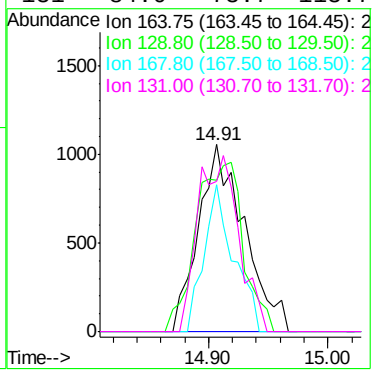


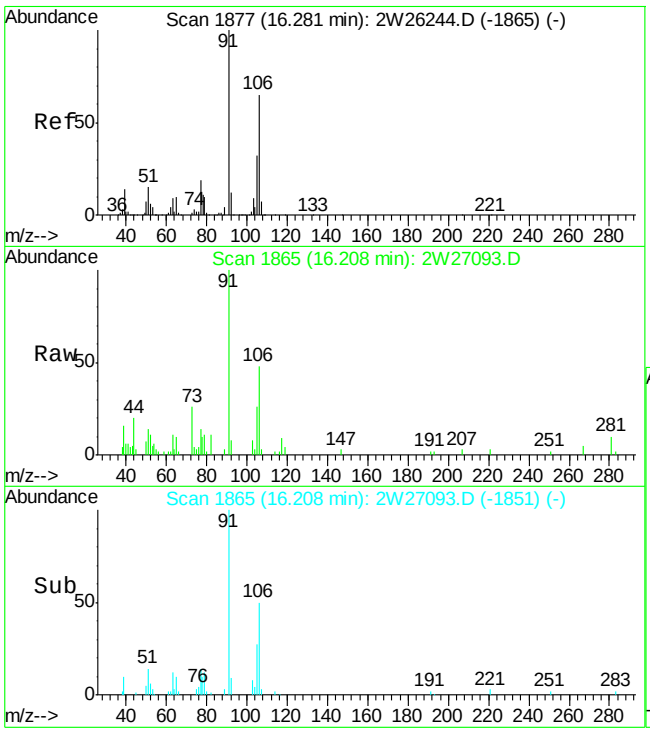


#64
TETRACHLOROETHYLENE
Concen: 0.05 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. 0.00 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion:164 Resp: 2809

Ion	Ratio	Lower	Upper
164	100		
129	93.4	76.6	116.6
168	51.1	44.5	84.5
131	84.0	73.7	113.7

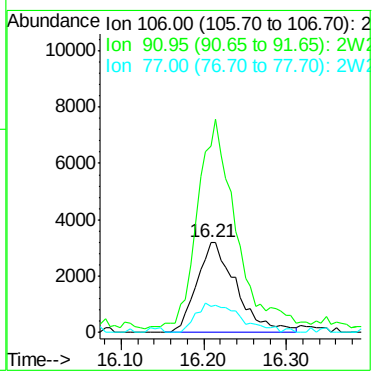




#71
m,p-XYLENE
Concen: 0.14 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27093.D
Acq: 4 May 2010 8:14 pm

Tgt Ion:106 Resp: 10670

Ion	Ratio	Lower	Upper
106	100		
91	206.3	138.6	207.8
77	28.6	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27070.D Vial: 10
Acq On : 3 May 2010 7:31 pm Operator: yunxiac
Sample : ja45062-6 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:10:51 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

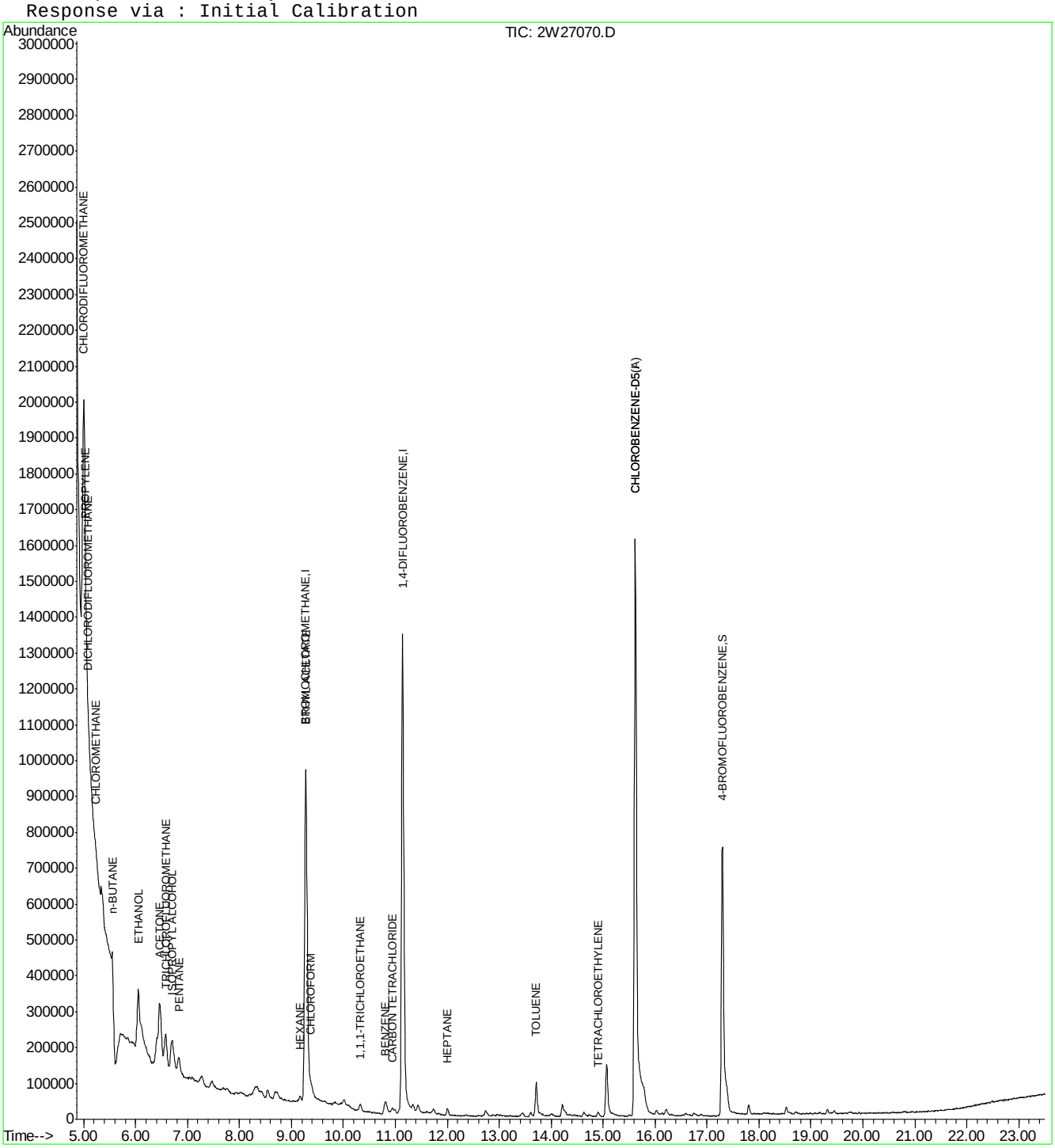
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	404349	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1700726	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	1071159	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	1070375	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	502041	4.51	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	116931	0.63	PPBV	#	91
5) CHLORODIFLUOROMETHANE	5.01	67	519964	24.51	PPBV		100
6) PROPYLENE	5.04	41	35072	0.44	PPBV	#	57
9) CHLOROMETHANE	5.24	52	18650	0.61	PPBV		95
12) n-BUTANE	5.56	43	108048	0.74	PPBV	#	96
17) TRICHLOROFLUOROMETHANE	6.58	101	170643	1.08	PPBV		99
18) ISOPROPYL ALCOHOL	6.71	45	303096	2.64	PPBV		95
19) ACETONE	6.47	58	151771	4.80	PPBV		96
20) PENTANE	6.83	42	37640	0.46	PPBV		96
25) ETHANOL	6.05	45	483357	15.15	PPBV		100
34) HEXANE	9.16	57	13647	0.13	PPBV	#	80
39) ETHYL ACETATE	9.29	61	36389	1.98	PPBV	#	85
40) CHLOROFORM	9.38	83	20504	0.16	PPBV		89
42) 1,1,1-TRICHLOROETHANE	10.33	97	17842	0.13	PPBV		96
43) CARBON TETRACHLORIDE	10.95	117	14488	0.11	PPBV		95
46) BENZENE	10.80	78	31663	0.18	PPBV		99
55) HEPTANE	12.00	43	10943	0.10	PPBV		88
59) TOLUENE	13.71	92	61424	0.57	PPBV	#	85
64) TETRACHLOROETHYLENE	14.91	164	2706	0.04	PPBV		95

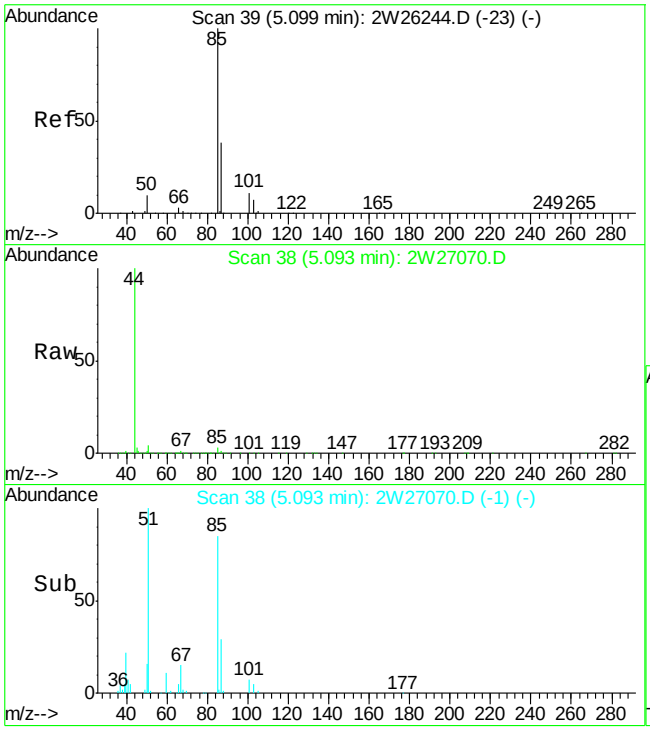
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27070.D Vial: 10
Acq On : 3 May 2010 7:31 pm Operator: yunxiac
Sample : ja45062-6 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:43 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

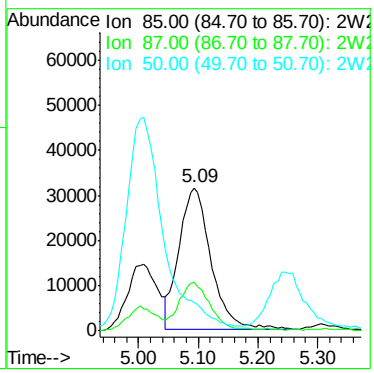


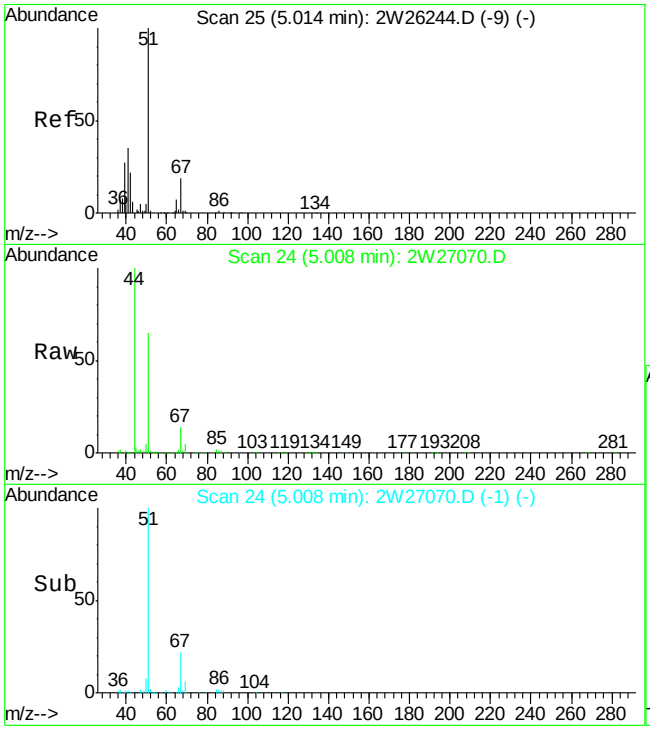


#3
DICHLORODIFLUOROMETHANE
Concen: 0.63 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 85 Resp: 116931

Ion	Ratio	Lower	Upper
85	100		
87	32.8	14.2	54.2
50	0.0	0.0	31.0

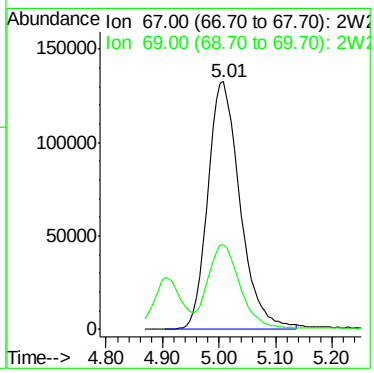


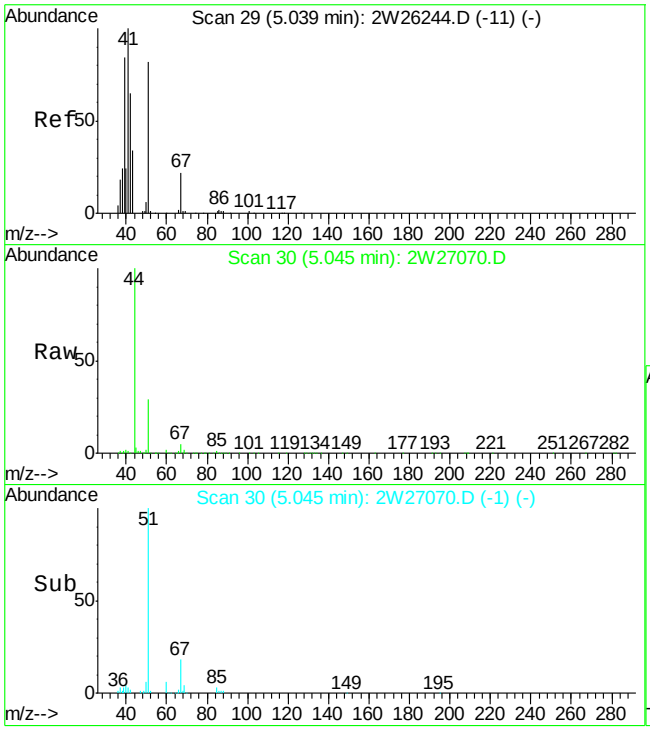


#5
CHLORODIFLUOROMETHANE
Concen: 24.51 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 67 Resp: 519964

Ion	Ratio	Lower	Upper
67	100		
69	33.4	13.6	53.6

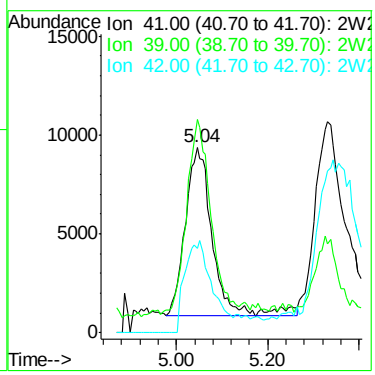


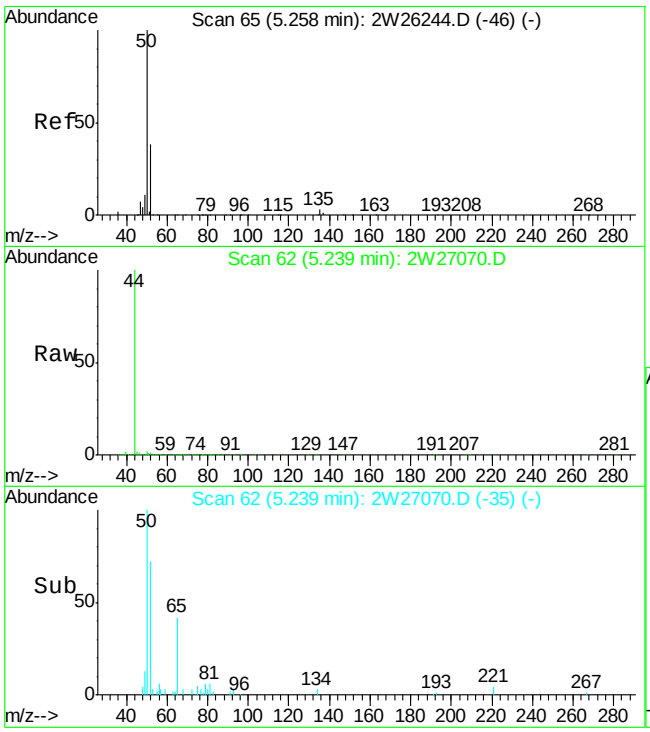


#6
PROPYLENE
Concen: 0.44 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 41 Resp: 35072

Ion	Ratio	Lower	Upper
41	100		
39	114.9	47.9	87.9#
42	45.7	47.3	87.3#

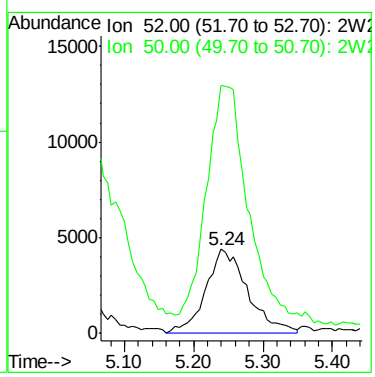


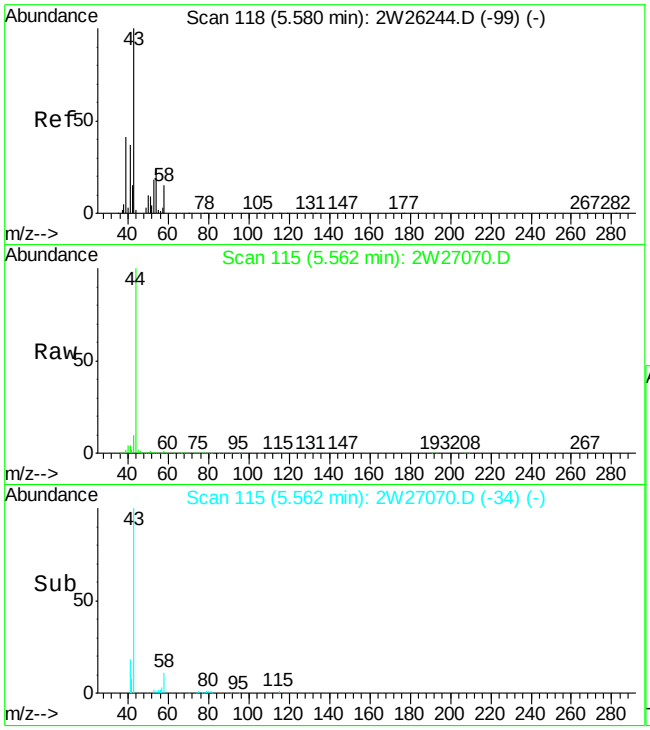


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 52 Resp: 18650

Ion	Ratio	Lower	Upper
52	100		
50	278.2	268.7	308.7

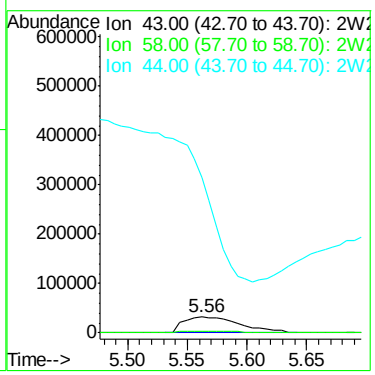


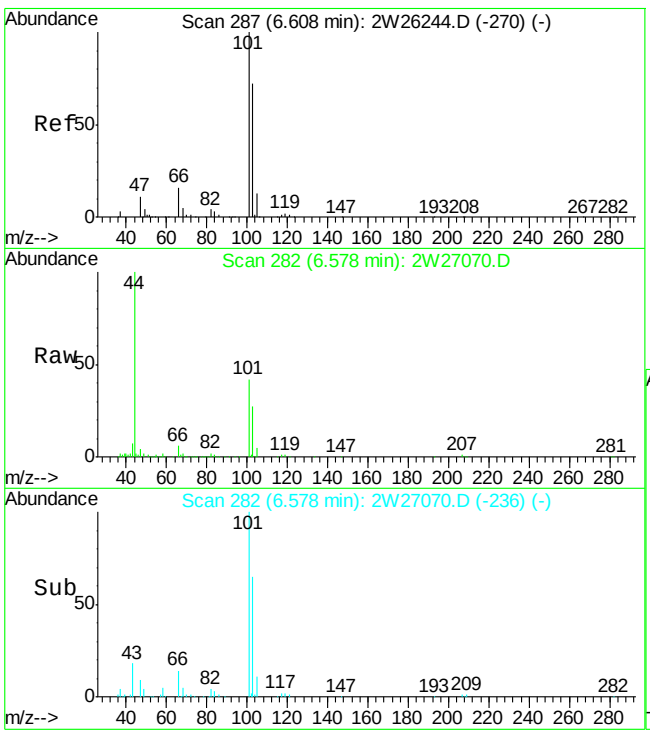


#12
n-BUTANE
Concen: 0.74 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 43 Resp: 108048

Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.6	15.8
44	0.0	2.3	3.5#

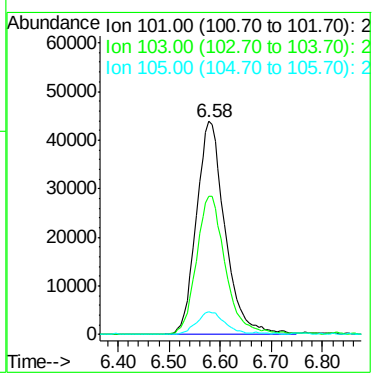


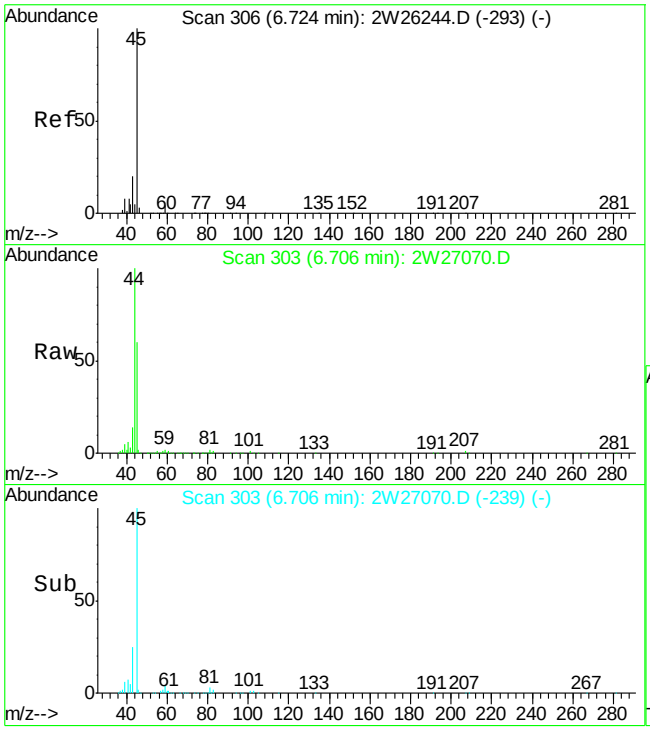


#17
TRICHLOROFLUOROMETHANE
Concen: 1.08 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion:101 Resp: 170643

Ion	Ratio	Lower	Upper
101	100		
103	66.2	46.7	86.7
105	11.1	0.0	31.2

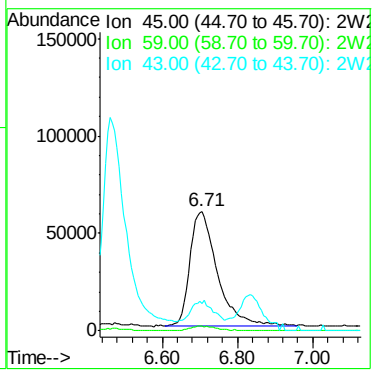


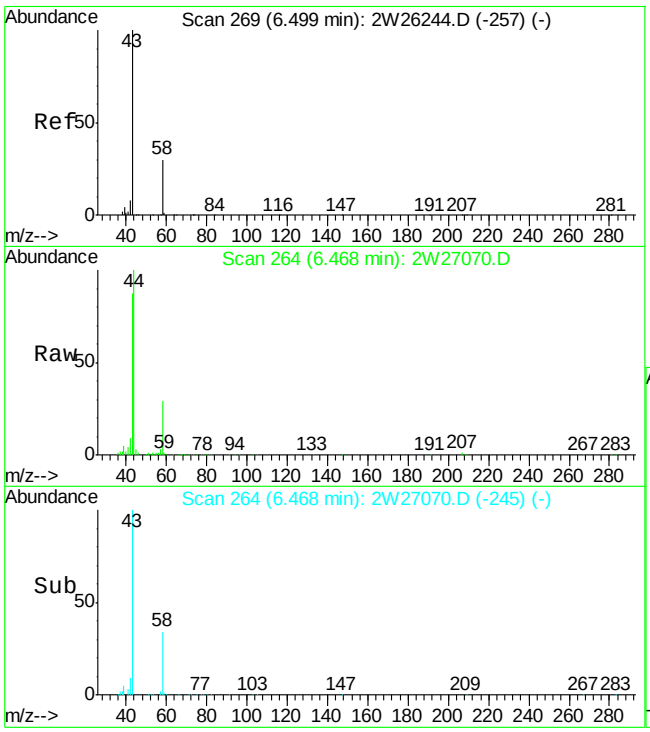


#18
ISOPROPYL ALCOHOL
Concen: 2.64 PPBV
RT: 6.71 min Scan# 303
Delta R.T. 0.04 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 45 Resp: 303096

Ion	Ratio	Lower	Upper
45	100		
59	3.9	0.0	24.1
43	23.0	0.2	40.2

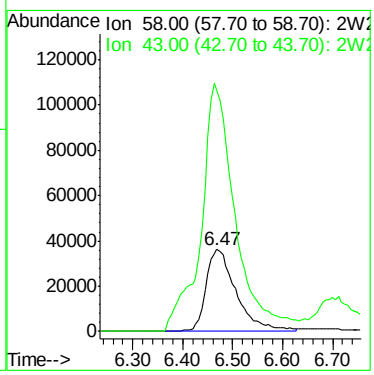


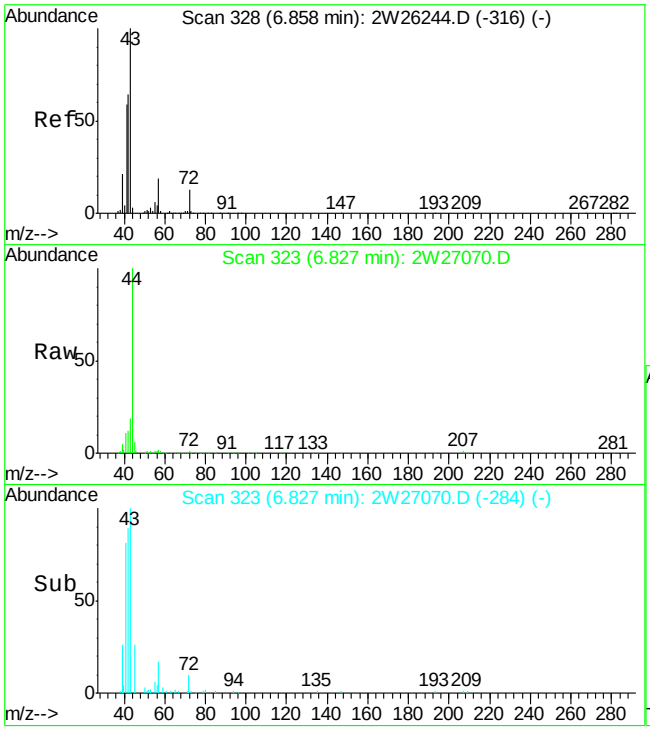


#19
ACETONE
Concen: 4.80 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 58 Resp: 151771

Ion	Ratio	Lower	Upper
58	100		
43	343.3	315.8	355.8

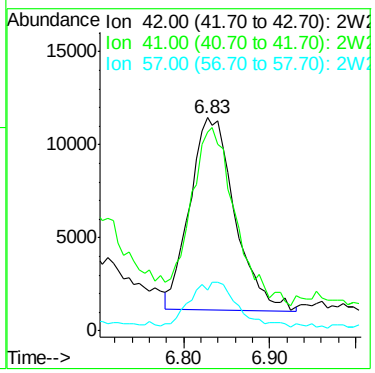


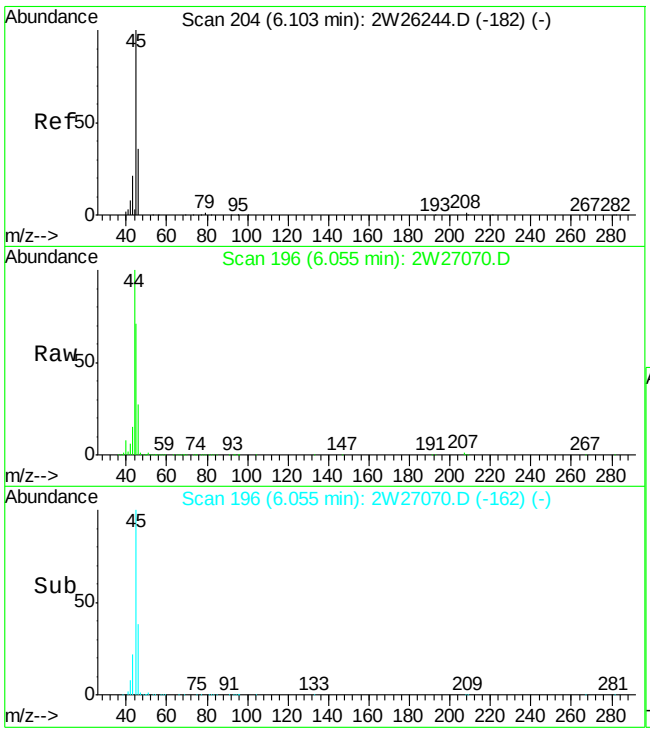


#20
PENTANE
Concen: 0.46 PPBV
RT: 6.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 42 Resp: 37640

Ion	Ratio	Lower	Upper
42	100		
41	92.1	67.5	107.5
57	24.7	6.1	46.1

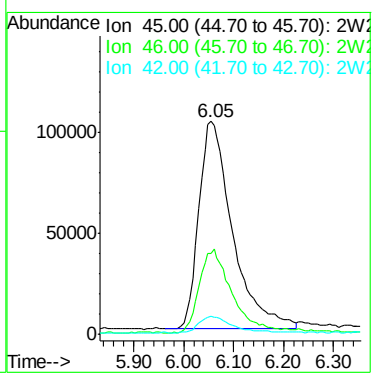


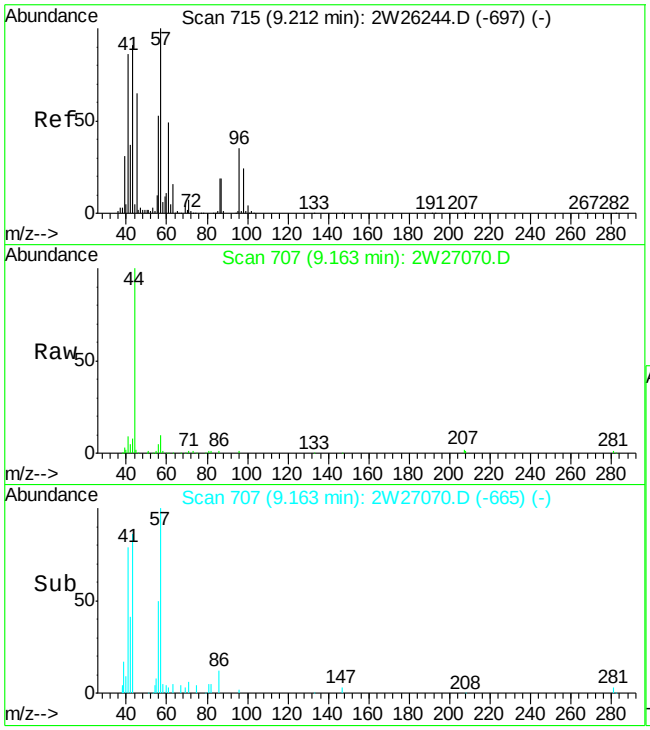


#25
ETHANOL
Concen: 15.15 PPBV
RT: 6.05 min Scan# 196
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 45 Resp: 483357

Ion	Ratio	Lower	Upper
45	100		
46	39.1	9.3	69.3
42	7.8	0.0	37.7

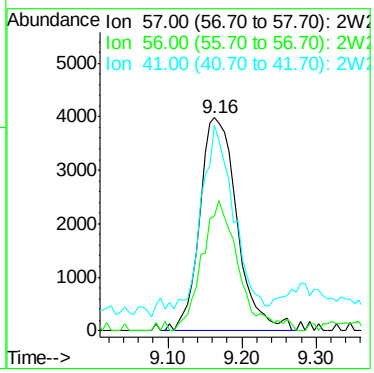


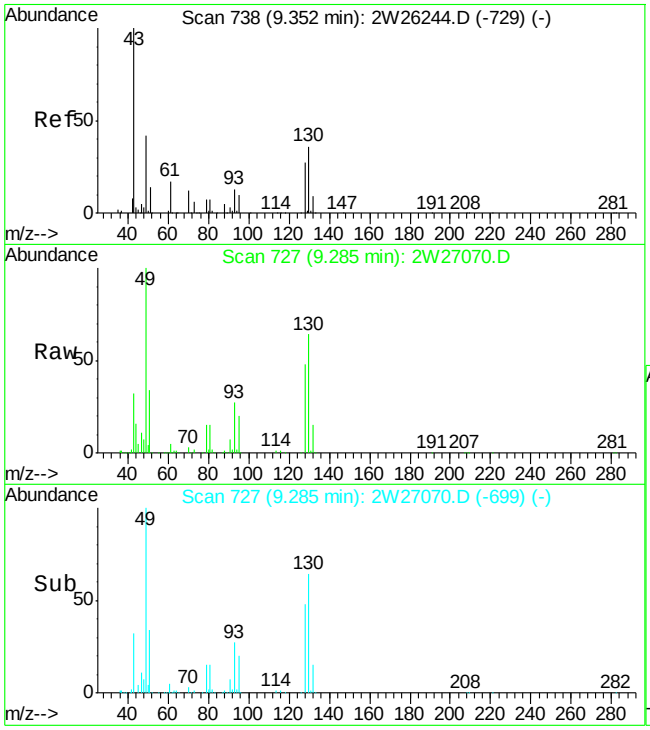


#34
HEXANE
Concen: 0.13 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 57 Resp: 13647

Ion	Ratio	Lower	Upper
57	100		
56	60.1	32.4	72.4
41	73.0	77.6	117.6#

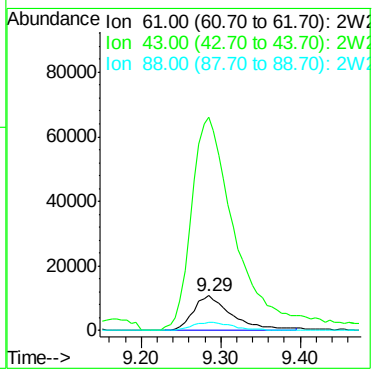


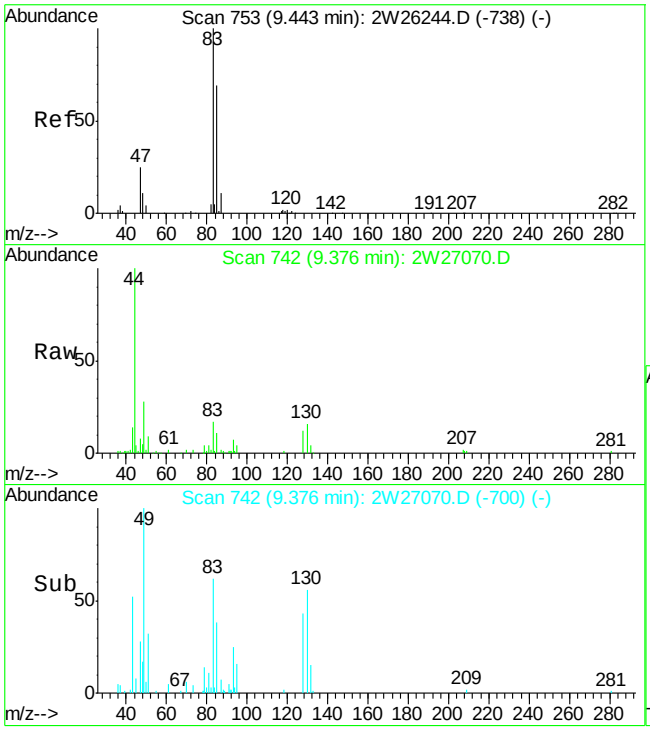


#39
ETHYL ACETATE
Concen: 1.98 PPBV
RT: 9.29 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 61 Resp: 36389

Ion	Ratio	Lower	Upper
61	100		
43	675.0	606.5	646.5#
88	25.5	4.8	44.8

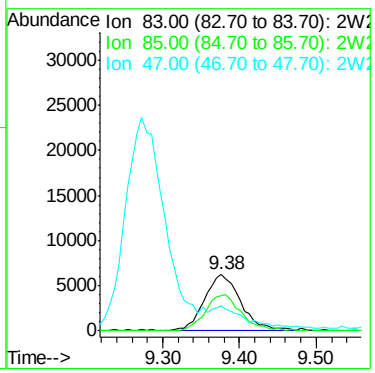


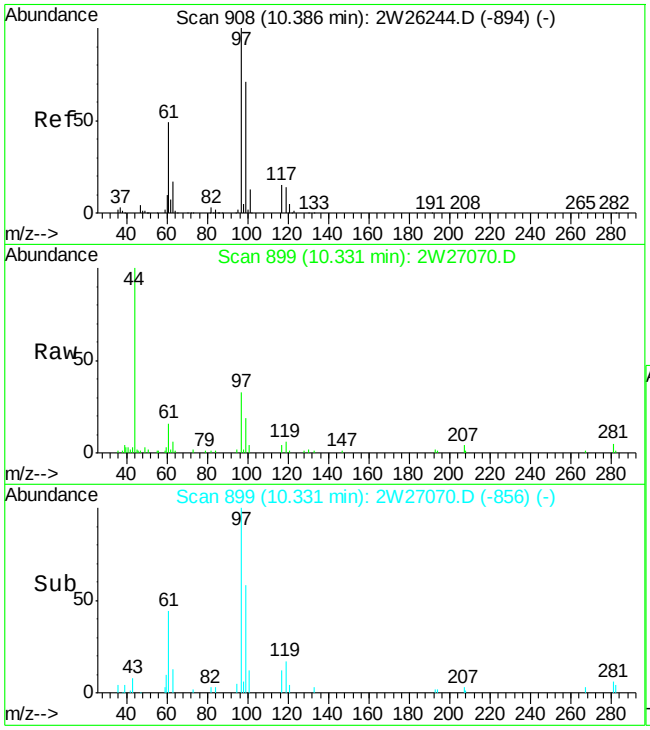


#40
CHLOROFORM
Concen: 0.16 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 83 Resp: 20504

Ion	Ratio	Lower	Upper
83	100		
85	63.0	46.8	86.8
47	38.8	4.9	44.9

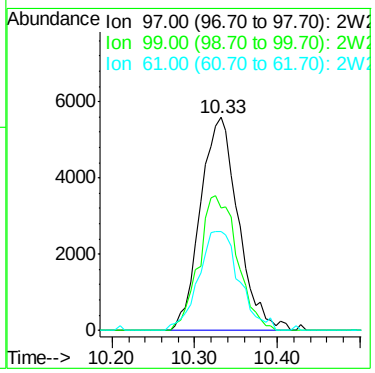


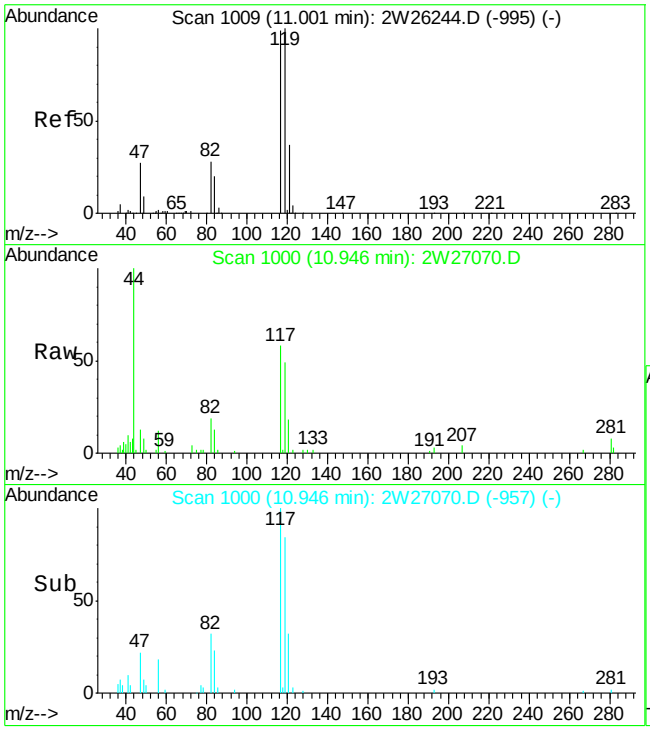


#42
1,1,1-TRICHLOROETHANE
Concen: 0.13 PPBV
RT: 10.33 min Scan# 899
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 97 Resp: 17842

Ion	Ratio	Lower	Upper
97	100		
99	63.7	46.6	86.6
61	50.1	26.4	66.4

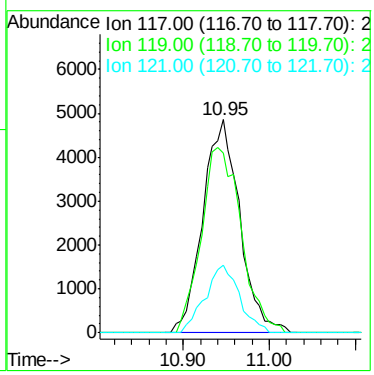


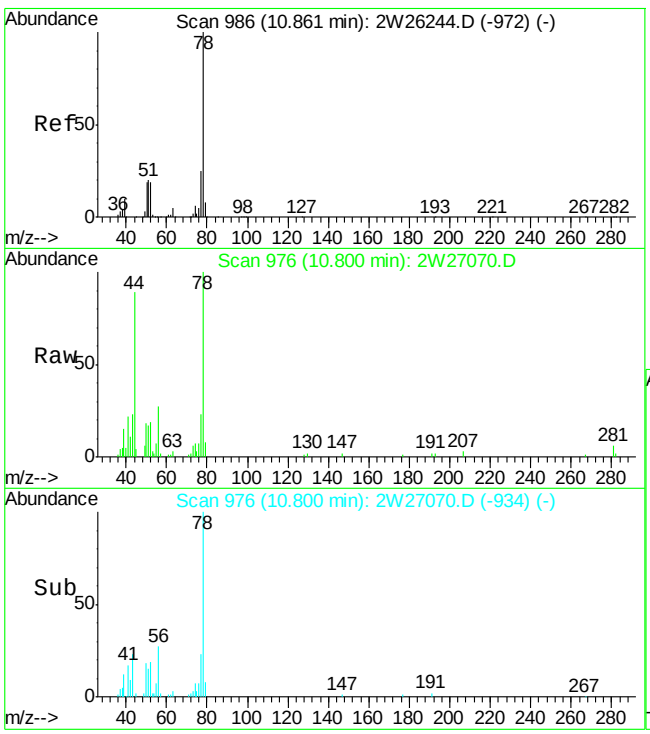


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion:117 Resp: 14488

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.0	118.0
121	29.5	12.8	52.8

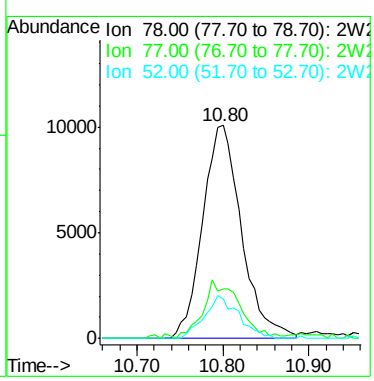


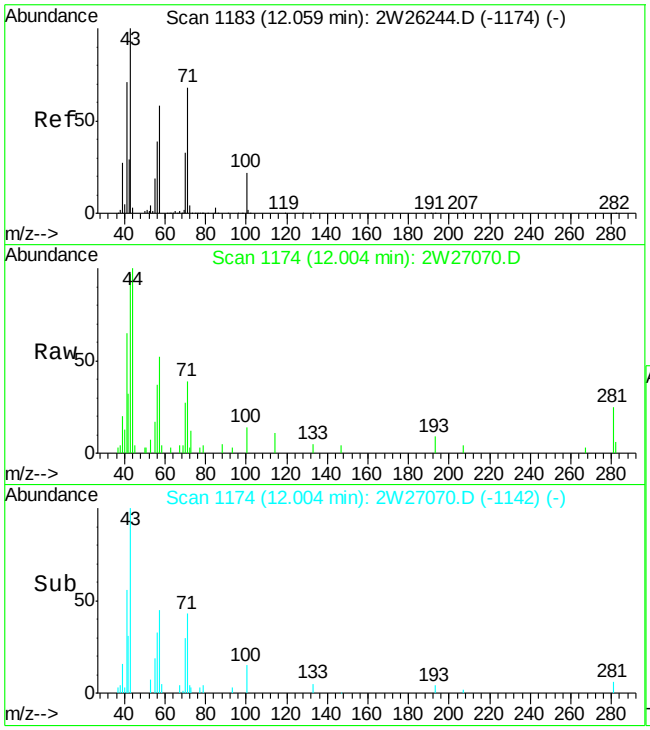


#46
BENZENE
Concen: 0.18 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 78 Resp: 31663

Ion	Ratio	Lower	Upper
78	100		
77	25.7	4.9	44.9
52	17.8	0.0	37.9

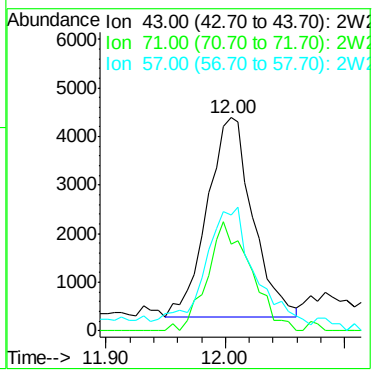


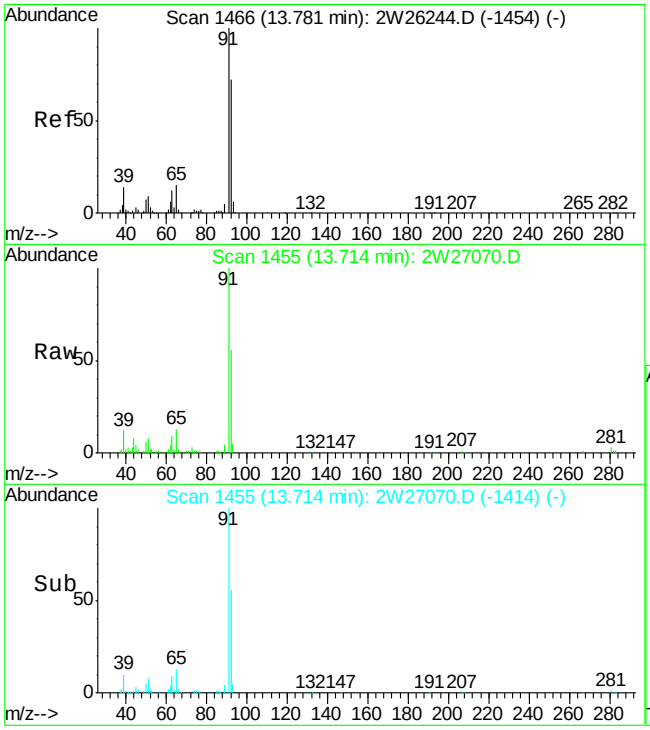


#55
HEPTANE
Concen: 0.10 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 43 Resp: 10943

Ion	Ratio	Lower	Upper
43	100		
71	52.1	41.4	81.4
57	64.9	36.9	76.9

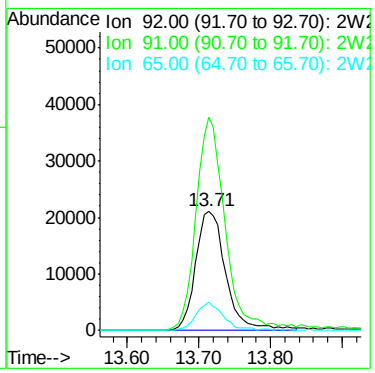


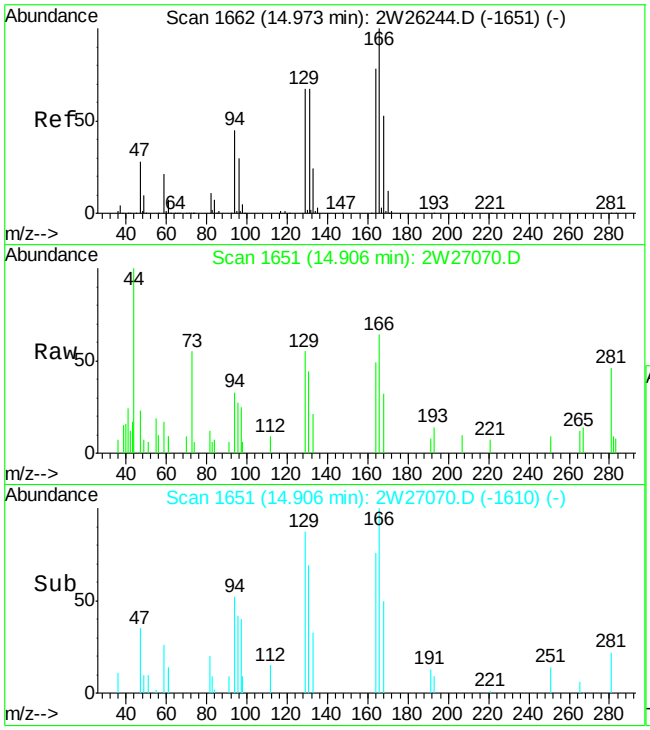


#59
TOLUENE
Concen: 0.57 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion: 92 Resp: 61424

Ion	Ratio	Lower	Upper
92	100		
91	178.8	136.6	176.6#
65	21.9	0.9	40.9

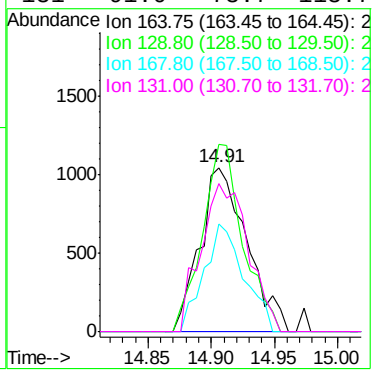




#64
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27070.D
Acq: 3 May 2010 7:31 pm

Tgt Ion:164 Resp: 2706

Ion	Ratio	Lower	Upper
164	100		
129	98.5	76.6	116.6
168	55.7	44.5	84.5
131	91.0	73.7	113.7



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27071.D Vial: 11
Acq On : 3 May 2010 8:14 pm Operator: yunxiac
Sample : ja45062-7 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:10:57 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

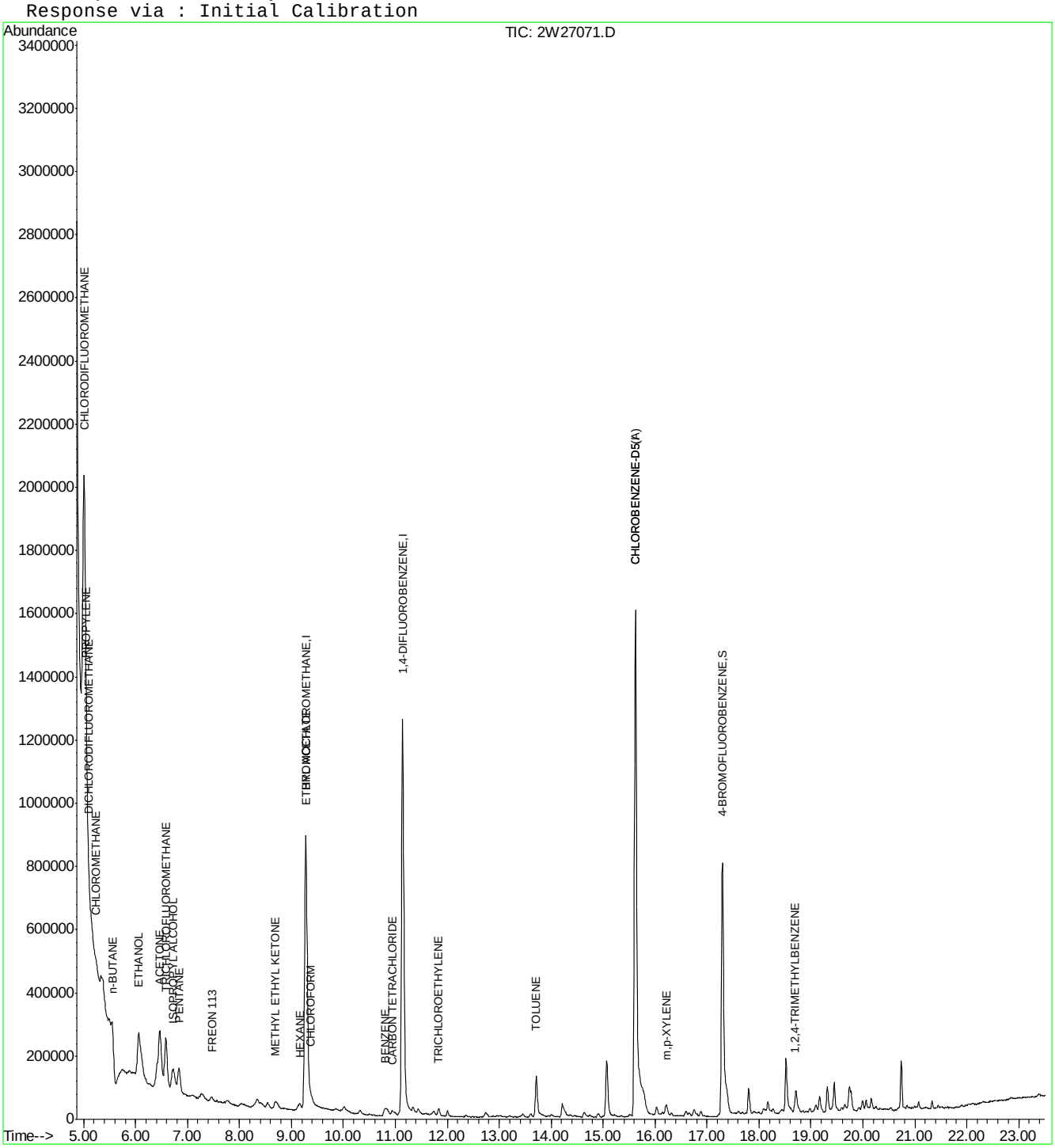
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	372123	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1603200	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	1055697	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	1055083	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	526124	4.80	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	109801	0.64	PPBV	#	92
5) CHLORODIFLUOROMETHANE	5.01	67	755384	38.68	PPBV		100
6) PROPYLENE	5.06	41	29613	0.40	PPBV	#	62
9) CHLOROMETHANE	5.25	52	18250	0.65	PPBV		96
12) n-BUTANE	5.57	43	120004	0.89	PPBV	#	97
17) TRICHLOROFLUOROMETHANE	6.58	101	288339	1.99	PPBV		99
18) ISOPROPYL ALCOHOL	6.72	45	252515	2.39	PPBV		91
19) ACETONE	6.47	58	156255	5.37	PPBV		92
20) PENTANE	6.83	42	63456	0.83	PPBV		95
25) ETHANOL	6.07	45	456533	15.55	PPBV		98
29) FREON 113	7.47	151	6906	0.10	PPBV	#	82
34) HEXANE	9.16	57	13312	0.13	PPBV		87
37) METHYL ETHYL KETONE	8.69	72	12093	0.45	PPBV	#	83
39) ETHYL ACETATE	9.29	61	36756	2.17	PPBV	#	79
40) CHLOROFORM	9.38	83	13466	0.11	PPBV	#	85
43) CARBON TETRACHLORIDE	10.95	117	13570	0.11	PPBV		98
46) BENZENE	10.80	78	31032	0.19	PPBV		98
49) TRICHLOROETHYLENE	11.84	95	13083	0.20	PPBV		92
59) TOLUENE	13.71	92	89474	0.89	PPBV		90
71) m,p-XYLENE	16.21	106	20318	0.22	PPBV	#	81
84) 1,2,4-TRIMETHYLBENZENE	18.69	105	15936	0.11	PPBV	#	32

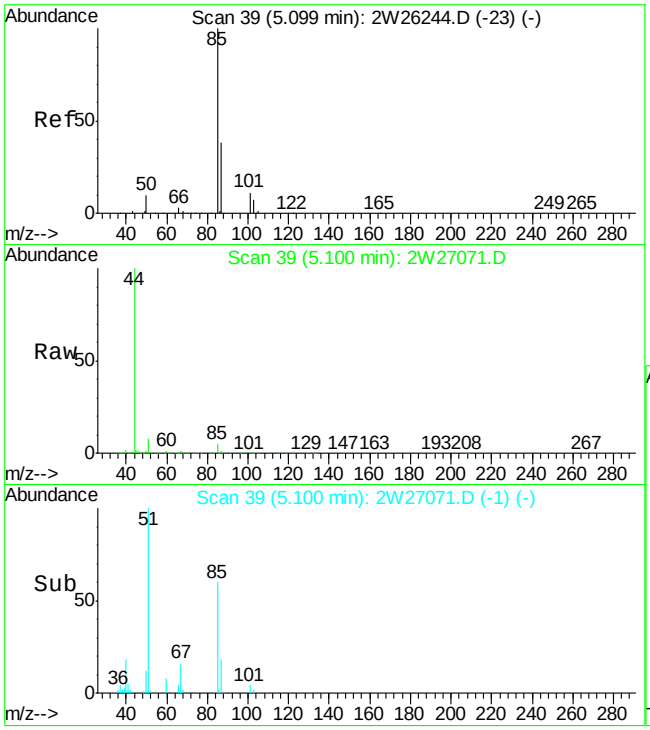
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27071.D Vial: 11
Acq On : 3 May 2010 8:14 pm Operator: yunxiac
Sample : ja45062-7 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:43 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

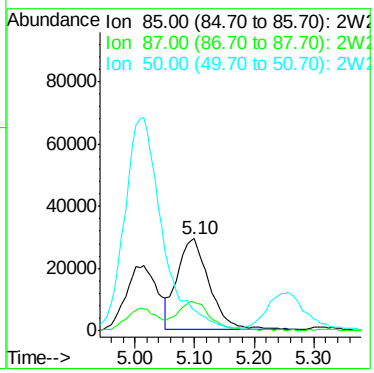


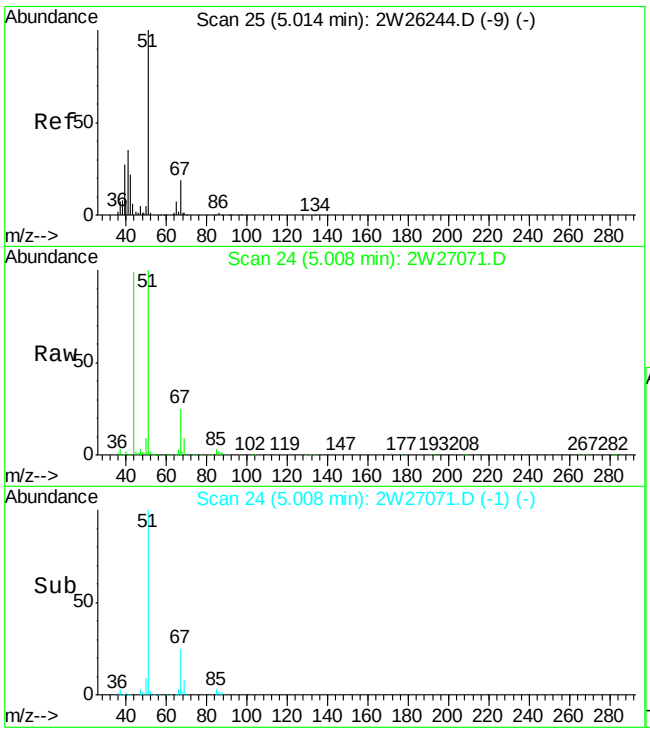


#3
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 85 Resp: 109801

Ion	Ratio	Lower	Upper
85	100		
87	33.1	14.2	54.2
50	0.0	0.0	31.0

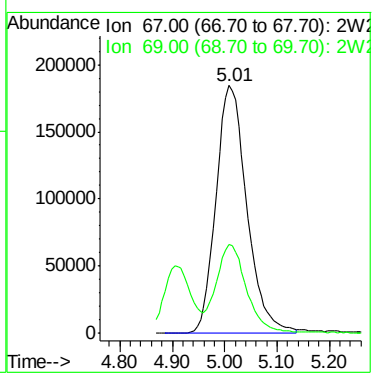


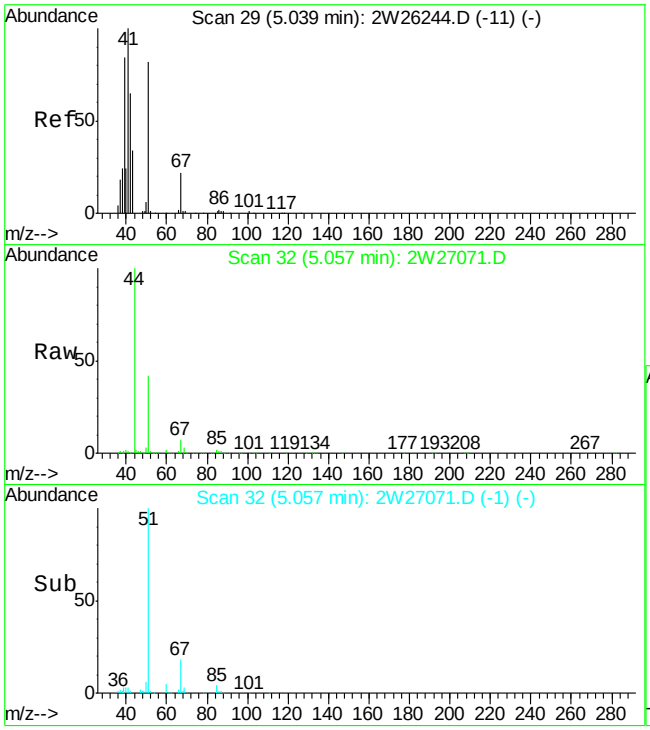


#5
CHLORODIFLUOROMETHANE
Concen: 38.68 PPBV
RT: 5.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 67 Resp: 755384

Ion	Ratio	Lower	Upper
67	100		
69	33.7	13.6	53.6

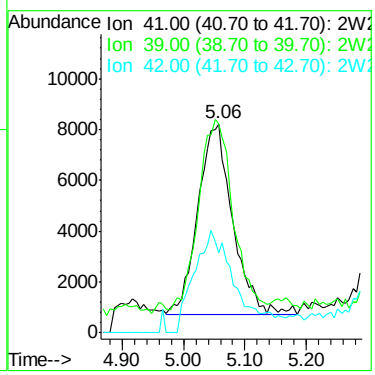


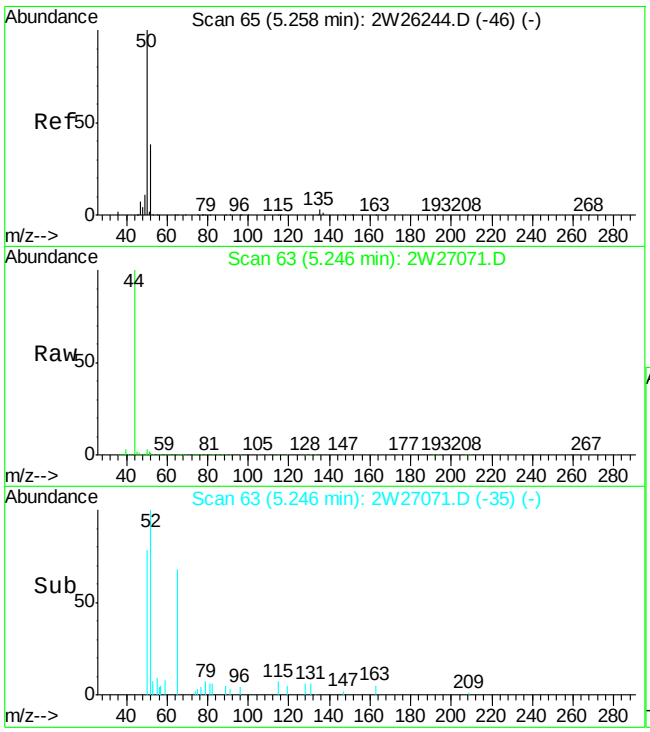


#6
PROPYLENE
Concen: 0.40 PPBV
RT: 5.06 min Scan# 32
Delta R.T. 0.03 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 41 Resp: 29613

Ion	Ratio	Lower	Upper
41	100		
39	99.7	47.9	87.9#
42	38.0	47.3	87.3#

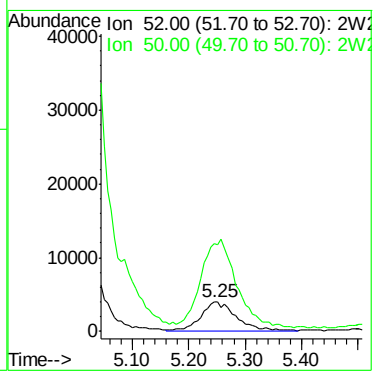


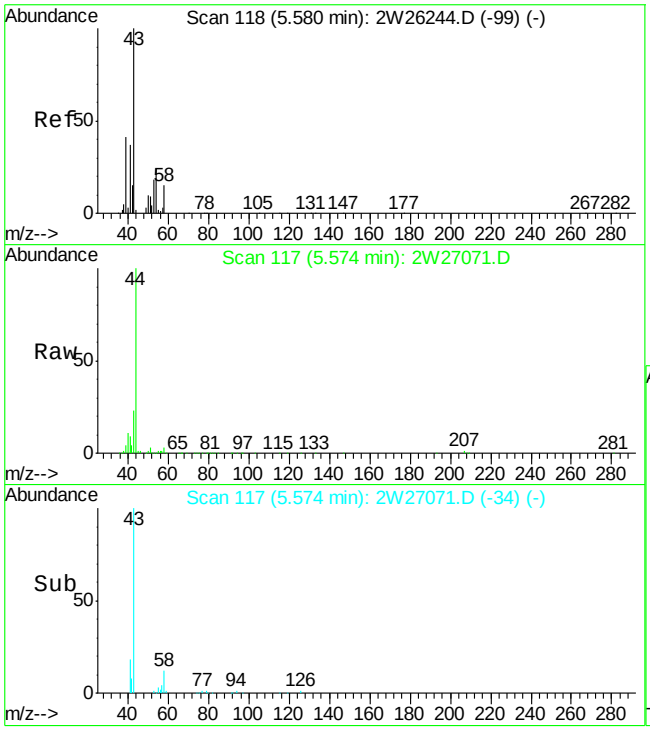


#9
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 52 Resp: 18250

Ion	Ratio	Lower	Upper
52	100		
50	281.7	268.7	308.7

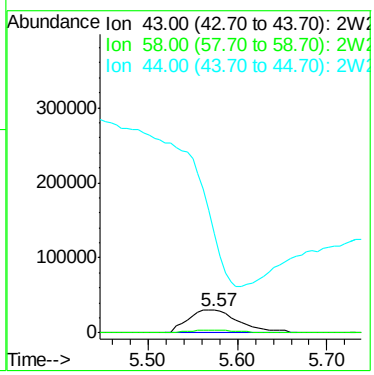


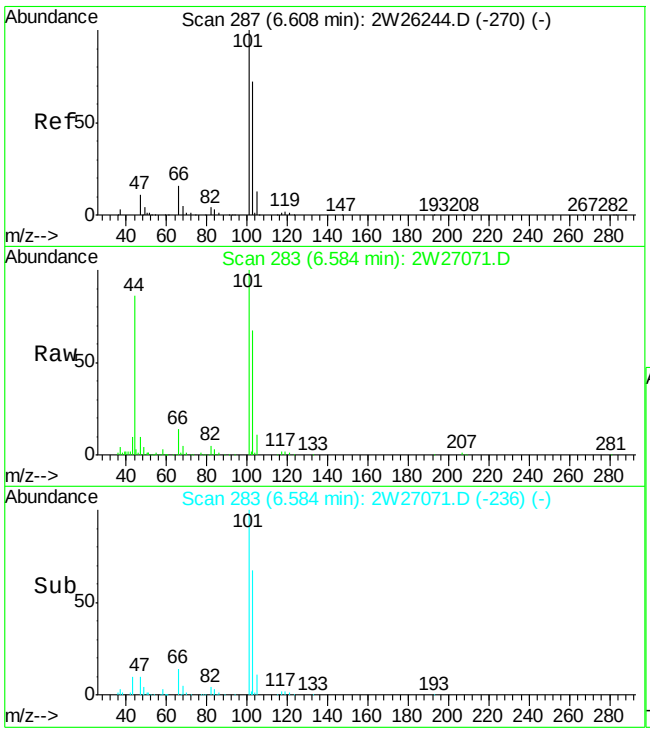


#12
n-BUTANE
Concen: 0.89 PPBV
RT: 5.57 min Scan# 117
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 43 Resp: 120004

Ion	Ratio	Lower	Upper
43	100		
58	12.7	10.6	15.8
44	0.0	2.3	3.5#

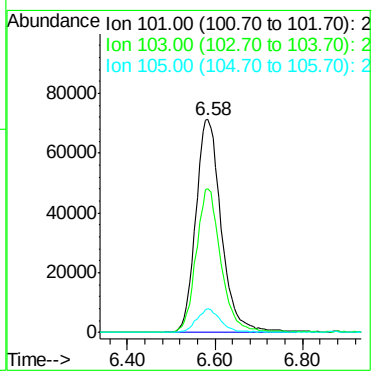


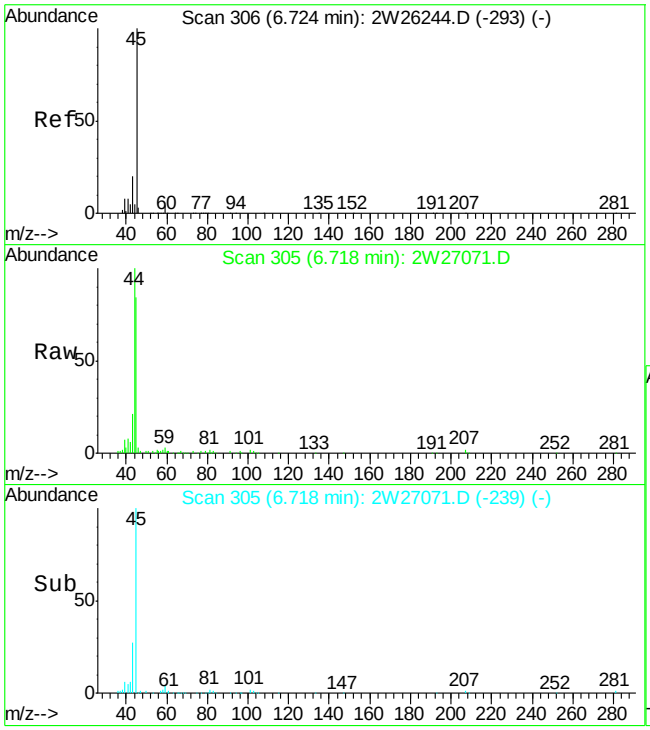


#17
TRICHLOROFLUOROMETHANE
Concen: 1.99 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion:101 Resp: 288339

Ion	Ratio	Lower	Upper
101	100		
103	65.7	46.7	86.7
105	10.8	0.0	31.2

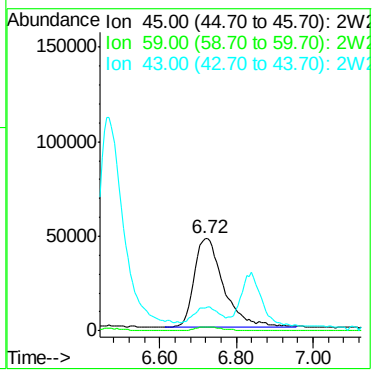


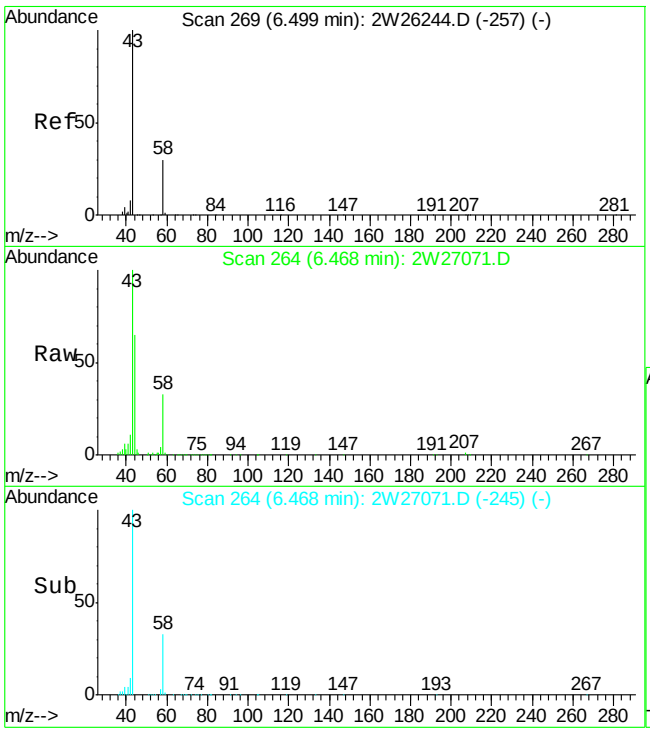


#18
ISOPROPYL ALCOHOL
Concen: 2.39 PPBV
RT: 6.72 min Scan# 305
Delta R.T. 0.05 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 45 Resp: 252515

Ion	Ratio	Lower	Upper
45	100		
59	4.0	0.0	24.1
43	25.0	0.2	40.2

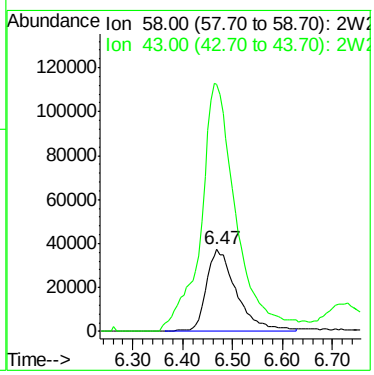


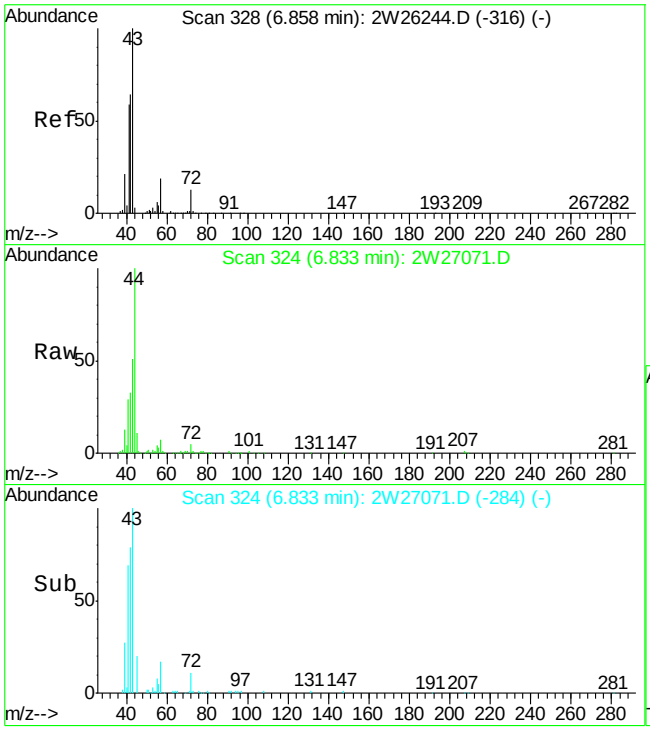


#19
ACETONE
Concen: 5.37 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 58 Resp: 156255

Ion	Ratio	Lower	Upper
58	100		
43	318.8	315.8	355.8

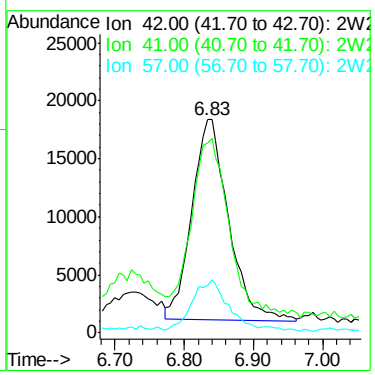


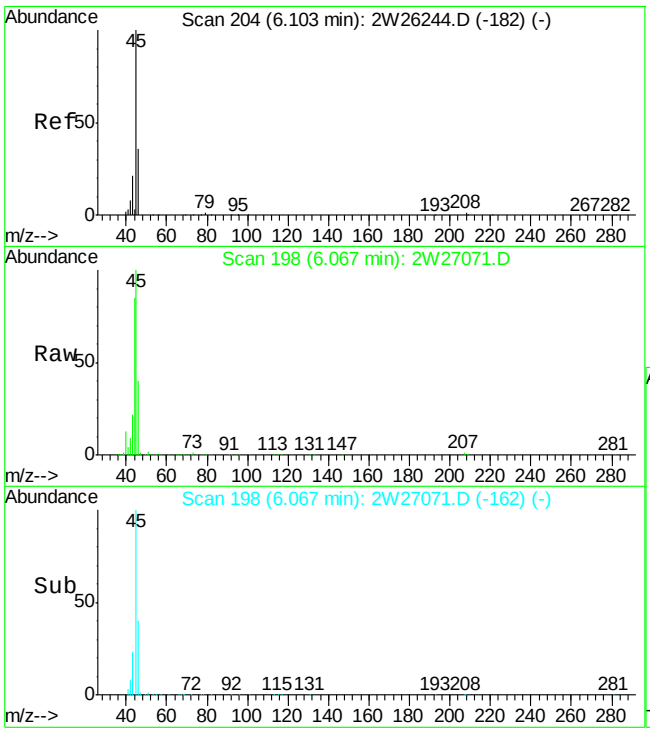


#20
PENTANE
Concen: 0.83 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 42 Resp: 63456

Ion	Ratio	Lower	Upper
42	100		
41	94.0	67.5	107.5
57	26.3	6.1	46.1

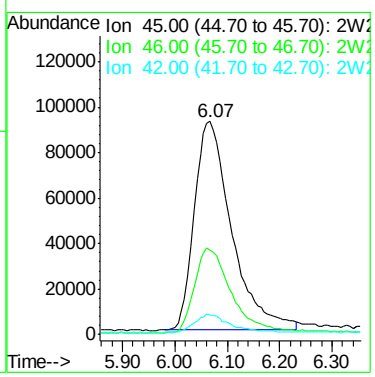


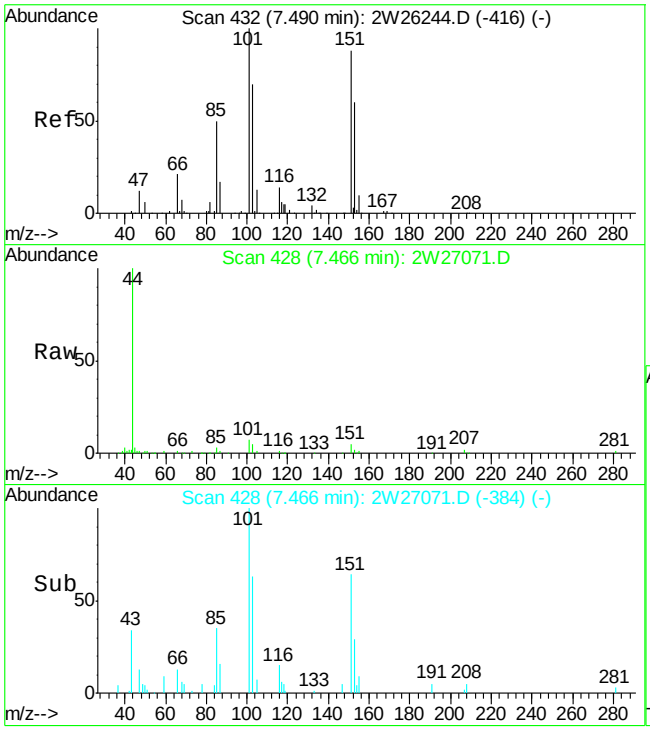


#25
ETHANOL
Concen: 15.55 PPBV
RT: 6.07 min Scan# 198
Delta R.T. 0.02 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 45 Resp: 456533

Ion	Ratio	Lower	Upper
45	100		
46	40.4	9.3	69.3
42	8.9	0.0	37.7

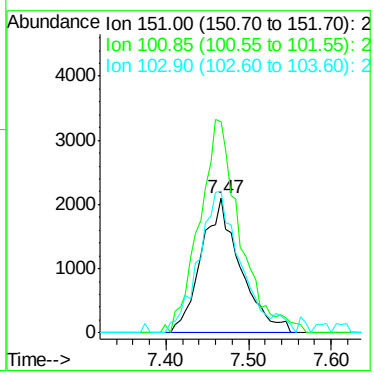


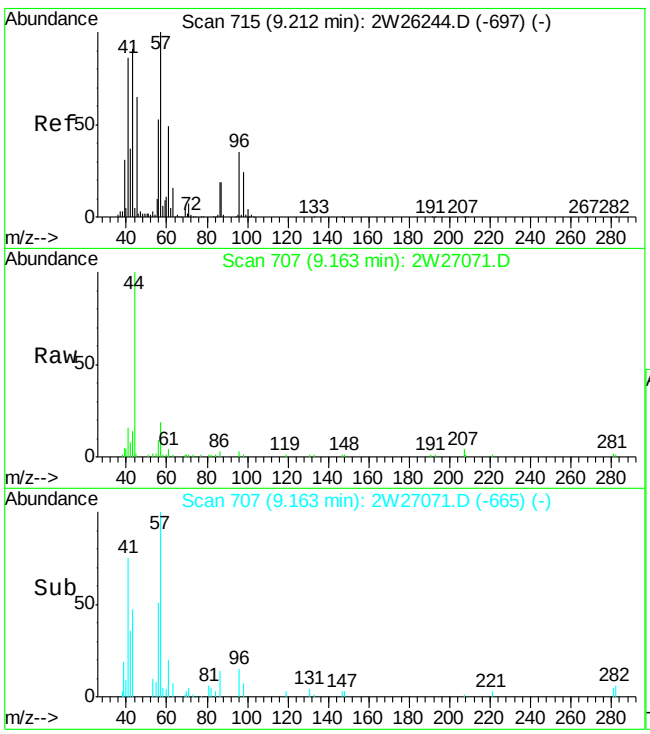


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.47 min Scan# 428
Delta R.T. 0.02 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion:151 Resp: 6906

Ion	Ratio	Lower	Upper
151	100		
101	165.2	124.8	164.8#
103	114.3	75.2	115.2

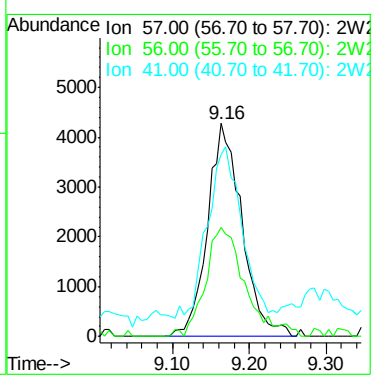


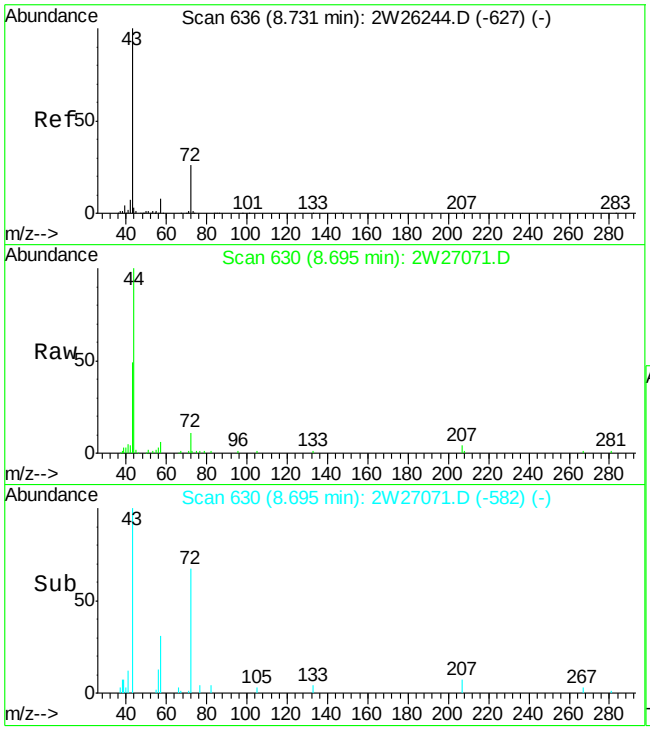


#34
HEXANE
Concen: 0.13 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 57 Resp: 13312

Ion	Ratio	Lower	Upper
57	100		
56	59.2	32.4	72.4
41	83.4	77.6	117.6

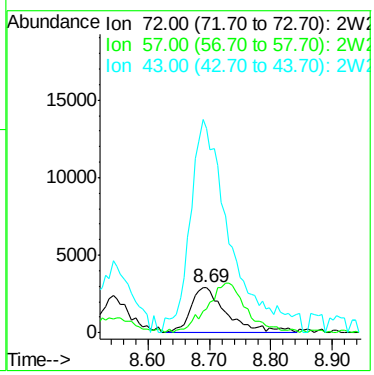


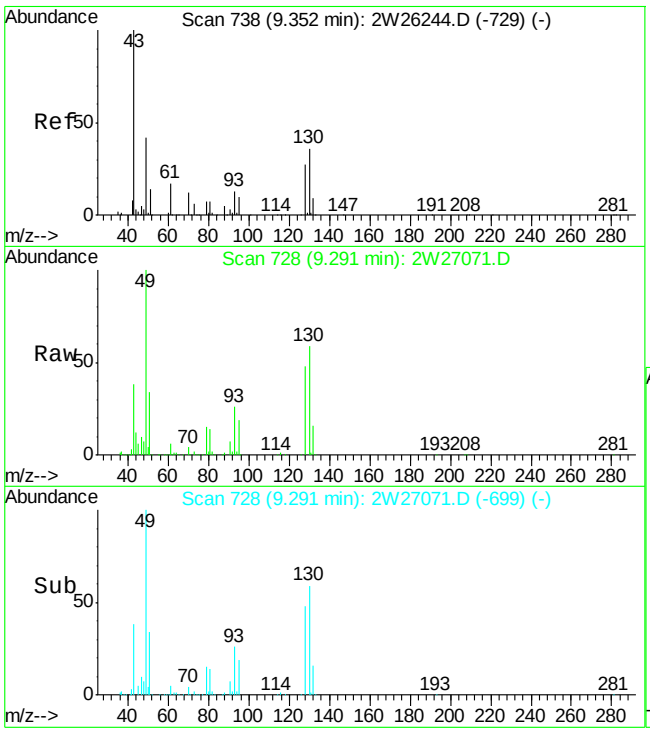


#37
METHYL ETHYL KETONE
Concen: 0.45 PPBV
RT: 8.69 min Scan# 630
Delta R.T. 0.04 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 72 Resp: 12093

Ion	Ratio	Lower	Upper
72	100		
57	53.2	13.8	53.8
43	448.0	389.3	429.3#

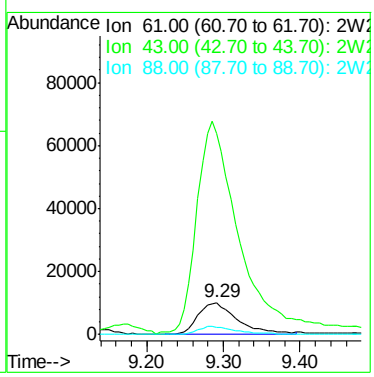


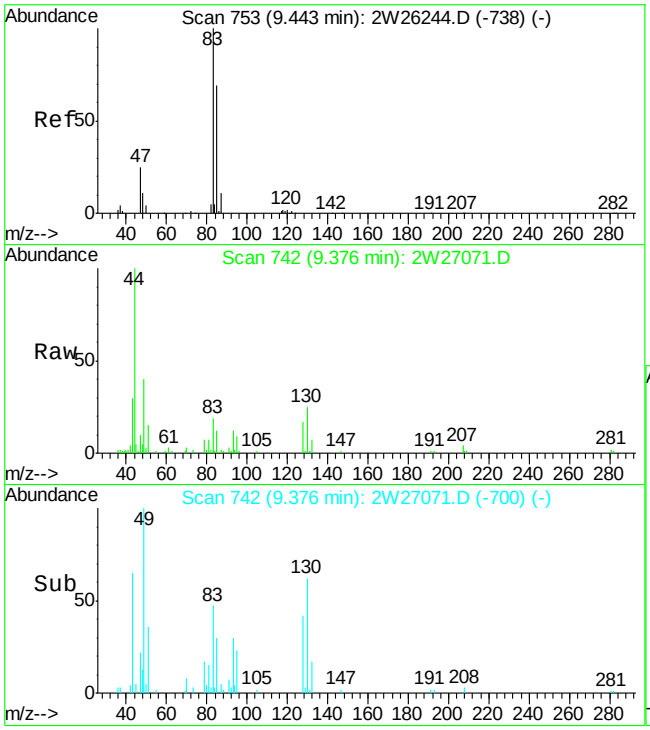


#39
ETHYL ACETATE
Concen: 2.17 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 61 Resp: 36756

Ion	Ratio	Lower	Upper
61	100		
43	697.3	606.5	646.5#
88	24.5	4.8	44.8

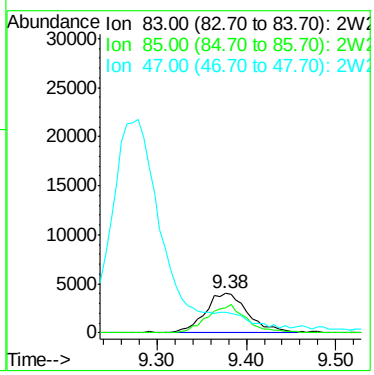


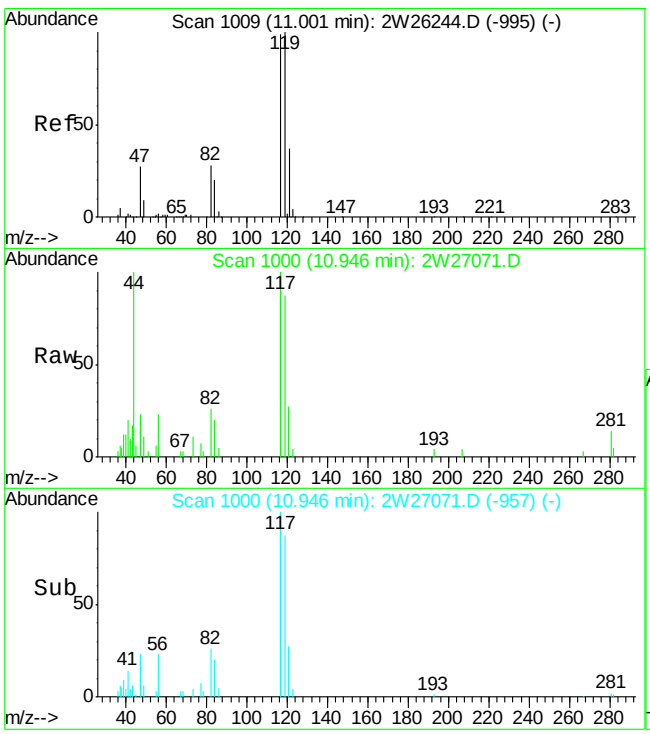


#40
CHLOROFORM
Concen: 0.11 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 83 Resp: 13466

Ion	Ratio	Lower	Upper
83	100		
85	64.7	46.8	86.8
47	0.0	4.9	44.9#

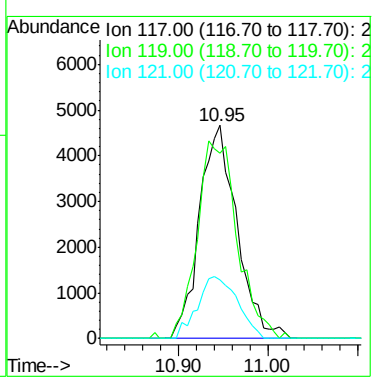


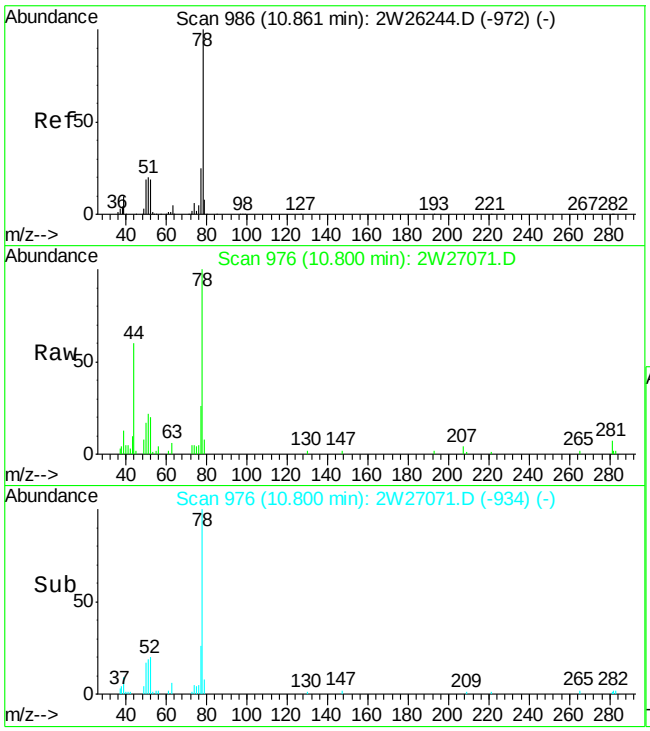


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion:117 Resp: 13570

Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.0	118.0
121	30.9	12.8	52.8

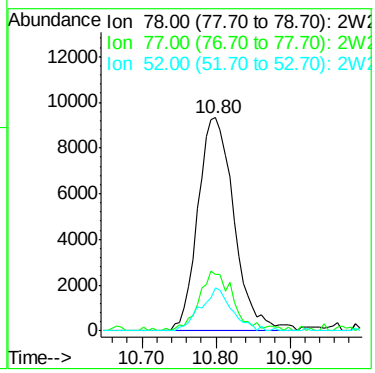


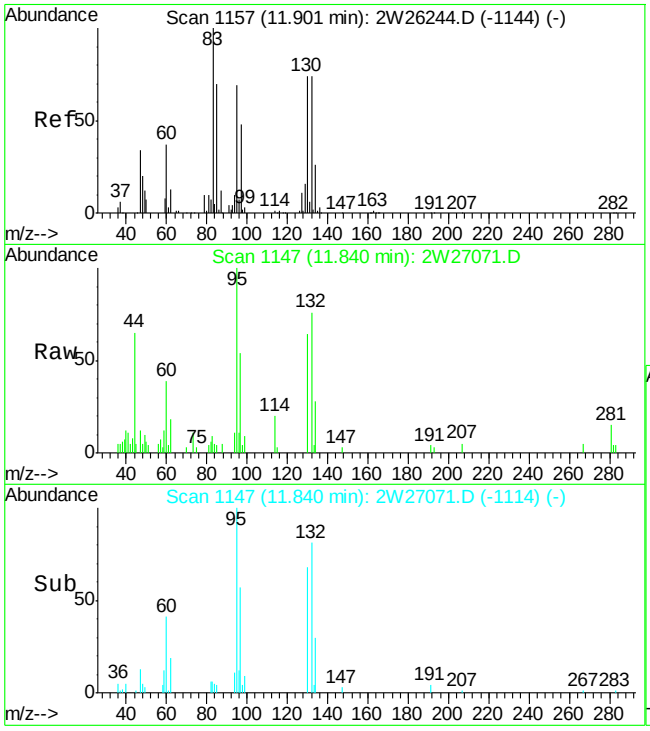


#46
BENZENE
Concen: 0.19 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 78 Resp: 31032

Ion	Ratio	Lower	Upper
78	100		
77	26.0	4.9	44.9
52	17.3	0.0	37.9

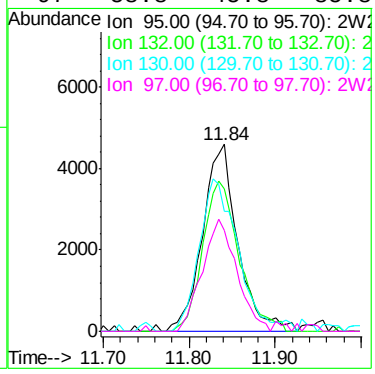


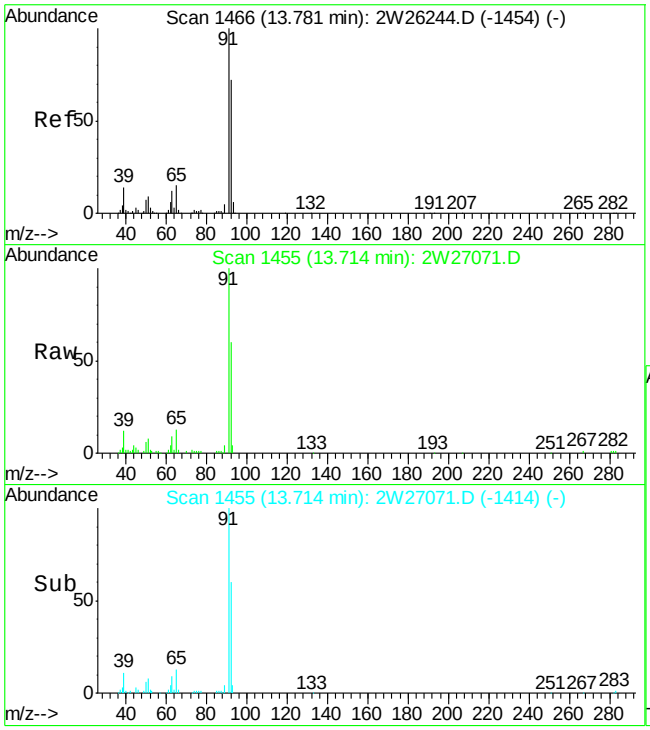


#49
TRICHLOROETHYLENE
Concen: 0.20 PPBV
RT: 11.84 min Scan# 1147
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 95 Resp: 13083

Ion	Ratio	Lower	Upper
95	100		
132	83.9	72.7	112.7
130	90.1	75.6	115.6
97	58.8	45.8	85.8

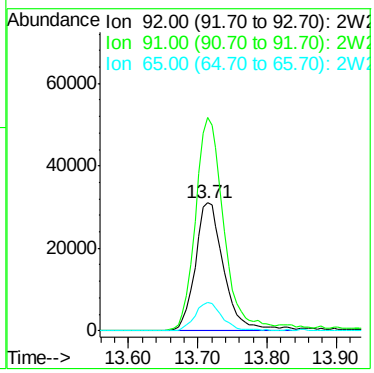


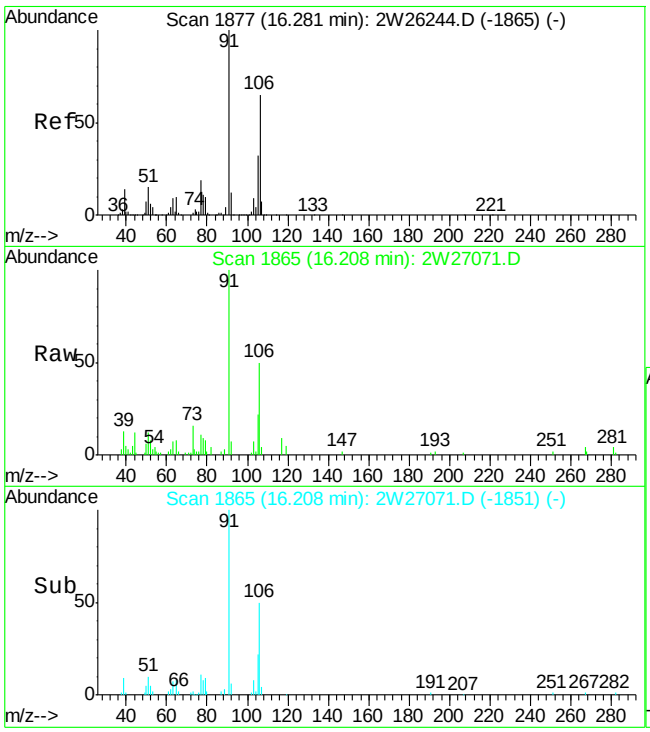


#59
TOLUENE
Concen: 0.89 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion: 92 Resp: 89474

Ion	Ratio	Lower	Upper
92	100		
91	171.7	136.6	176.6
65	21.5	0.9	40.9

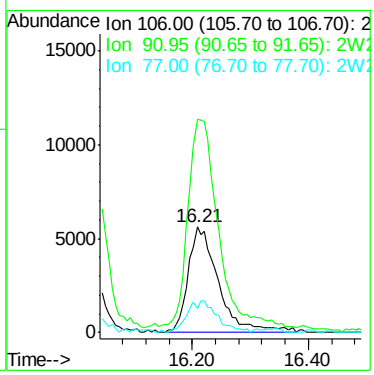


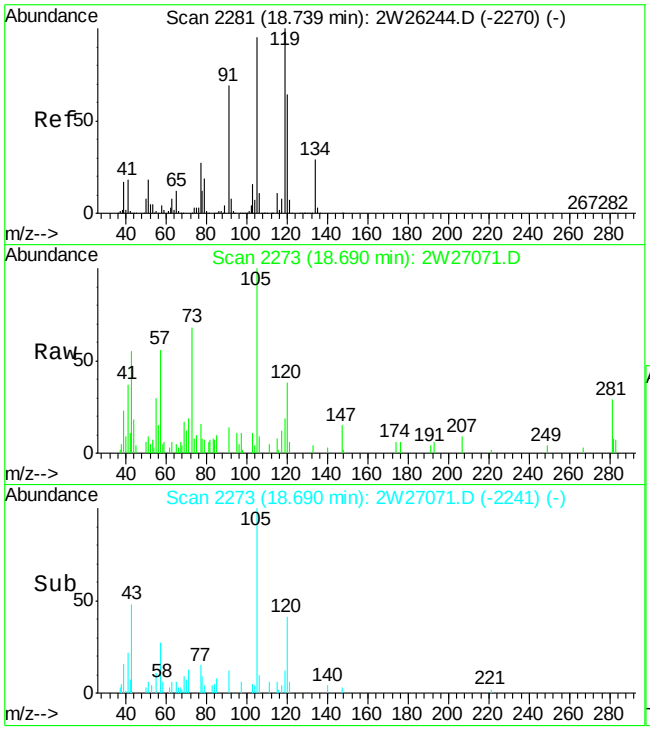


#71
m,p-XYLENE
Concen: 0.22 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion:106 Resp: 20318

Ion	Ratio	Lower	Upper
106	100		
91	201.9	138.6	207.8
77	22.9	23.5	35.3#

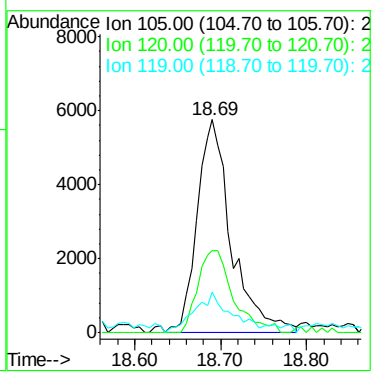




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 18.69 min Scan# 2273
Delta R.T. 0.01 min
Lab File: 2W27071.D
Acq: 3 May 2010 8:14 pm

Tgt Ion:105 Resp: 15936

Ion	Ratio	Lower	Upper
105	100		
120	39.9	41.5	81.5#
119	22.8	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/05/10 05:29

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27072.D Vial: 12
Acq On : 3 May 2010 8:57 pm Operator: yunxiac
Sample : ja45062-8 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:11:05 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

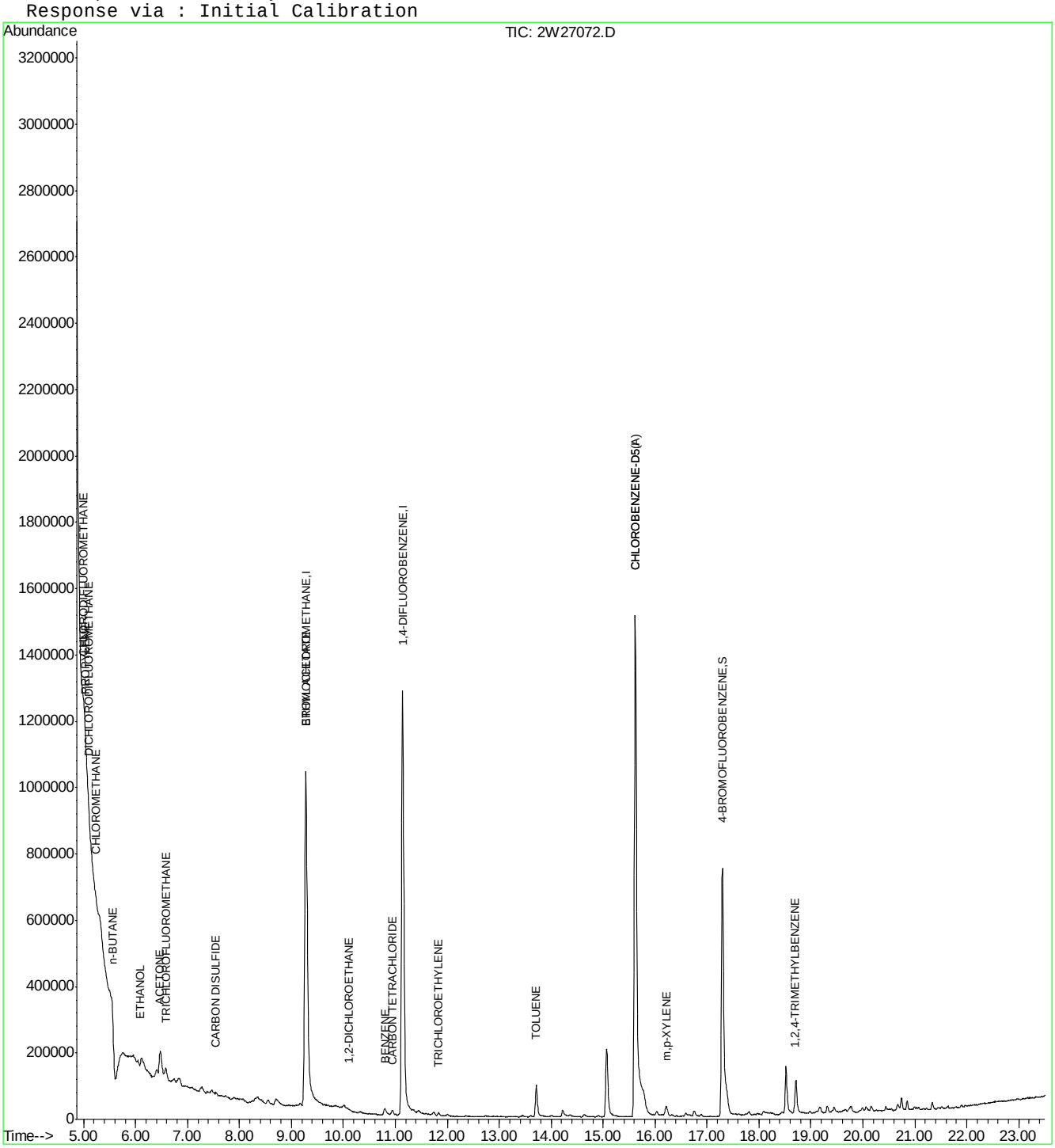
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	387665	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1630053	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	1005842	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	1005253	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	496789	4.75	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	109876	0.62	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	44426	2.18	PPBV	#	41
6) PROPYLENE	5.04	41	14025m	0.18	PPBV		
9) CHLOROMETHANE	5.25	52	18061	0.61	PPBV		94
12) n-BUTANE	5.56	43	33208	0.24	PPBV	#	86
17) TRICHLOROFLUOROMETHANE	6.58	101	65223	0.43	PPBV		98
19) ACETONE	6.48	58	74353	2.45	PPBV		92
24) CARBON DISULFIDE	7.54	76	29708	0.17	PPBV	#	79
25) ETHANOL	6.08	45	66753	2.18	PPBV		94
39) ETHYL ACETATE	9.28	61	75573	4.29	PPBV	#	82
43) CARBON TETRACHLORIDE	10.95	117	14282	0.11	PPBV		97
44) 1,2-DICHLOROETHANE	10.11	62	1967	0.02	PPBV	#	67
46) BENZENE	10.79	78	27875	0.16	PPBV		99
49) TRICHLOROETHYLENE	11.83	95	4526	0.07	PPBV		94
59) TOLUENE	13.71	92	63467	0.62	PPBV		86
71) m,p-XYLENE	16.21	106	14236	0.17	PPBV	#	67
84) 1,2,4-TRIMETHYLBENZENE	18.69	105	18488	0.14	PPBV	#	31

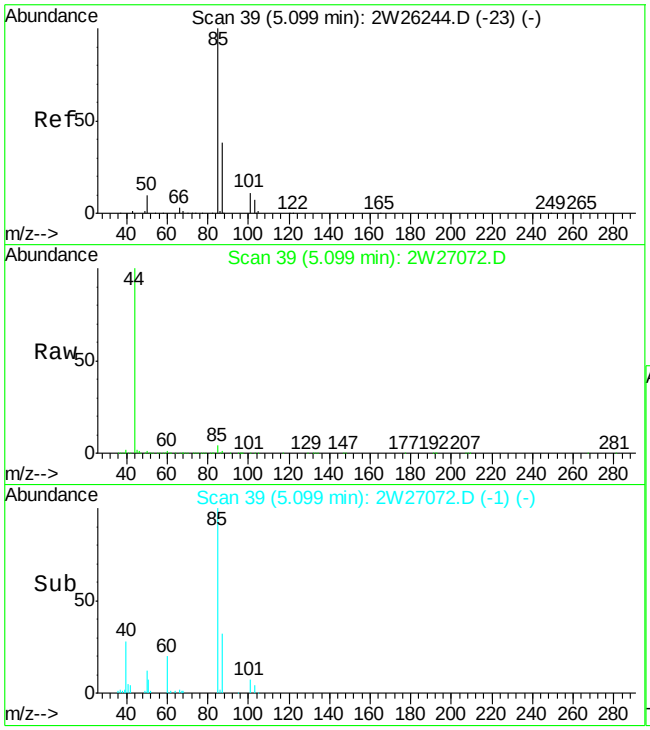
(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27072.D M2W1138.M Tue May 04 09:33:36 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27072.D Vial: 12
Acq On : 3 May 2010 8:57 pm Operator: yunxiac
Sample : ja45062-8 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:42 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

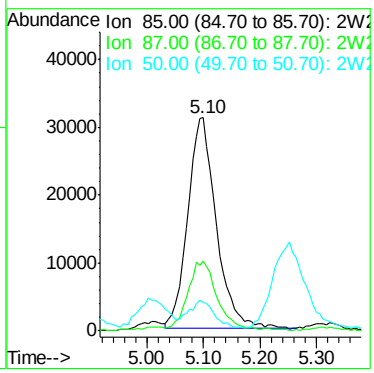


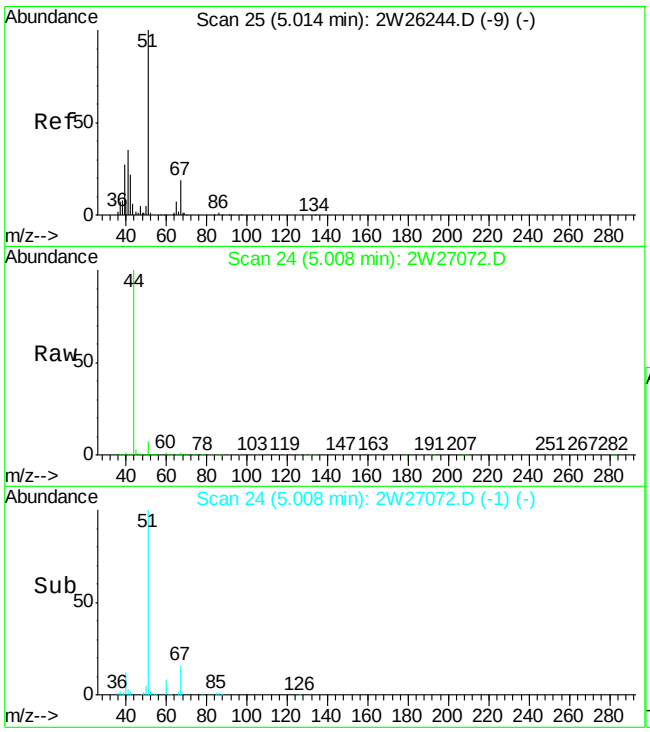


#3
DICHLORODIFLUOROMETHANE
Concen: 0.62 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 85 Resp: 109876

Ion	Ratio	Lower	Upper
85	100		
87	32.8	14.2	54.2
50	11.7	0.0	31.0

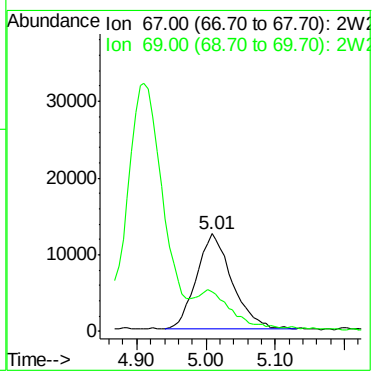


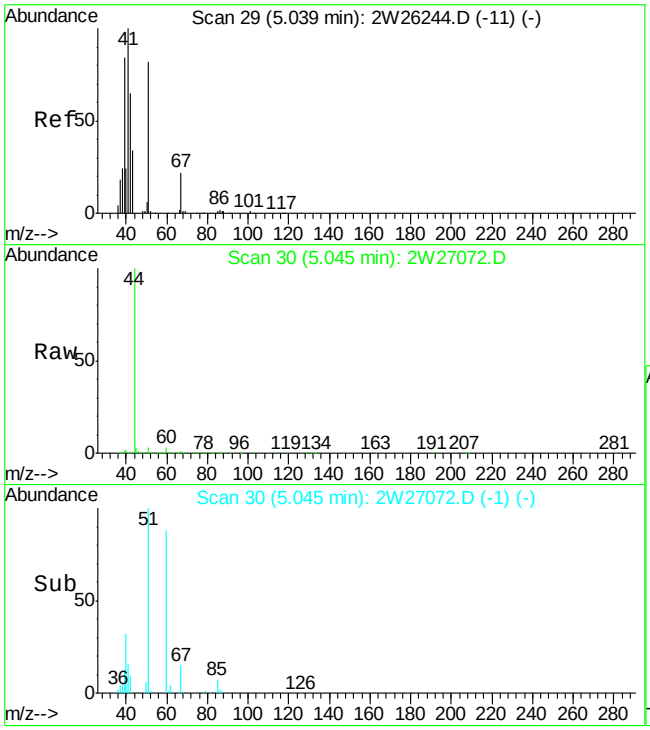


#5
CHLORODIFLUOROMETHANE
Concen: 2.18 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 67 Resp: 44426

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

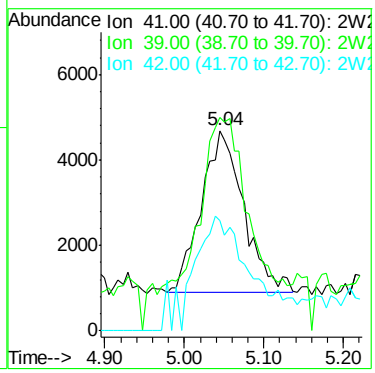


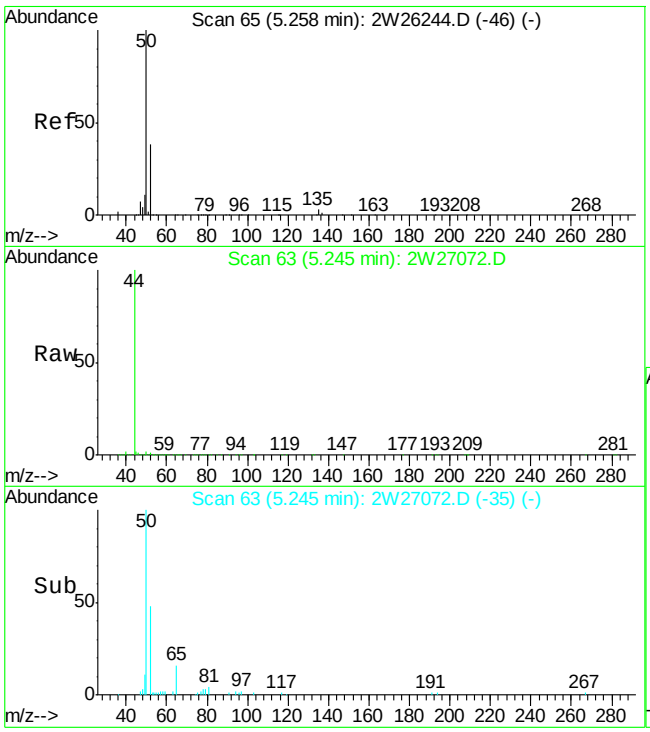


#6
PROPYLENE
Concen: 0.18 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 41 Resp: 14025

Ion	Ratio	Lower	Upper
41	100		
39	106.6	47.9	87.9#
42	55.1	47.3	87.3

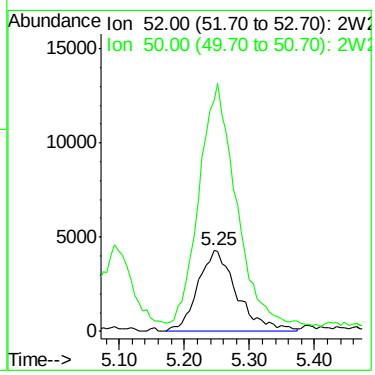


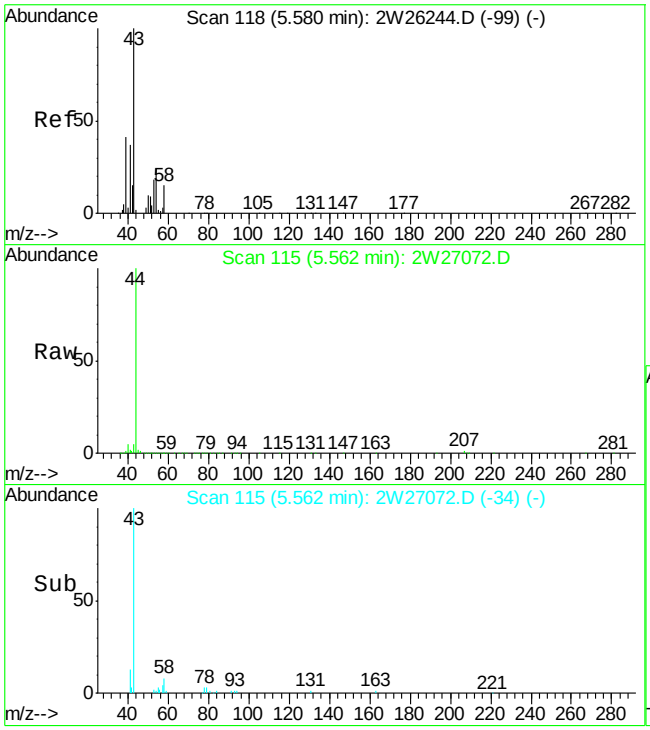


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 52 Resp: 18061

Ion	Ratio	Lower	Upper
52	100		
50	277.4	268.7	308.7

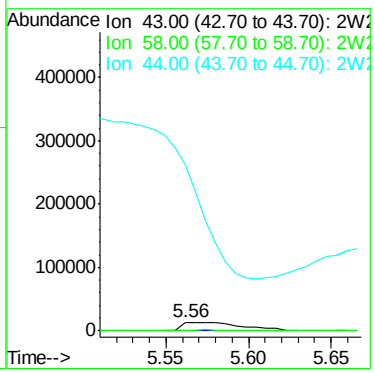


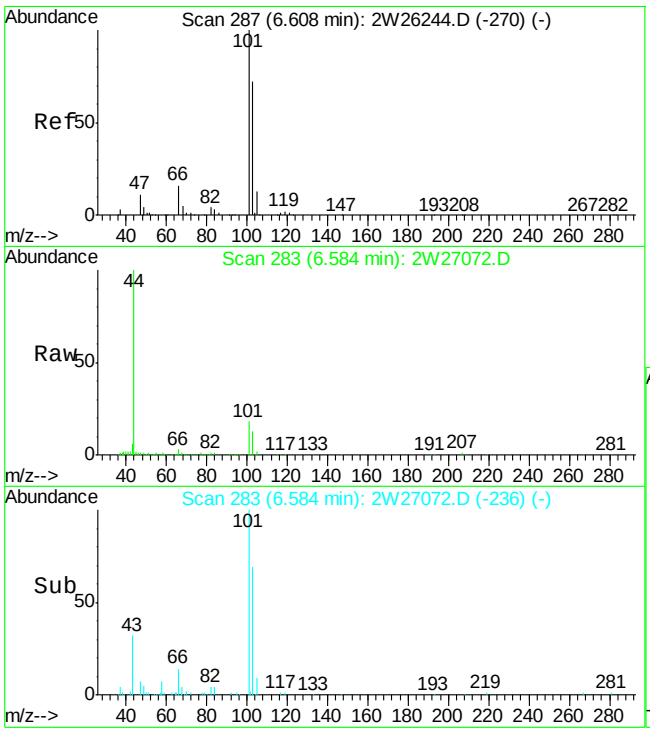


#12
n-BUTANE
Concen: 0.24 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 43 Resp: 33208

Ion	Ratio	Lower	Upper
43	100		
58	19.3	10.6	15.8#
44	0.0	2.3	3.5#

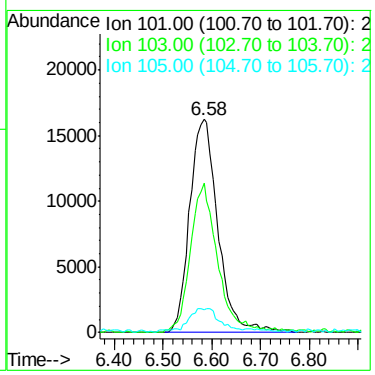


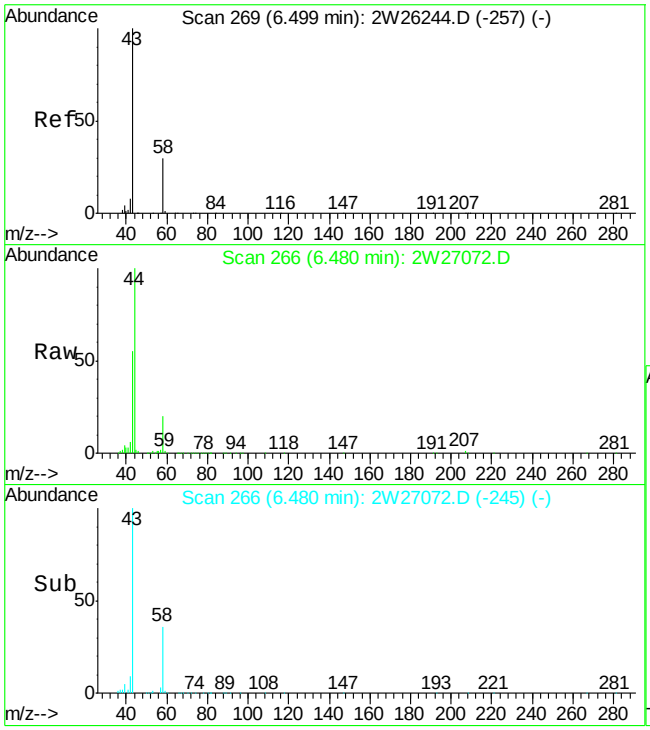


#17
TRICHLOROFLUOROMETHANE
Concen: 0.43 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion:101 Resp: 65223

Ion	Ratio	Lower	Upper
101	100		
103	68.5	46.7	86.7
105	12.4	0.0	31.2

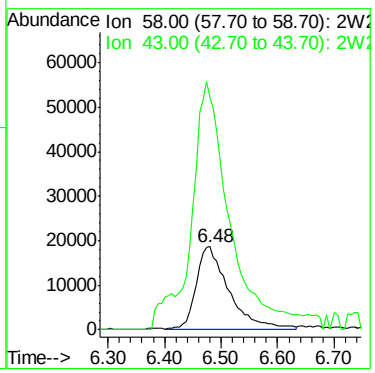


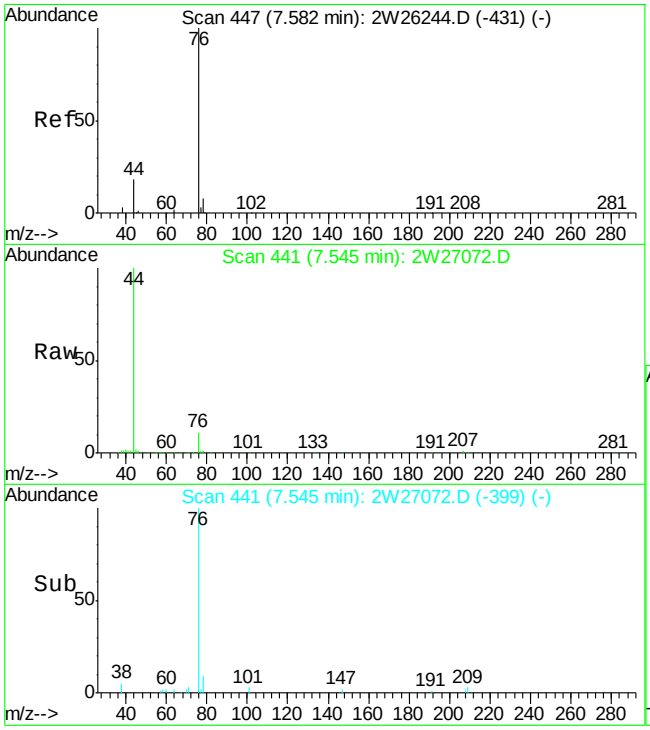


#19
ACETONE
Concen: 2.45 PPBV
RT: 6.48 min Scan# 266
Delta R.T. 0.03 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 58 Resp: 74353

Ion	Ratio	Lower	Upper
58	100		
43	352.6	315.8	355.8

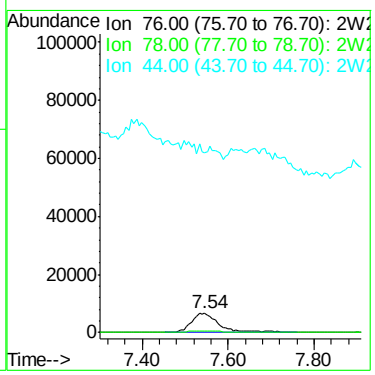


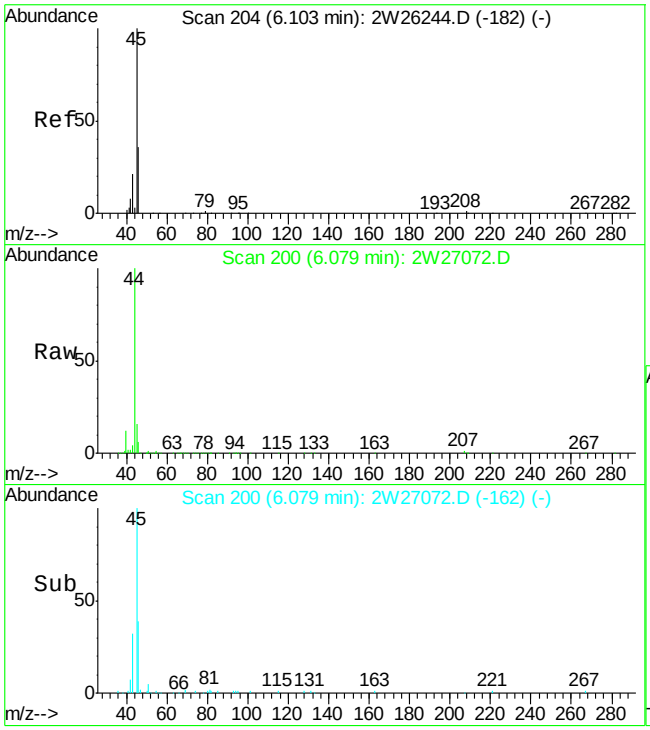


#24
CARBON DISULFIDE
Concen: 0.17 PPBV
RT: 7.54 min Scan# 441
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 76 Resp: 29708

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	29.2
44	0.0	0.0	33.9

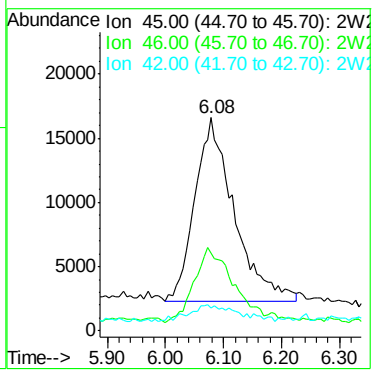


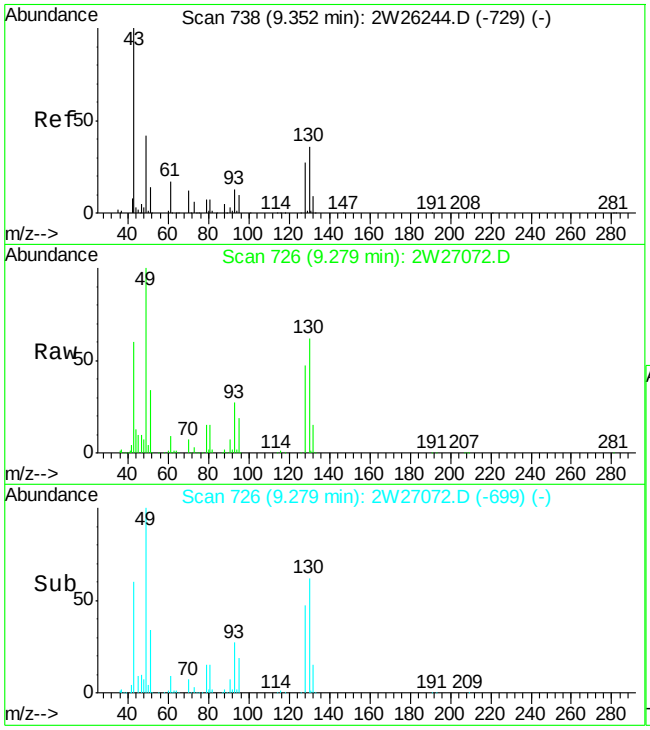


#25
ETHANOL
Concen: 2.18 PPBV
RT: 6.08 min Scan# 200
Delta R.T. 0.03 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 45 Resp: 66753

Ion	Ratio	Lower	Upper
45	100		
46	42.9	9.3	69.3
42	10.4	0.0	37.7

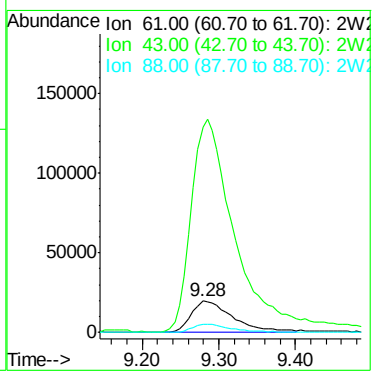


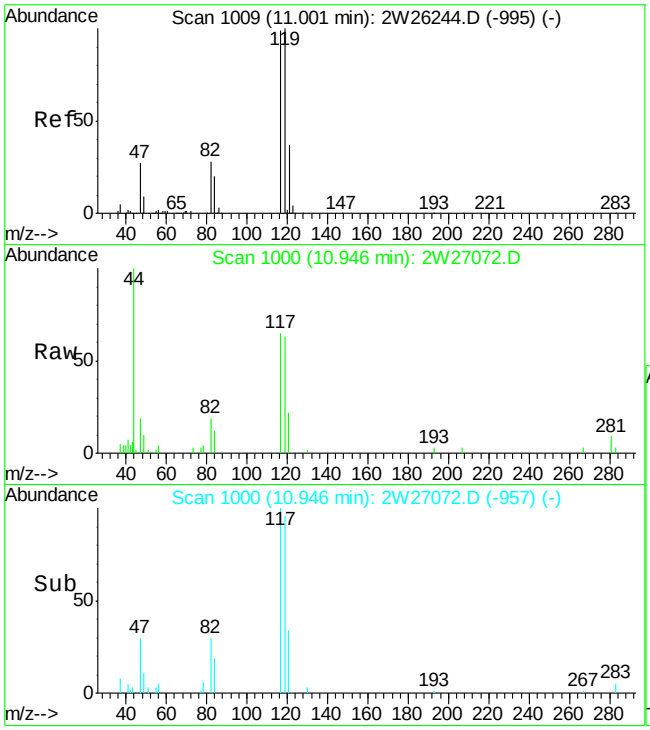


#39
ETHYL ACETATE
Concen: 4.29 PPBV
RT: 9.28 min Scan# 726
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 61 Resp: 75573

Ion	Ratio	Lower	Upper
61	100		
43	686.2	606.5	646.5#
88	24.7	4.8	44.8

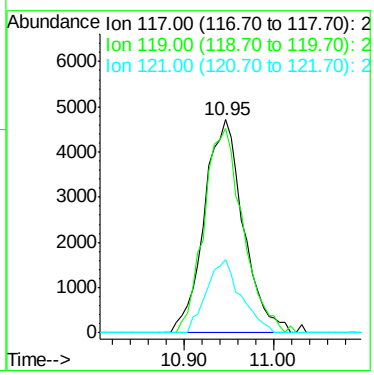


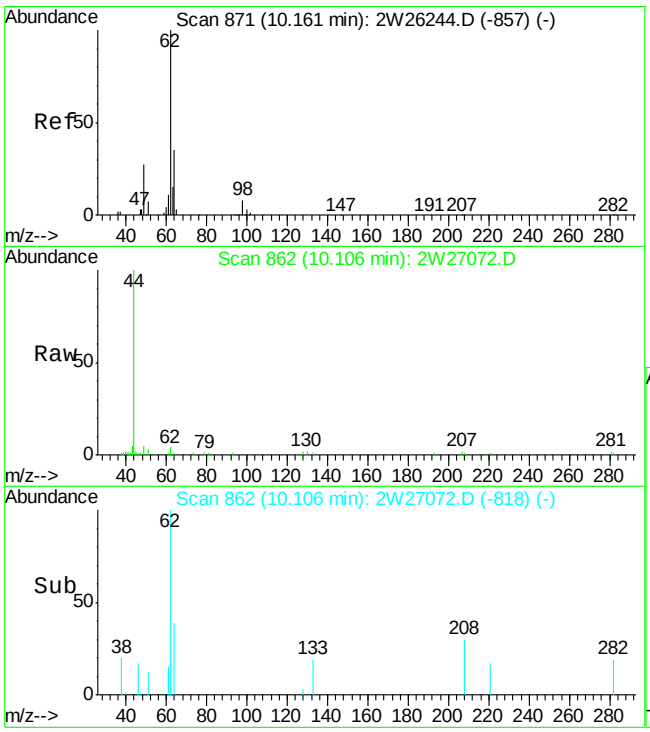


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion:117 Resp: 14282

Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.0	118.0
121	30.1	12.8	52.8

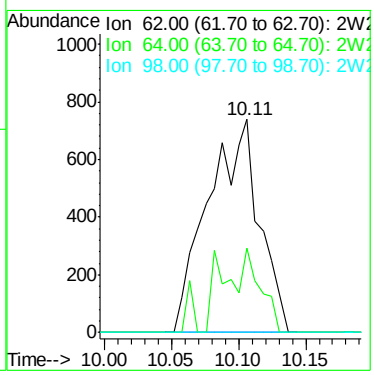


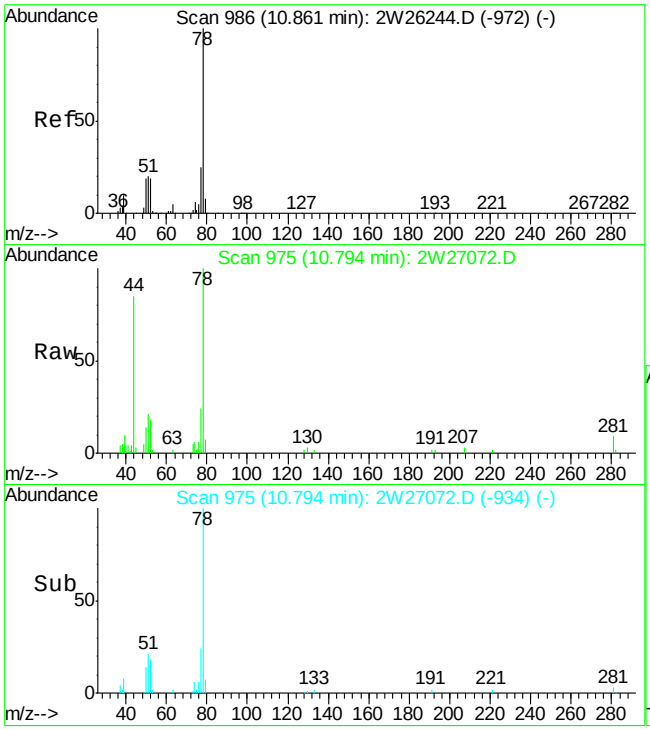


#44
1,2-DICHLOROETHANE
Concen: 0.02 PPBV
RT: 10.11 min Scan# 862
Delta R.T. 0.02 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 62 Resp: 1967

Ion	Ratio	Lower	Upper
62	100		
64	13.5	13.7	53.7#
98	0.0	0.0	28.9

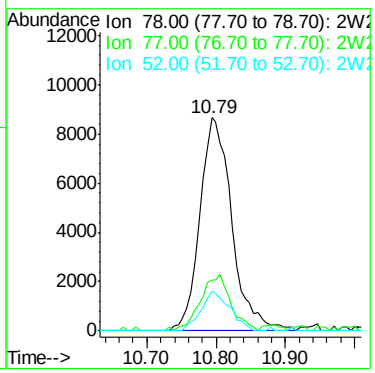


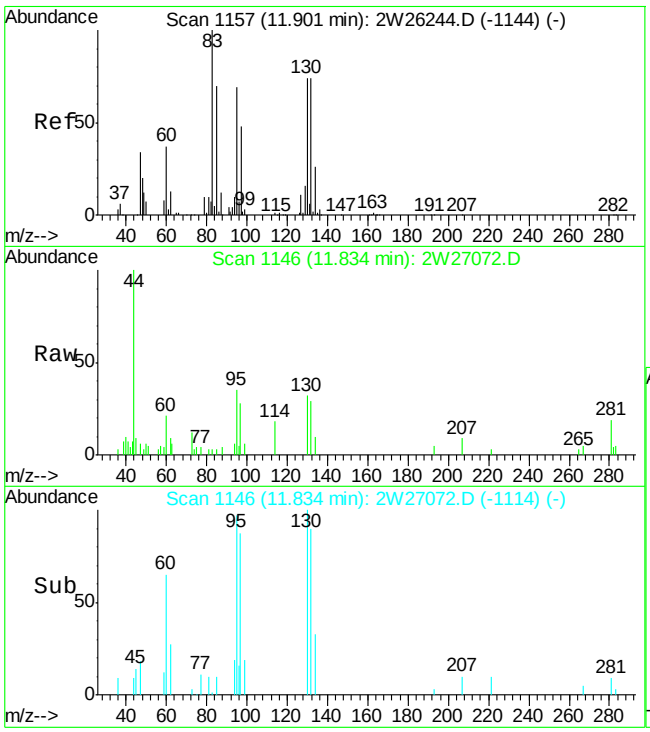


#46
BENZENE
Concen: 0.16 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 78 Resp: 27875

Ion	Ratio	Lower	Upper
78	100		
77	24.8	4.9	44.9
52	16.9	0.0	37.9

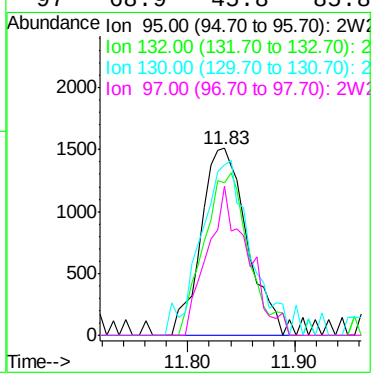


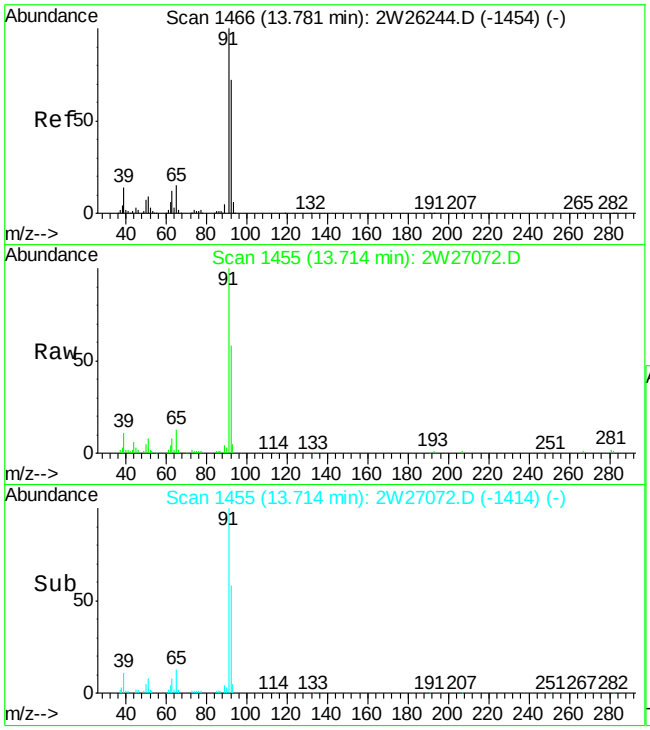


#49
TRICHLOROETHYLENE
Concen: 0.07 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 95 Resp: 4526

Ion	Ratio	Lower	Upper
95	100		
132	84.5	72.7	112.7
130	99.6	75.6	115.6
97	68.9	45.8	85.8

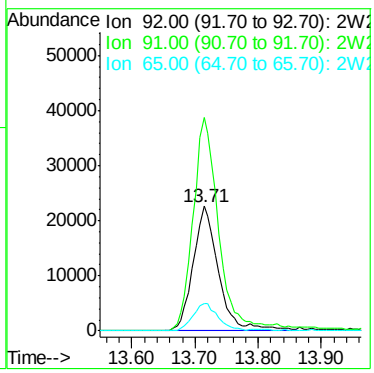


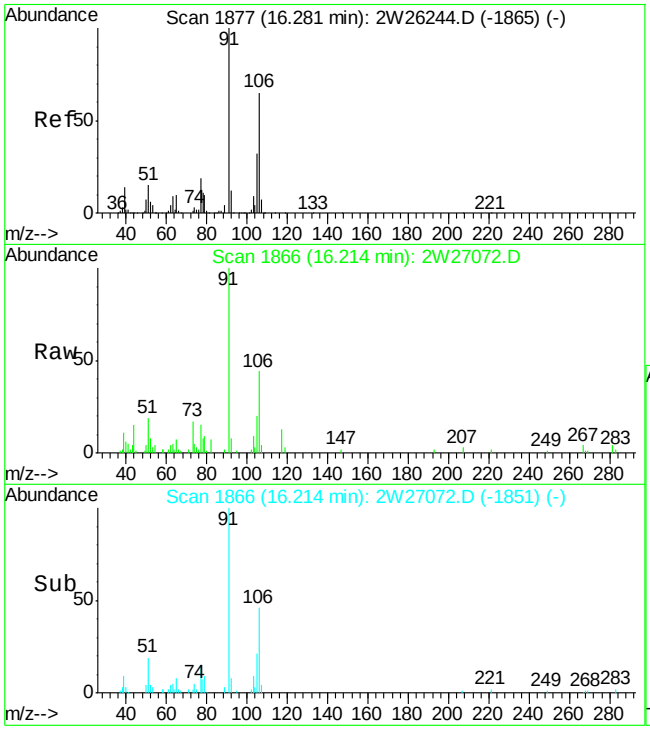


#59
TOLUENE
Concen: 0.62 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion: 92 Resp: 63467

Ion	Ratio	Lower	Upper
92	100		
91	176.6	136.6	176.6
65	21.6	0.9	40.9

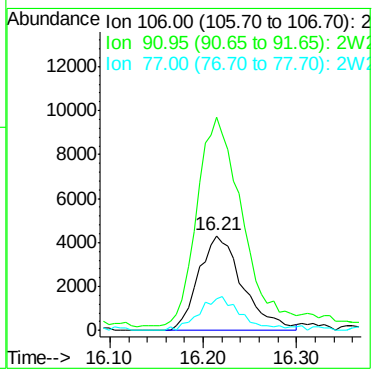


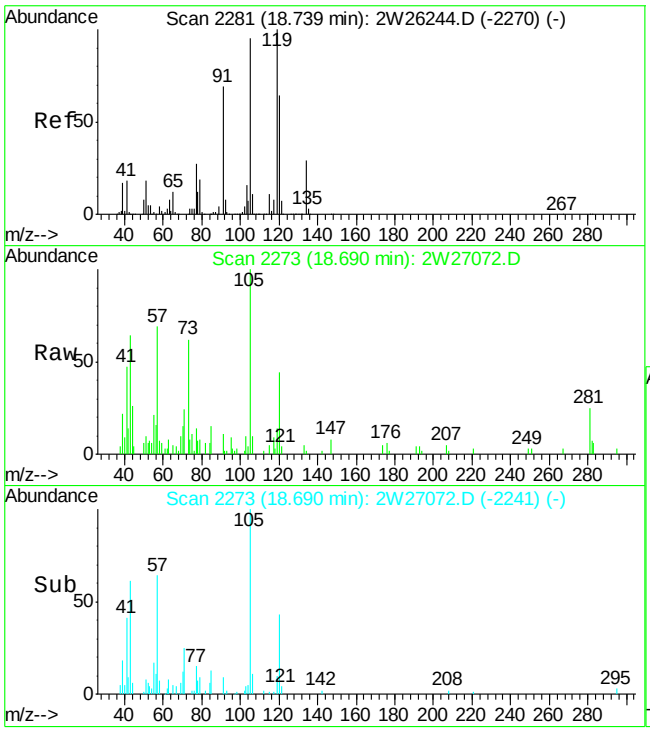


#71
m,p-XYLENE
Concen: 0.17 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion:106 Resp: 14236

Ion	Ratio	Lower	Upper
106	100		
91	225.0	138.6	207.8#
77	33.5	23.5	35.3

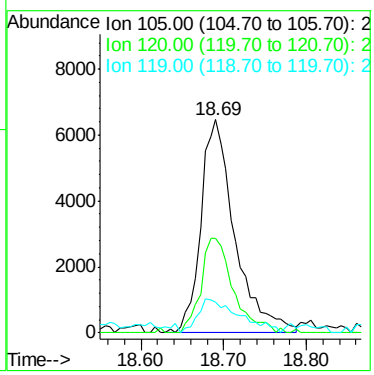




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.14 PPBV
RT: 18.69 min Scan# 2273
Delta R.T. 0.01 min
Lab File: 2W27072.D
Acq: 3 May 2010 8:57 pm

Tgt Ion:105 Resp: 18488

Ion	Ratio	Lower	Upper
105	100		
120	42.3	41.5	81.5
119	19.2	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/05/10 05:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27073.D Vial: 13
Acq On : 3 May 2010 9:40 pm Operator: yunxiac
Sample : ja45062-9 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:11:12 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

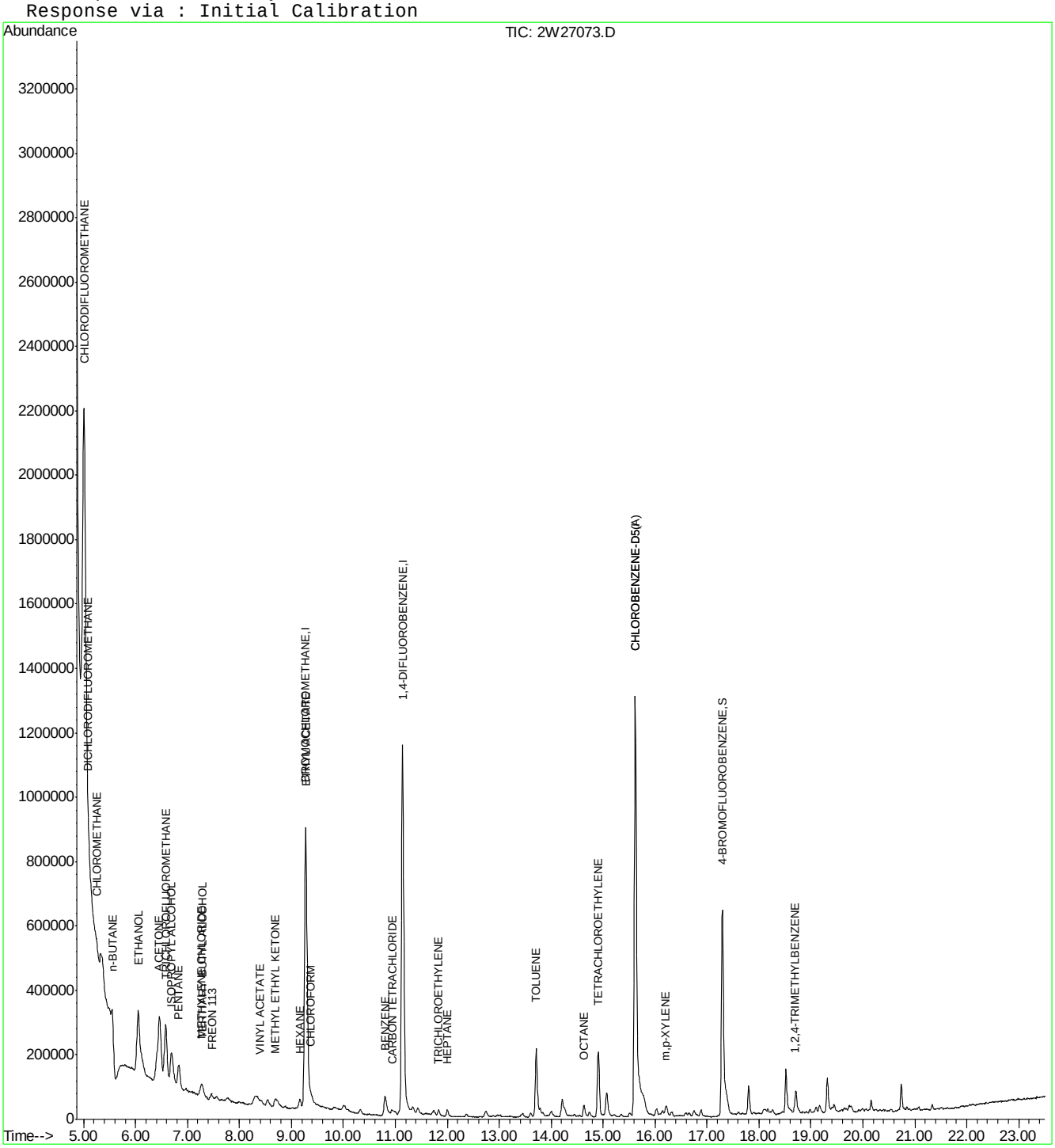
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	370913	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1473096	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	858244	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	856660	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	417560	4.68	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 93.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	114712	0.67	PPBV	#	91
5) CHLORODIFLUOROMETHANE	5.01	67	846227	43.48	PPBV		99
9) CHLOROMETHANE	5.26	52	16555	0.59	PPBV		90
12) n-BUTANE	5.57	43	123183	0.92	PPBV	#	96
17) TRICHLOROFLUOROMETHANE	6.58	101	338520	2.34	PPBV		98
18) ISOPROPYL ALCOHOL	6.70	45	300660	2.85	PPBV		92
19) ACETONE	6.46	58	172338	5.95	PPBV		94
20) PENTANE	6.83	42	65507	0.86	PPBV		99
25) ETHANOL	6.05	45	555741	18.99	PPBV		99
27) METHYLENE CHLORIDE	7.28	84	25963	0.50	PPBV		98
29) FREON 113	7.48	151	7529	0.11	PPBV	#	1
31) TERTIARY BUTYL ALCOHOL	7.29	59	13002m	0.12	PPBV		
34) HEXANE	9.16	57	20789	0.21	PPBV		84
35) VINYL ACETATE	8.40	86	4229	0.35	PPBV	#	31
37) METHYL ETHYL KETONE	8.69	72	11790	0.44	PPBV		98
39) ETHYL ACETATE	9.28	61	33632	2.00	PPBV	#	75
40) CHLOROFORM	9.38	83	14135	0.12	PPBV	#	81
43) CARBON TETRACHLORIDE	10.94	117	13891	0.11	PPBV		94
46) BENZENE	10.80	78	29460	0.19	PPBV		97
49) TRICHLOROETHYLENE	11.83	95	9179	0.15	PPBV		96
55) HEPTANE	12.00	43	11731	0.12	PPBV	#	82
59) TOLUENE	13.71	92	147271	1.59	PPBV		91
64) TETRACHLOROETHYLENE	14.91	164	65690	1.08	PPBV		96
67) OCTANE	14.63	43	26466	0.20	PPBV	#	81
71) m,p-XYLENE	16.21	106	17622	0.24	PPBV	#	76
84) 1,2,4-TRIMETHYLBENZENE	18.69	105	16027	0.14	PPBV	#	27

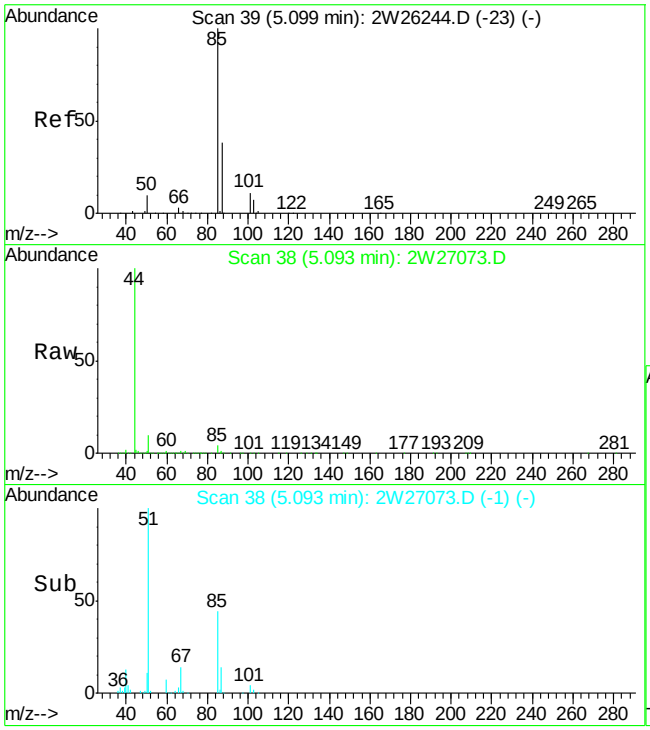
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27073.D Vial: 13
Acq On : 3 May 2010 9:40 pm Operator: yunxiac
Sample : ja45062-9 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:44 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

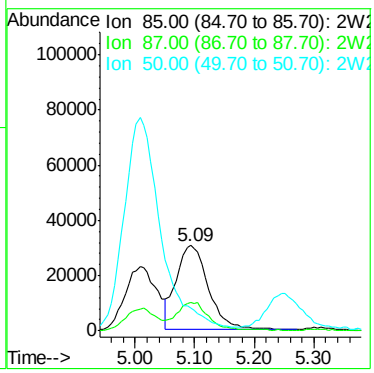


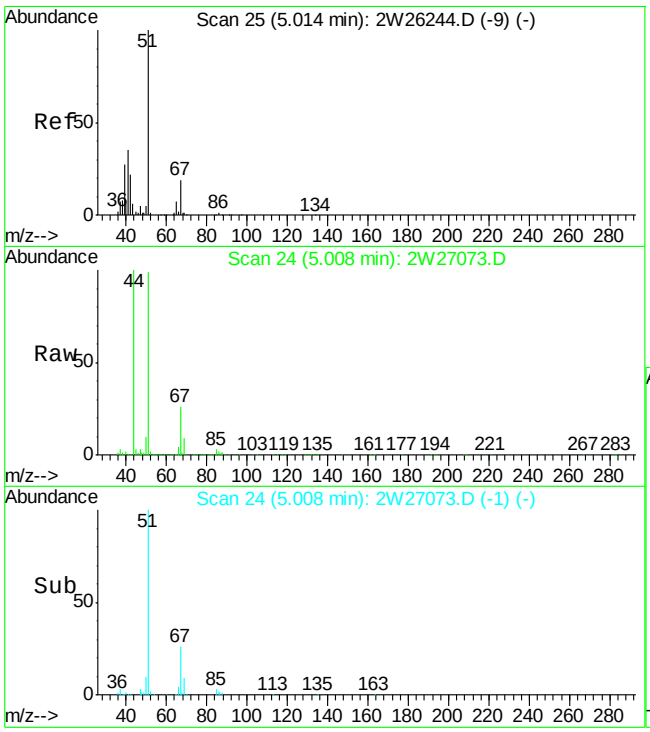


#3
DICHLORODIFLUOROMETHANE
Concen: 0.67 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 85 Resp: 114712

Ion	Ratio	Lower	Upper
85	100		
87	32.5	14.2	54.2
50	0.0	0.0	31.0

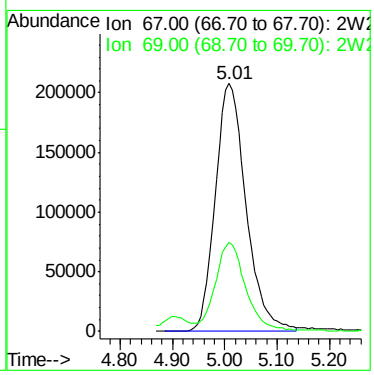


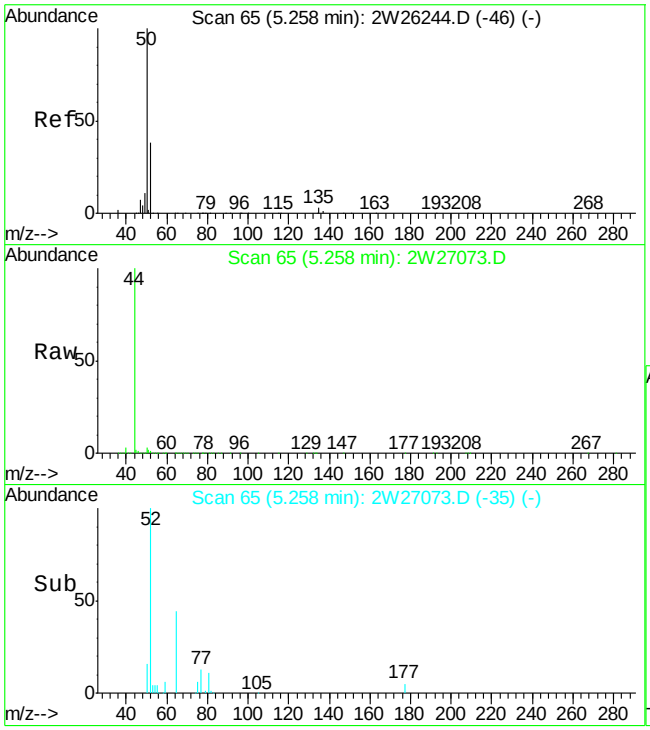


#5
CHLORODIFLUOROMETHANE
Concen: 43.48 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 67 Resp: 846227

Ion	Ratio	Lower	Upper
67	100		
69	33.9	13.6	53.6

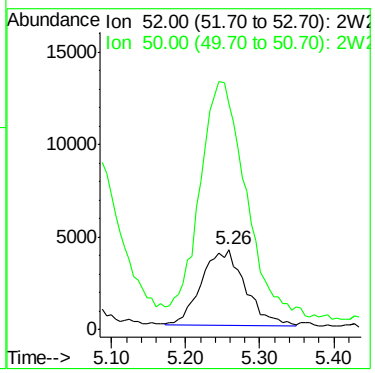


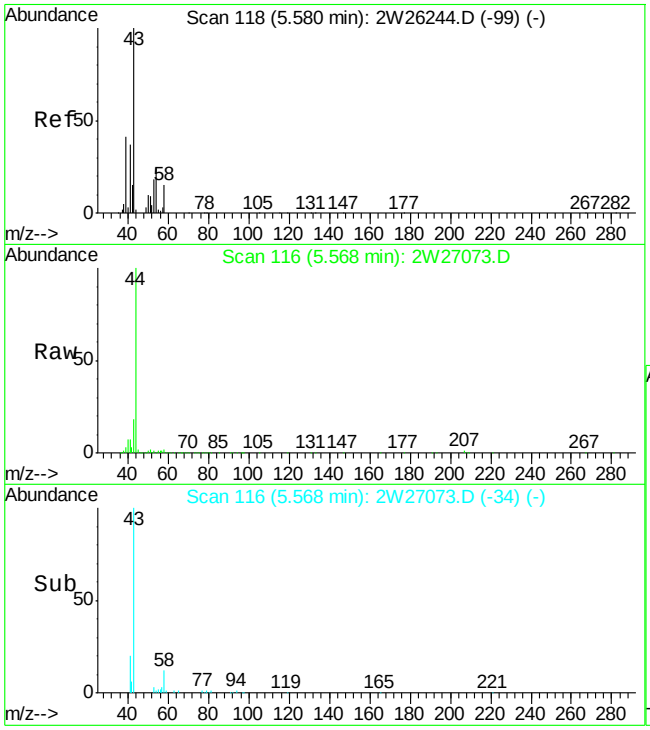


#9
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 5.26 min Scan# 65
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 52 Resp: 16555

Ion	Ratio	Lower	Upper
52	100		
50	269.4	268.7	308.7

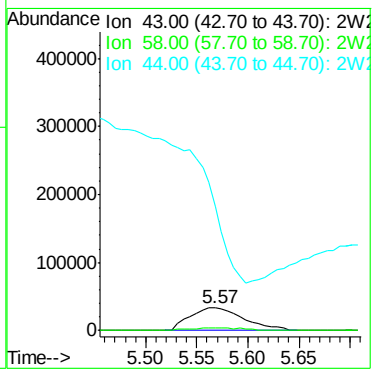


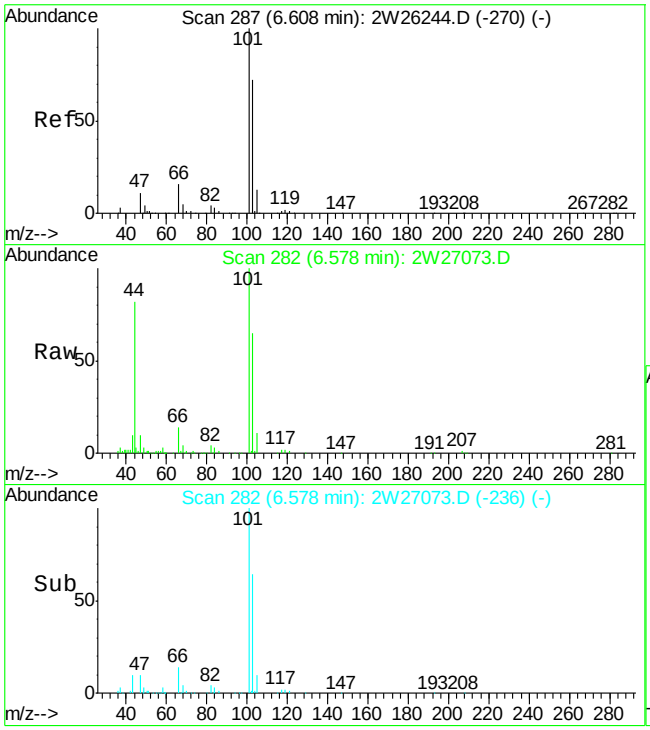


#12
n-BUTANE
Concen: 0.92 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 43 Resp: 123183

Ion	Ratio	Lower	Upper
43	100		
58	11.8	10.6	15.8
44	0.0	2.3	3.5#

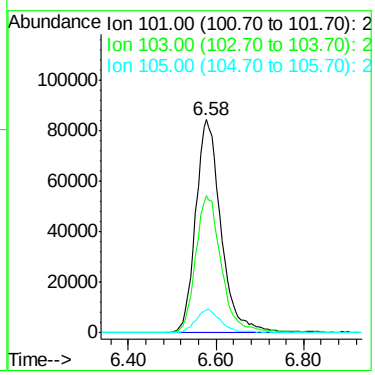


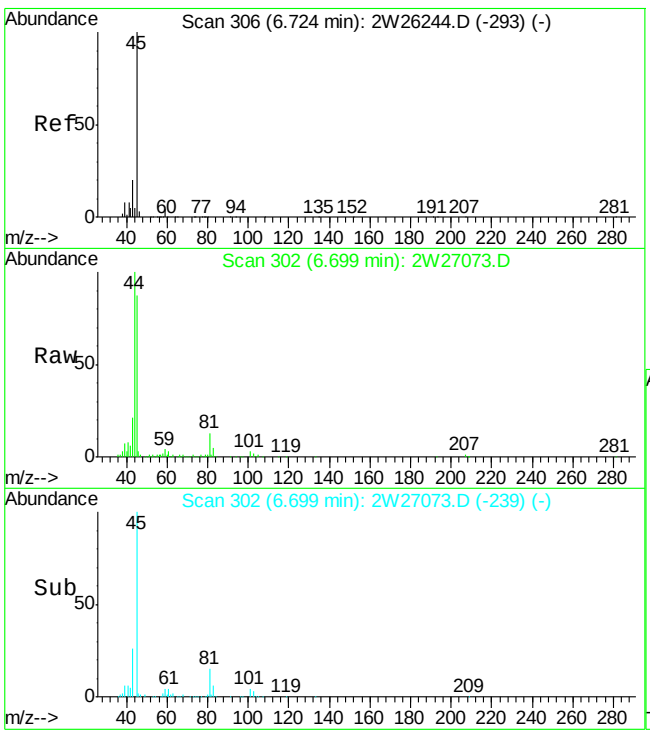


#17
TRICHLOROFLUOROMETHANE
Concen: 2.34 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:101 Resp: 338520

Ion	Ratio	Lower	Upper
101	100		
103	65.1	46.7	86.7
105	11.1	0.0	31.2

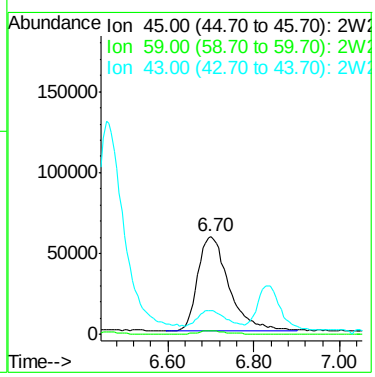


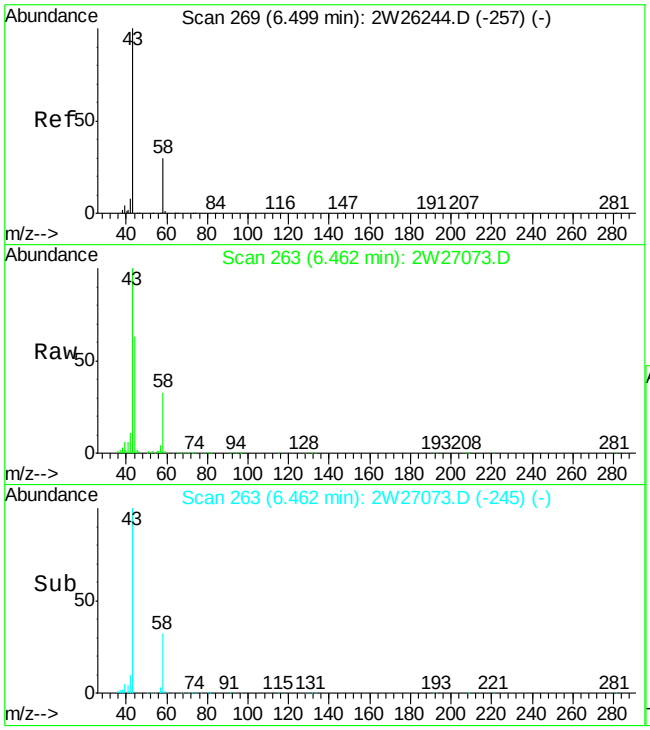


#18
ISOPROPYL ALCOHOL
Concen: 2.85 PPBV
RT: 6.70 min Scan# 302
Delta R.T. 0.03 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 45 Resp: 300660

Ion	Ratio	Lower	Upper
45	100		
59	4.1	0.0	24.1
43	24.7	0.2	40.2

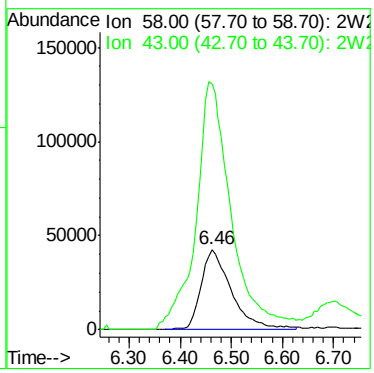


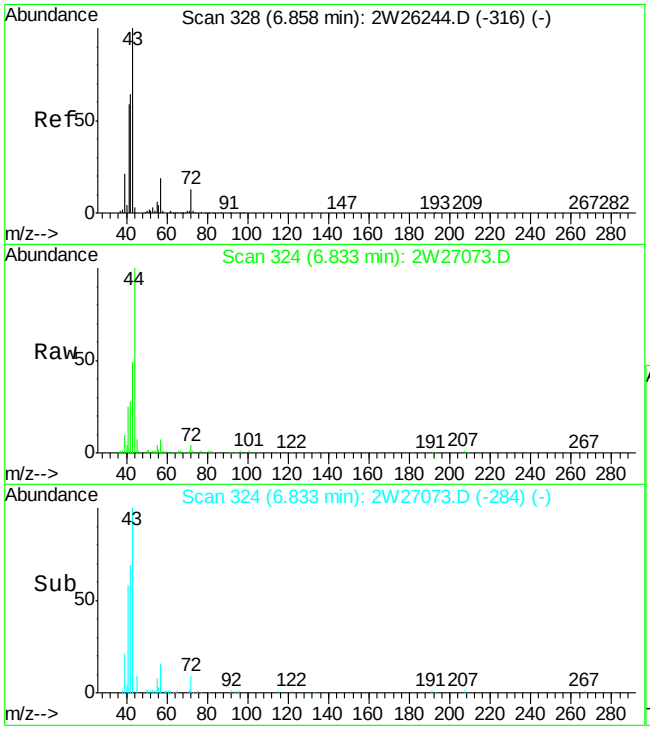


#19
ACETONE
Concen: 5.95 PPBV
RT: 6.46 min Scan# 263
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 58 Resp: 172338

Ion	Ratio	Lower	Upper
58	100		
43	322.8	315.8	355.8

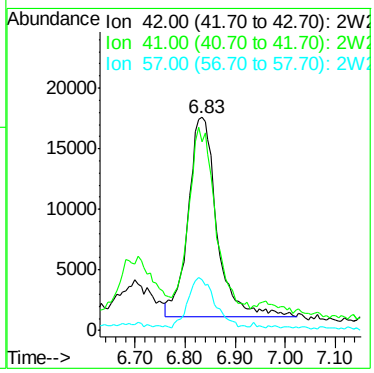


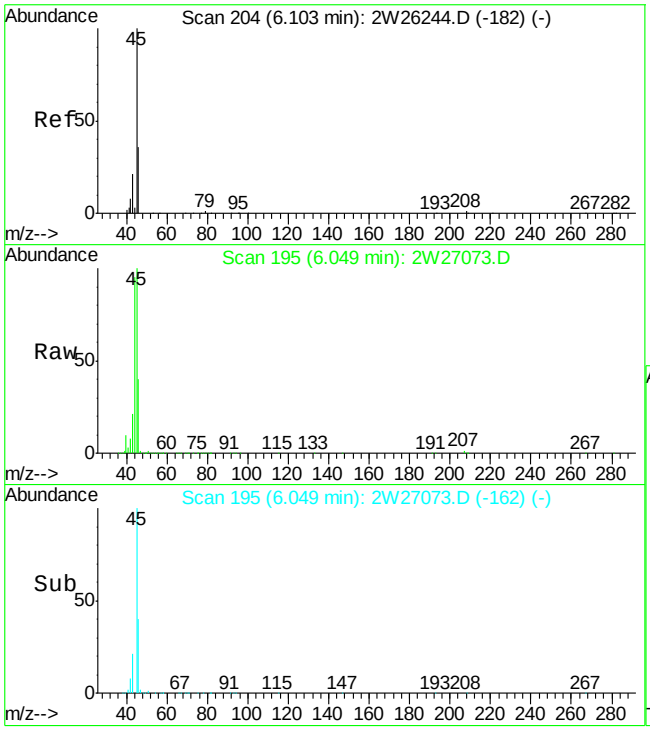


#20
PENTANE
Concen: 0.86 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 42 Resp: 65507

Ion	Ratio	Lower	Upper
42	100		
41	87.7	67.5	107.5
57	23.1	6.1	46.1

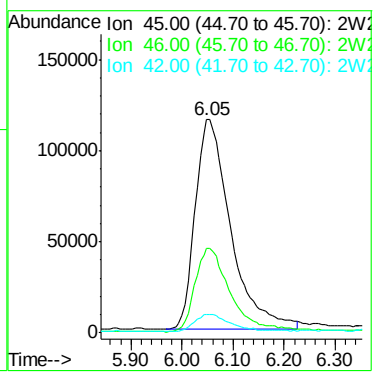


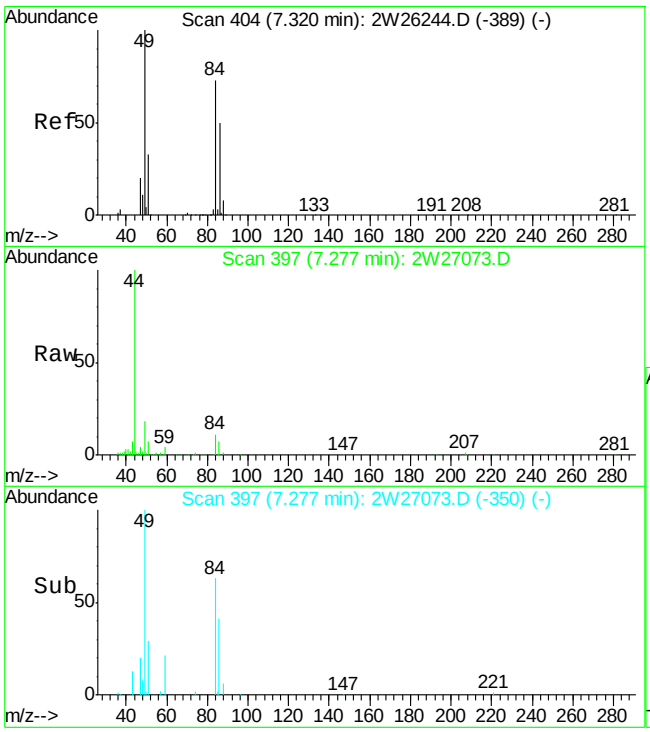


#25
ETHANOL
Concen: 18.99 PPBV
RT: 6.05 min Scan# 195
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 45 Resp: 555741

Ion	Ratio	Lower	Upper
45	100		
46	39.8	9.3	69.3
42	8.2	0.0	37.7

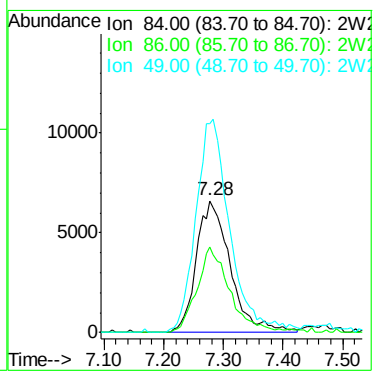


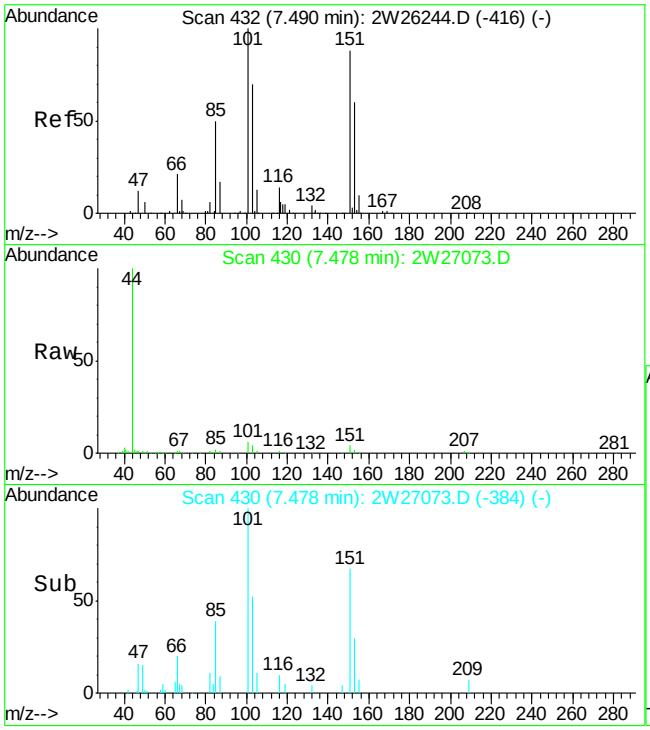


#27
METHYLENE CHLORIDE
Concen: 0.50 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 84 Resp: 25963

Ion	Ratio	Lower	Upper
84	100		
86	63.8	44.9	84.9
49	162.9	0.0	360.7

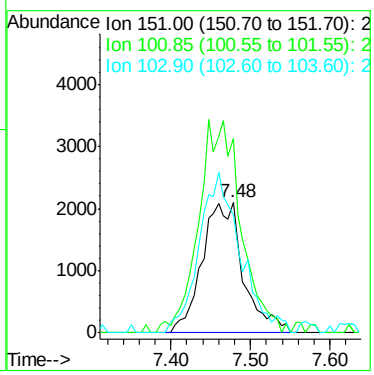


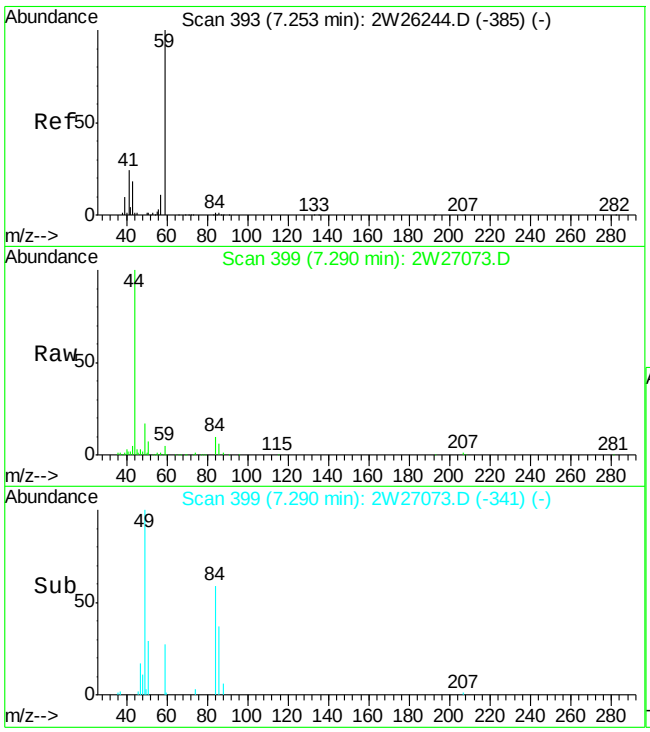


#29
FREON 113
Concen: 0.11 PPBV
RT: 7.48 min Scan# 430
Delta R.T. 0.03 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:151 Resp: 7529

Ion	Ratio	Lower	Upper
151	100		
101	0.0	124.8	164.8#
103	0.0	75.2	115.2#

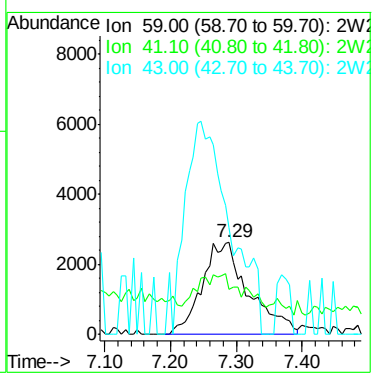


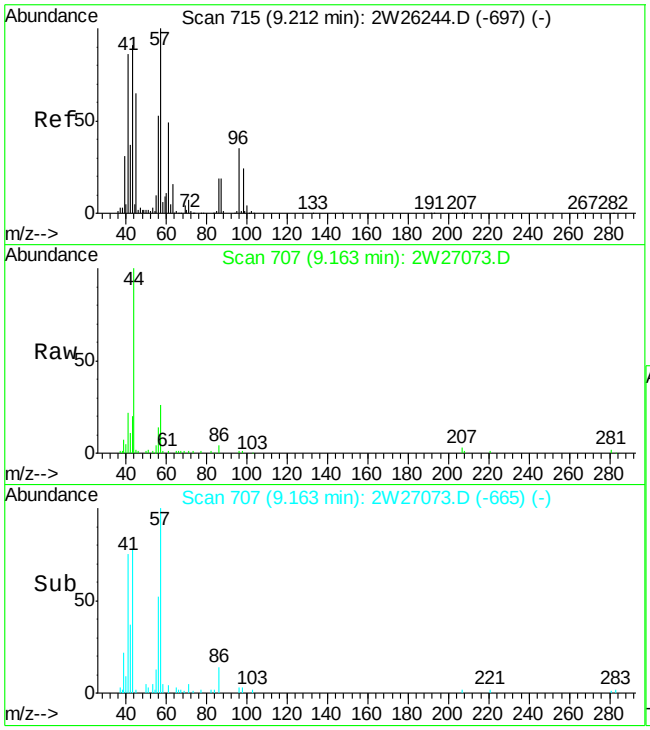


#31
TERTIARY BUTYL ALCOHOL
Concen: 0.12 PPBV m
RT: 7.29 min Scan# 399
Delta R.T. 0.10 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 59 Resp: 13002

Ion	Ratio	Lower	Upper
59	100		
41	5.8	0.0	39.6
43	11.1	0.0	33.6

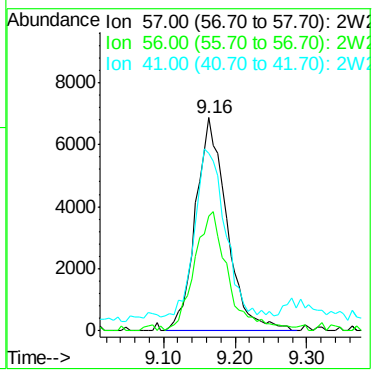


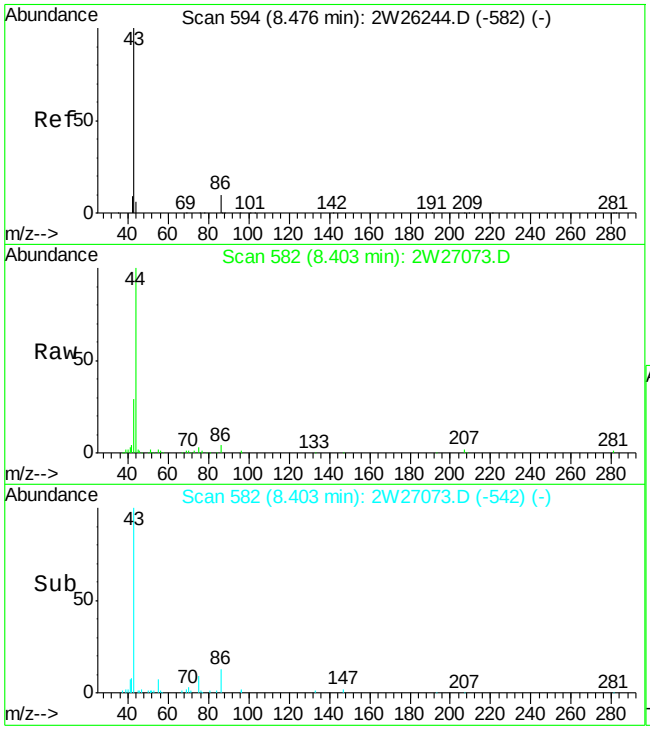


#34
HEXANE
Concen: 0.21 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 57 Resp: 20789

Ion	Ratio	Lower	Upper
57	100		
56	61.0	32.4	72.4
41	79.8	77.6	117.6

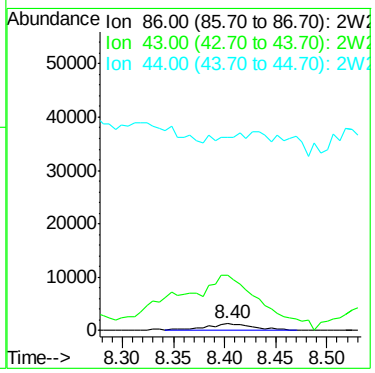


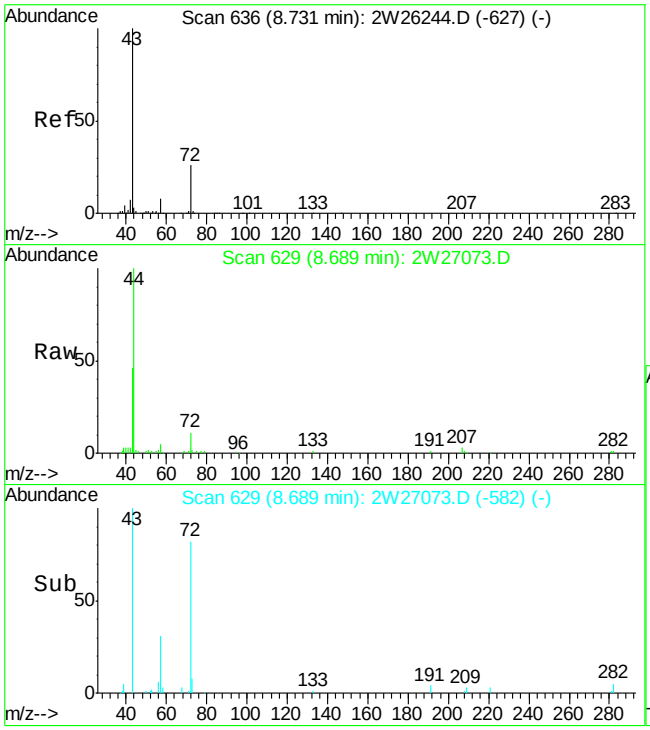


#35
VINYL ACETATE
Concen: 0.35 PPBV
RT: 8.40 min Scan# 582
Delta R.T. -0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 86 Resp: 4229

Ion	Ratio	Lower	Upper
86	100		
43	855.9	1182.5	1222.5#
44	0.0	43.0	83.0#

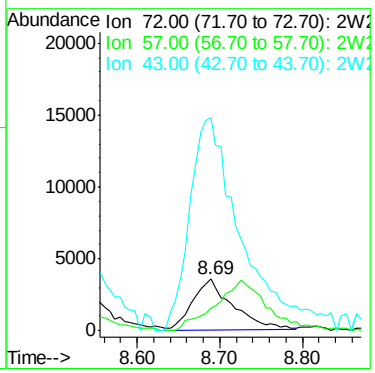


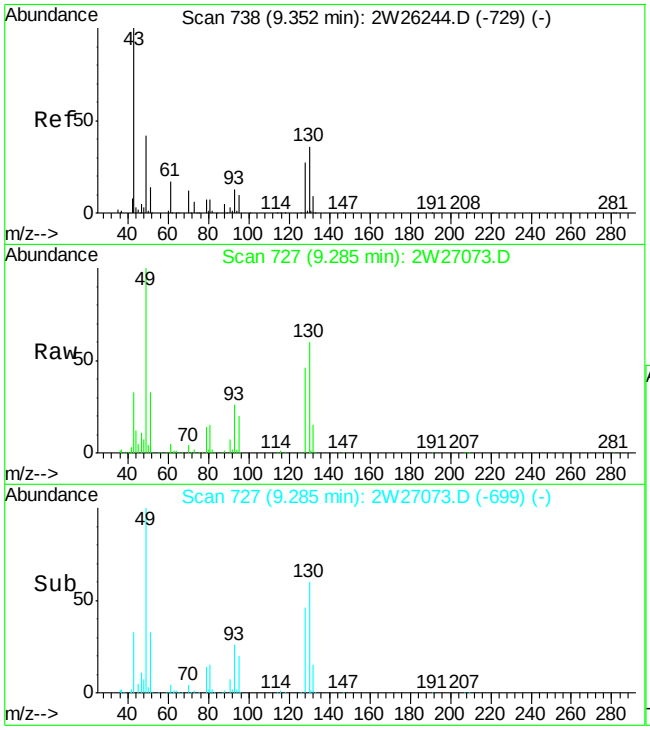


#37
METHYL ETHYL KETONE
Concen: 0.44 PPBV
RT: 8.69 min Scan# 629
Delta R.T. 0.04 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 72 Resp: 11790

Ion	Ratio	Lower	Upper
72	100		
57	42.9	13.8	53.8
43	411.8	389.3	429.3

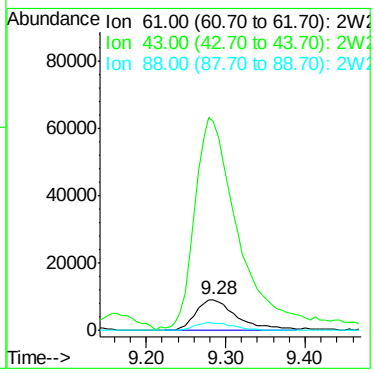


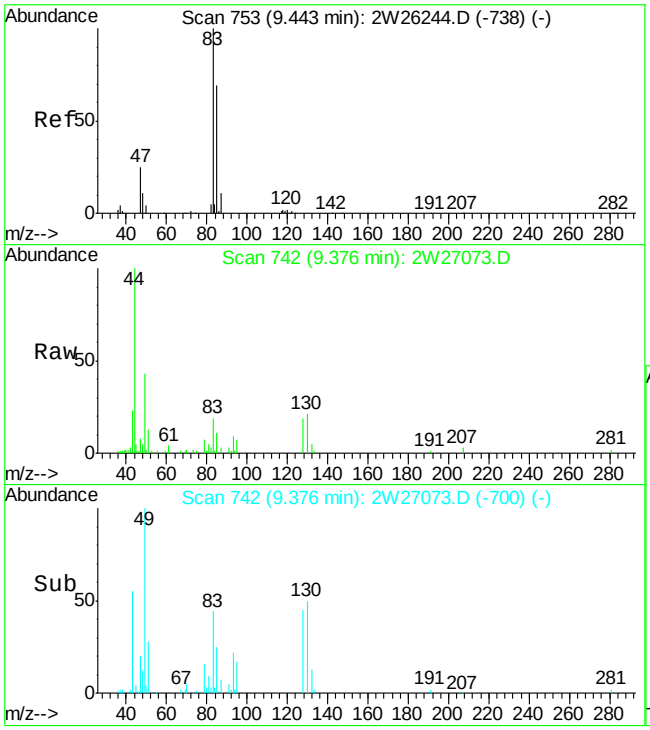


#39
ETHYL ACETATE
Concen: 2.00 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 61 Resp: 33632

Ion	Ratio	Lower	Upper
61	100		
43	709.0	606.5	646.5#
88	24.3	4.8	44.8

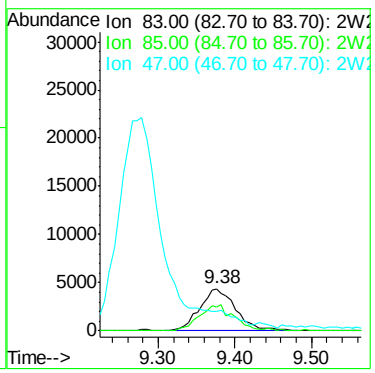


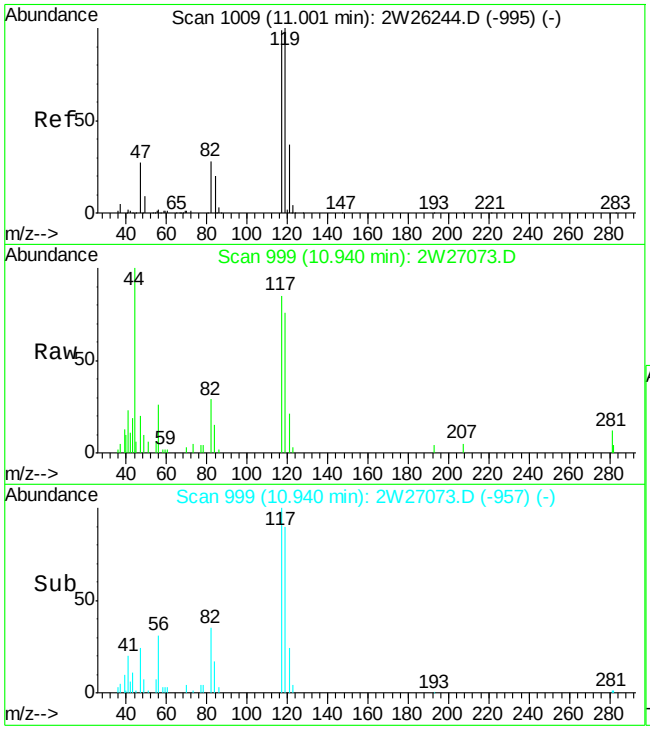


#40
CHLOROFORM
Concen: 0.12 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 83 Resp: 14135

Ion	Ratio	Lower	Upper
83	100		
85	61.1	46.8	86.8
47	0.0	4.9	44.9#

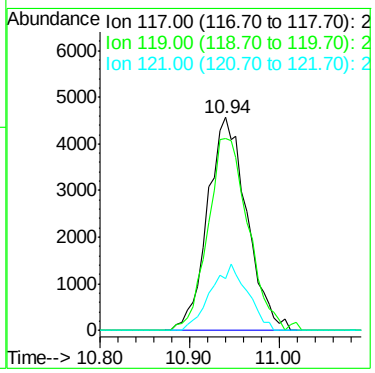


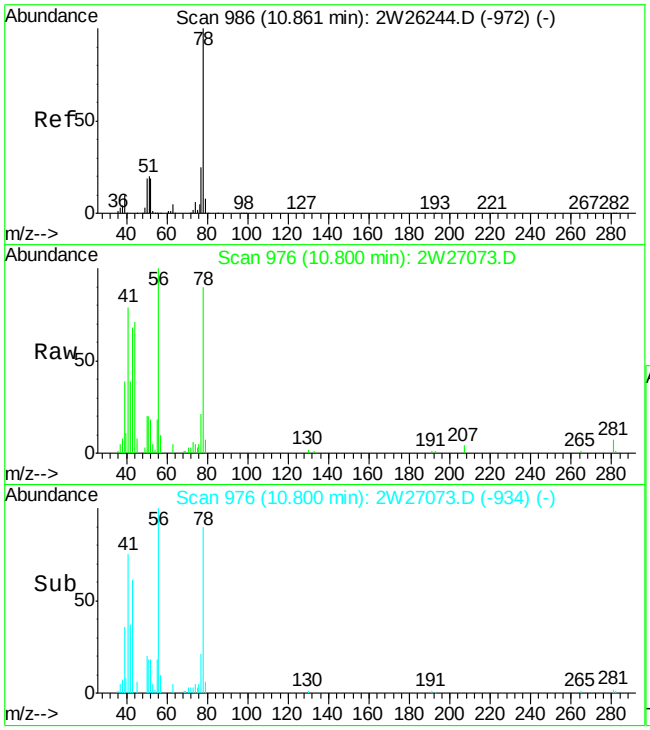


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:117 Resp: 13891

Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.0	118.0
121	29.1	12.8	52.8

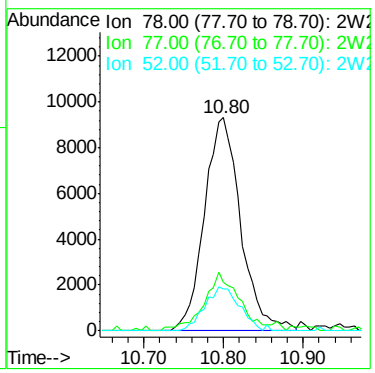


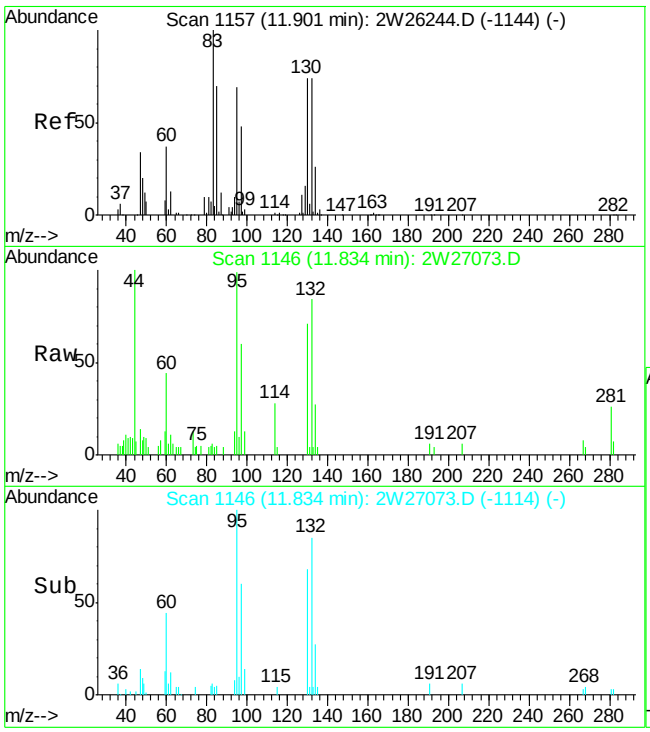


#46
BENZENE
Concen: 0.19 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 78 Resp: 29460

Ion	Ratio	Lower	Upper
78	100		
77	26.0	4.9	44.9
52	19.5	0.0	37.9

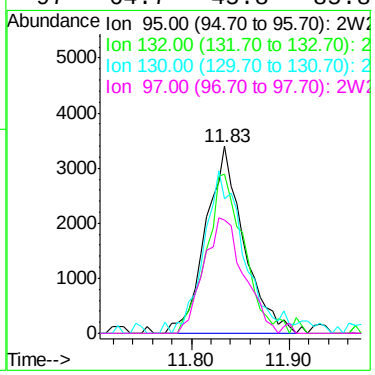


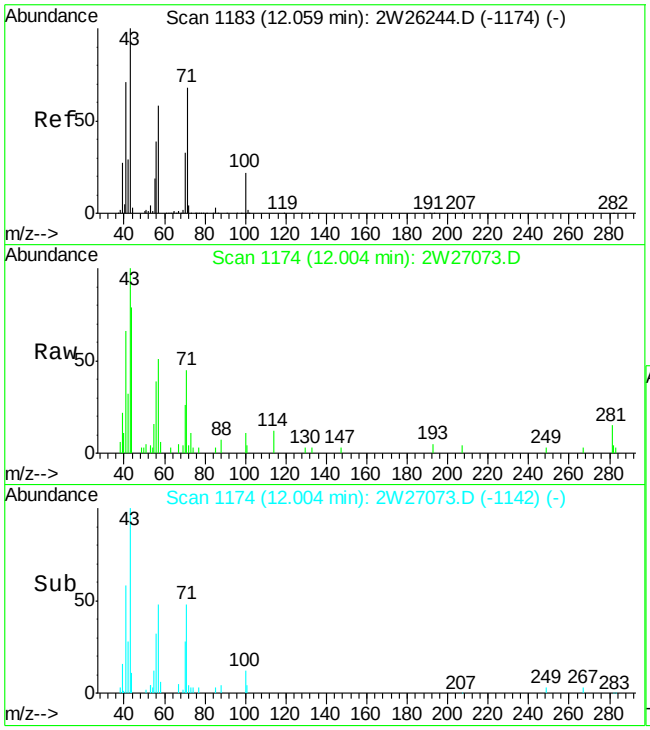


#49
TRICHLOROETHYLENE
Concen: 0.15 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 95 Resp: 9179

Ion	Ratio	Lower	Upper
95	100		
132	84.8	72.7	112.7
130	95.2	75.6	115.6
97	64.7	45.8	85.8

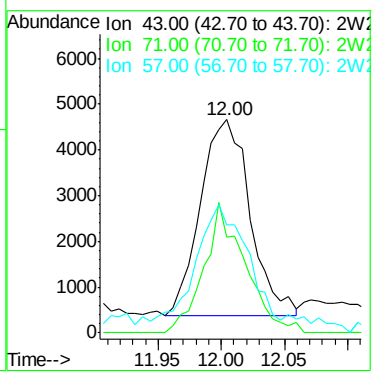


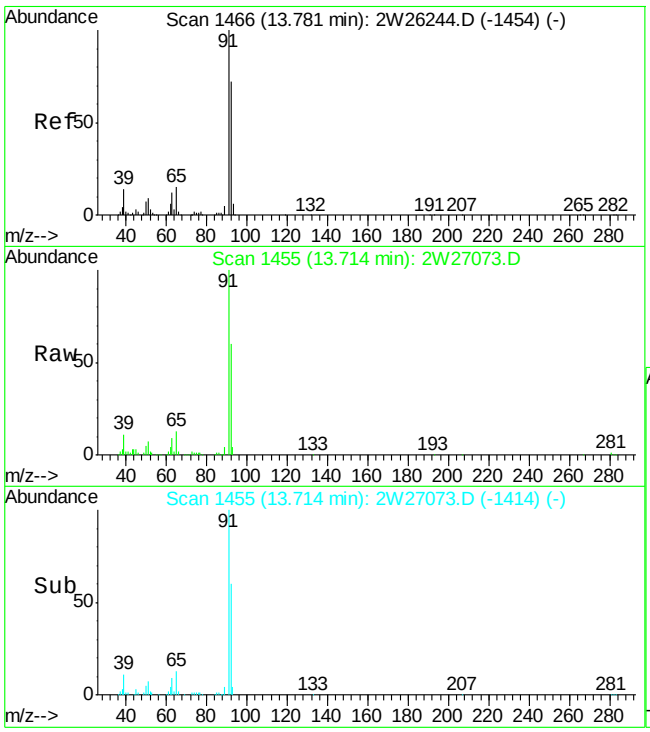


#55
HEPTANE
Concen: 0.12 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 43 Resp: 11731

Ion	Ratio	Lower	Upper
43	100		
71	54.7	41.4	81.4
57	78.0	36.9	76.9#

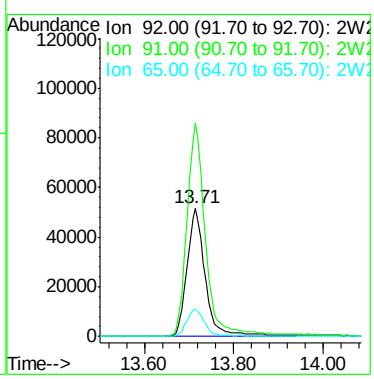


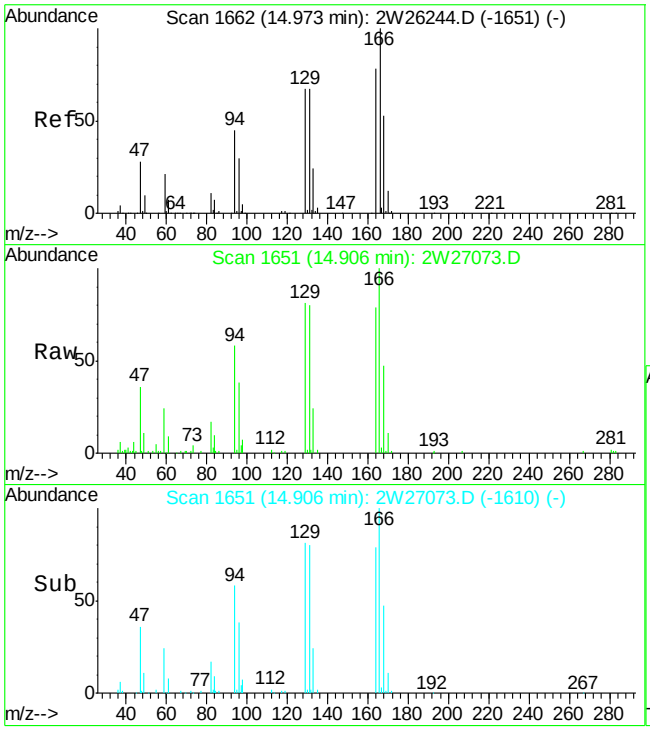


#59
TOLUENE
Concen: 1.59 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 92 Resp: 147271

Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.6	176.6
65	21.1	0.9	40.9

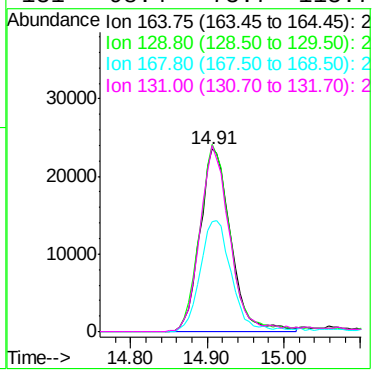


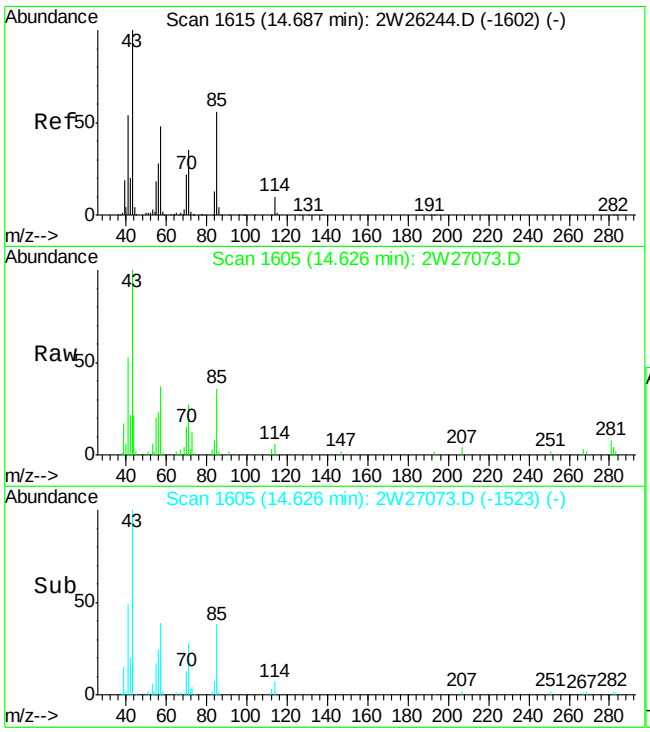


#64
TETRACHLOROETHYLENE
Concen: 1.08 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:164 Resp: 65690

Ion	Ratio	Lower	Upper
164	100		
129	101.7	76.6	116.6
168	63.4	44.5	84.5
131	98.4	73.7	113.7

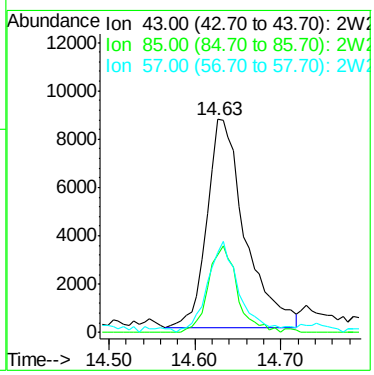


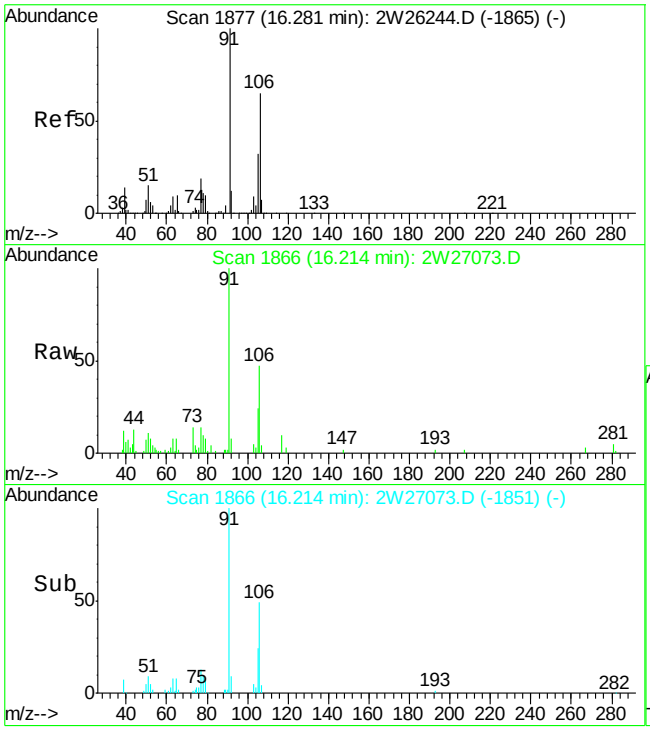


#67
OCTANE
Concen: 0.20 PPBV
RT: 14.63 min Scan# 1605
Delta R.T. 0.00 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion: 43 Resp: 26466

Ion	Ratio	Lower	Upper
43	100		
85	31.6	39.5	59.3#
57	36.9	35.6	53.4

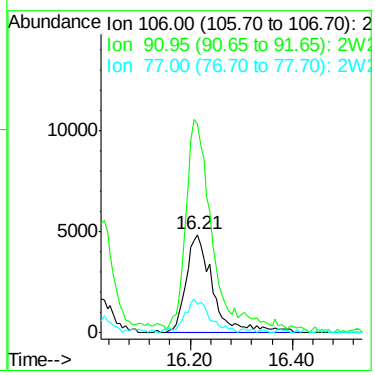


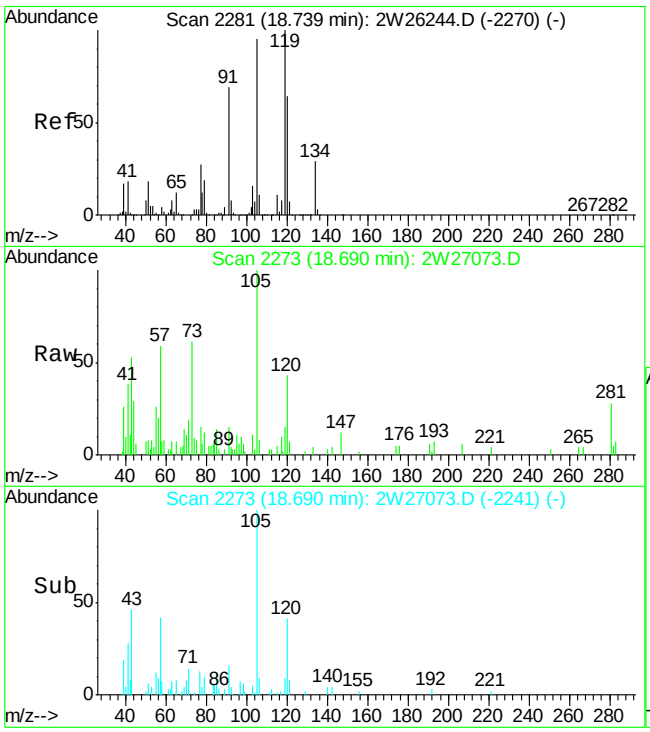


#71
m,p-XYLENE
Concen: 0.24 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:106 Resp: 17622

Ion	Ratio	Lower	Upper
106	100		
91	212.7	138.6	207.8#
77	29.3	23.5	35.3

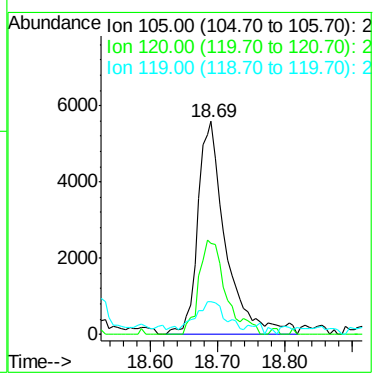




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.14 PPBV
RT: 18.69 min Scan# 2273
Delta R.T. 0.01 min
Lab File: 2W27073.D
Acq: 3 May 2010 9:40 pm

Tgt Ion:105 Resp: 16027

Ion	Ratio	Lower	Upper
105	100		
120	42.8	41.5	81.5
119	13.1	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/06/10 00:32

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27101.D Vial: 14
Acq On : 5 May 2010 2:40 am Operator: yunxiac
Sample : ja45062-10 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:18 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

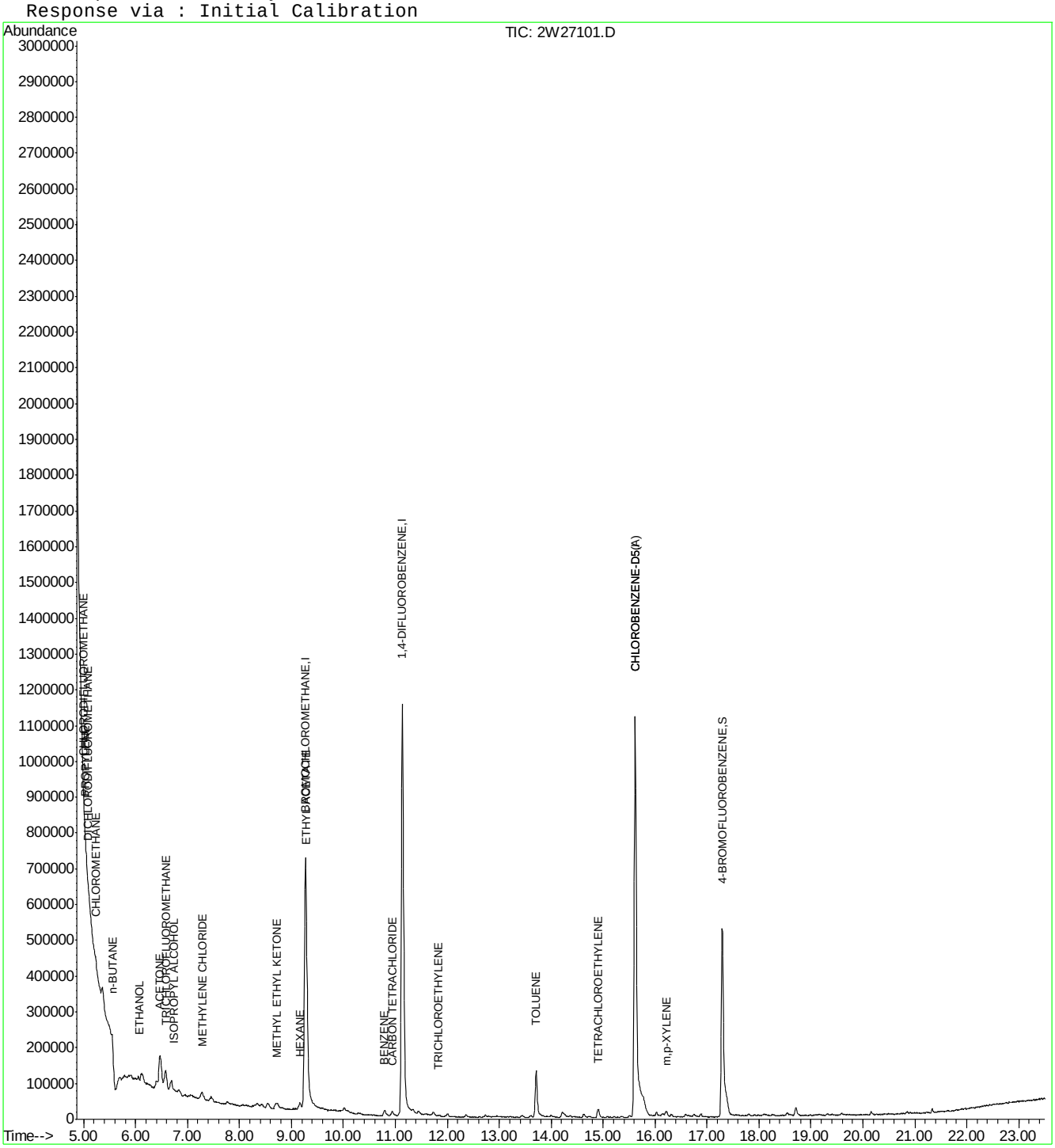
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	307962	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1377516	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	709202	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	709202	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	329061	4.47	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	98989	0.70	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	13777	0.85	PPBV	#	41
6) PROPYLENE	5.04	41	15117	0.25	PPBV	#	64
9) CHLOROMETHANE	5.25	52	14181	0.61	PPBV	#	78
12) n-BUTANE	5.56	43	41066	0.37	PPBV	#	96
17) TRICHLOROFLUOROMETHANE	6.58	101	106090	0.88	PPBV		99
18) ISOPROPYL ALCOHOL	6.74	45	33351m	0.38	PPBV		
19) ACETONE	6.47	58	89182	3.71	PPBV		98
25) ETHANOL	6.08	45	60344	2.48	PPBV		97
27) METHYLENE CHLORIDE	7.28	84	14621	0.34	PPBV		96
34) HEXANE	9.17	57	13122	0.16	PPBV		91
37) METHYL ETHYL KETONE	8.71	72	6986	0.32	PPBV	#	49
39) ETHYL ACETATE	9.29	61	9478	0.68	PPBV	#	45
43) CARBON TETRACHLORIDE	10.95	117	12605	0.12	PPBV		96
46) BENZENE	10.79	78	18987	0.13	PPBV		98
49) TRICHLOROETHYLENE	11.82	95	2123	0.04	PPBV	#	26
59) TOLUENE	13.71	92	84305	0.97	PPBV		87
64) TETRACHLOROETHYLENE	14.91	164	6306	0.13	PPBV		91
71) m,p-XYLENE	16.21	106	6890	0.11	PPBV		80

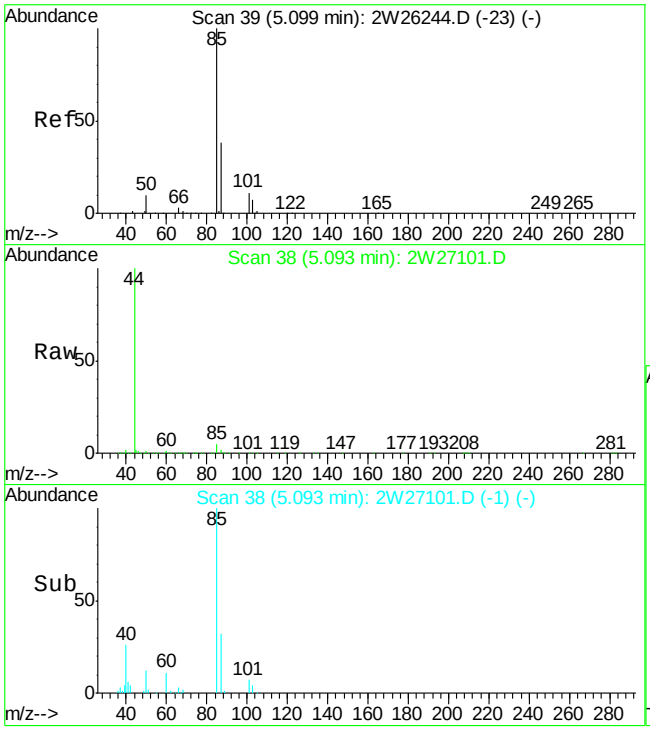
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27101.D Vial: 14
Acq On : 5 May 2010 2:40 am Operator: yunxiac
Sample : ja45062-10 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:46 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

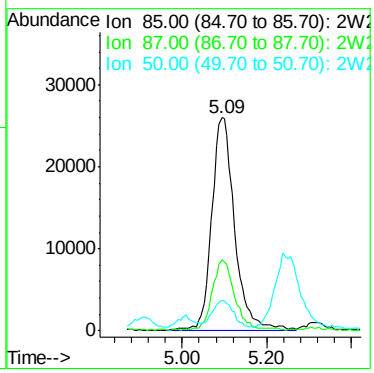


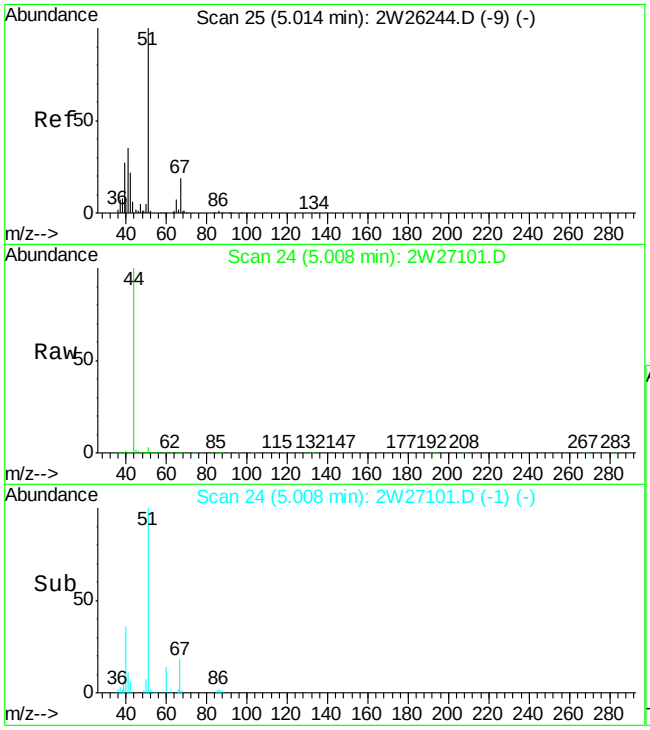


#3
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 85 Resp: 98989

Ion	Ratio	Lower	Upper
85	100		
87	33.0	14.2	54.2
50	11.0	0.0	31.0

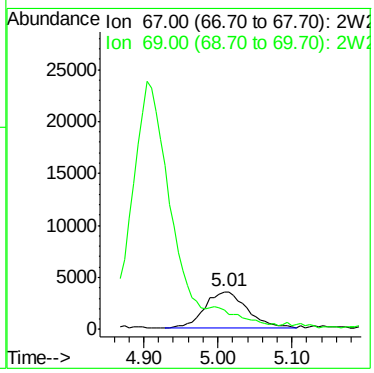


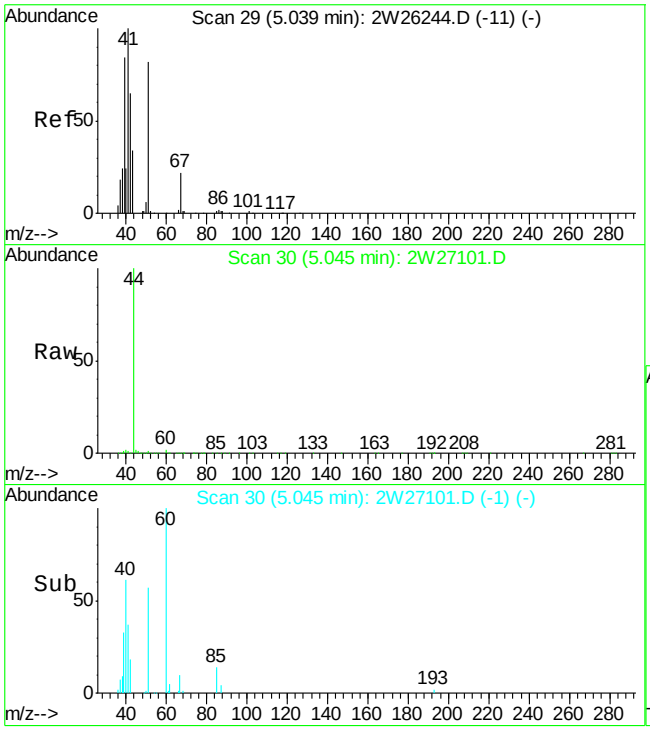


#5
CHLORODIFLUOROMETHANE
Concen: 0.85 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 67 Resp: 13777

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

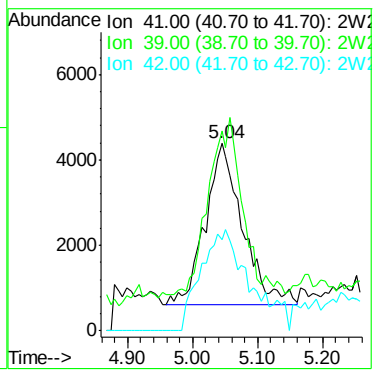


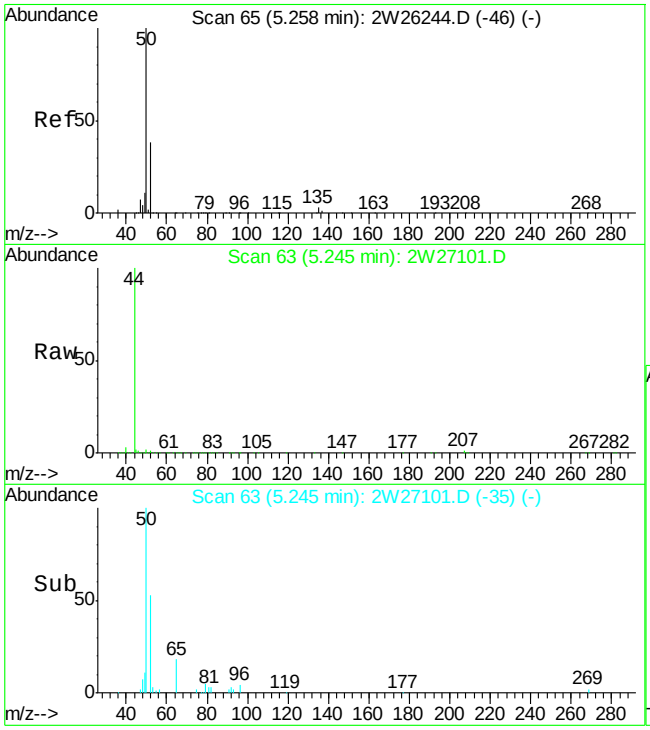


#6
PROPYLENE
Concen: 0.25 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 41 Resp: 15117

Ion	Ratio	Lower	Upper
41	100		
39	106.6	47.9	87.9#
42	48.8	47.3	87.3

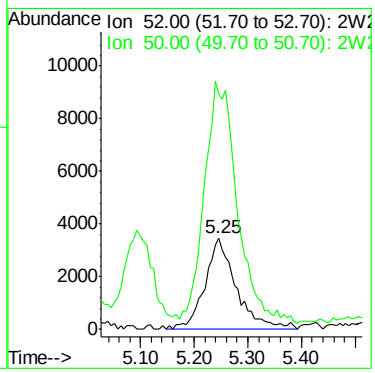


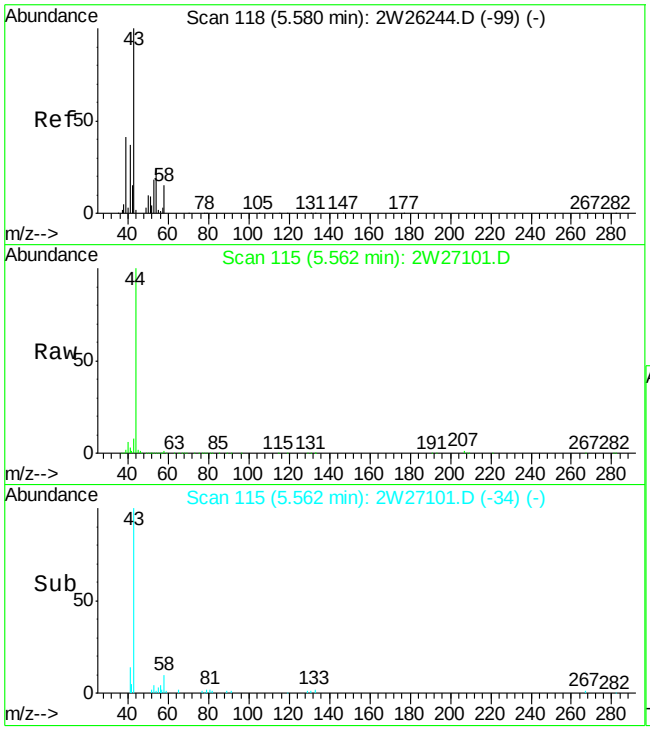


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 52 Resp: 14181

Ion	Ratio	Lower	Upper
52	100		
50	246.0	268.7	308.7#

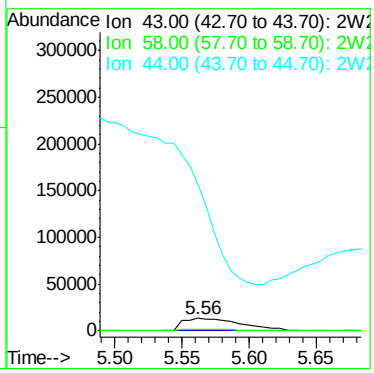


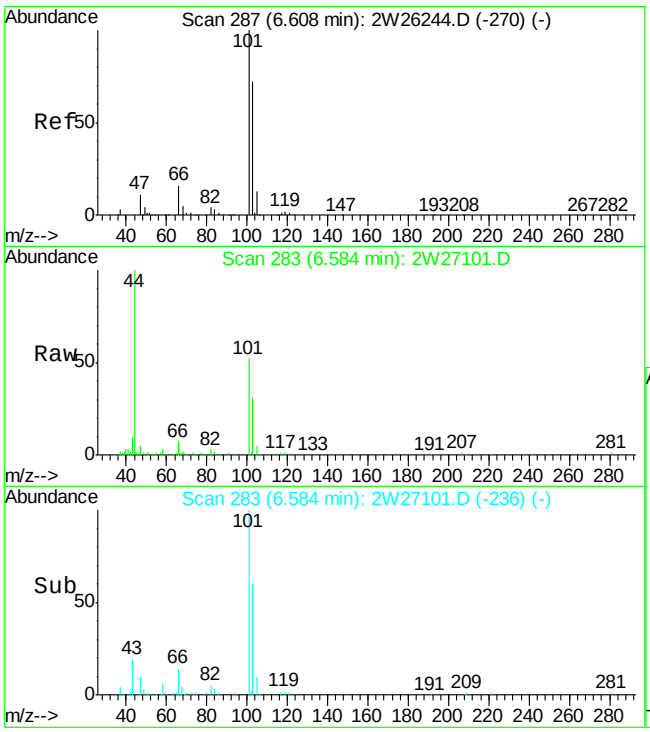


#12
n-BUTANE
Concen: 0.37 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 43 Resp: 41066

Ion	Ratio	Lower	Upper
43	100		
58	14.4	10.6	15.8
44	0.0	2.3	3.5#

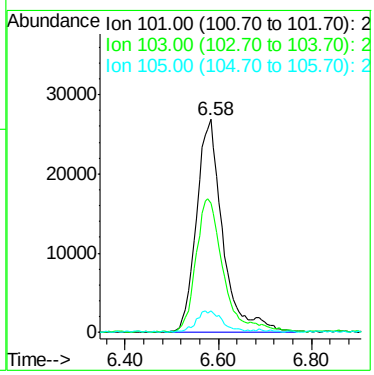


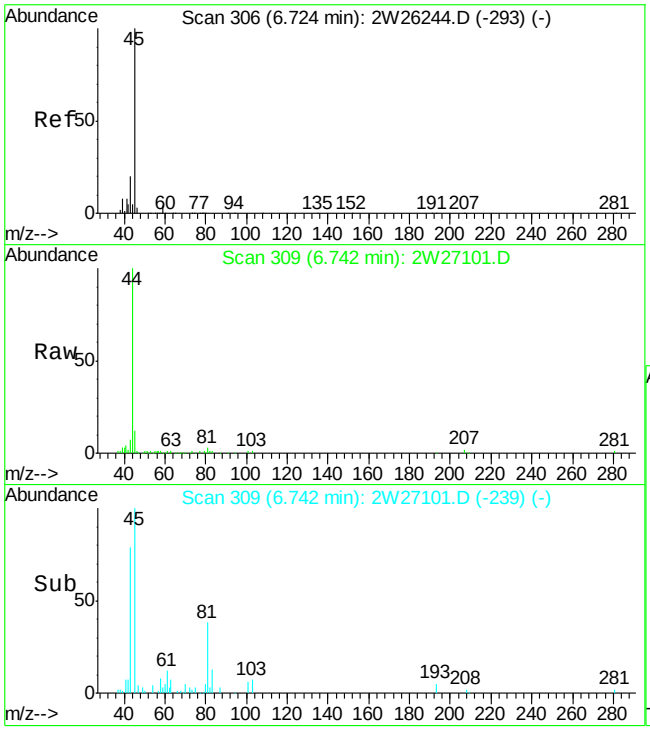


#17
TRICHLOROFLUOROMETHANE
Concen: 0.88 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion:101 Resp: 106090

Ion	Ratio	Lower	Upper
101	100		
103	65.8	46.7	86.7
105	10.7	0.0	31.2

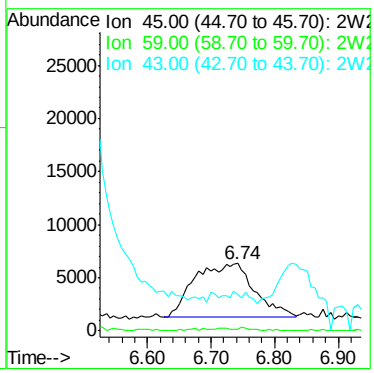


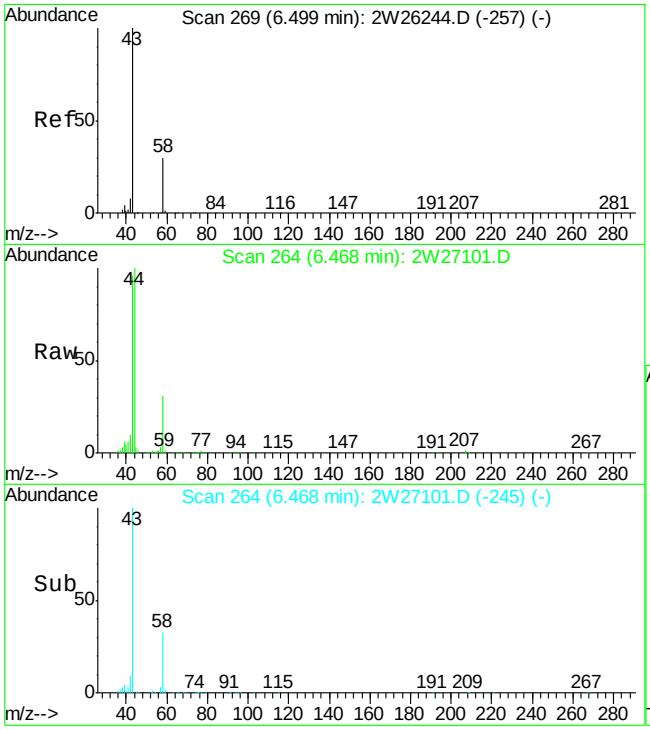


#18
ISOPROPYL ALCOHOL
Concen: 0.38 PPBV m
RT: 6.74 min Scan# 309
Delta R.T. 0.07 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 45 Resp: 33351

Ion	Ratio	Lower	Upper
45	100		
59	2.3	0.0	24.1
43	53.5	0.2	40.2#

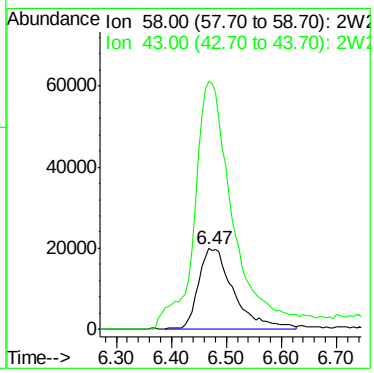


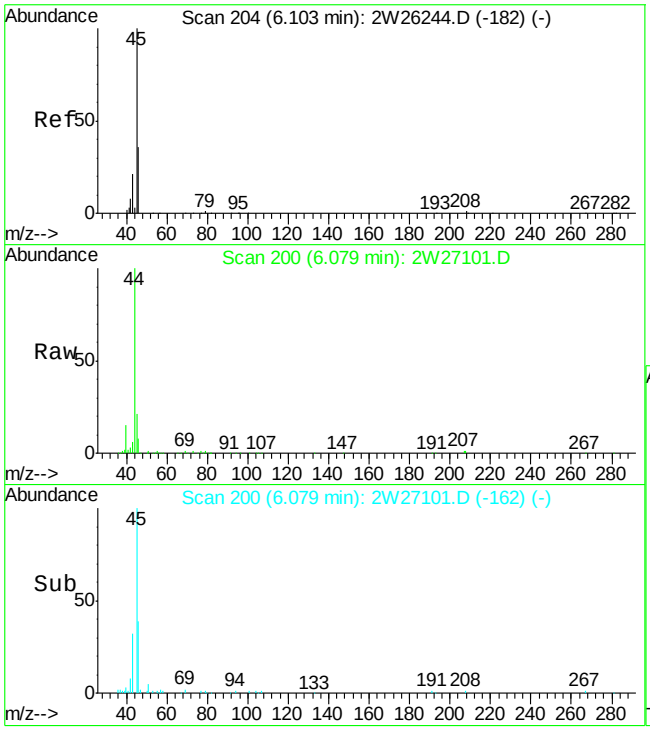


#19
ACETONE
Concen: 3.71 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 58 Resp: 89182

Ion	Ratio	Lower	Upper
58	100		
43	331.0	315.8	355.8

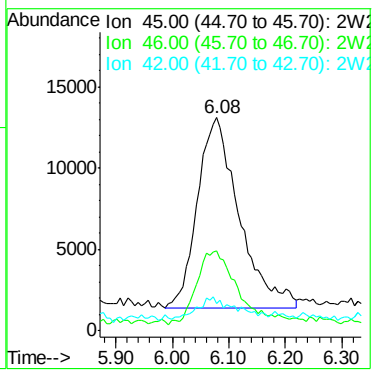


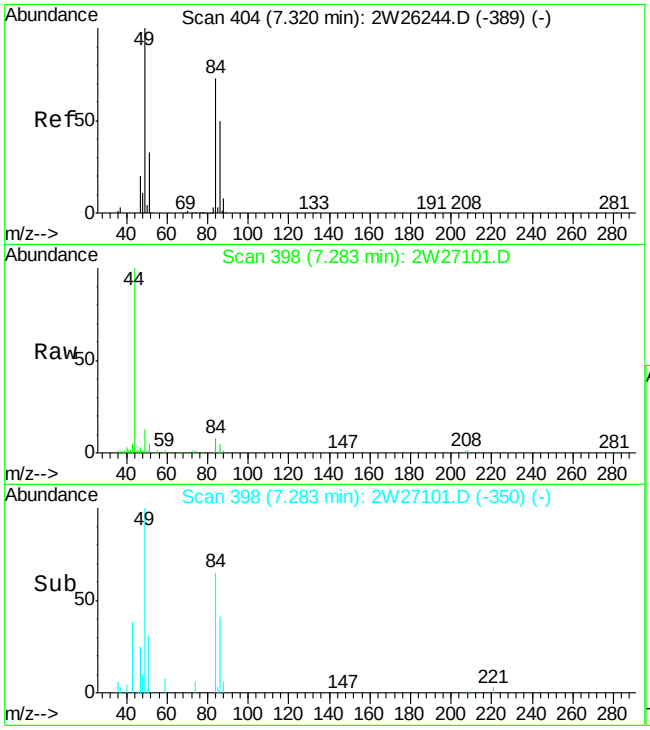


#25
ETHANOL
Concen: 2.48 PPBV
RT: 6.08 min Scan# 200
Delta R.T. 0.03 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 45 Resp: 60344

Ion	Ratio	Lower	Upper
45	100		
46	40.3	9.3	69.3
42	11.2	0.0	37.7

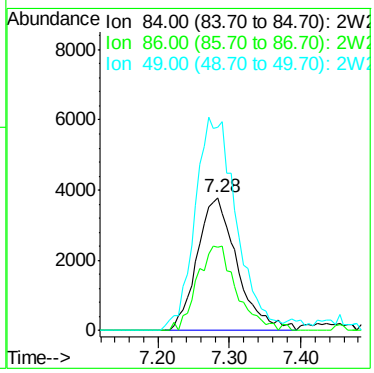


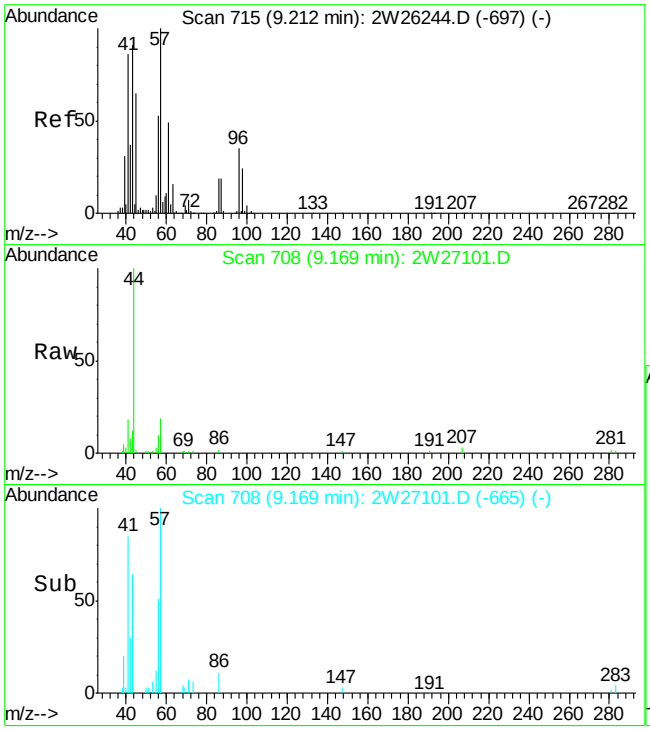


#27
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 84 Resp: 14621

Ion	Ratio	Lower	Upper
84	100		
86	62.1	44.9	84.9
49	166.5	0.0	360.7

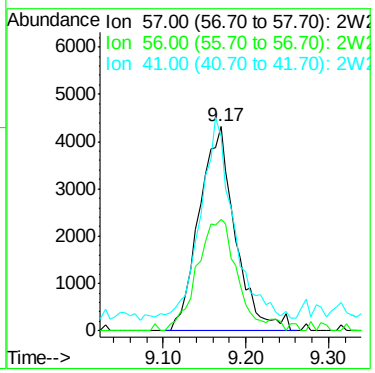


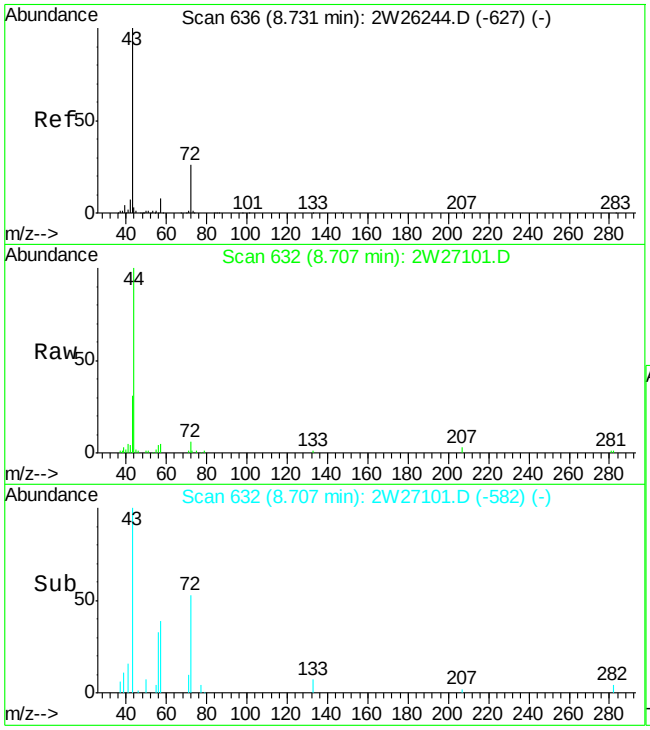


#34
HEXANE
Concen: 0.16 PPBV
RT: 9.17 min Scan# 708
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 57 Resp: 13122

Ion	Ratio	Lower	Upper
57	100		
56	59.1	32.4	72.4
41	89.3	77.6	117.6

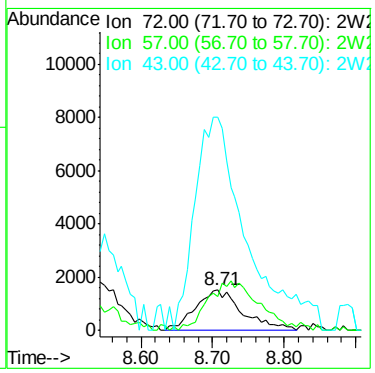


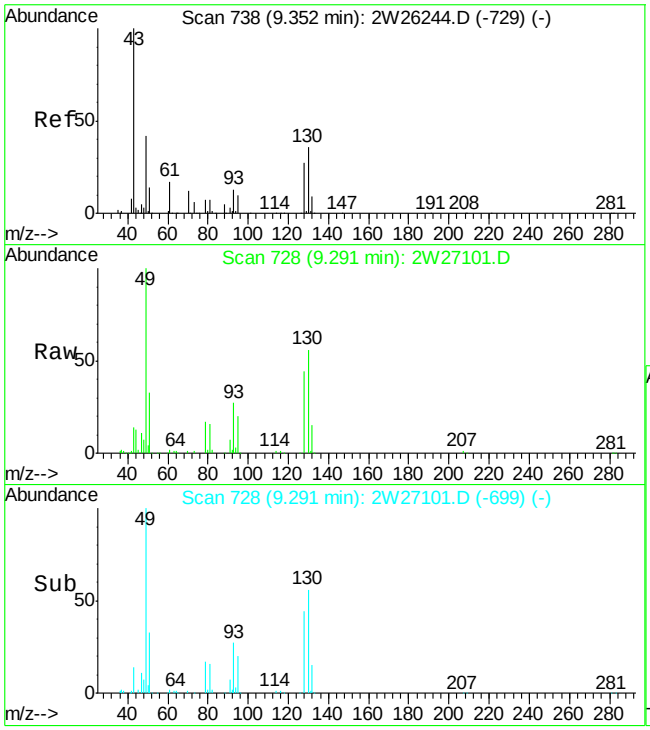


#37
METHYL ETHYL KETONE
Concen: 0.32 PPBV
RT: 8.71 min Scan# 632
Delta R.T. 0.05 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 72 Resp: 6986

Ion	Ratio	Lower	Upper
72	100		
57	82.5	13.8	53.8#
43	524.1	389.3	429.3#

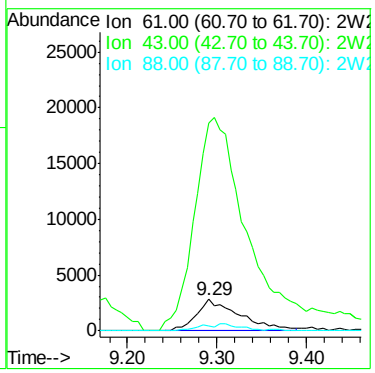


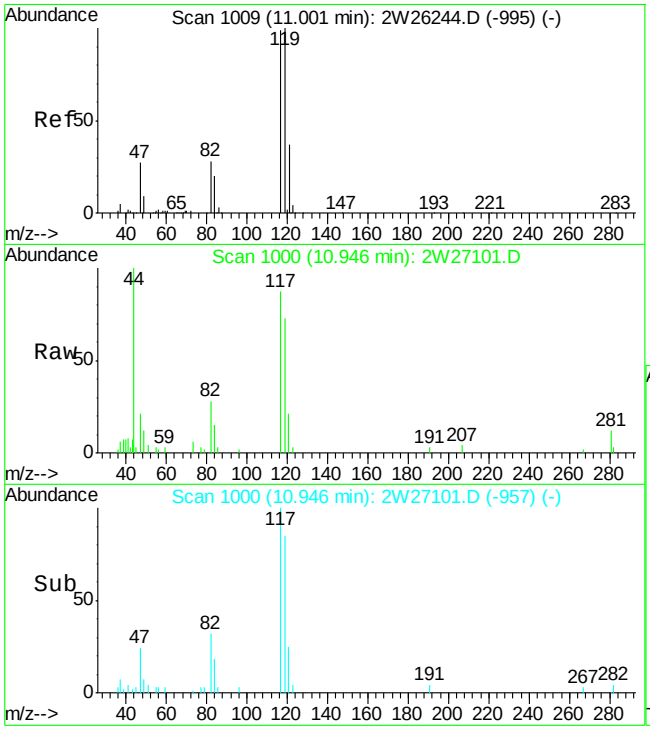


#39
ETHYL ACETATE
Concen: 0.68 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 61 Resp: 9478

Ion	Ratio	Lower	Upper
61	100		
43	807.7	606.5	646.5#
88	20.5	4.8	44.8

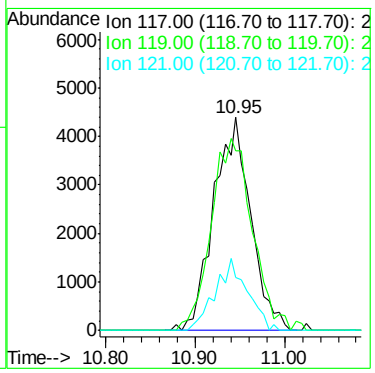


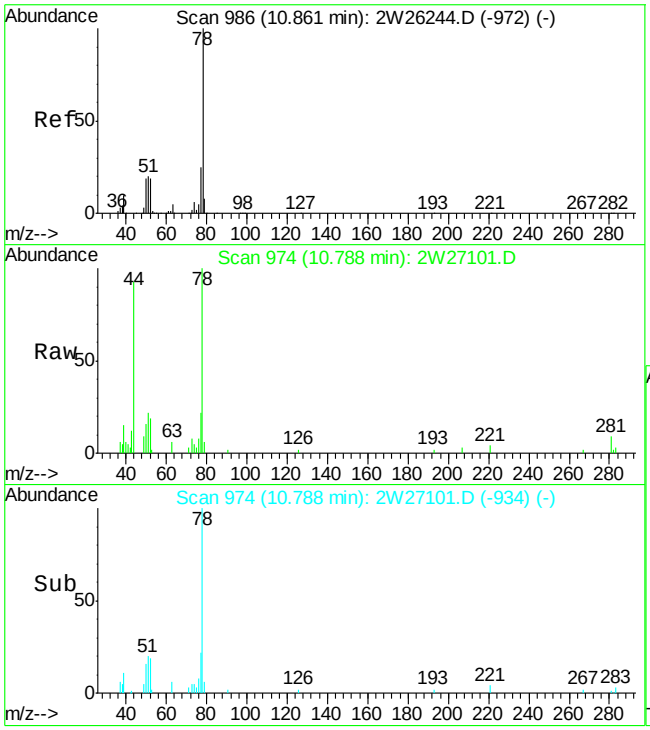


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion:117 Resp: 12605

Ion	Ratio	Lower	Upper
117	100		
119	100.8	78.0	118.0
121	29.4	12.8	52.8

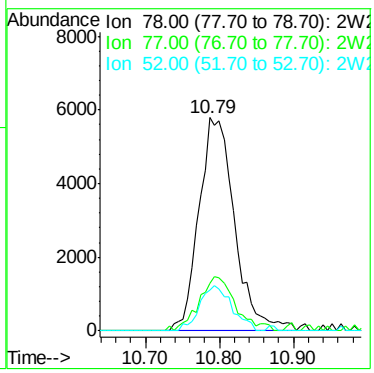


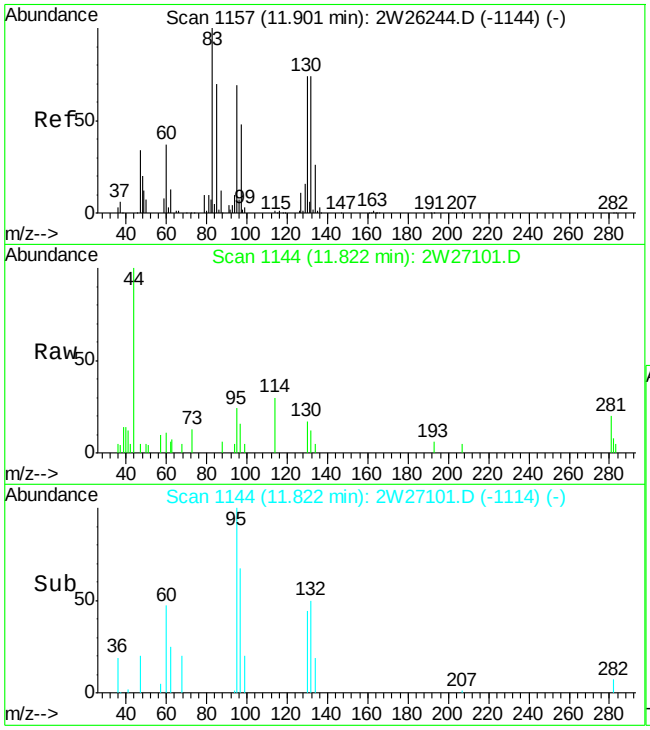


#46
BENZENE
Concen: 0.13 PPBV
RT: 10.79 min Scan# 974
Delta R.T. -0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 78 Resp: 18987

Ion	Ratio	Lower	Upper
78	100		
77	26.0	4.9	44.9
52	19.0	0.0	37.9

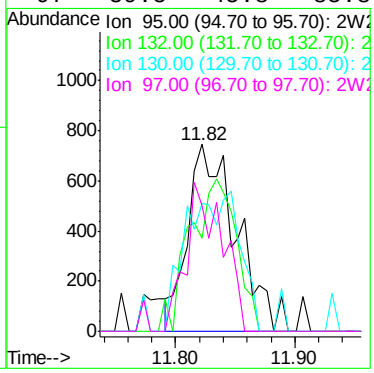


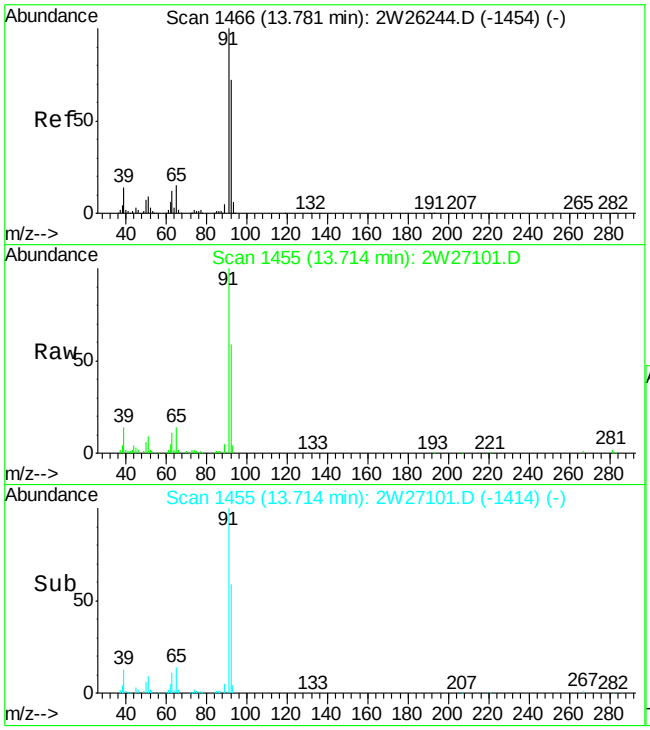


#49
TRICHLOROETHYLENE
Concen: 0.04 PPBV
RT: 11.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 95 Resp: 2123

Ion	Ratio	Lower	Upper
95	100		
132	0.0	72.7	112.7#
130	0.0	75.6	115.6#
97	59.5	45.8	85.8

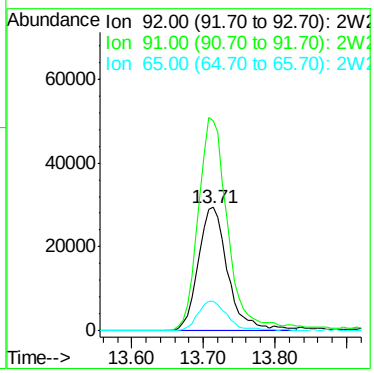


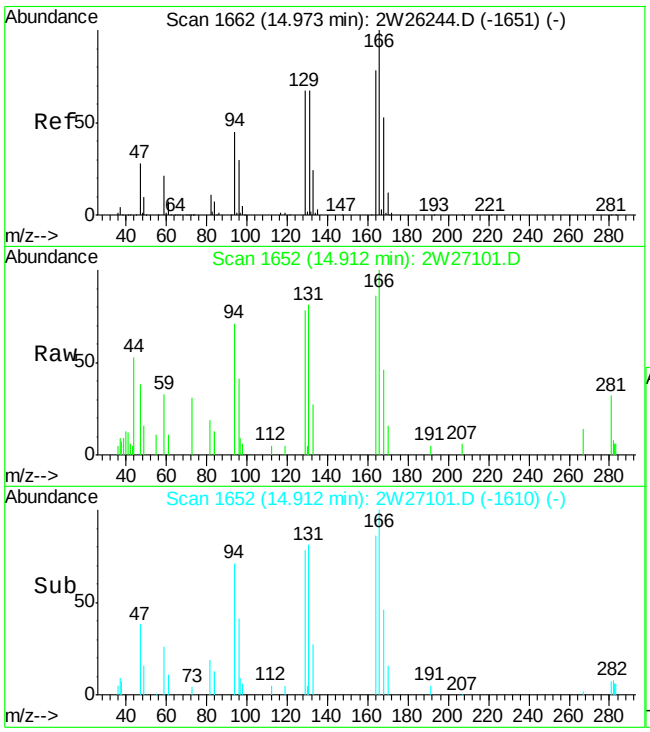


#59
TOLUENE
Concen: 0.97 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion: 92 Resp: 84305

Ion	Ratio	Lower	Upper
92	100		
91	175.0	136.6	176.6
65	24.5	0.9	40.9

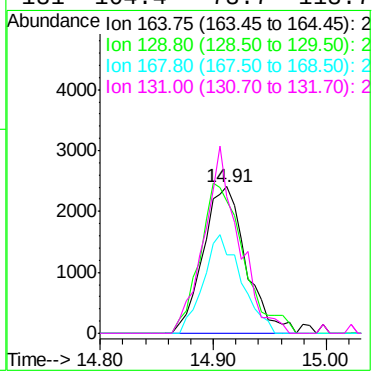


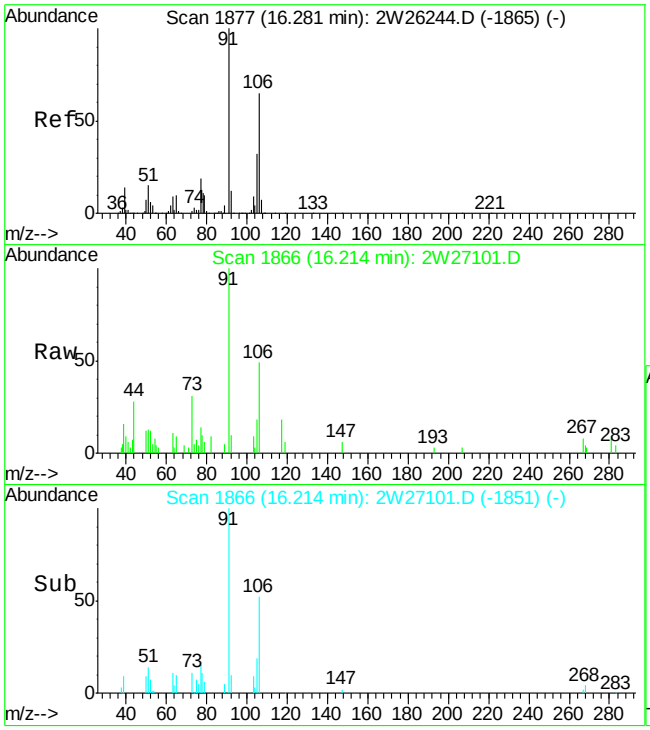


#64
TETRACHLOROETHYLENE
Concen: 0.13 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion:164 Resp: 6306

Ion	Ratio	Lower	Upper
164	100		
129	104.2	76.6	116.6
168	59.8	44.5	84.5
131	104.4	73.7	113.7

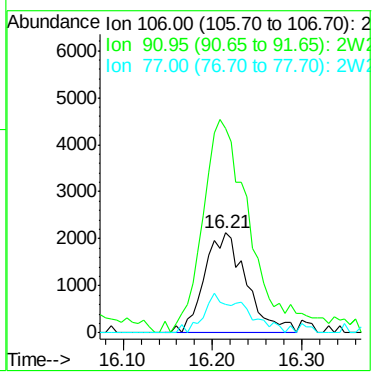




#71
m,p-XYLENE
Concen: 0.11 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27101.D
Acq: 5 May 2010 2:40 am

Tgt Ion:106 Resp: 6890

Ion	Ratio	Lower	Upper
106	100		
91	204.5	138.6	207.8
77	28.5	23.5	35.3



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/05/10 05:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27075.D Vial: 15
Acq On : 3 May 2010 11:48 pm Operator: yunxiac
Sample : ja45062-11 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:11:37 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

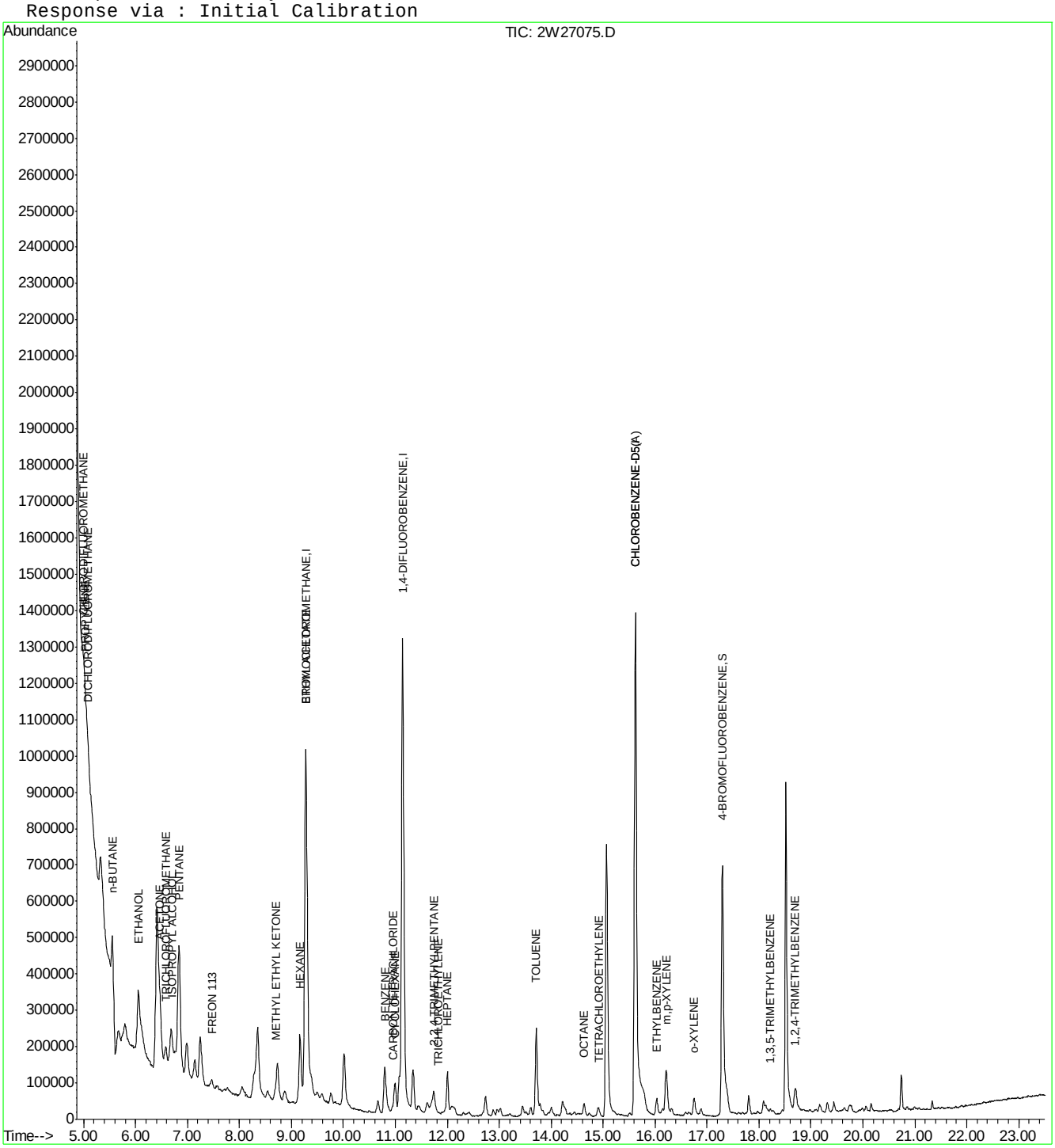
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	389179	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1641318	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	920923	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	920923	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	457908	4.79	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	117949	0.66	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	38896	1.90	PPBV		90
6) PROPYLENE	5.04	41	41384m	0.53	PPBV		
12) n-BUTANE	5.56	43	329457	2.34	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	115338	0.76	PPBV		97
18) ISOPROPYL ALCOHOL	6.72	45	169179	1.53	PPBV		91
19) ACETONE	6.47	58	153777	5.06	PPBV	#	31
20) PENTANE	6.83	42	299204	3.76	PPBV		96
25) ETHANOL	6.06	45	514664	16.76	PPBV		99
29) FREON 113	7.47	151	8843	0.12	PPBV	#	82
34) HEXANE	9.17	57	142946	1.37	PPBV		89
37) METHYL ETHYL KETONE	8.69	72	12163	0.44	PPBV	#	67
39) ETHYL ACETATE	9.28	61	53424	3.02	PPBV		97
43) CARBON TETRACHLORIDE	10.95	117	15060	0.12	PPBV		94
46) BENZENE	10.79	78	182490	1.07	PPBV		98
47) CYCLOHEXANE	10.99	84	46144	0.49	PPBV		83
49) TRICHLOROETHYLENE	11.83	95	3343	0.05	PPBV		90
52) 2,2,4-TRIMETHYLPENTANE	11.74	57	73948	0.27	PPBV	#	66
55) HEPTANE	12.00	43	72620	0.69	PPBV		92
59) TOLUENE	13.71	92	168328	1.63	PPBV		92
64) TETRACHLOROETHYLENE	14.91	164	5534	0.09	PPBV		94
67) OCTANE	14.64	43	22294	0.16	PPBV	#	81
70) ETHYLBENZENE	16.03	91	49346	0.24	PPBV		90
71) m,p-XYLENE	16.21	106	70715	0.90	PPBV	#	77
72) o-XYLENE	16.75	106	20586	0.25	PPBV	#	82
82) 1,3,5-TRIMETHYLBENZENE	18.22	105	14757	0.10	PPBV		83
84) 1,2,4-TRIMETHYLBENZENE	18.68	105	36281	0.30	PPBV	#	31

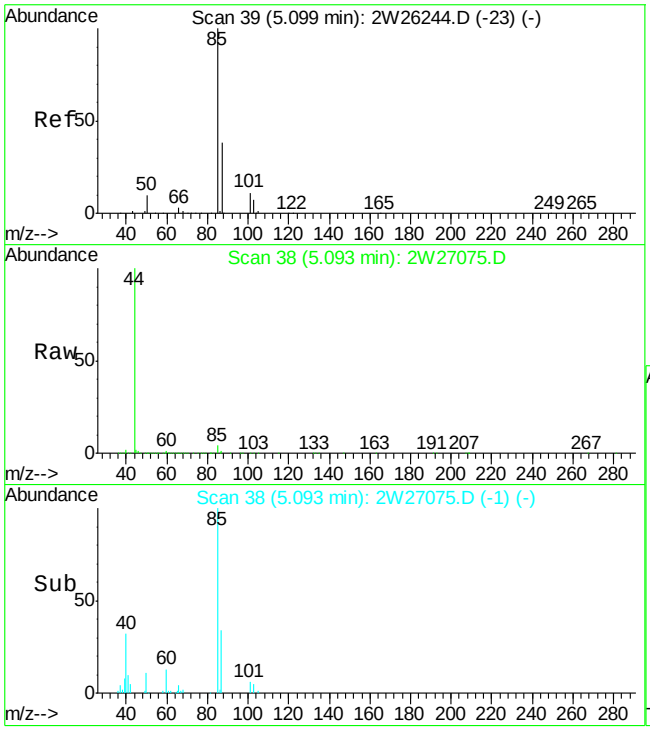
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27075.D Vial: 15
Acq On : 3 May 2010 11:48 pm Operator: yunxiac
Sample : ja45062-11 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:50 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

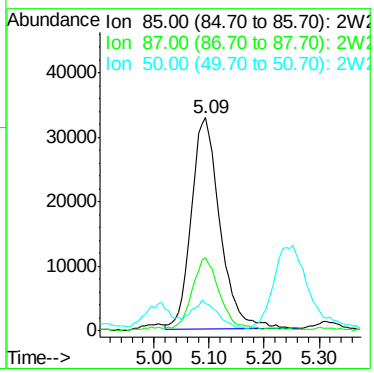


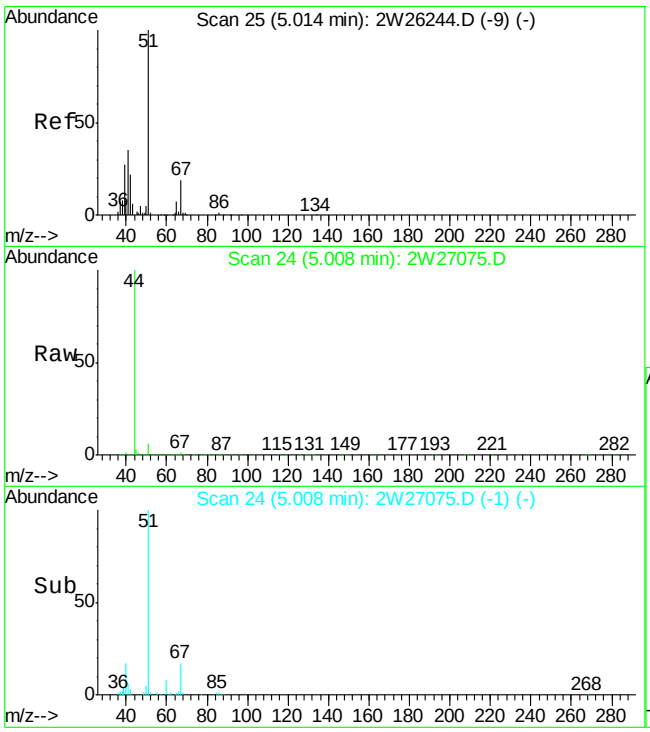


#3
DICHLORODIFLUOROMETHANE
Concen: 0.66 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 85 Resp: 117949

Ion	Ratio	Lower	Upper
85	100		
87	33.5	14.2	54.2
50	12.1	0.0	31.0

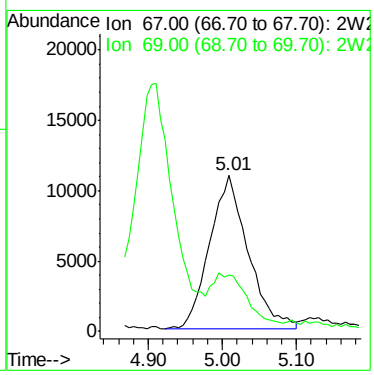


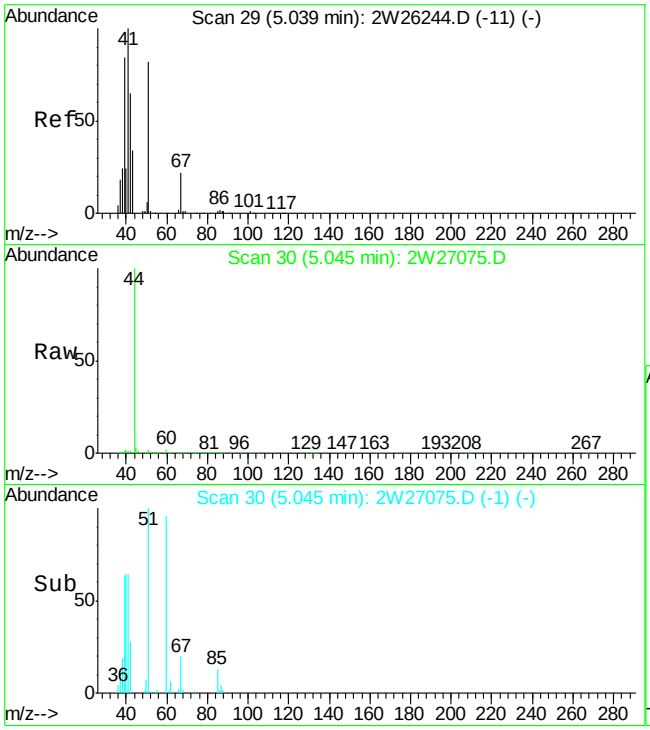


#5
CHLORODIFLUOROMETHANE
Concen: 1.90 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 67 Resp: 38896

Ion	Ratio	Lower	Upper
67	100		
69	27.8	13.6	53.6

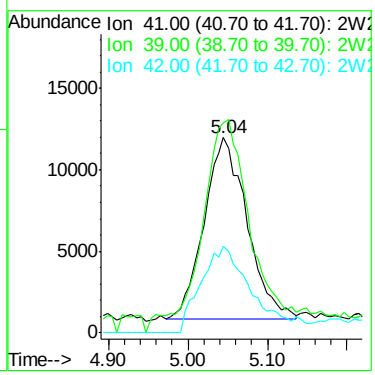


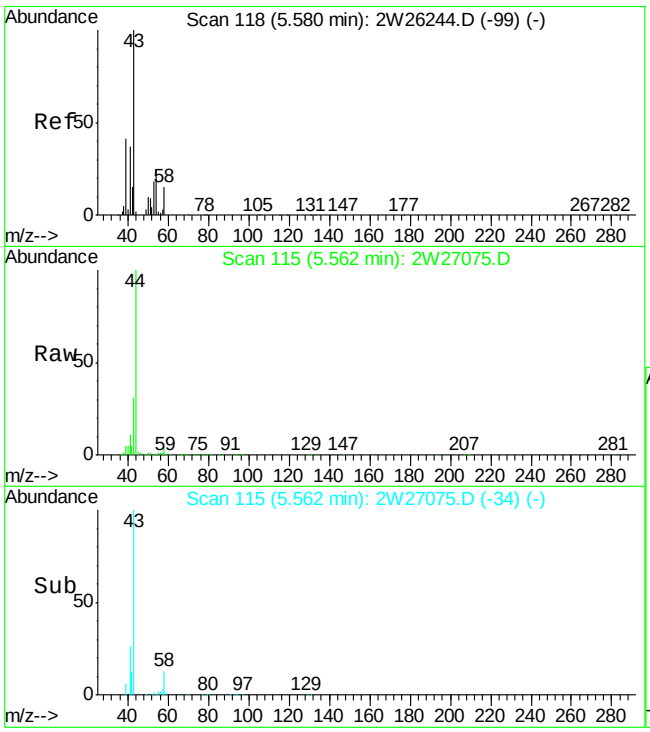


#6
PROPYLENE
Concen: 0.53 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 41 Resp: 41384

Ion	Ratio	Lower	Upper
41	100		
39	107.6	47.9	87.9#
42	44.2	47.3	87.3#

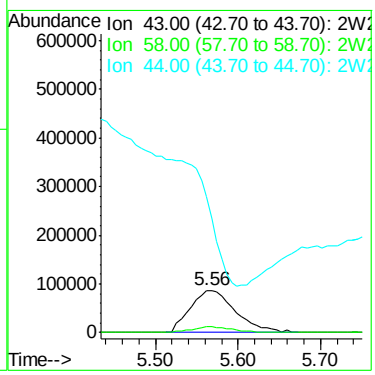


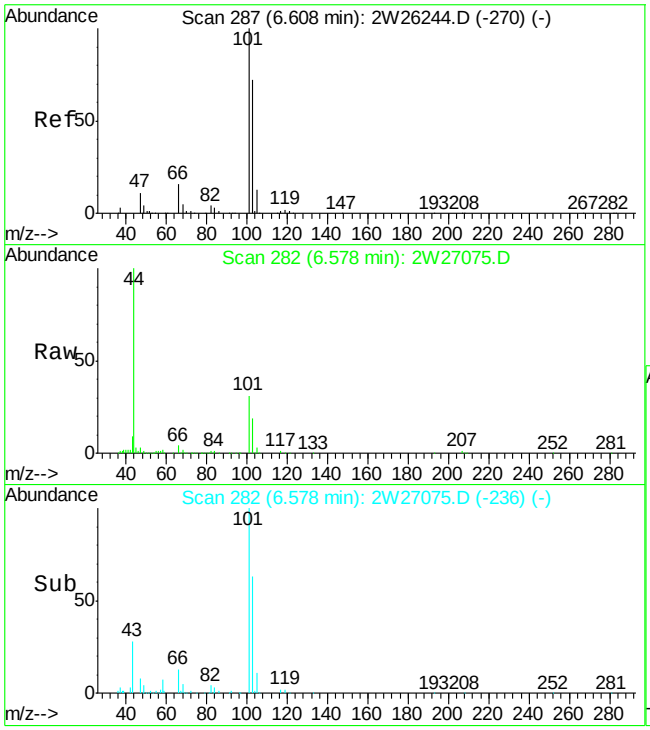


#12
n-BUTANE
Concen: 2.34 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 43 Resp: 329457

Ion	Ratio	Lower	Upper
43	100		
58	13.1	10.6	15.8
44	0.0	2.3	3.5#

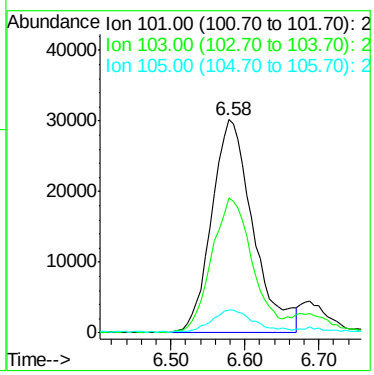


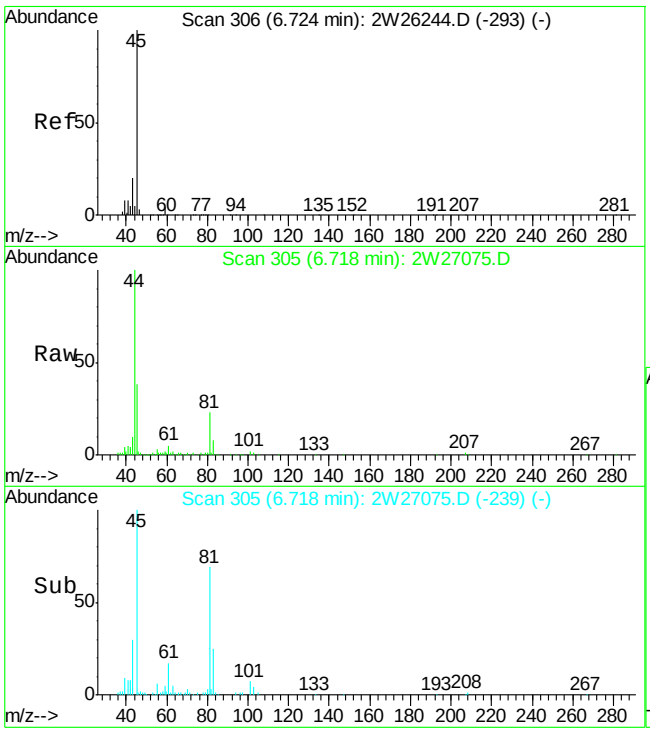


#17
TRICHLOROFLUOROMETHANE
Concen: 0.76 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:101 Resp: 115338

Ion	Ratio	Lower	Upper
101	100		
103	63.7	46.7	86.7
105	11.5	0.0	31.2

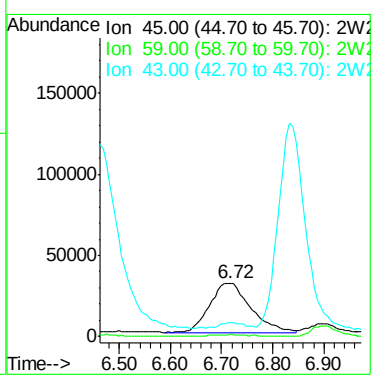


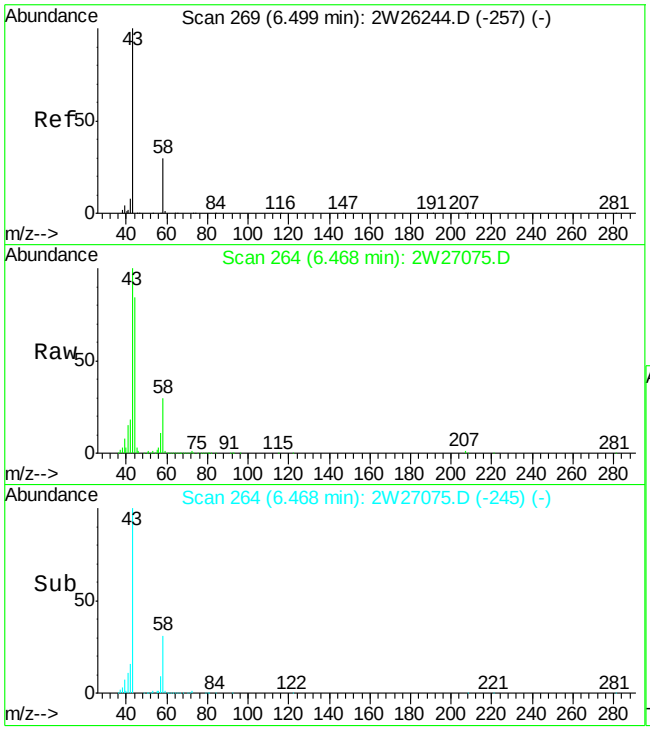


#18
ISOPROPYL ALCOHOL
Concen: 1.53 PPBV
RT: 6.72 min Scan# 305
Delta R.T. 0.05 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 45 Resp: 169179

Ion	Ratio	Lower	Upper
45	100		
59	4.2	0.0	24.1
43	25.3	0.2	40.2

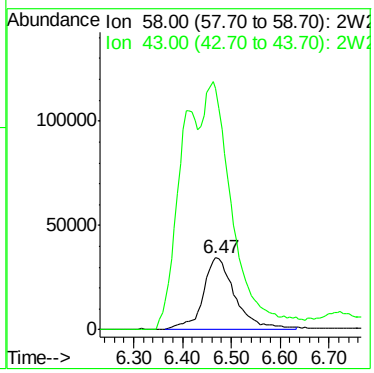


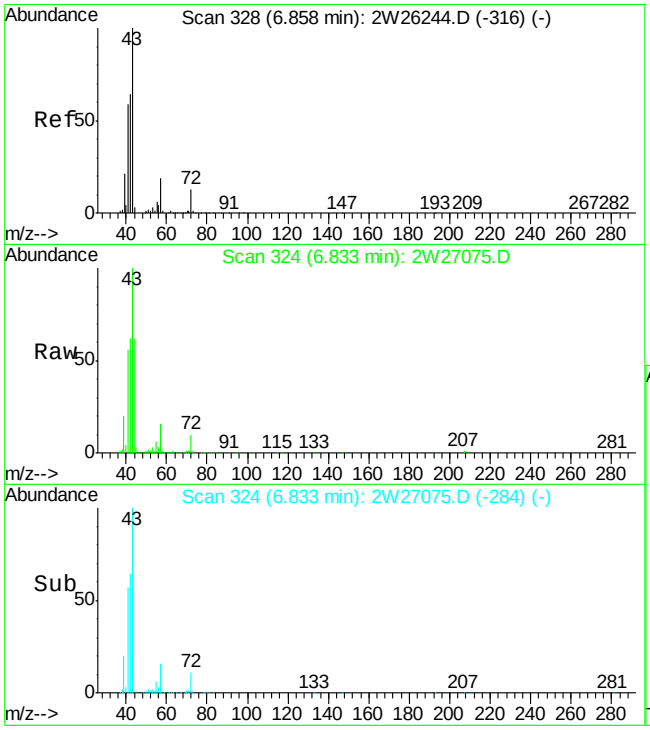


#19
ACETONE
Concen: 5.06 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 58 Resp: 153777

Ion	Ratio	Lower	Upper
58	100		
43	481.4	315.8	355.8#

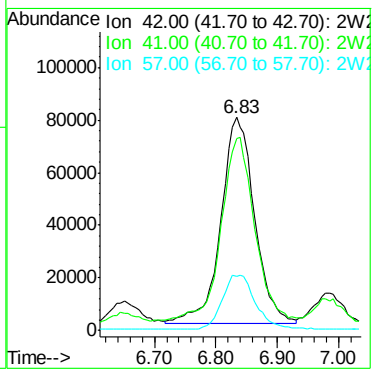


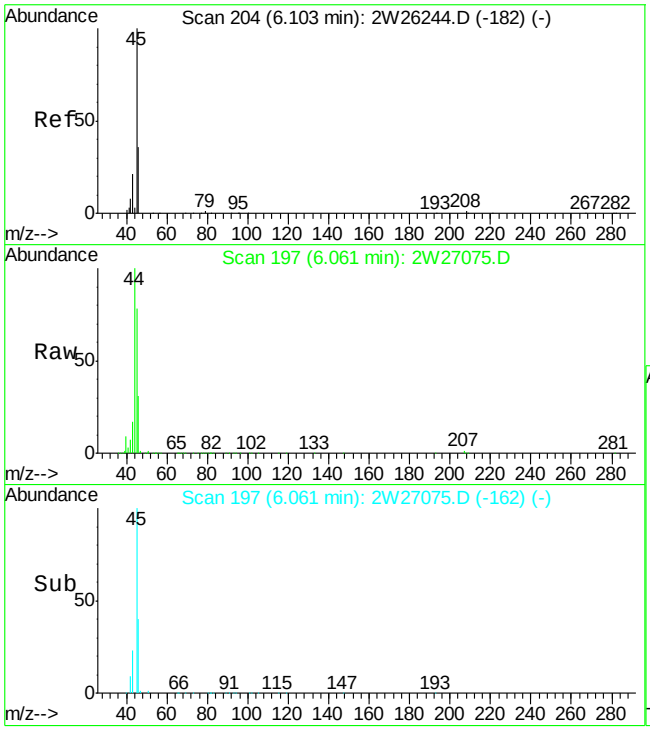


#20
PENTANE
Concen: 3.76 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 42 Resp: 299204

Ion	Ratio	Lower	Upper
42	100		
41	92.5	67.5	107.5
57	26.4	6.1	46.1

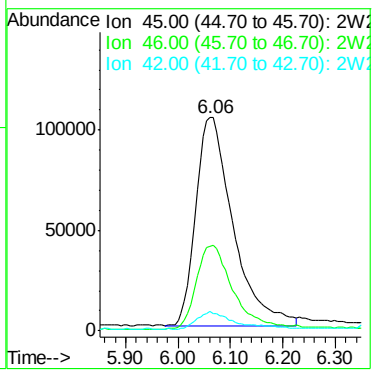


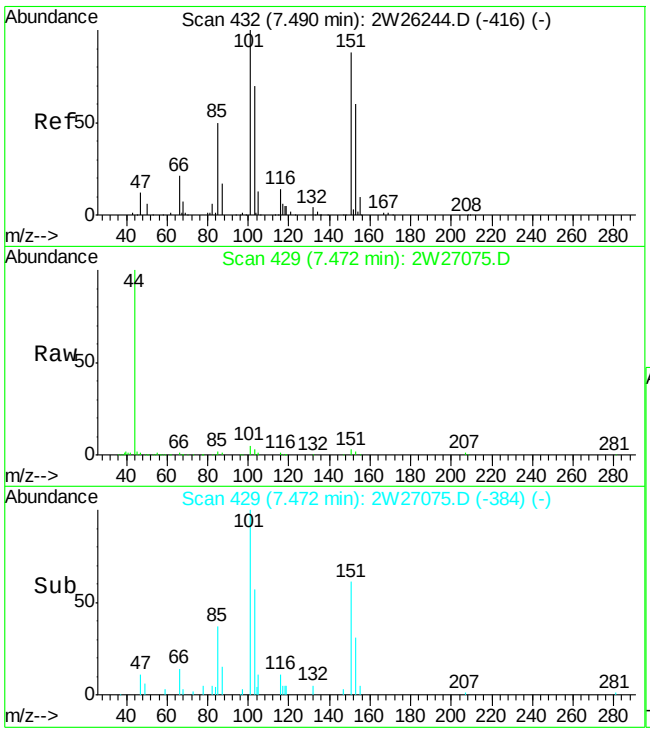


#25
ETHANOL
Concen: 16.76 PPBV
RT: 6.06 min Scan# 197
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 45 Resp: 514664

Ion	Ratio	Lower	Upper
45	100		
46	40.0	9.3	69.3
42	8.6	0.0	37.7

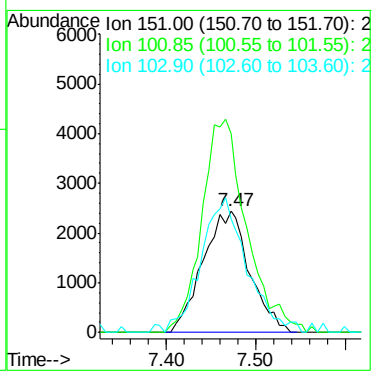


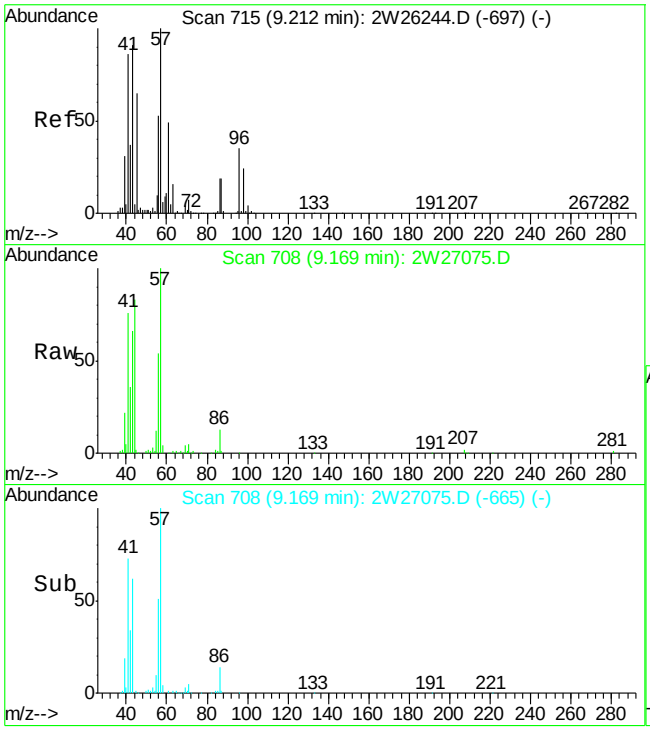


#29
FREON 113
Concen: 0.12 PPBV
RT: 7.47 min Scan# 429
Delta R.T. 0.02 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:151 Resp: 8843

Ion	Ratio	Lower	Upper
151	100		
101	168.5	124.8	164.8#
103	110.4	75.2	115.2

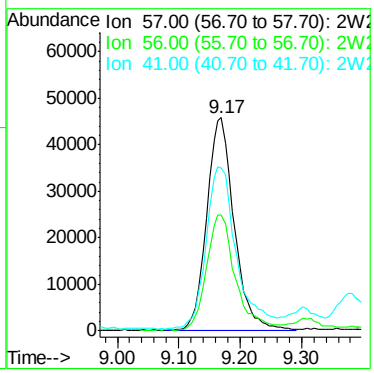


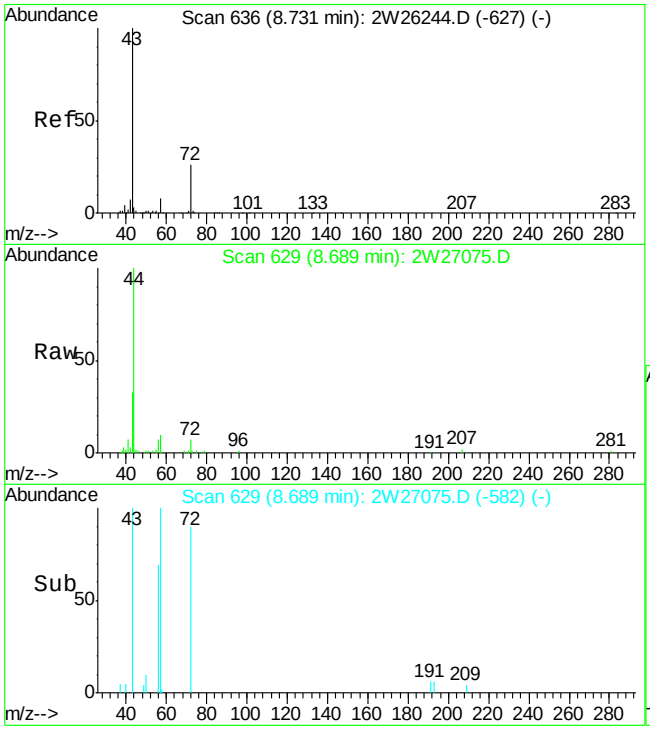


#34
HEXANE
Concen: 1.37 PPBV
RT: 9.17 min Scan# 708
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 57 Resp: 142946

Ion	Ratio	Lower	Upper
57	100		
56	58.3	32.4	72.4
41	85.2	77.6	117.6

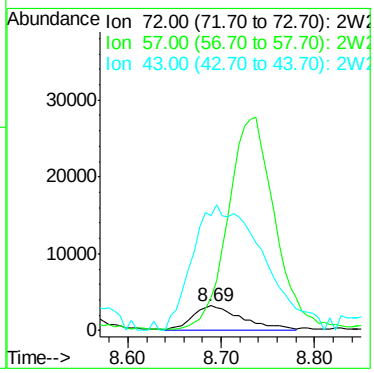


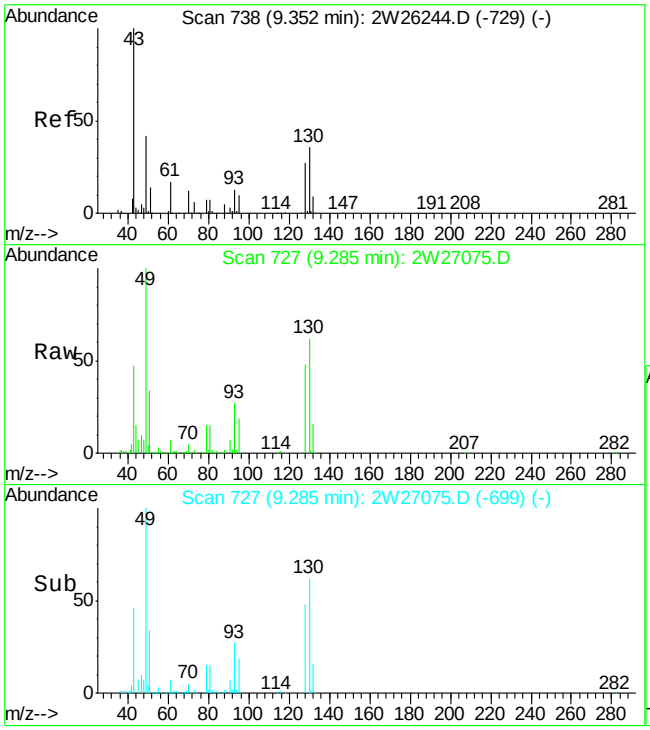


#37
METHYL ETHYL KETONE
Concen: 0.44 PPBV
RT: 8.69 min Scan# 629
Delta R.T. 0.04 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 72 Resp: 12163

Ion	Ratio	Lower	Upper
72	100		
57	134.5	13.8	53.8#
43	461.6	389.3	429.3#

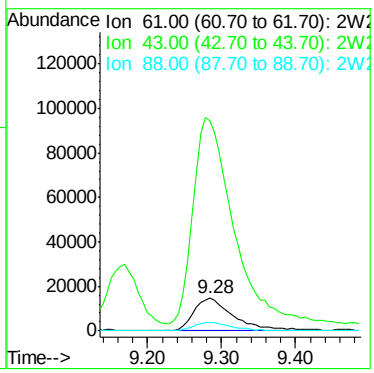


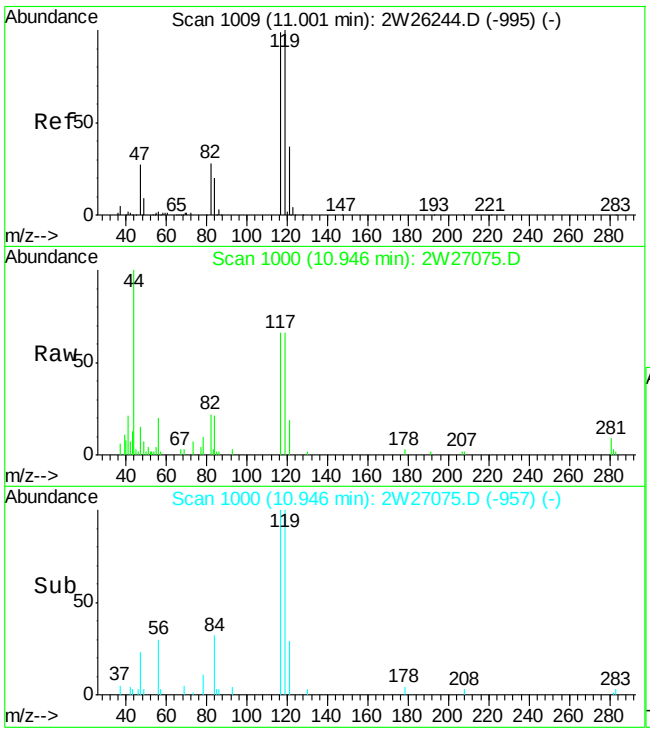


#39
ETHYL ACETATE
Concen: 3.02 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 61 Resp: 53424

Ion	Ratio	Lower	Upper
61	100		
43	637.5	606.5	646.5
88	25.1	4.8	44.8

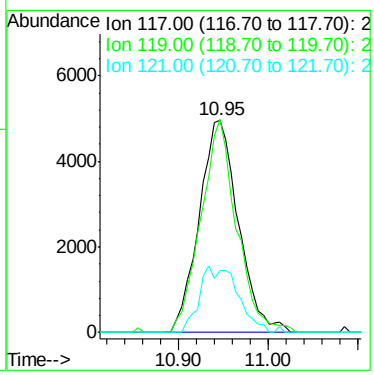


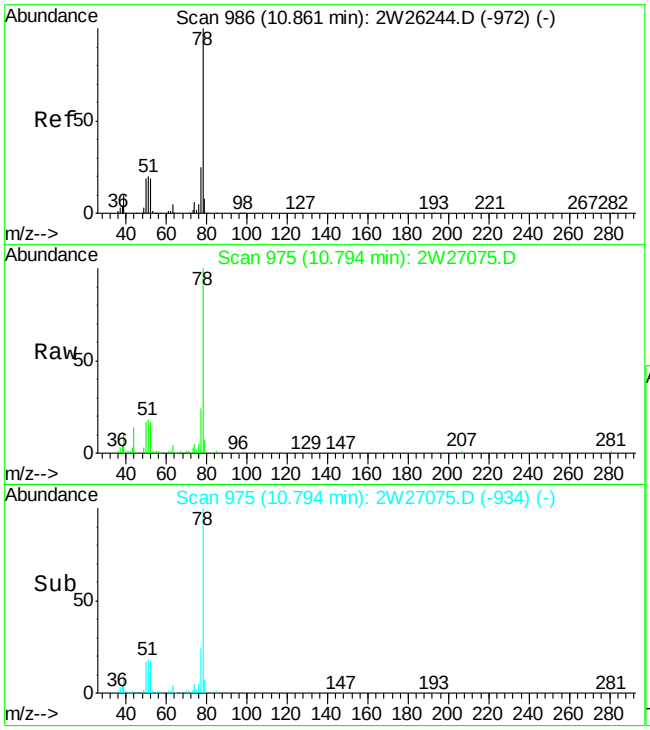


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:117 Resp: 15060

Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.0	118.0
121	30.5	12.8	52.8

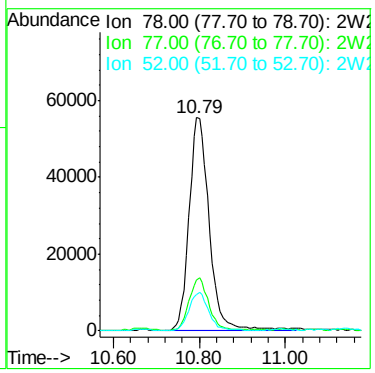


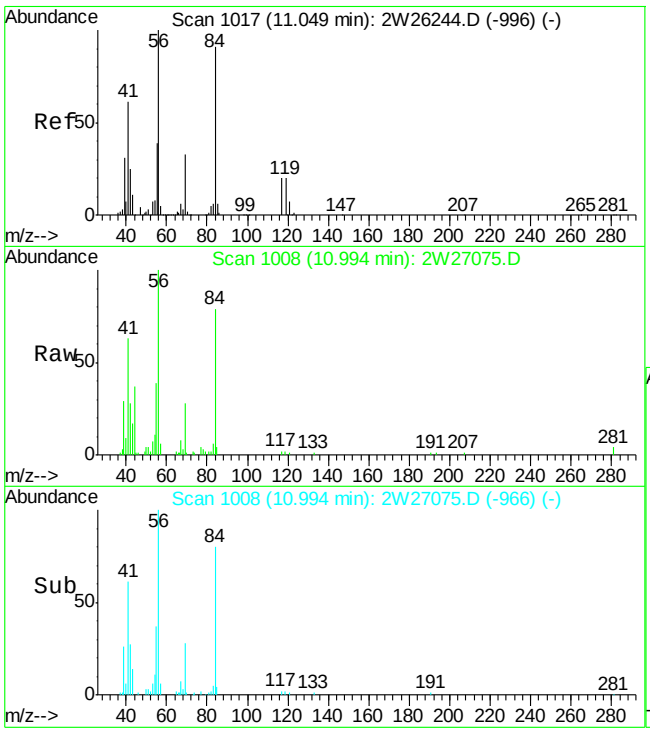


#46
BENZENE
Concen: 1.07 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 78 Resp: 182490

Ion	Ratio	Lower	Upper
78	100		
77	23.6	4.9	44.9
52	18.0	0.0	37.9

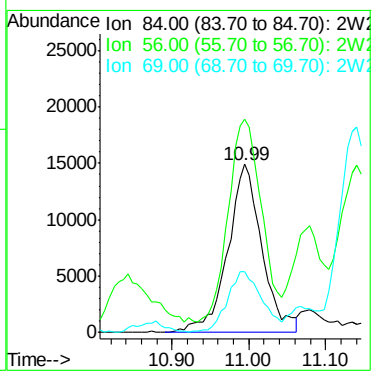


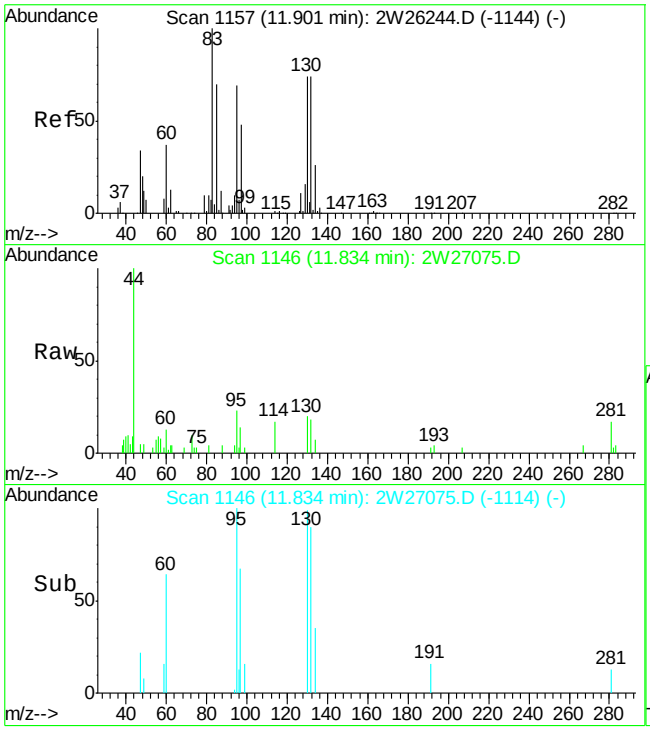


#47
CYCLOHEXANE
Concen: 0.49 PPBV
RT: 10.99 min Scan# 1008
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 84 Resp: 46144

Ion	Ratio	Lower	Upper
84	100		
56	117.7	79.5	119.5
69	36.8	10.7	50.7

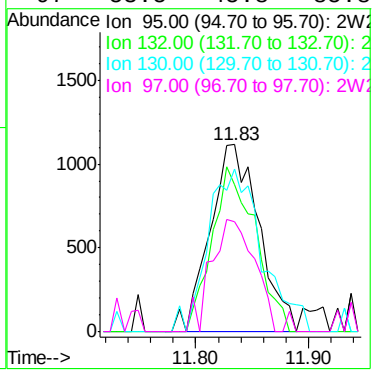


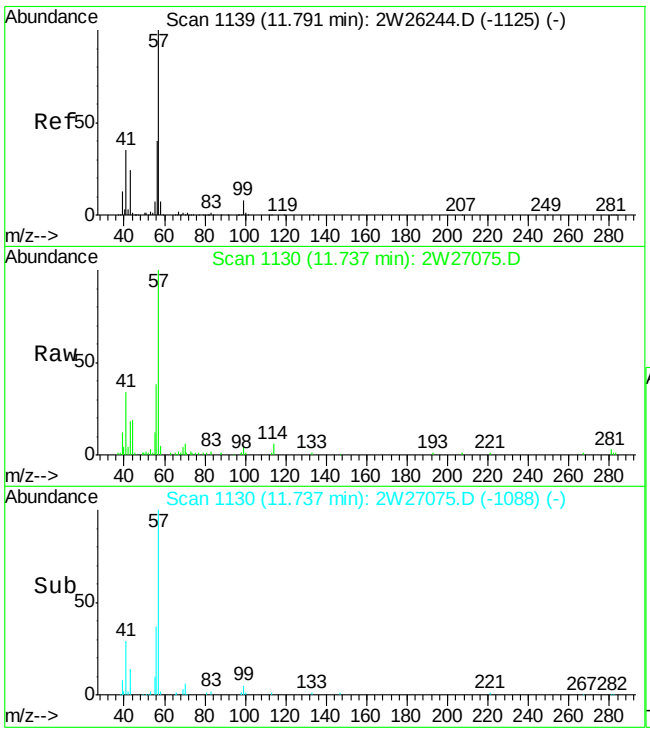


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 95 Resp: 3343

Ion	Ratio	Lower	Upper
95	100		
132	77.8	72.7	112.7
130	95.8	75.6	115.6
97	53.5	45.8	85.8

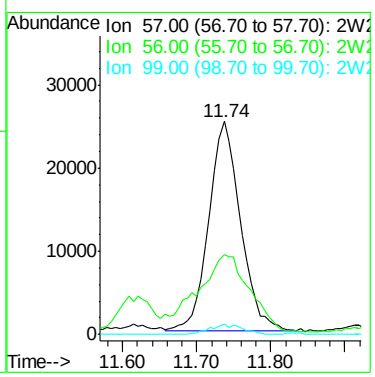


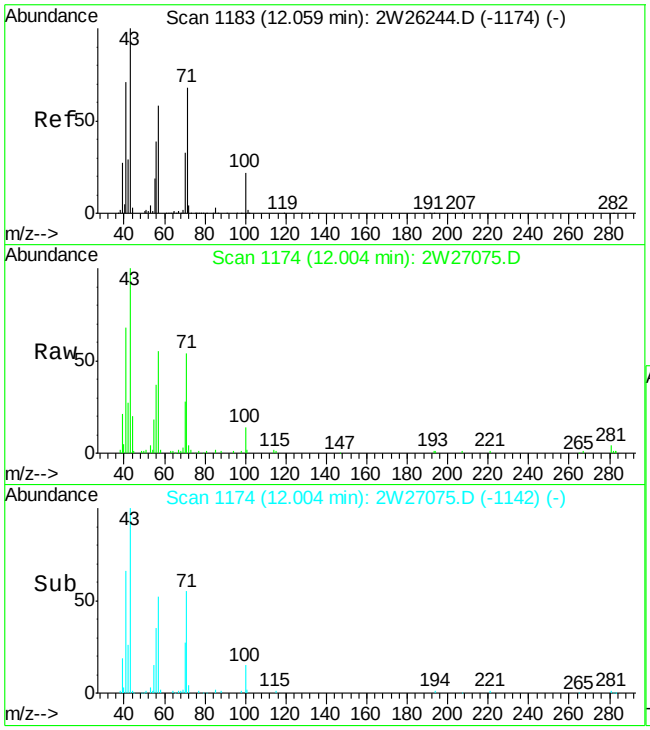


#52
2,2,4-TRIMETHYLPENTANE
Concen: 0.27 PPBV
RT: 11.74 min Scan# 1130
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 57 Resp: 73948

Ion	Ratio	Lower	Upper
57	100		
56	60.5	17.1	57.1#
99	5.1	0.0	26.0

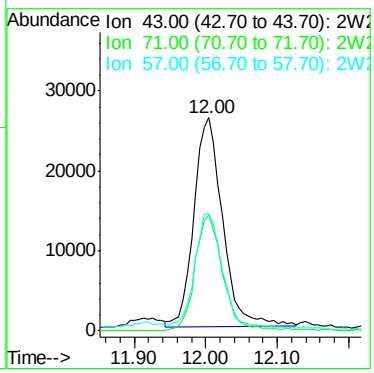


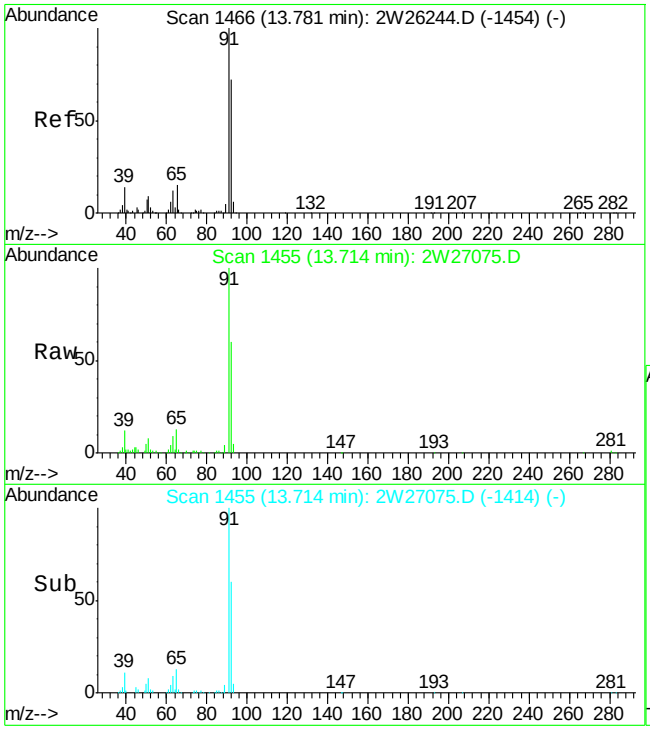


#55
HEPTANE
Concen: 0.69 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 43 Resp: 72620

Ion	Ratio	Lower	Upper
43	100		
71	53.0	41.4	81.4
57	53.4	36.9	76.9

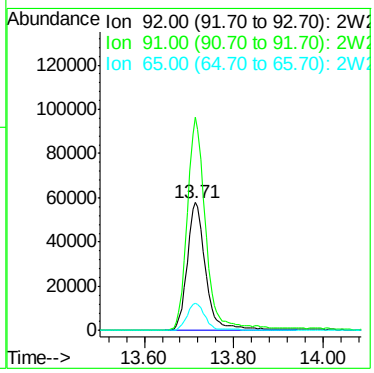


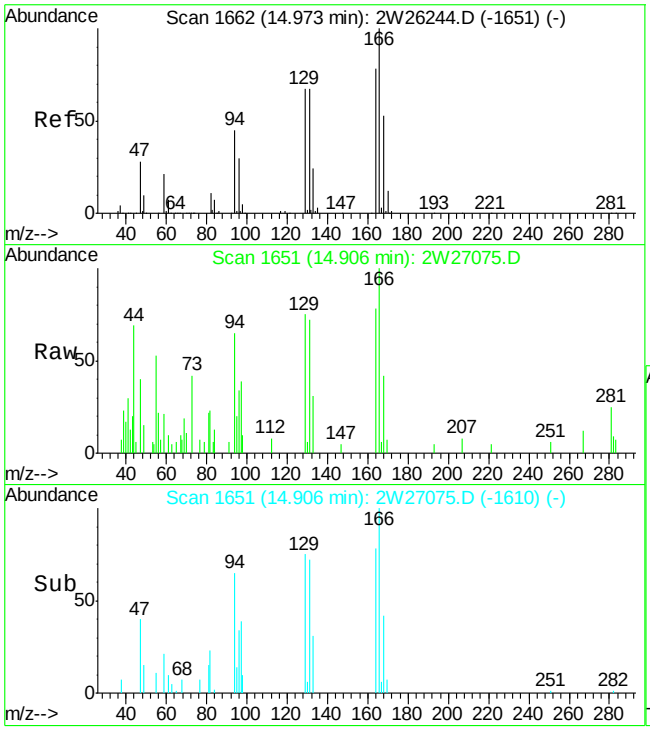


#59
TOLUENE
Concen: 1.63 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 92 Resp: 168328

Ion	Ratio	Lower	Upper
92	100		
91	167.6	136.6	176.6
65	21.2	0.9	40.9

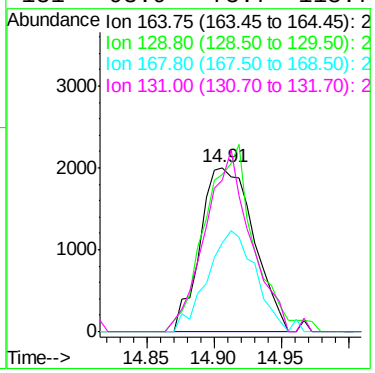


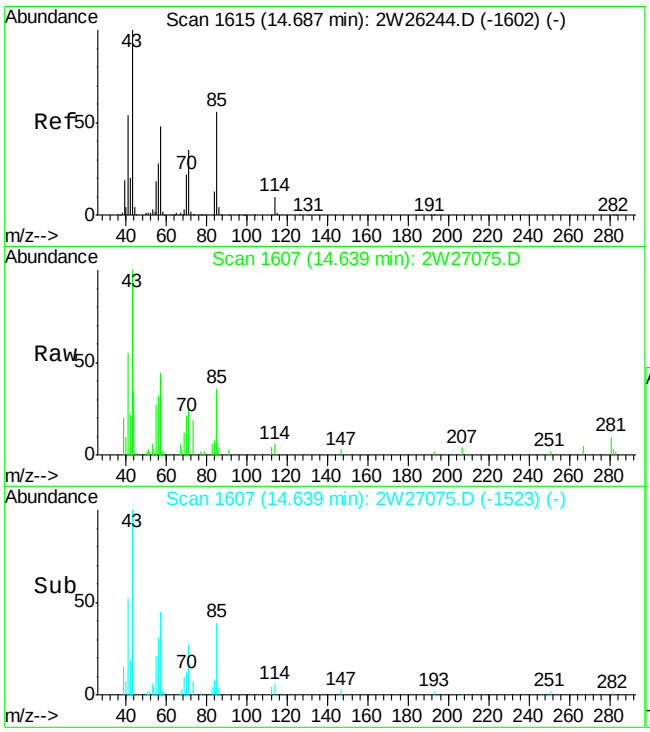


#64
TETRACHLOROETHYLENE
Concen: 0.09 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:164 Resp: 5534

Ion	Ratio	Lower	Upper
164	100		
129	103.8	76.6	116.6
168	55.9	44.5	84.5
131	93.9	73.7	113.7

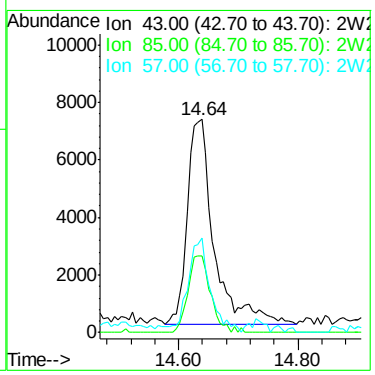


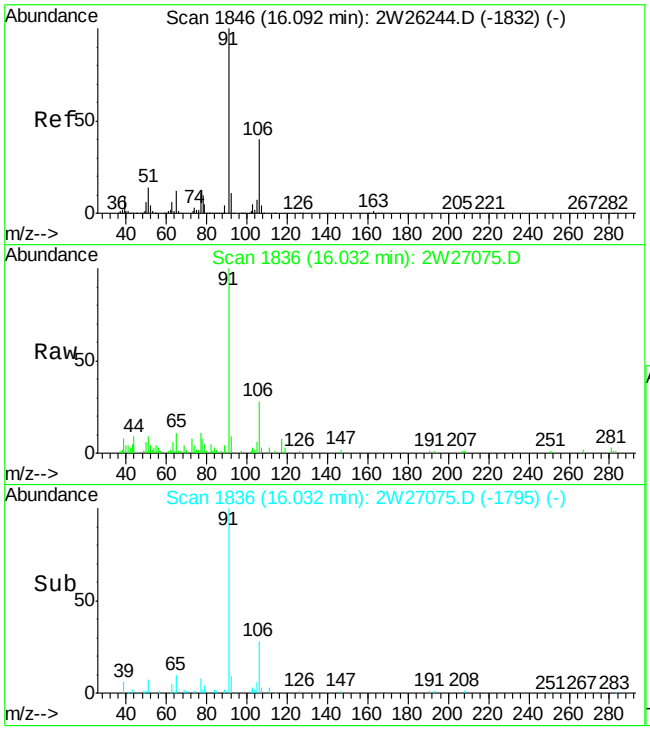


#67
OCTANE
Concen: 0.16 PPBV
RT: 14.64 min Scan# 1607
Delta R.T. 0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 43 Resp: 22294

Ion	Ratio	Lower	Upper
43	100		
85	31.5	39.5	59.3#
57	37.8	35.6	53.4

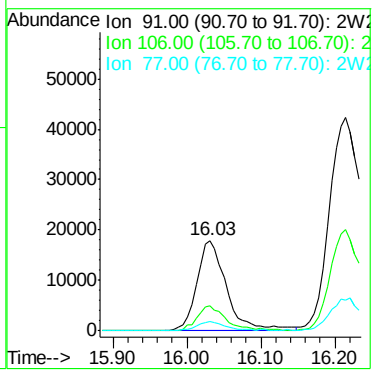


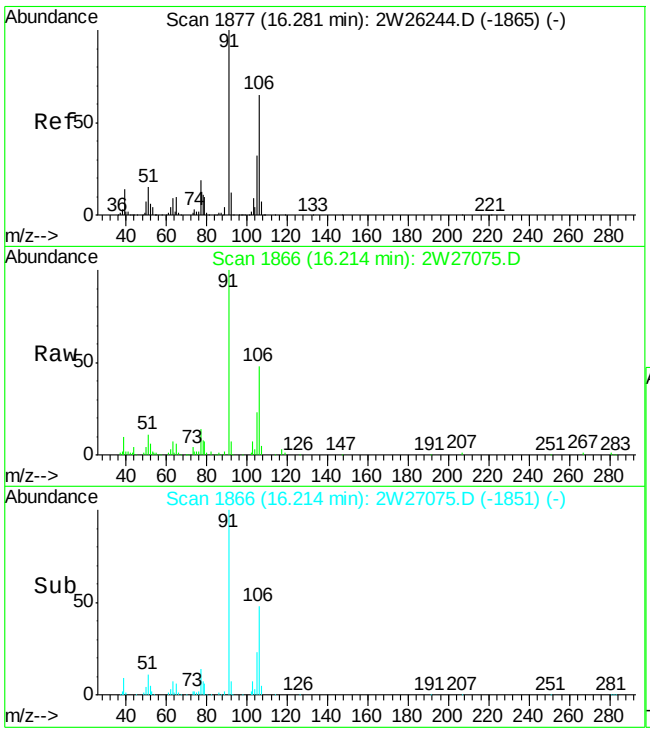


#70
ETHYLBENZENE
Concen: 0.24 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion: 91 Resp: 49346

Ion	Ratio	Lower	Upper
91	100		
106	26.6	13.5	53.5
77	10.4	0.0	29.7

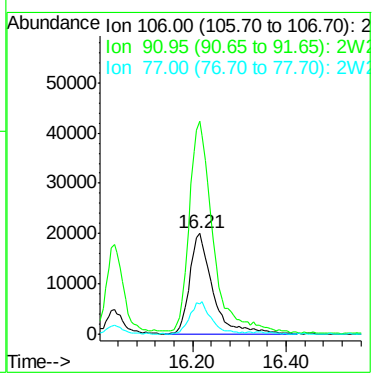


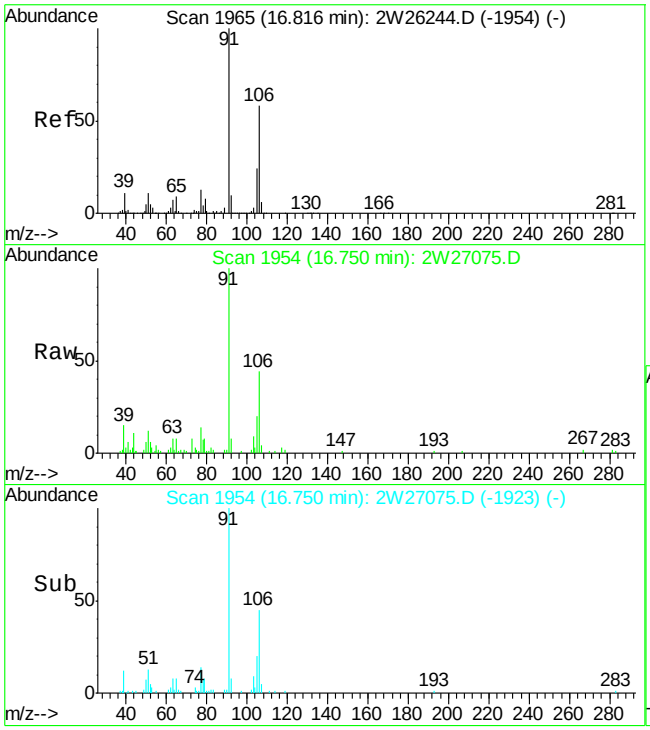


#71
m,p-XYLENE
Concen: 0.90 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:106 Resp: 70715

Ion	Ratio	Lower	Upper
106	100		
91	209.8	138.6	207.8#
77	29.9	23.5	35.3

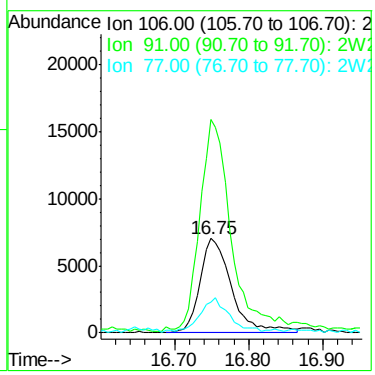


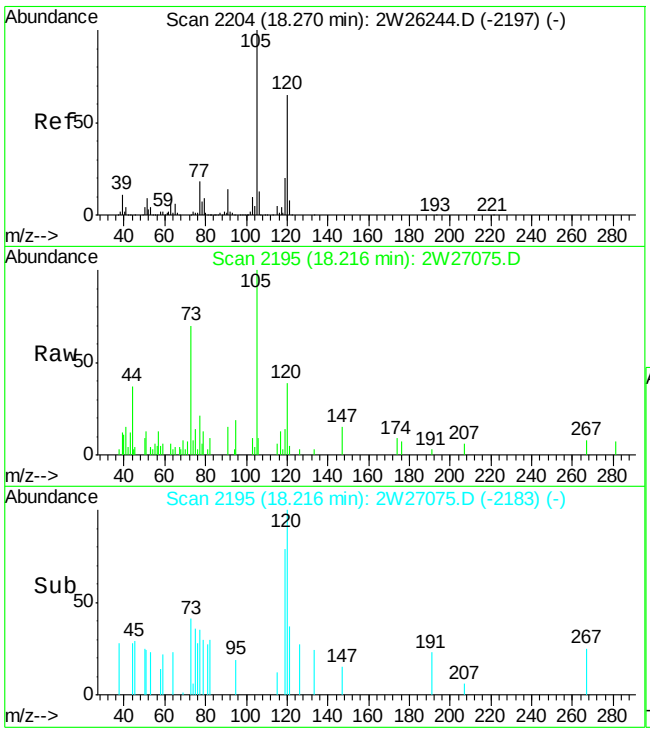


#72
o-XYLENE
Concen: 0.25 PPBV
RT: 16.75 min Scan# 1954
Delta R.T. 0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:106 Resp: 20586

Ion	Ratio	Lower	Upper
106	100		
91	228.5	181.1	221.1#
77	35.9	7.9	47.9

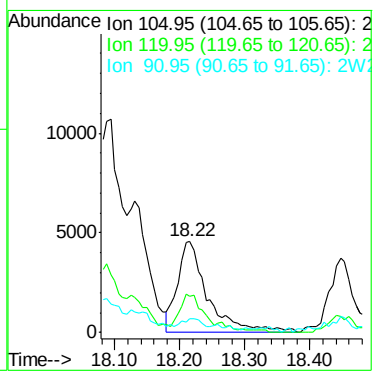


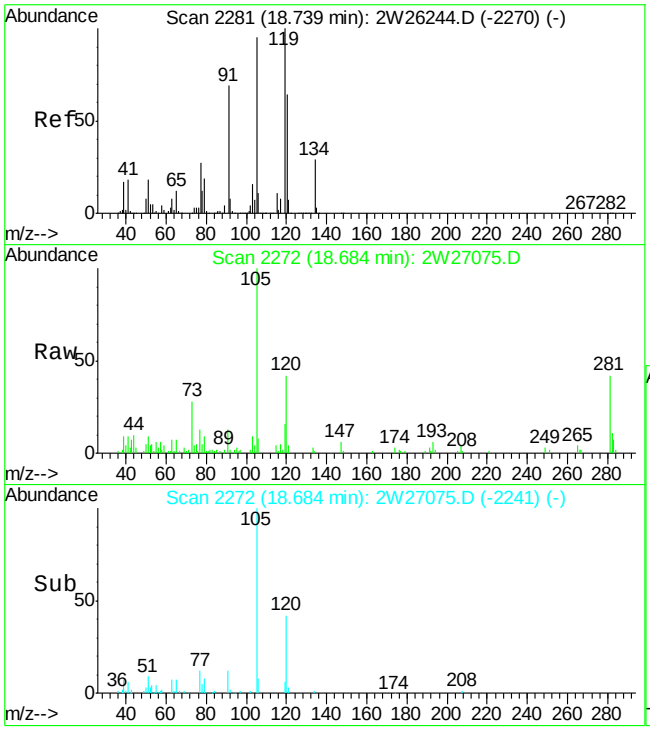


#82
1,3,5-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 18.22 min Scan# 2195
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:105 Resp: 14757

Ion	Ratio	Lower	Upper
105	100		
120	38.5	32.5	72.5
91	10.6	0.0	31.9

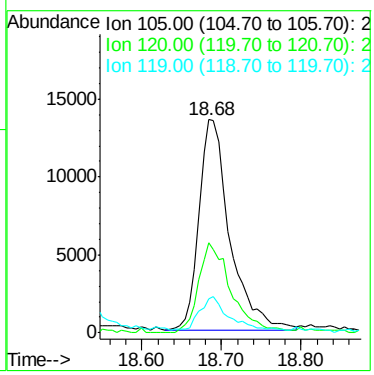




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.30 PPBV
RT: 18.68 min Scan# 2272
Delta R.T. -0.00 min
Lab File: 2W27075.D
Acq: 3 May 2010 11:48 pm

Tgt Ion:105 Resp: 36281

Ion	Ratio	Lower	Upper
105	100		
120	45.2	41.5	81.5
119	17.1	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/05/10 05:50

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27076.D Vial: 16
Acq On : 4 May 2010 12:31 am Operator: yunxiac
Sample : ja45062-12 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 08:11:44 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

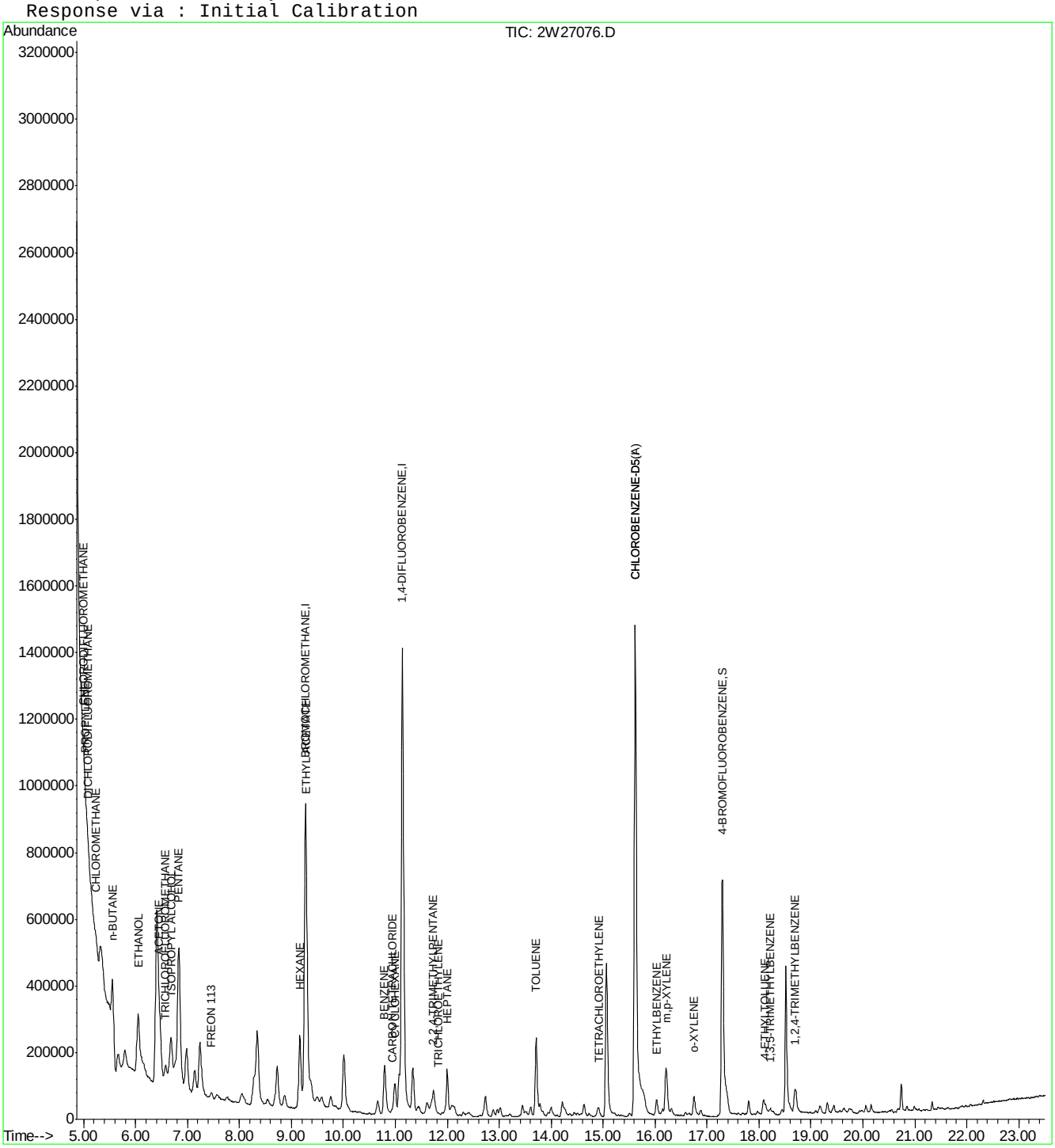
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	392806	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1713083	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	956364	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	956364	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	465749	4.69	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 93.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	107349	0.59	PPBV		96
5) CHLORODIFLUOROMETHANE	5.01	67	22794	1.11	PPBV	#	41
6) PROPYLENE	5.04	41	31496m	0.40	PPBV		
9) CHLOROMETHANE	5.25	52	18287	0.61	PPBV		98
12) n-BUTANE	5.57	43	351001	2.47	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	98974	0.65	PPBV		96
18) ISOPROPYL ALCOHOL	6.69	45	159183	1.43	PPBV		94
19) ACETONE	6.46	58	135454	4.41	PPBV	#	1
20) PENTANE	6.83	42	347884	4.33	PPBV		96
25) ETHANOL	6.05	45	502262	16.21	PPBV		99
29) FREON 113	7.46	151	8333	0.11	PPBV	#	81
34) HEXANE	9.16	57	162939	1.55	PPBV		91
39) ETHYL ACETATE	9.29	61	23558	1.32	PPBV		99
43) CARBON TETRACHLORIDE	10.94	117	14186	0.11	PPBV		97
46) BENZENE	10.79	78	203651	1.14	PPBV		98
47) CYCLOHEXANE	10.99	84	49851	0.51	PPBV	#	76
49) TRICHLOROETHYLENE	11.83	95	3665	0.05	PPBV	#	82
52) 2,2,4-TRIMETHYLPENTANE	11.74	57	84040	0.29	PPBV	#	62
55) HEPTANE	12.00	43	83299	0.76	PPBV		92
59) TOLUENE	13.71	92	164198	1.52	PPBV		92
64) TETRACHLOROETHYLENE	14.91	164	6379	0.09	PPBV		93
70) ETHYLBENZENE	16.04	91	53263	0.25	PPBV		92
71) m,p-XYLENE	16.21	106	82031	1.00	PPBV	#	74
72) o-XYLENE	16.74	106	24921	0.29	PPBV	#	83
81) 4-ETHYLTOLUENE	18.12	105	17132m	0.11	PPBV		
82) 1,3,5-TRIMETHYLBENZENE	18.22	105	16536	0.11	PPBV		93
84) 1,2,4-TRIMETHYLBENZENE	18.68	105	51208	0.40	PPBV	#	30

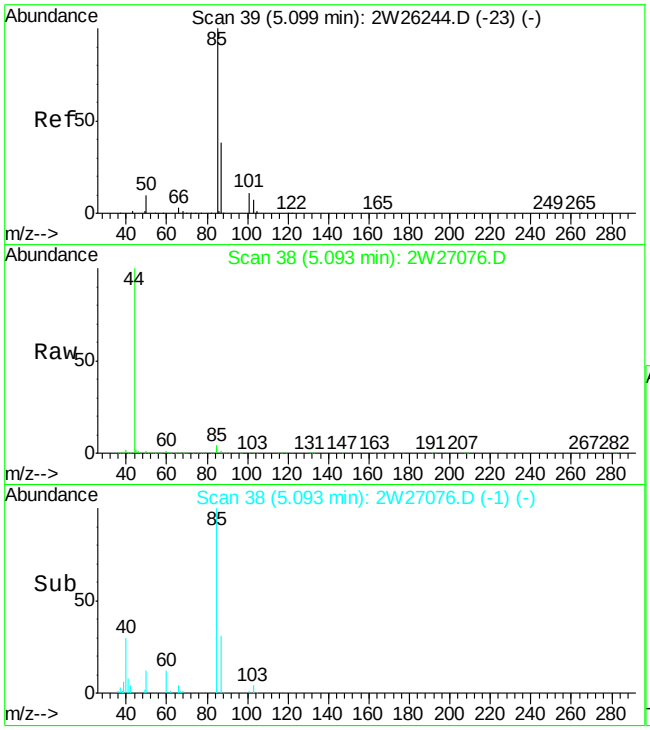
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27076.D Vial: 16
Acq On : 4 May 2010 12:31 am Operator: yunxiac
Sample : ja45062-12 Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 8:55 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

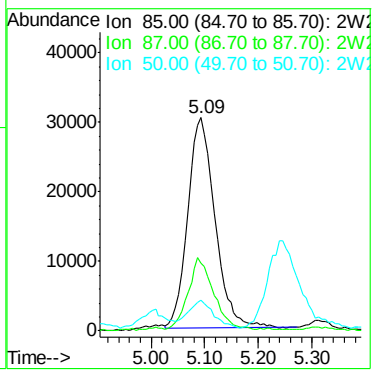


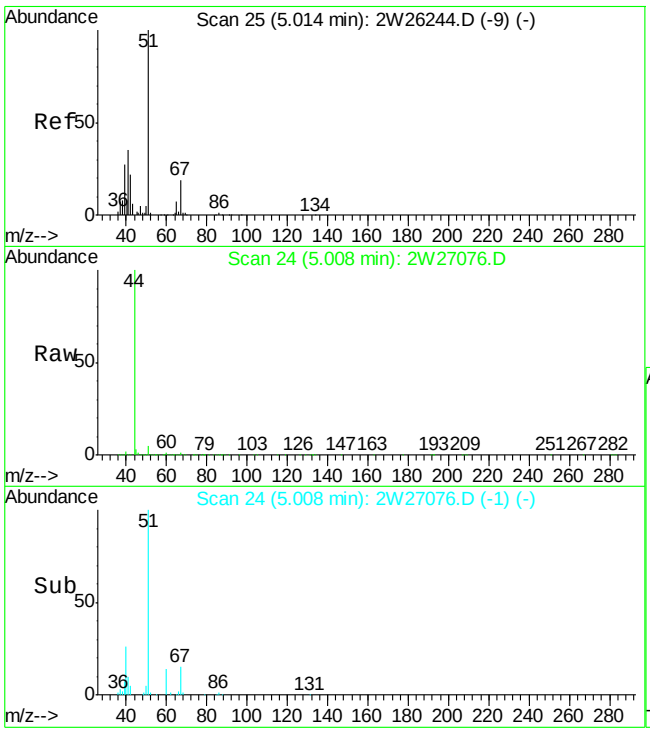


#3
DICHLORODIFLUOROMETHANE
Concen: 0.59 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 85 Resp: 107349

Ion	Ratio	Lower	Upper
85	100		
87	31.7	14.2	54.2
50	12.2	0.0	31.0

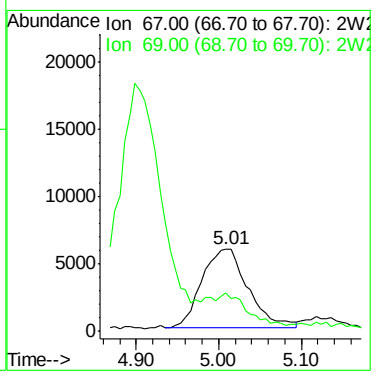


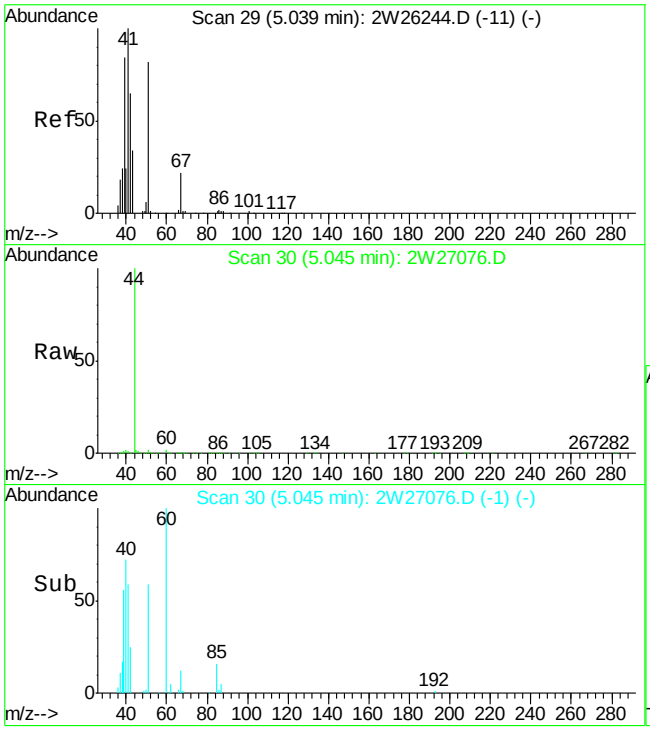


#5
CHLORODIFLUOROMETHANE
Concen: 1.11 PPBV
RT: 5.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 67 Resp: 22794

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

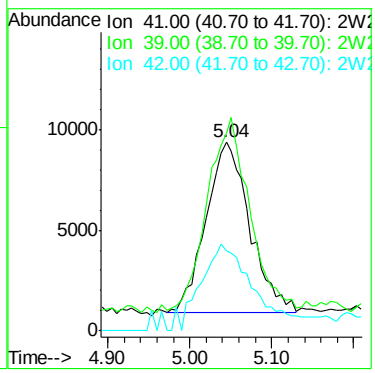


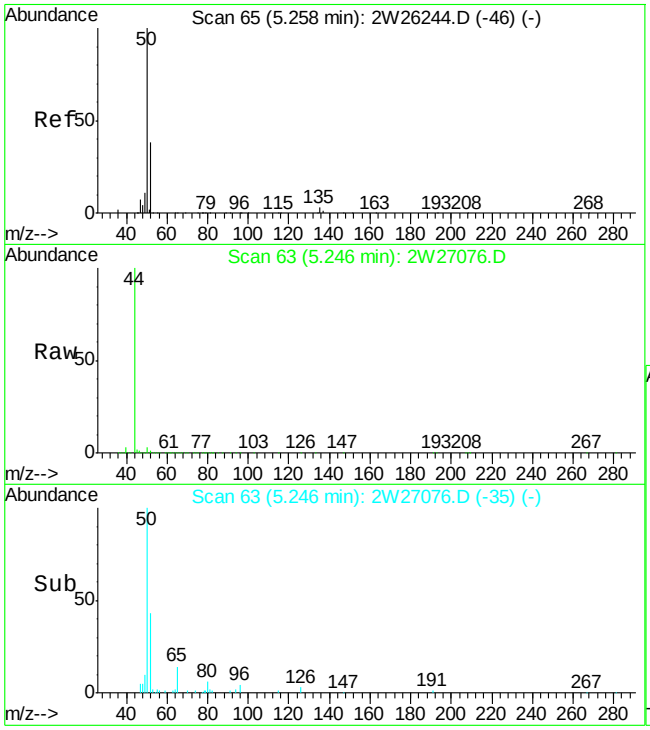


#6
PROPYLENE
Concen: 0.40 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 41 Resp: 31496

Ion	Ratio	Lower	Upper
41	100		
39	104.5	47.9	87.9#
42	42.5	47.3	87.3#

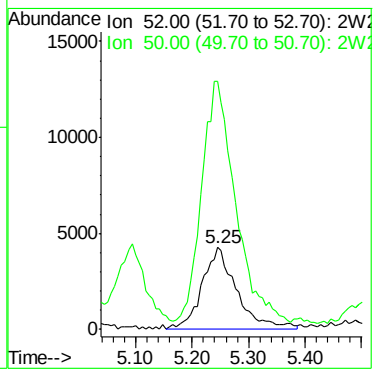


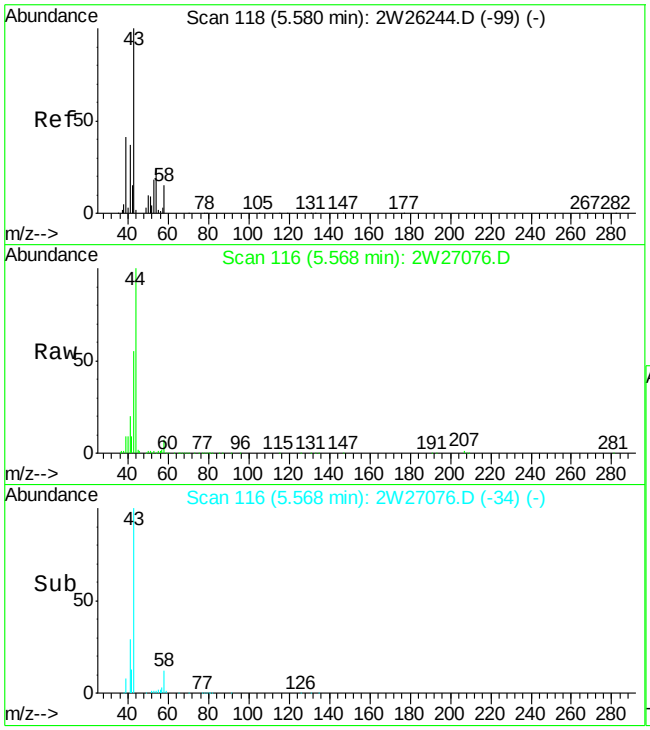


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 52 Resp: 18287

Ion	Ratio	Lower	Upper
52	100		
50	293.5	268.7	308.7

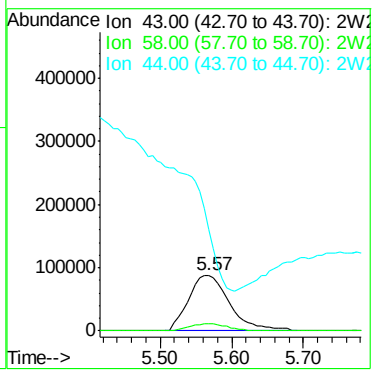


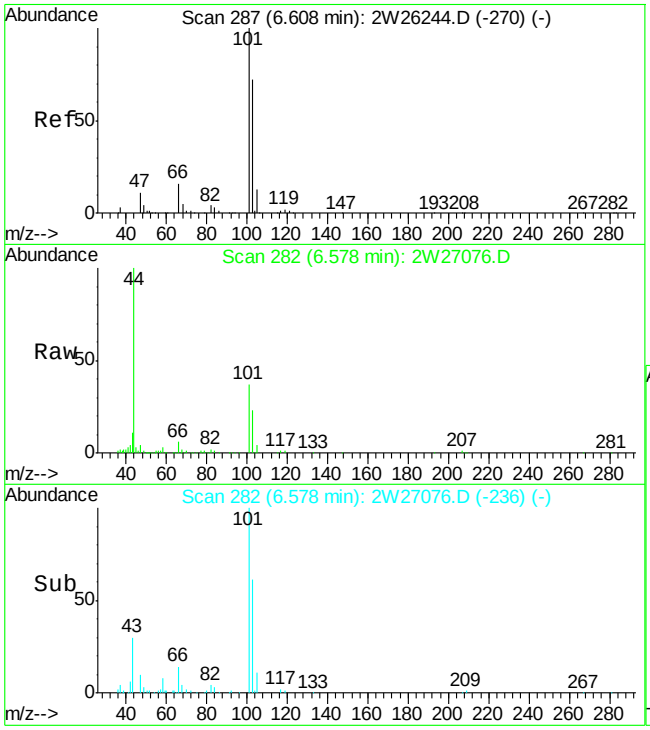


#12
n-BUTANE
Concen: 2.47 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 43 Resp: 351001

Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.6	15.8
44	0.0	2.3	3.5#

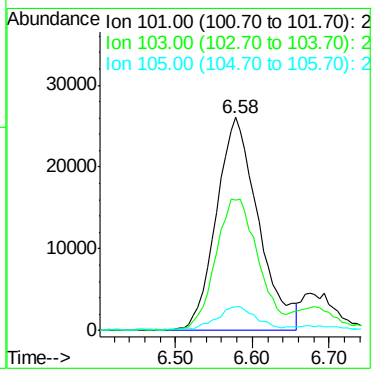


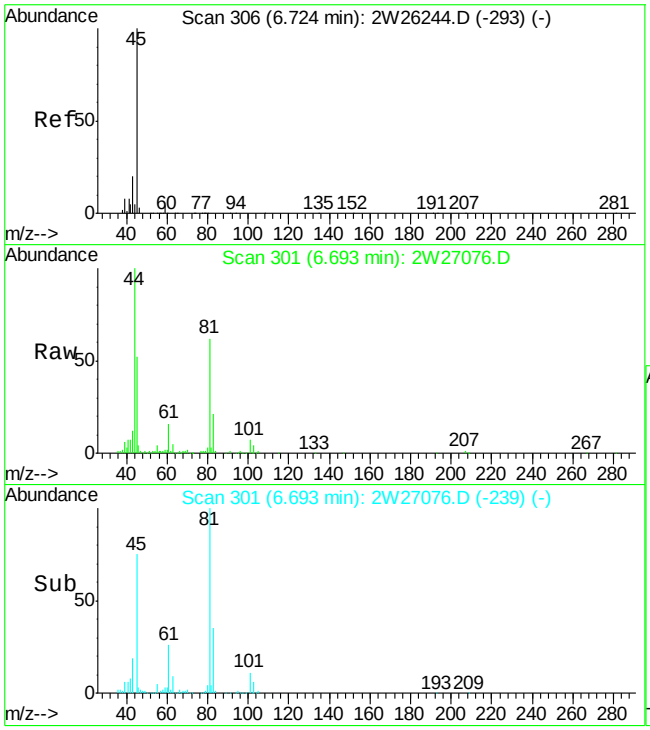


#17
TRICHLOROFLUOROMETHANE
Concen: 0.65 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:101 Resp: 98974

Ion	Ratio	Lower	Upper
101	100		
103	63.1	46.7	86.7
105	11.9	0.0	31.2

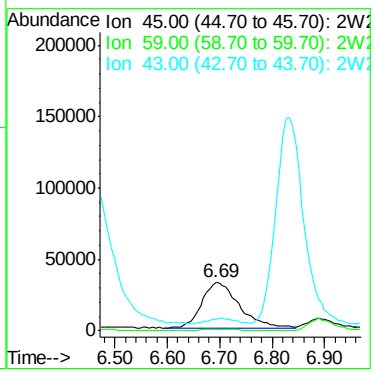


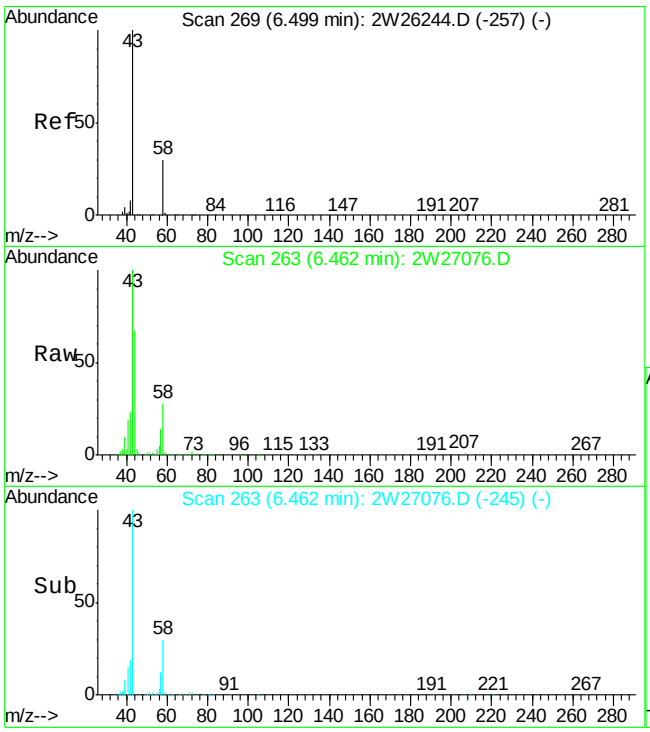


#18
ISOPROPYL ALCOHOL
Concen: 1.43 PPBV
RT: 6.69 min Scan# 301
Delta R.T. 0.02 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 45 Resp: 159183

Ion	Ratio	Lower	Upper
45	100		
59	3.1	0.0	24.1
43	23.2	0.2	40.2

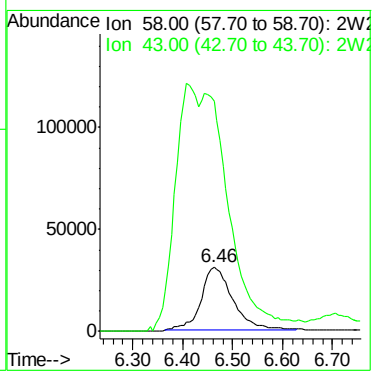


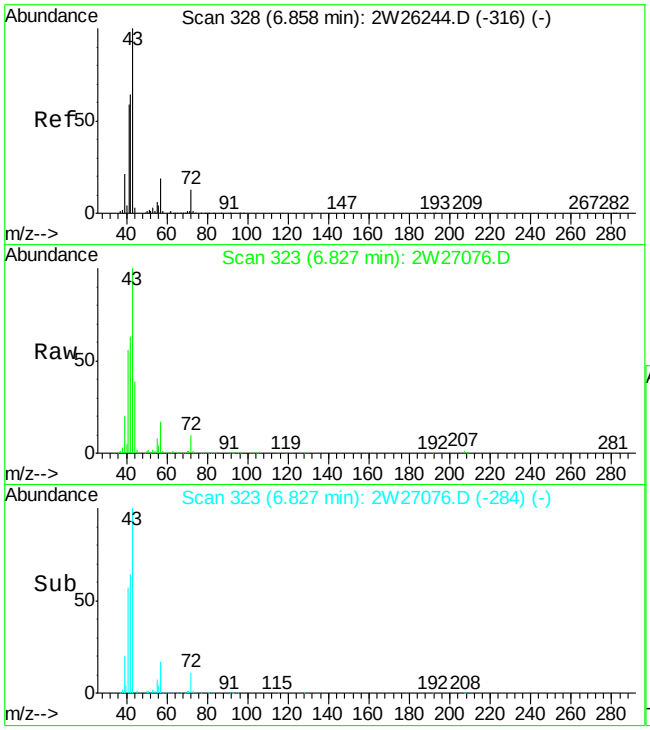


#19
ACETONE
Concen: 4.41 PPBV
RT: 6.46 min Scan# 263
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 58 Resp: 135454

Ion	Ratio	Lower	Upper
58	100		
43	0.0	315.8	355.8#

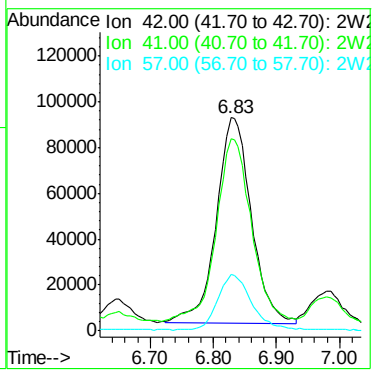


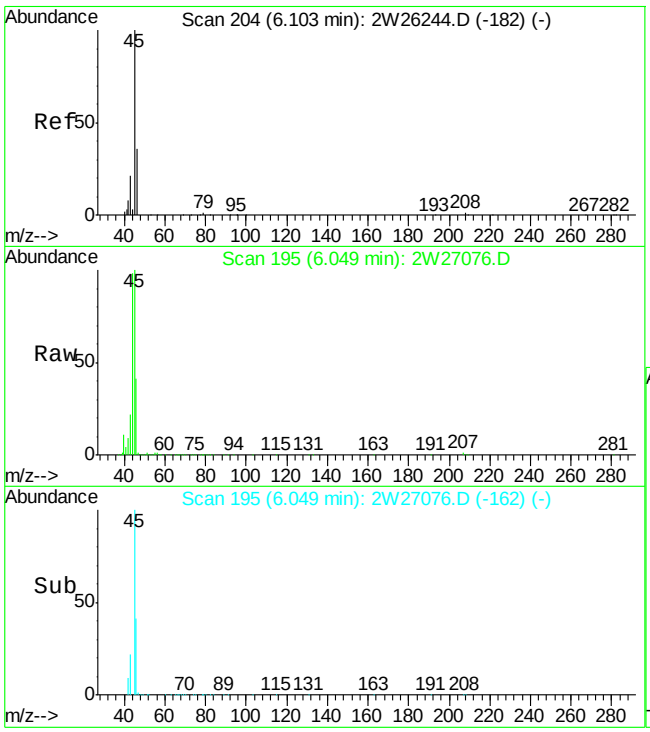


#20
PENTANE
Concen: 4.33 PPBV
RT: 6.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 42 Resp: 347884

Ion	Ratio	Lower	Upper
42	100		
41	91.9	67.5	107.5
57	25.8	6.1	46.1

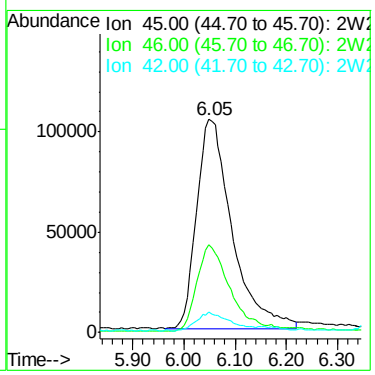


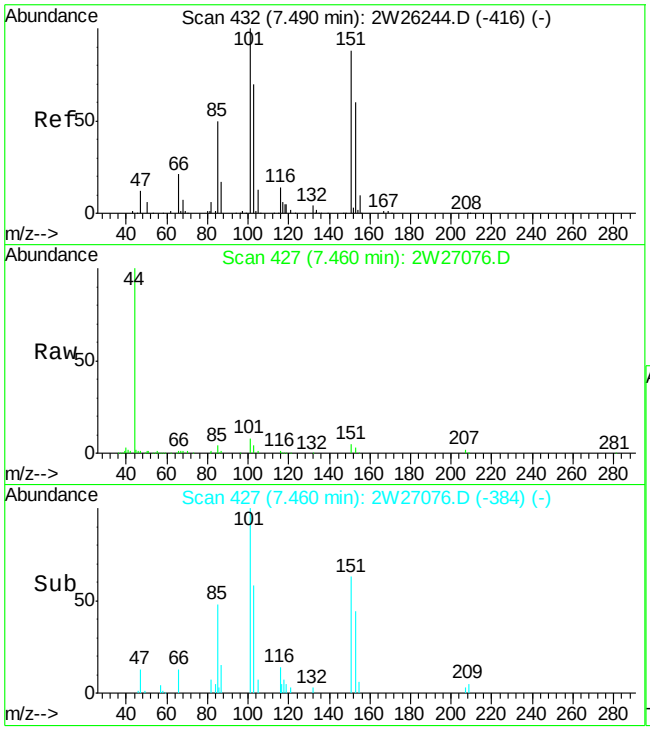


#25
ETHANOL
Concen: 16.21 PPBV
RT: 6.05 min Scan# 195
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 45 Resp: 502262

Ion	Ratio	Lower	Upper
45	100		
46	39.6	9.3	69.3
42	9.1	0.0	37.7

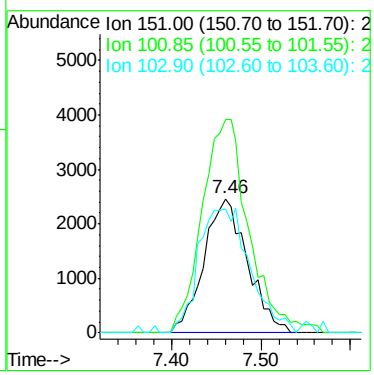


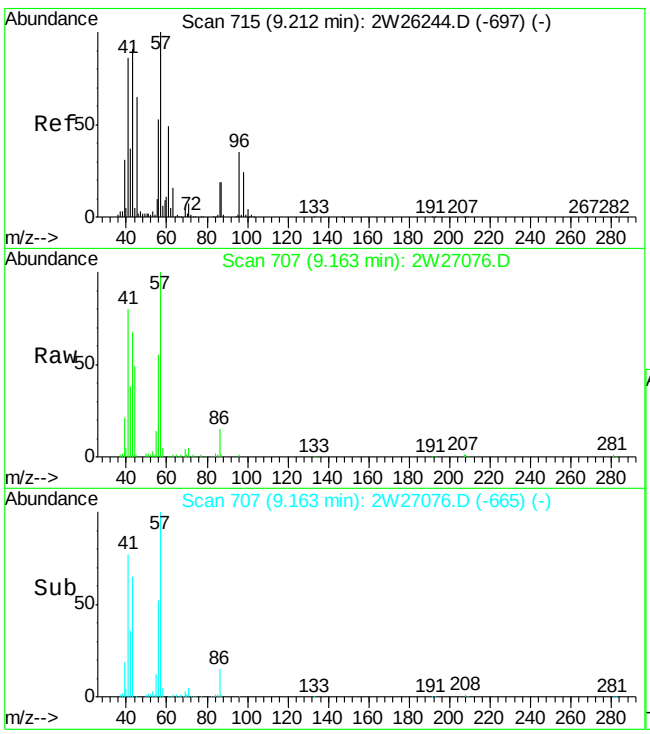


#29
FREON 113
Concen: 0.11 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:151 Resp: 8333

Ion	Ratio	Lower	Upper
151	100		
101	171.1	124.8	164.8#
103	109.5	75.2	115.2

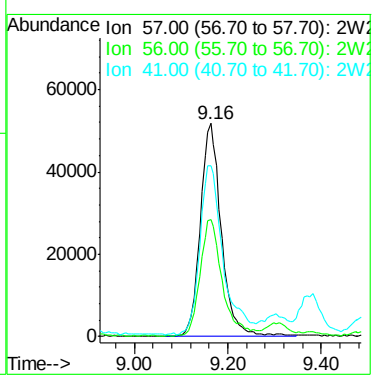


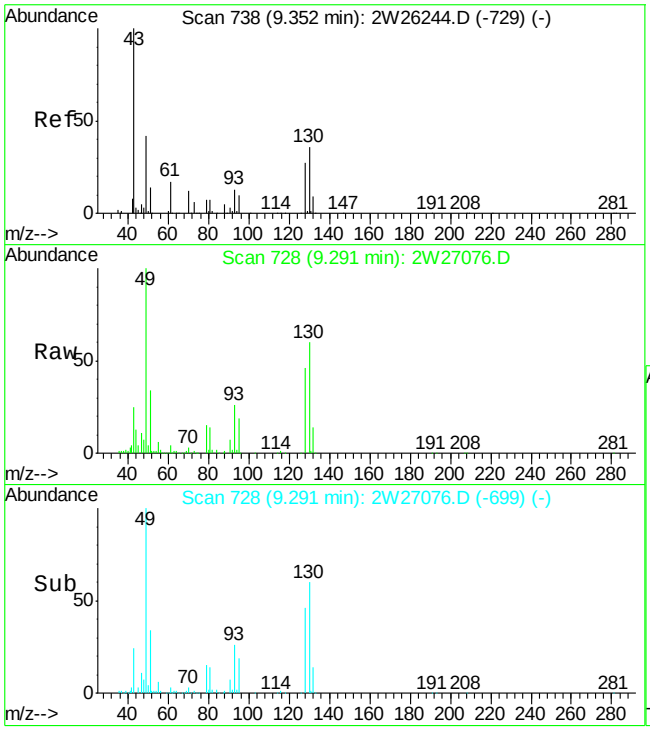


#34
HEXANE
Concen: 1.55 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 57 Resp: 162939

Ion	Ratio	Lower	Upper
57	100		
56	58.9	32.4	72.4
41	88.3	77.6	117.6

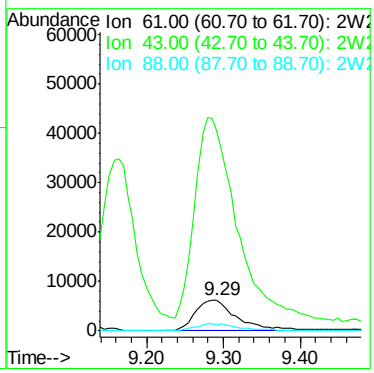


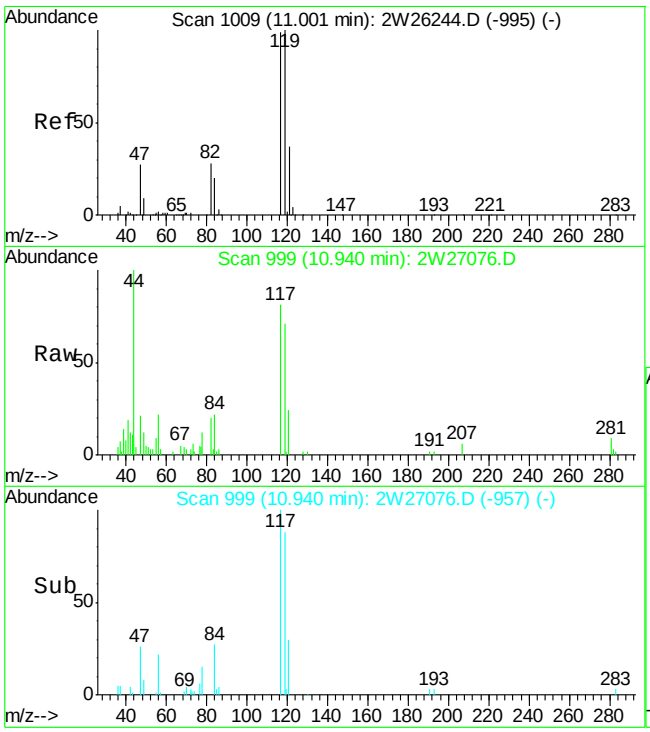


#39
ETHYL ACETATE
Concen: 1.32 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 61 Resp: 23558

Ion	Ratio	Lower	Upper
61	100		
43	628.6	606.5	646.5
88	24.0	4.8	44.8

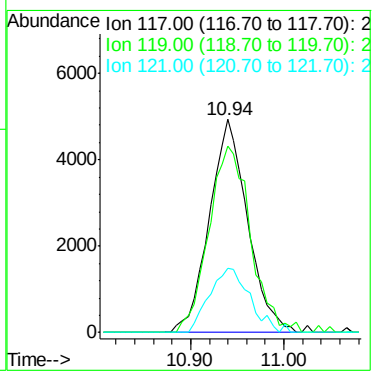


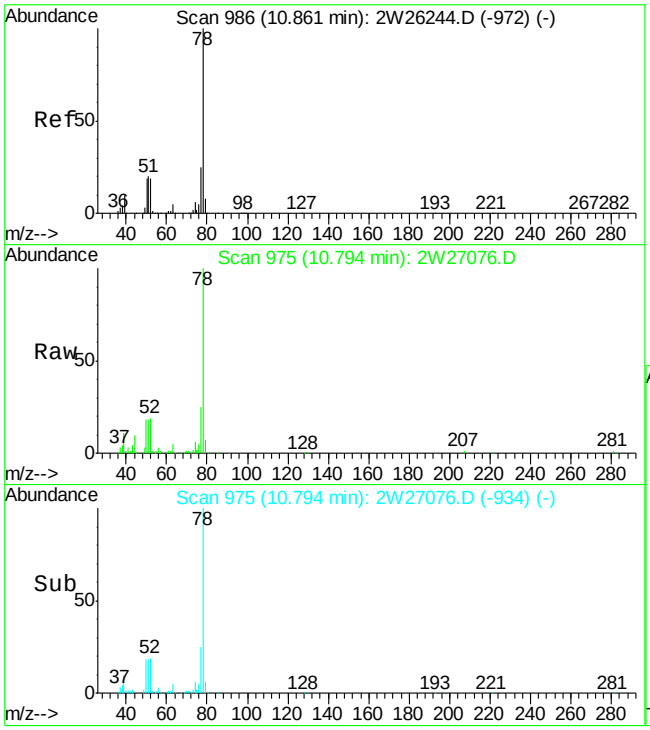


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:117 Resp: 14186

Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.0	118.0
121	31.3	12.8	52.8

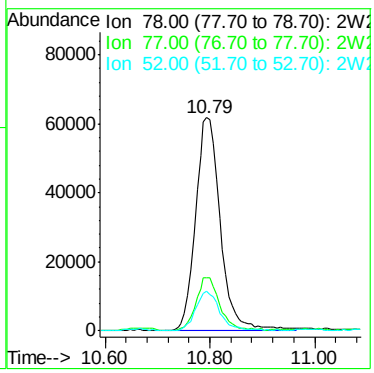


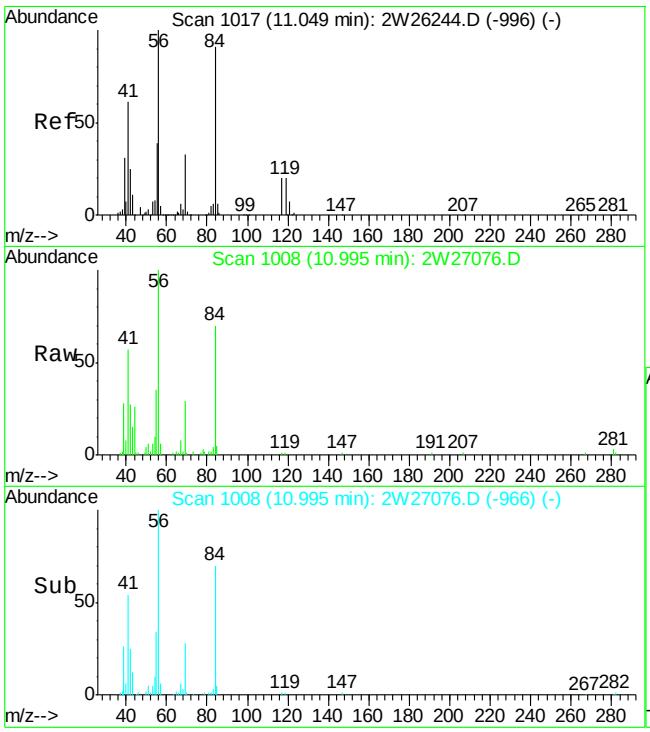


#46
BENZENE
Concen: 1.14 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 78 Resp: 203651

Ion	Ratio	Lower	Upper
78	100		
77	23.5	4.9	44.9
52	17.7	0.0	37.9

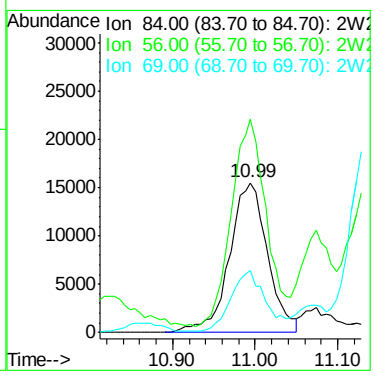


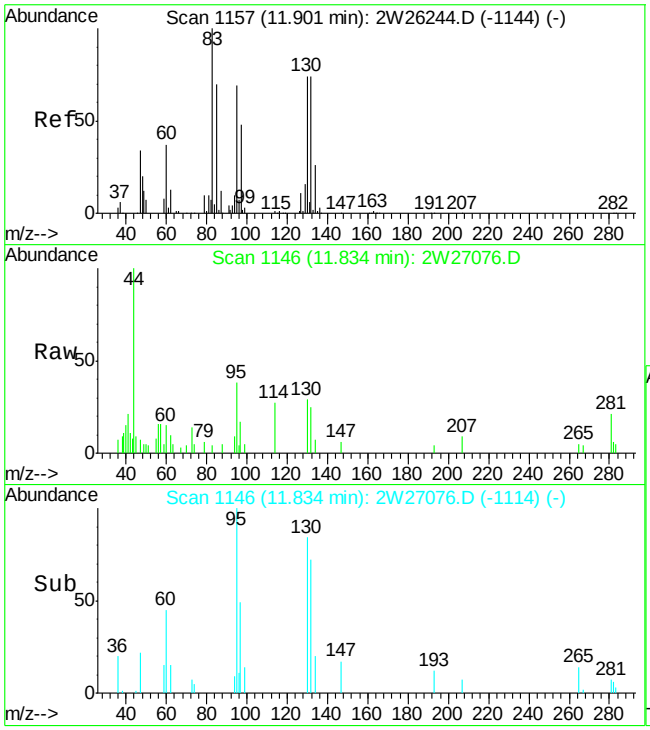


#47
CYCLOHEXANE
Concen: 0.51 PPBV
RT: 10.99 min Scan# 1008
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 84 Resp: 49851

Ion	Ratio	Lower	Upper
84	100		
56	127.4	79.5	119.5#
69	36.5	10.7	50.7

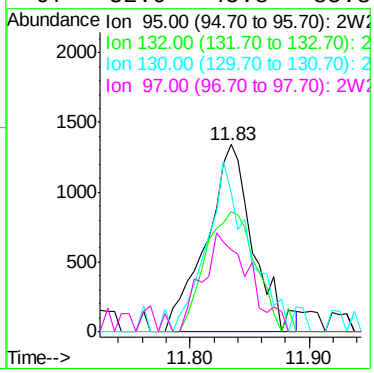


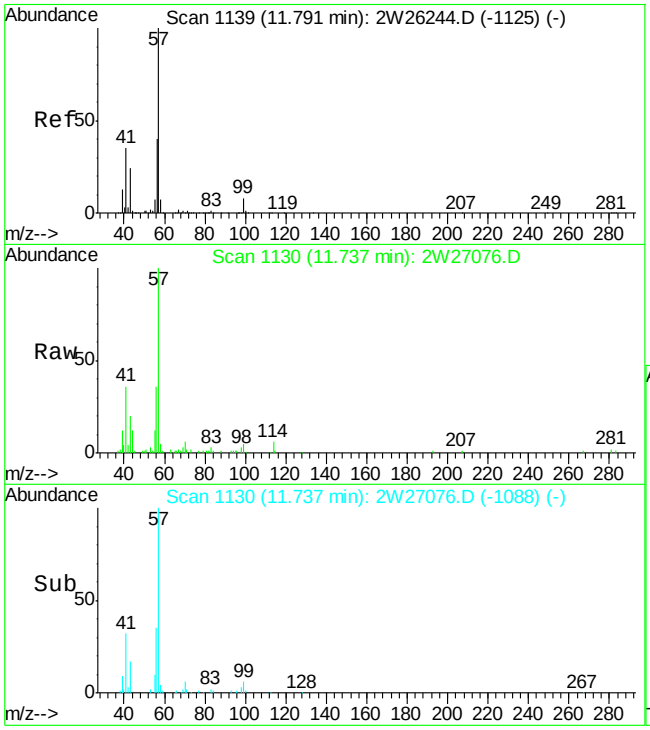


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 95 Resp: 3665

Ion	Ratio	Lower	Upper
95	100		
132	68.1	72.7	112.7#
130	83.4	75.6	115.6
97	52.9	45.8	85.8

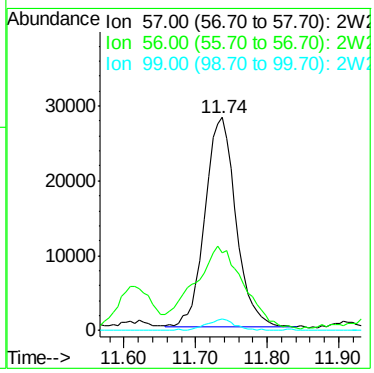


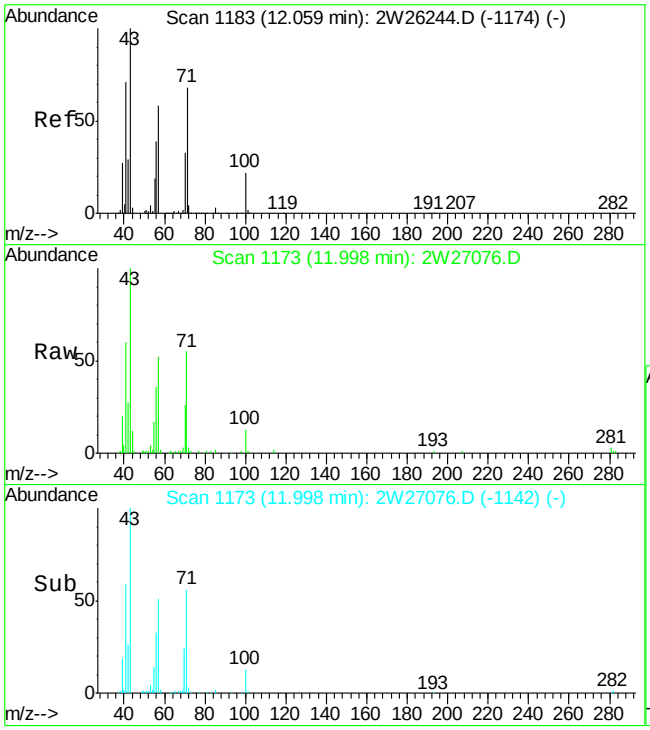


#52
2,2,4-TRIMETHYLPENTANE
Concen: 0.29 PPBV
RT: 11.74 min Scan# 1130
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 57 Resp: 84040

Ion	Ratio	Lower	Upper
57	100		
56	63.1	17.1	57.1#
99	5.0	0.0	26.0

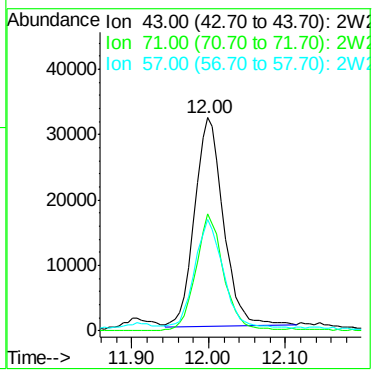


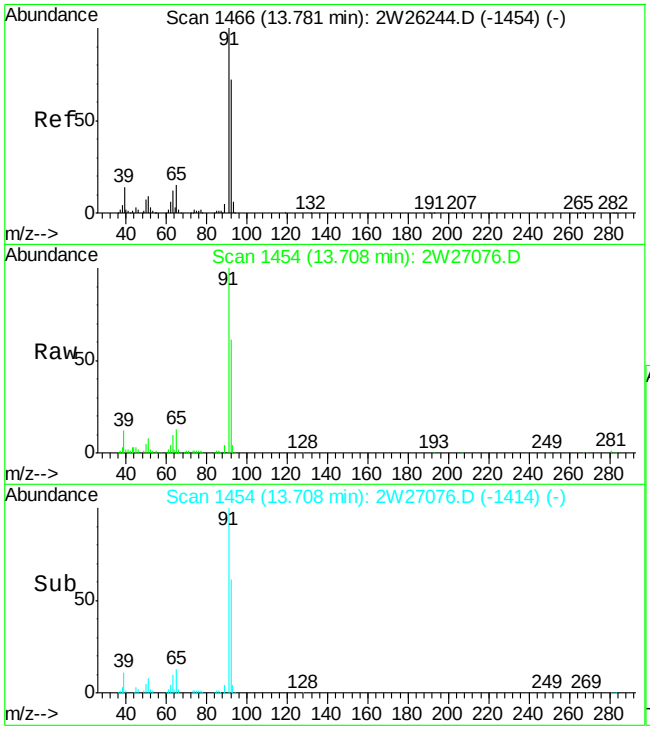


#55
HEPTANE
Concen: 0.76 PPBV
RT: 12.00 min Scan# 1173
Delta R.T. 0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 43 Resp: 83299

Ion	Ratio	Lower	Upper
43	100		
71	54.7	41.4	81.4
57	52.2	36.9	76.9

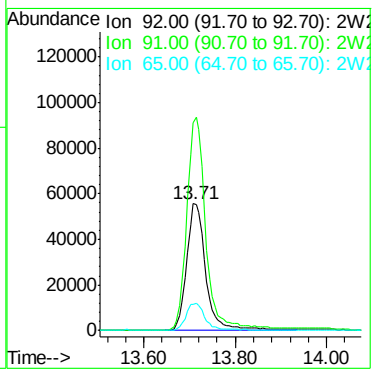


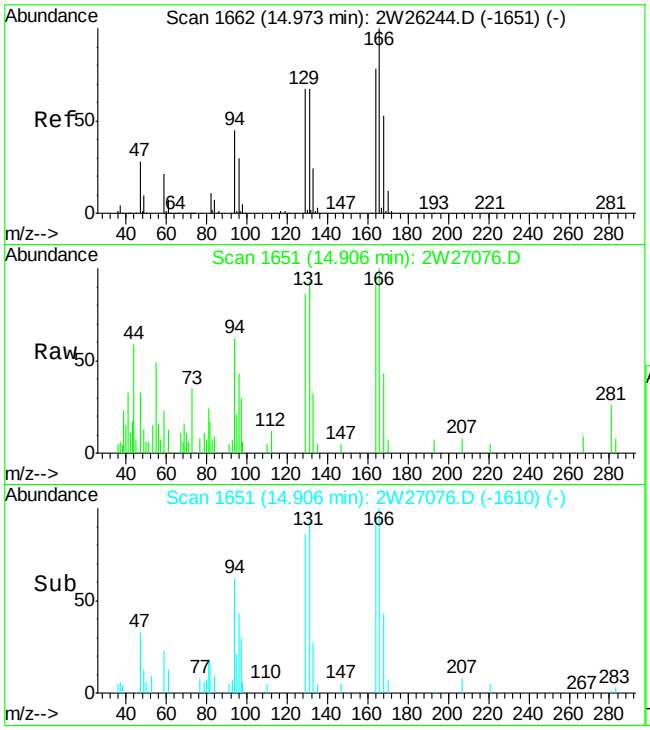


#59
TOLUENE
Concen: 1.52 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 92 Resp: 164198

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.6	176.6
65	22.1	0.9	40.9

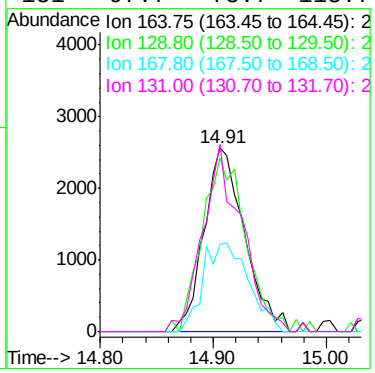


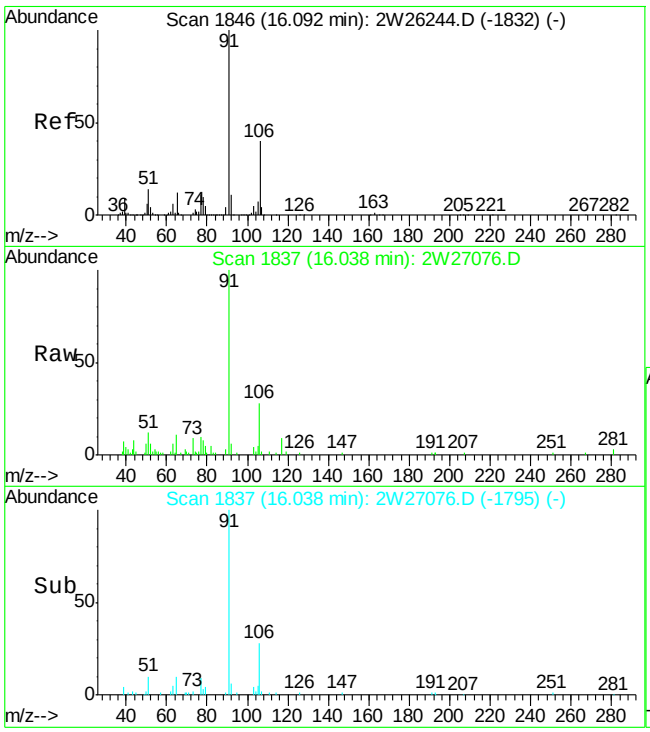


#64
TETRACHLOROETHYLENE
Concen: 0.09 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:164 Resp: 6379

Ion	Ratio	Lower	Upper
164	100		
129	102.3	76.6	116.6
168	54.5	44.5	84.5
131	97.7	73.7	113.7

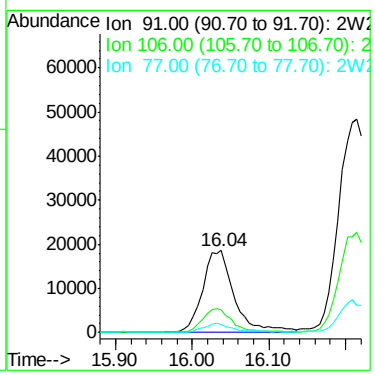


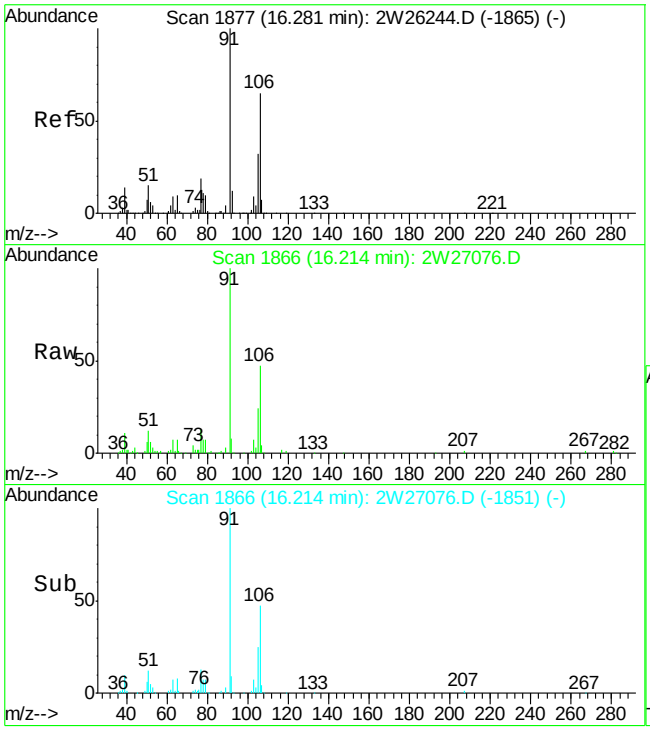


#70
ETHYLBENZENE
Concen: 0.25 PPBV
RT: 16.04 min Scan# 1837
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion: 91 Resp: 53263

Ion	Ratio	Lower	Upper
91	100		
106	28.4	13.5	53.5
77	11.6	0.0	29.7

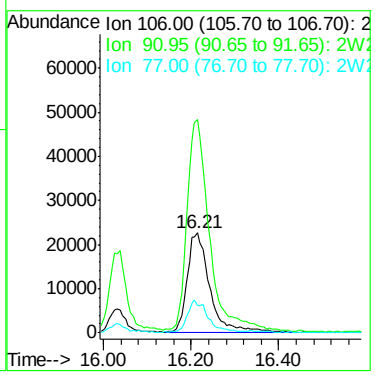


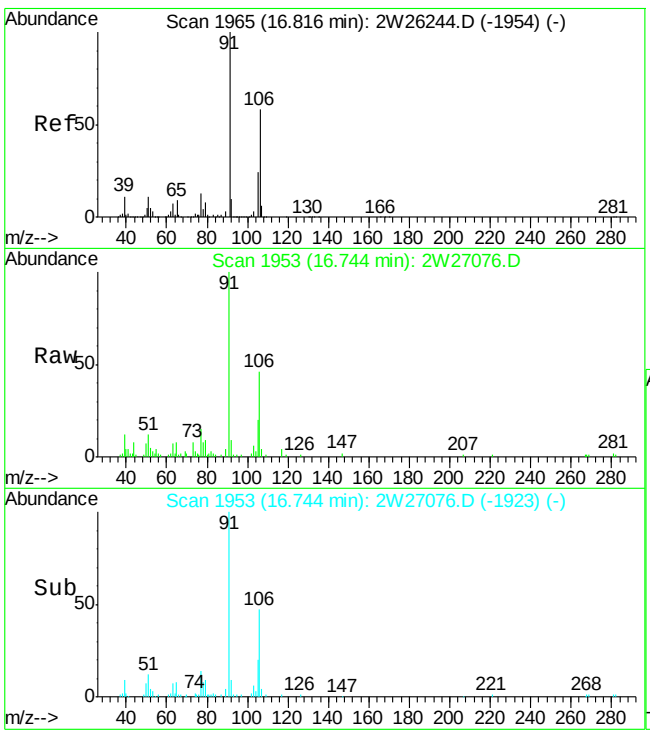


#71
m,p-XYLENE
Concen: 1.00 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:106 Resp: 82031

Ion	Ratio	Lower	Upper
106	100		
91	214.0	138.6	207.8#
77	27.3	23.5	35.3

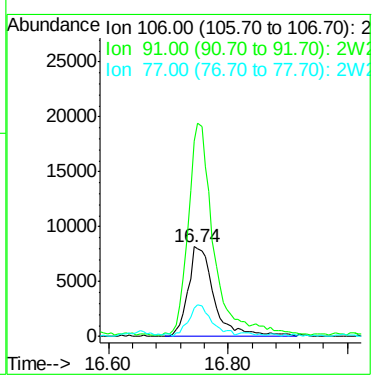


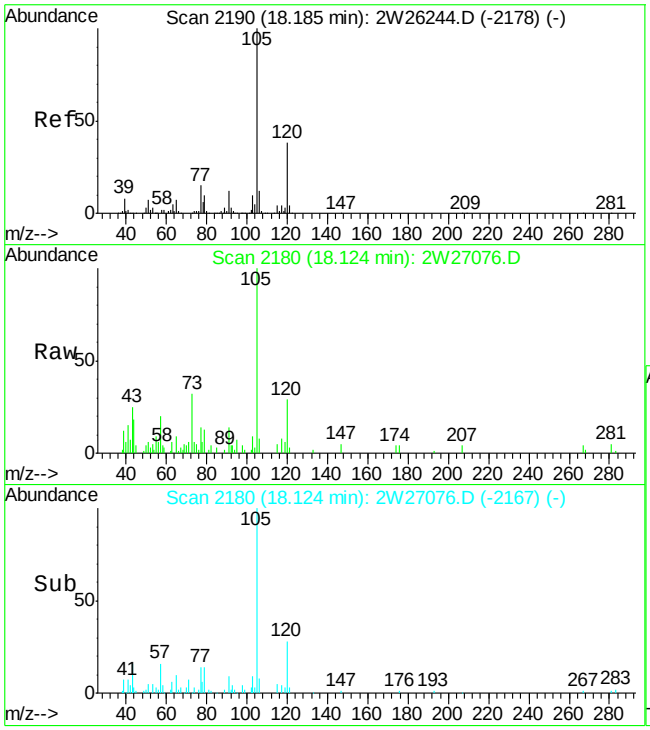


#72
o-XYLENE
Concen: 0.29 PPBV
RT: 16.74 min Scan# 1953
Delta R.T. -0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:106 Resp: 24921

Ion	Ratio	Lower	Upper
106	100		
91	228.9	181.1	221.1#
77	31.7	7.9	47.9

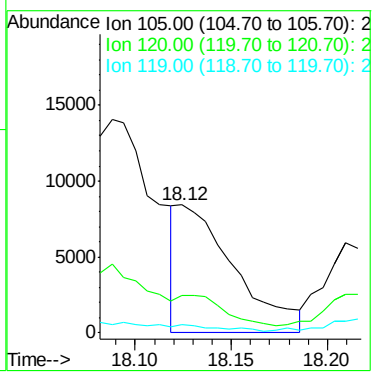


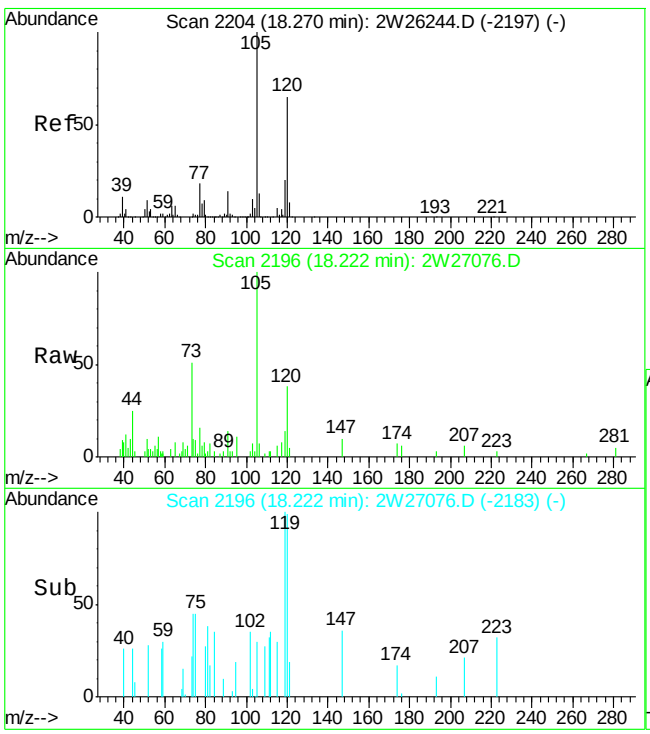


#81
4-ETHYLTOLUENE
Concen: 0.11 PPBV m
RT: 18.12 min Scan# 2180
Delta R.T. -0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:105 Resp: 17132

Ion	Ratio	Lower	Upper
105	100		
120	70.8	11.5	51.5#
119	11.5	0.0	22.8

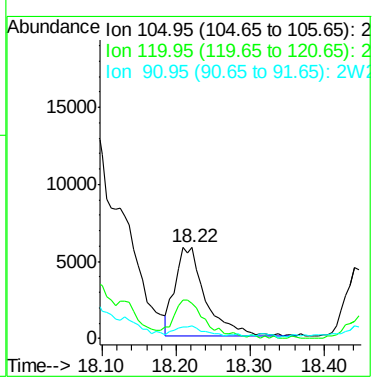


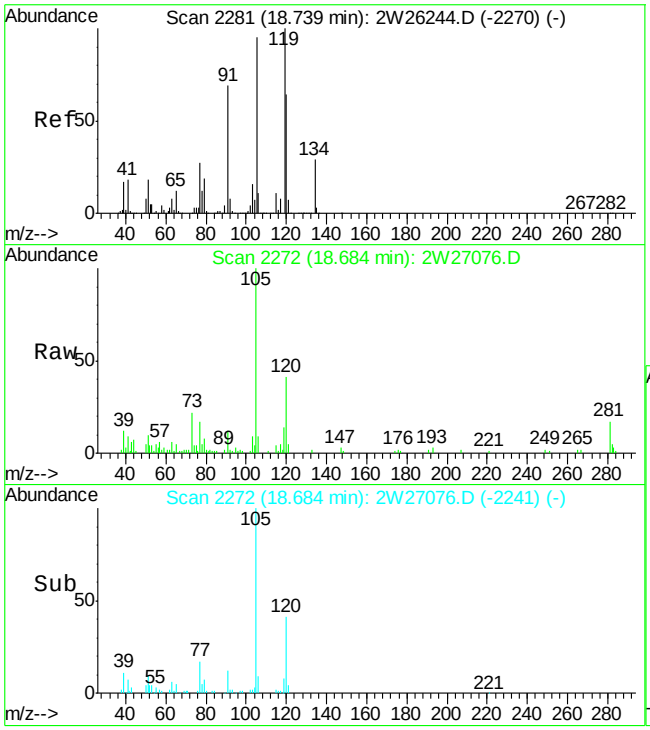


#82
1,3,5-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 18.22 min Scan# 2196
Delta R.T. 0.01 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:105 Resp: 16536

Ion	Ratio	Lower	Upper
105	100		
120	47.7	32.5	72.5
91	9.6	0.0	31.9

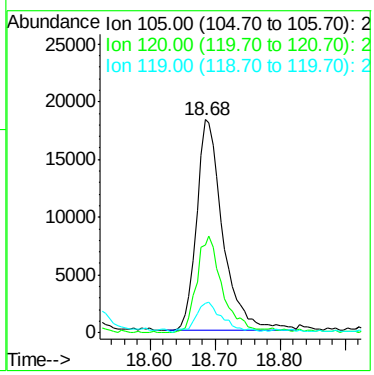




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.40 PPBV
RT: 18.68 min Scan# 2272
Delta R.T. 0.00 min
Lab File: 2W27076.D
Acq: 4 May 2010 12:31 am

Tgt Ion:105 Resp: 51208

Ion	Ratio	Lower	Upper
105	100		
120	46.1	41.5	81.5
119	15.5	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/06/10 00:20

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27094.D Vial: 6
Acq On : 4 May 2010 8:57 pm Operator: yunxiac
Sample : ja45062-13 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:37 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

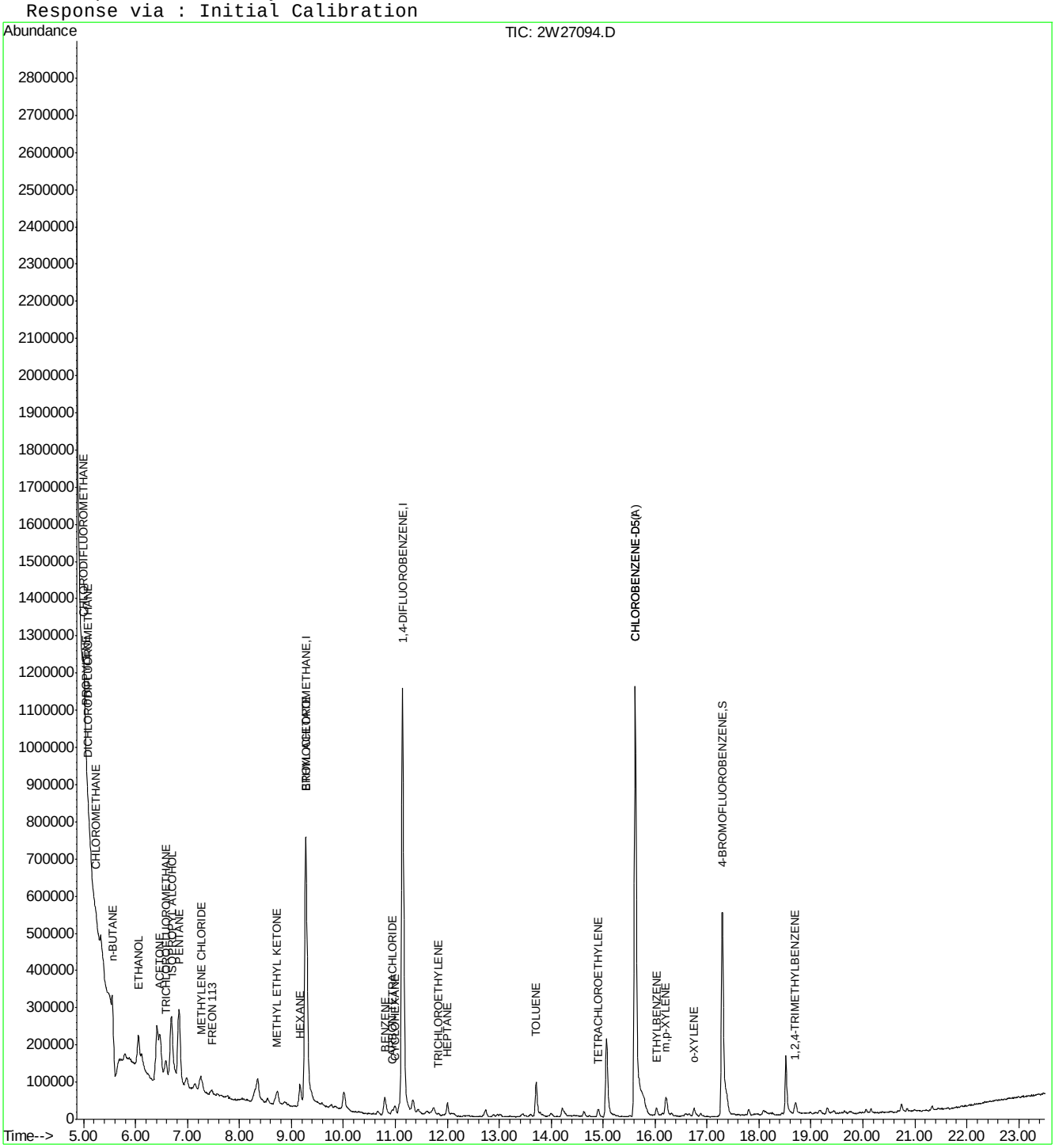
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	299841	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1392404	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	730059	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	729192	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	347524	4.58	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	94765	0.69	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	124937	7.94	PPBV		92
6) PROPYLENE	5.05	41	23189m	0.39	PPBV		
9) CHLOROMETHANE	5.25	52	14042	0.62	PPBV		97
12) n-BUTANE	5.57	43	114516	1.05	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	101323	0.87	PPBV		99
18) ISOPROPYL ALCOHOL	6.71	45	184864	2.17	PPBV		98
19) ACETONE	6.47	58	89536	3.82	PPBV		94
20) PENTANE	6.84	42	161501	2.63	PPBV		91
25) ETHANOL	6.06	45	251434	10.63	PPBV		98
27) METHYLENE CHLORIDE	7.28	84	8656	0.21	PPBV		92
29) FREON 113	7.47	151	6556	0.11	PPBV		93
34) HEXANE	9.16	57	39846	0.50	PPBV		94
37) METHYL ETHYL KETONE	8.71	72	7450	0.35	PPBV	#	56
39) ETHYL ACETATE	9.28	61	22781	1.67	PPBV	#	67
43) CARBON TETRACHLORIDE	10.94	117	12015	0.12	PPBV		97
46) BENZENE	10.80	78	58525	0.40	PPBV		96
47) CYCLOHEXANE	10.99	84	13433	0.17	PPBV		90
49) TRICHLOROETHYLENE	11.83	95	2932	0.05	PPBV	#	80
55) HEPTANE	12.00	43	19716	0.22	PPBV		90
59) TOLUENE	13.71	92	62260	0.71	PPBV		88
64) TETRACHLOROETHYLENE	14.90	164	5902	0.11	PPBV		95
70) ETHYLBENZENE	16.03	91	21802	0.13	PPBV		91
71) m,p-XYLENE	16.21	106	26959	0.43	PPBV		87
72) o-XYLENE	16.74	106	8400	0.13	PPBV	#	67
84) 1,2,4-TRIMETHYLBENZENE	18.68	105	14289	0.15	PPBV	#	30

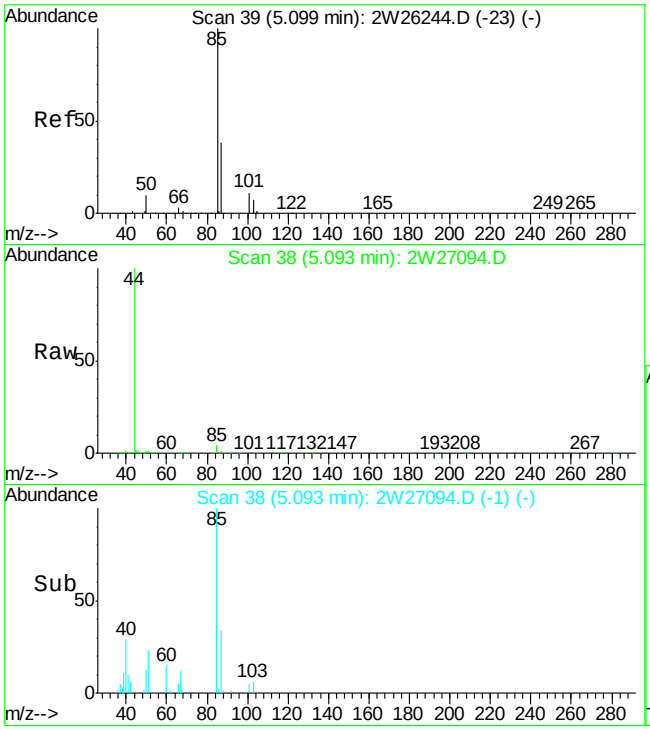
(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27094.D M2W1138.M Wed May 05 10:22:10 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27094.D Vial: 6
Acq On : 4 May 2010 8:57 pm Operator: yunxiac
Sample : ja45062-13 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:37 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

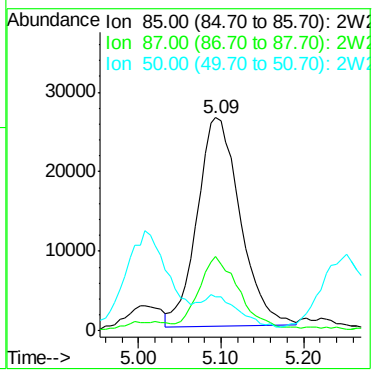


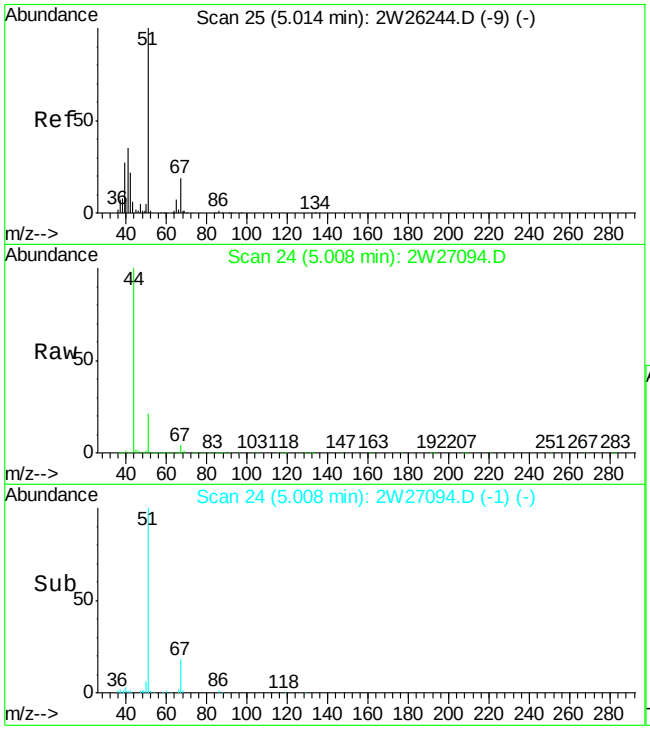


#3
DICHLORODIFLUOROMETHANE
Concen: 0.69 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 85 Resp: 94765

Ion	Ratio	Lower	Upper
85	100		
87	32.4	14.2	54.2
50	11.4	0.0	31.0

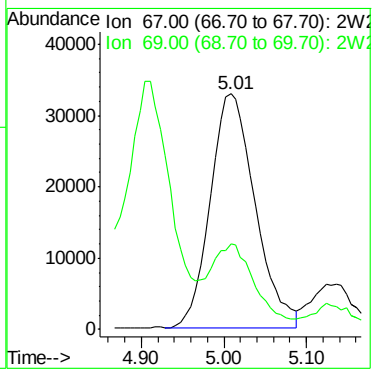




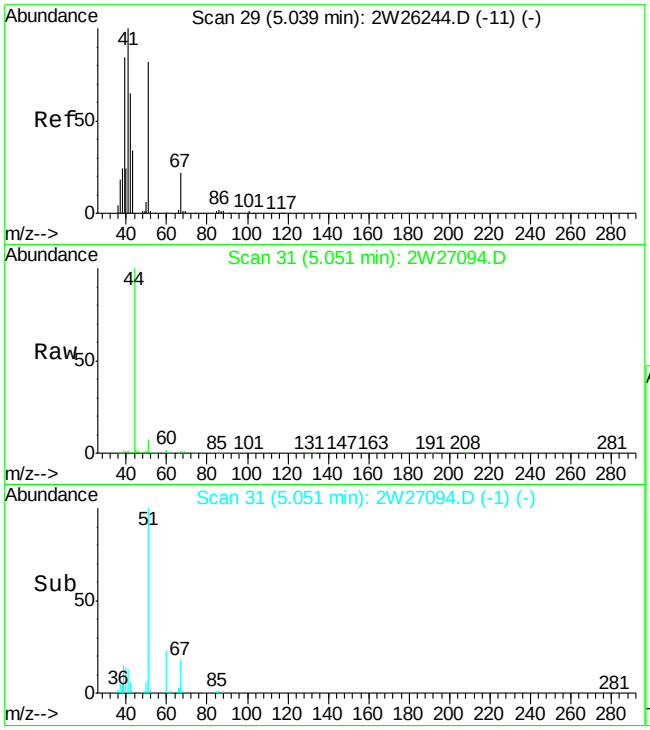
#5
CHLORODIFLUOROMETHANE
Concen: 7.94 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 67 Resp: 124937

Ion	Ratio	Lower	Upper
67	100		
69	28.8	13.6	53.6



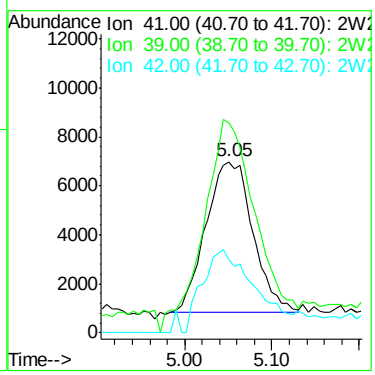
ACCUTEST Laboratories JA45062

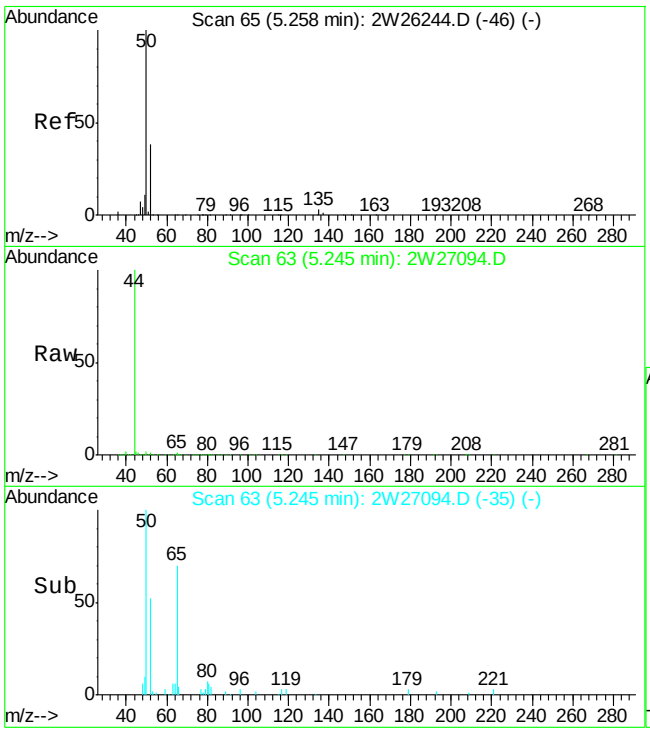


#6
PROPYLENE
Concen: 0.39 PPBV m
RT: 5.05 min Scan# 31
Delta R.T. 0.02 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 41 Resp: 23189

Ion	Ratio	Lower	Upper
41	100		
39	122.5	47.9	87.9#
42	42.7	47.3	87.3#

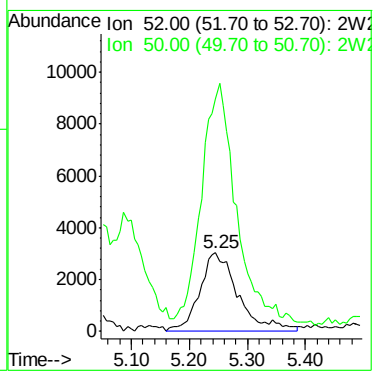




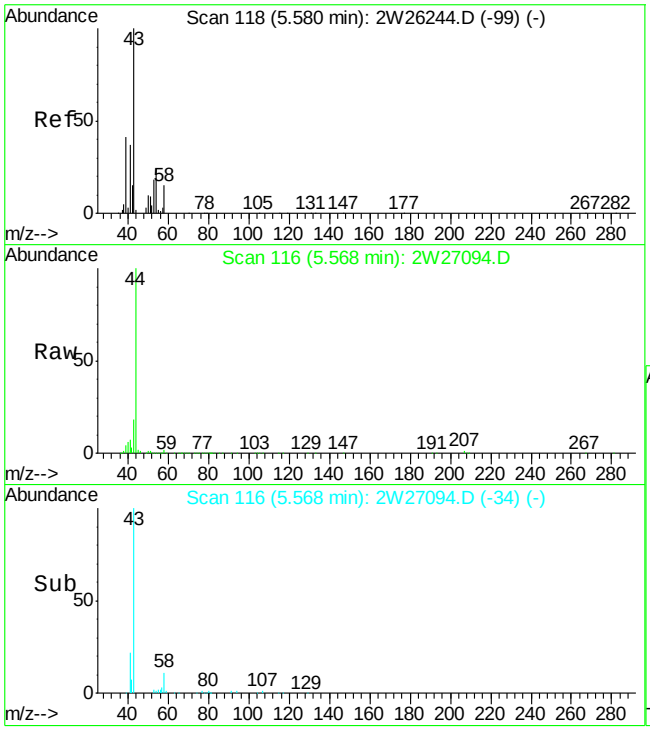
#9
CHLOROMETHANE
Concen: 0.62 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 52 Resp: 14042

Ion	Ratio	Lower	Upper
52	100		
50	282.8	268.7	308.7



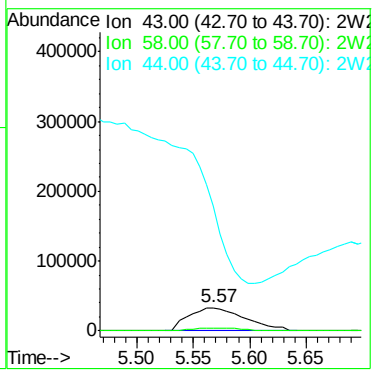
ACCUTEST Laboratories JA45062

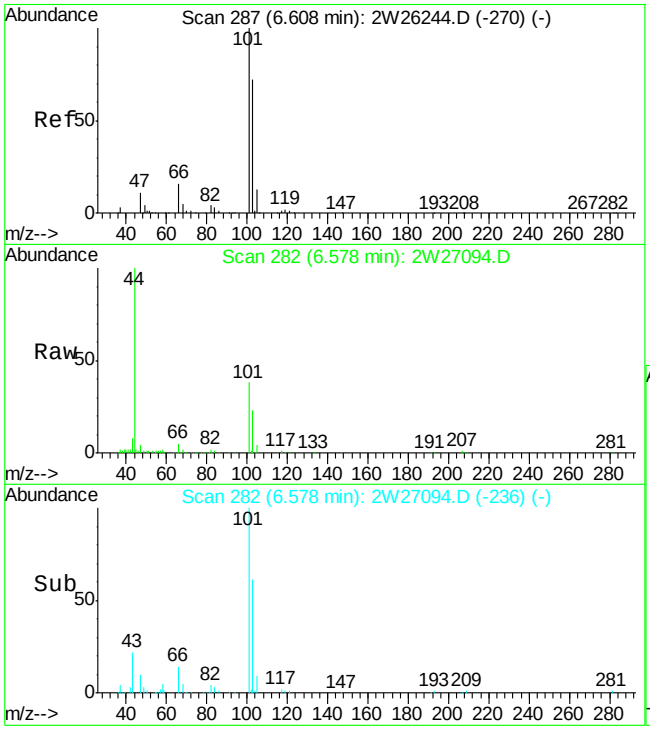


#12
n-BUTANE
Concen: 1.05 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 43 Resp: 114516

Ion	Ratio	Lower	Upper
43	100		
58	13.1	10.6	15.8
44	0.0	2.3	3.5#

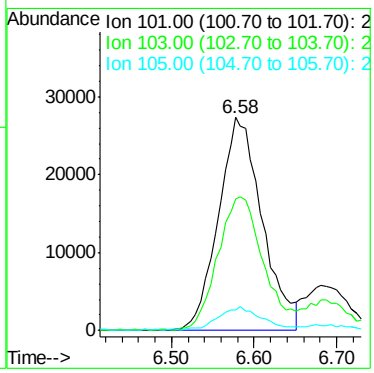


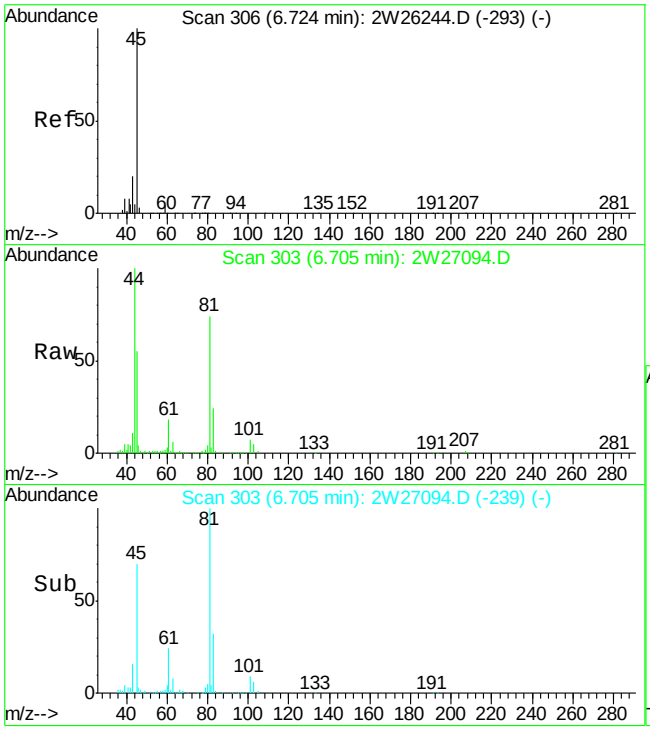


#17
TRICHLOROFLUOROMETHANE
Concen: 0.87 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:101 Resp: 101323

Ion	Ratio	Lower	Upper
101	100		
103	67.5	46.7	86.7
105	11.4	0.0	31.2

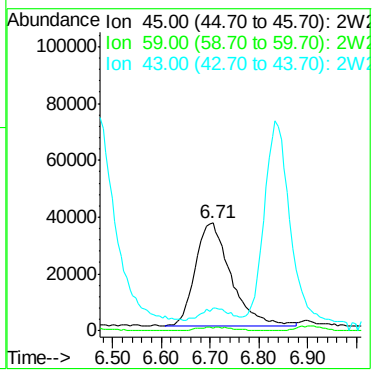


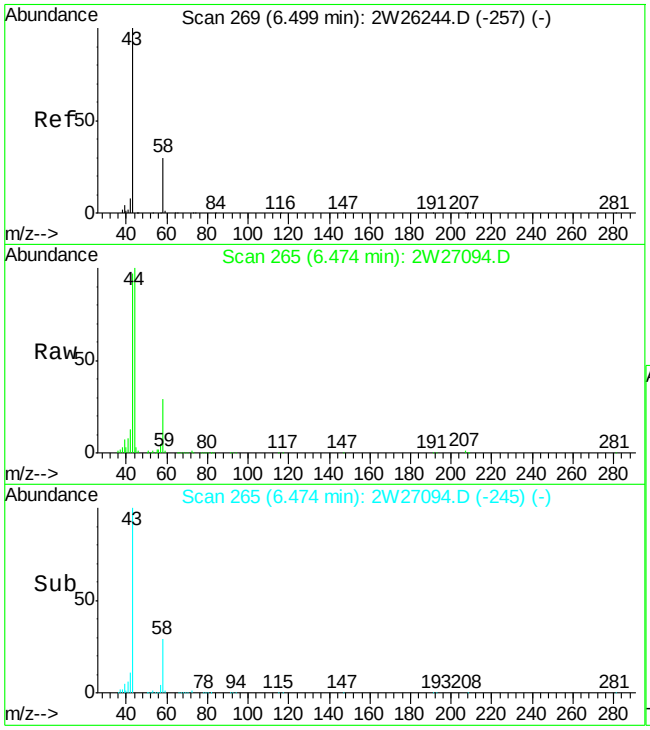


#18
ISOPROPYL ALCOHOL
Concen: 2.17 PPBV
RT: 6.71 min Scan# 303
Delta R.T. 0.04 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 45 Resp: 184864

Ion	Ratio	Lower	Upper
45	100		
59	2.8	0.0	24.1
43	20.7	0.2	40.2

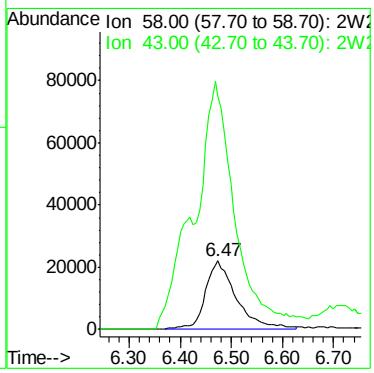




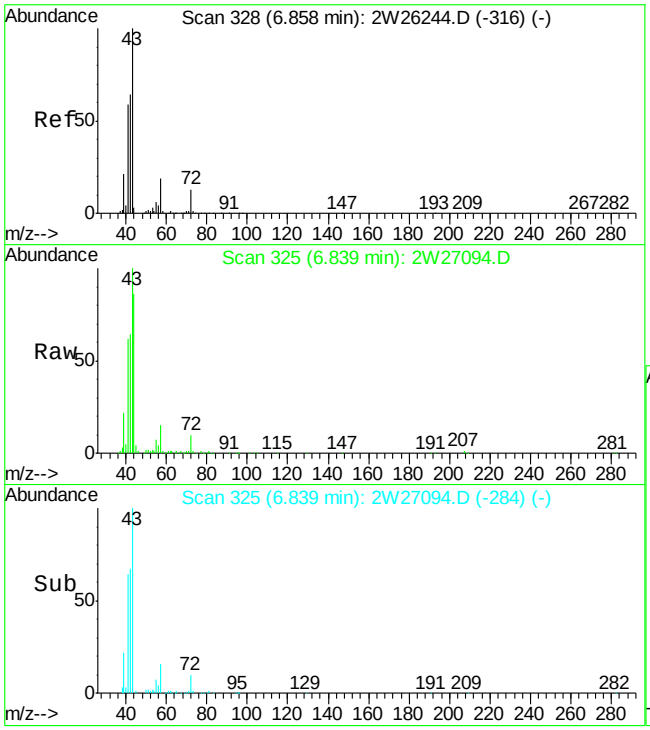
#19
ACETONE
Concen: 3.82 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 58 Resp: 89536

Ion	Ratio	Lower	Upper
58	100		
43	323.8	315.8	355.8



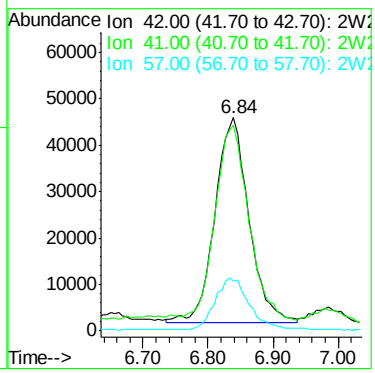
ACCUTEST Laboratories JA45062

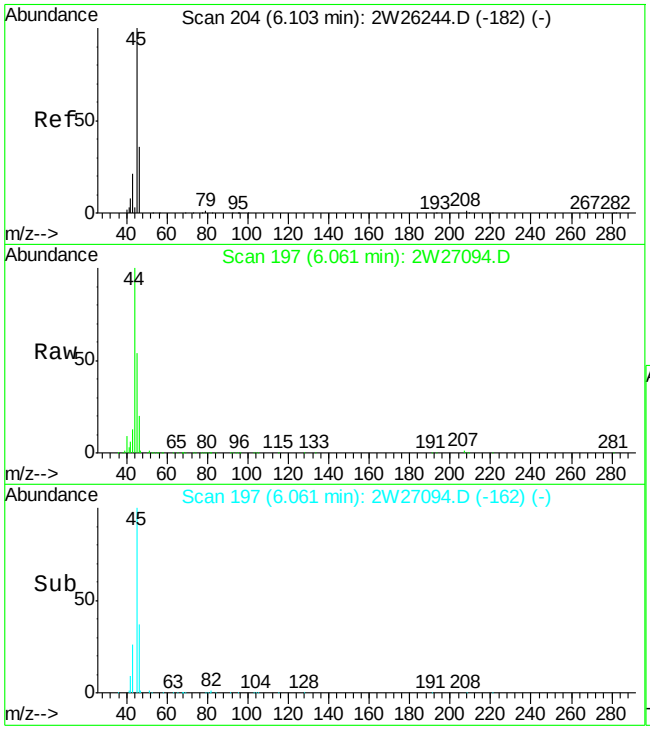


#20
PENTANE
Concen: 2.63 PPBV
RT: 6.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 42 Resp: 161501

Ion	Ratio	Lower	Upper
42	100		
41	97.9	67.5	107.5
57	25.4	6.1	46.1

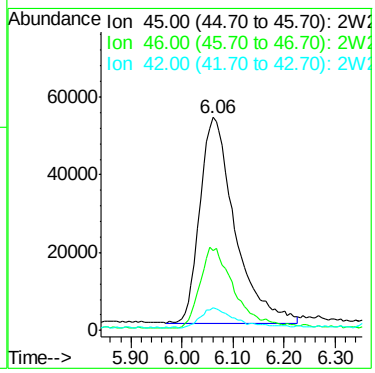


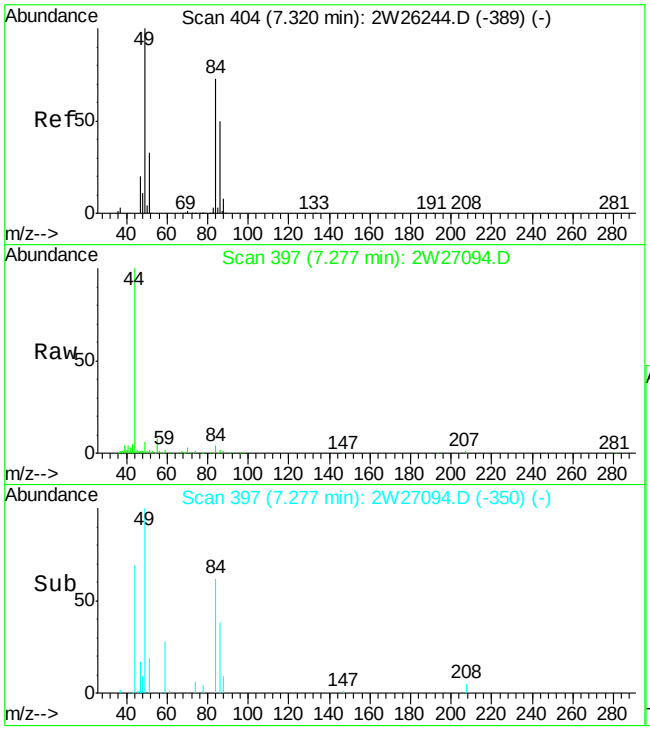


#25
ETHANOL
Concen: 10.63 PPBV
RT: 6.06 min Scan# 197
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 45 Resp: 251434

Ion	Ratio	Lower	Upper
45	100		
46	38.5	9.3	69.3
42	9.4	0.0	37.7

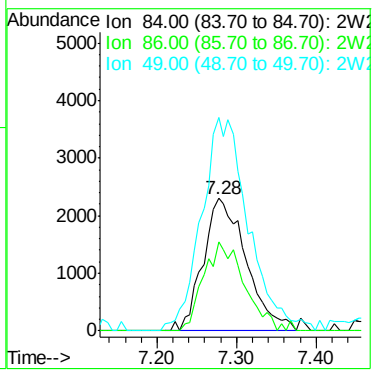


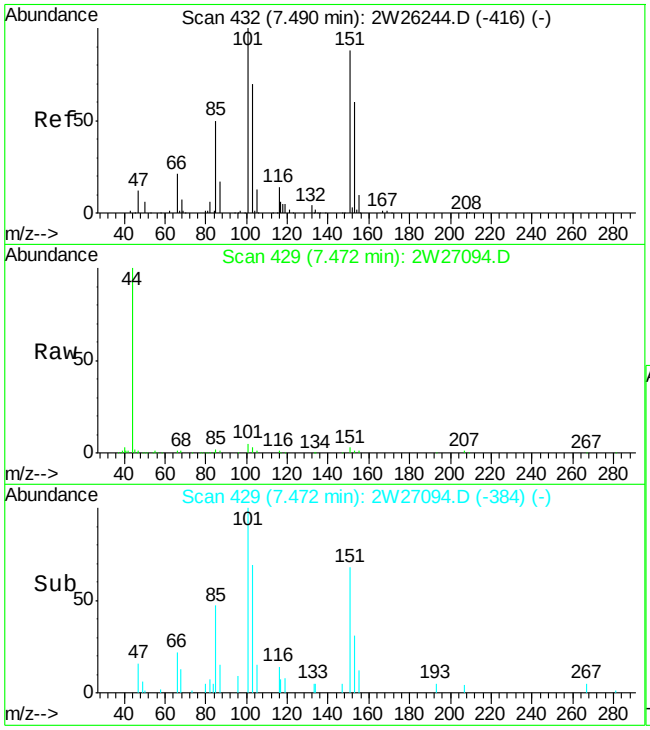


#27
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 84 Resp: 8656

Ion	Ratio	Lower	Upper
84	100		
86	63.4	44.9	84.9
49	174.8	0.0	360.7

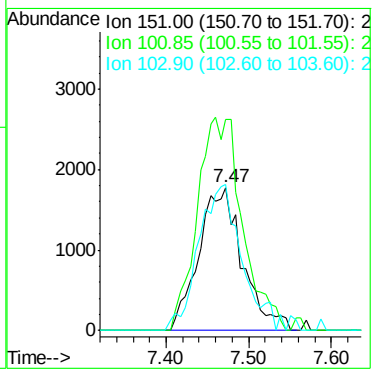




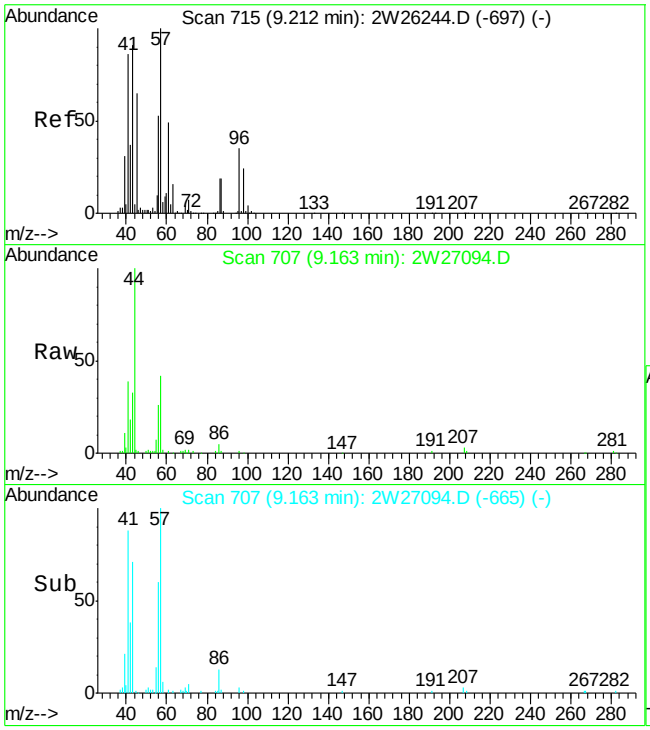
#29
FREON 113
Concen: 0.11 PPBV
RT: 7.47 min Scan# 429
Delta R.T. 0.02 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:151 Resp: 6556

Ion	Ratio	Lower	Upper
151	100		
101	153.8	124.8	164.8
103	100.9	75.2	115.2



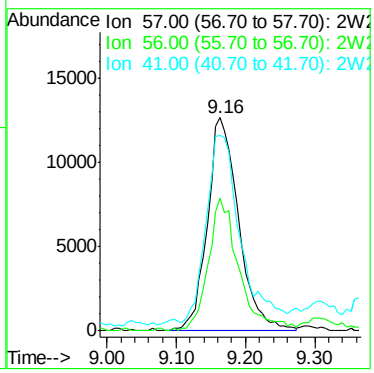
ACCUTEST Laboratories JA45062

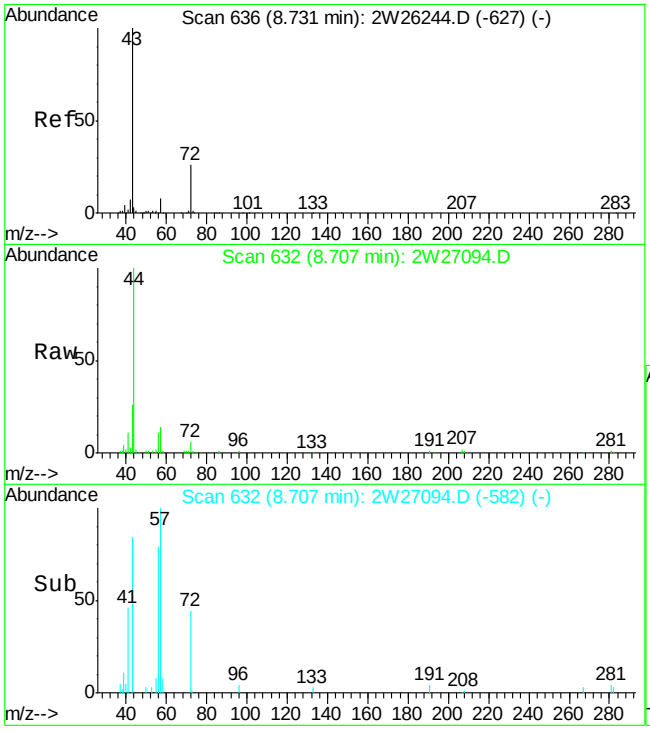


#34
HEXANE
Concen: 0.50 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 57 Resp: 39846

Ion	Ratio	Lower	Upper
57	100		
56	61.0	32.4	72.4
41	95.5	77.6	117.6

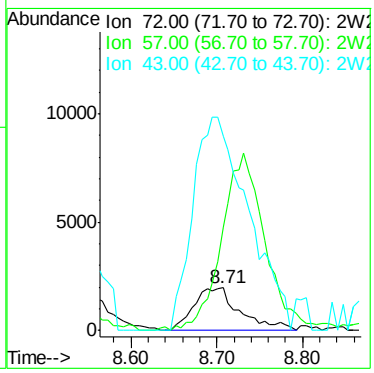


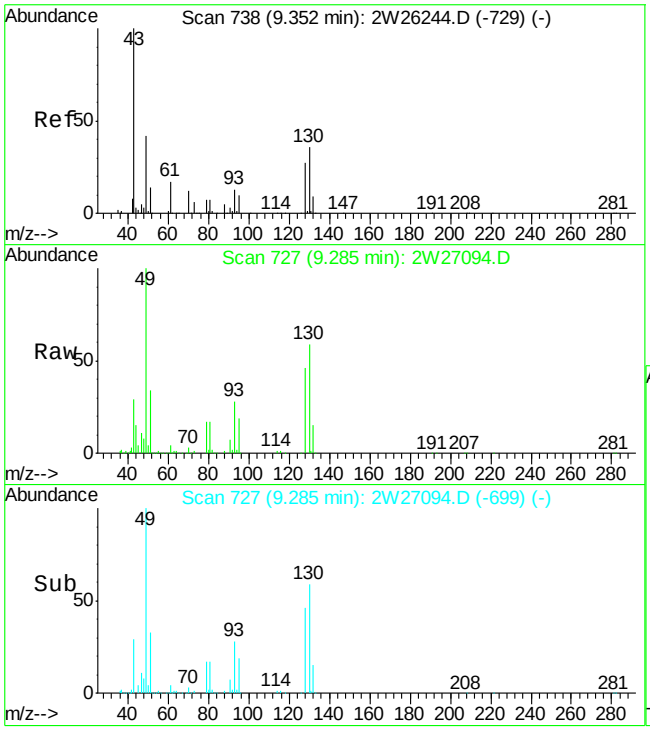


#37
METHYL ETHYL KETONE
Concen: 0.35 PPBV
RT: 8.71 min Scan# 632
Delta R.T. 0.05 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 72 Resp: 7450

Ion	Ratio	Lower	Upper
72	100		
57	240.8	13.8	53.8#
43	451.9	389.3	429.3#

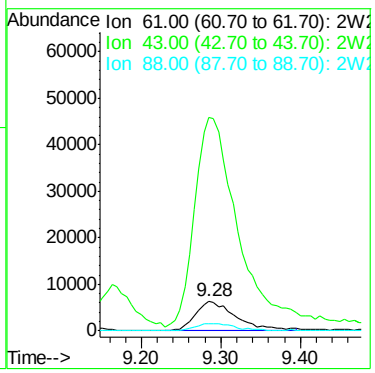


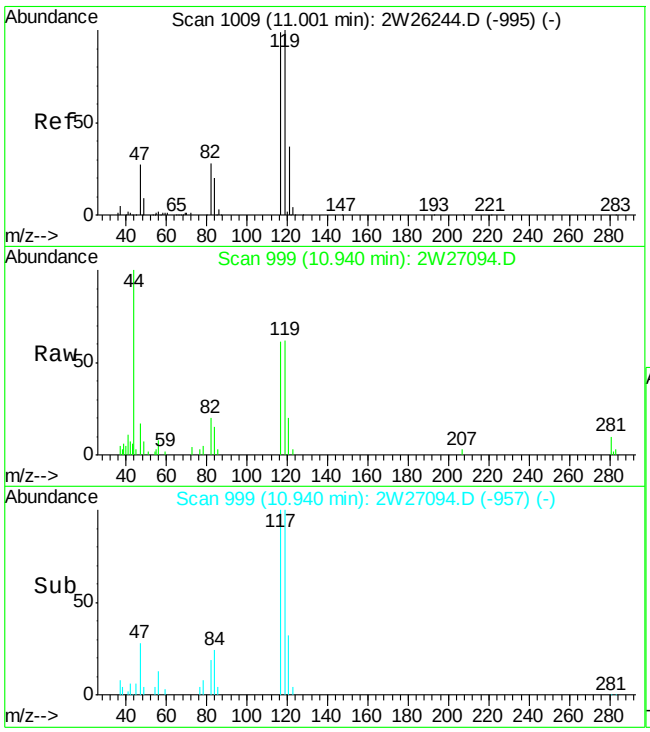


#39
ETHYL ACETATE
Concen: 1.67 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 61 Resp: 22781

Ion	Ratio	Lower	Upper
61	100		
43	735.7	606.5	646.5#
88	24.9	4.8	44.8

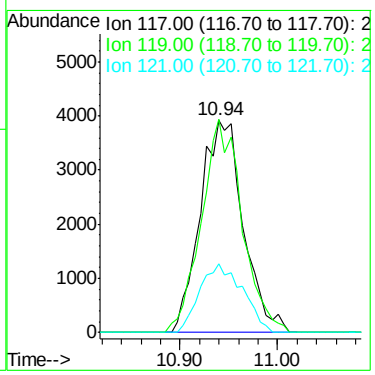


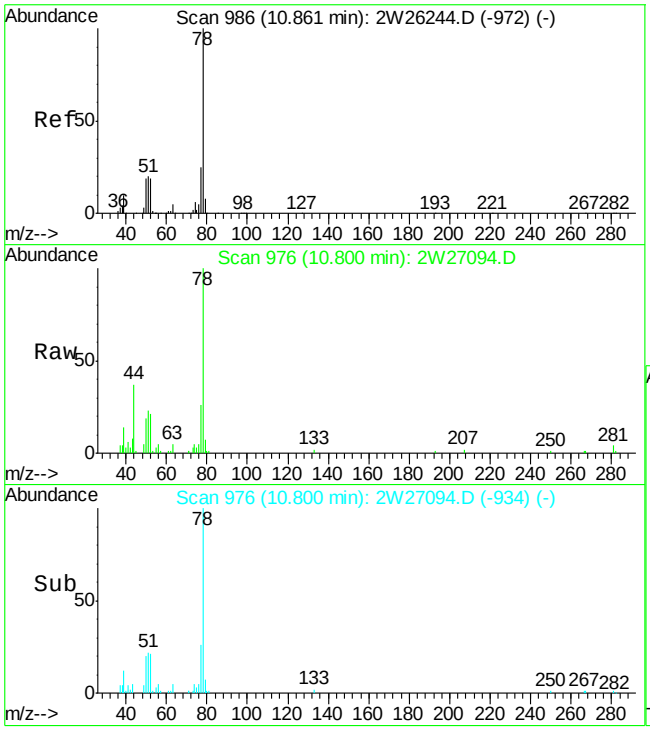


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:117 Resp: 12015

Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.0	118.0
121	32.1	12.8	52.8

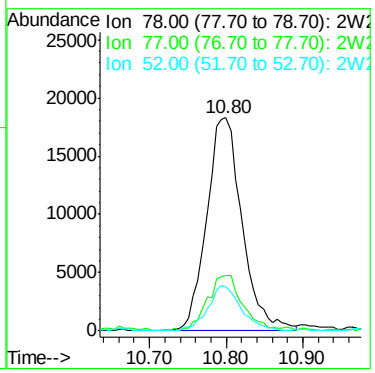


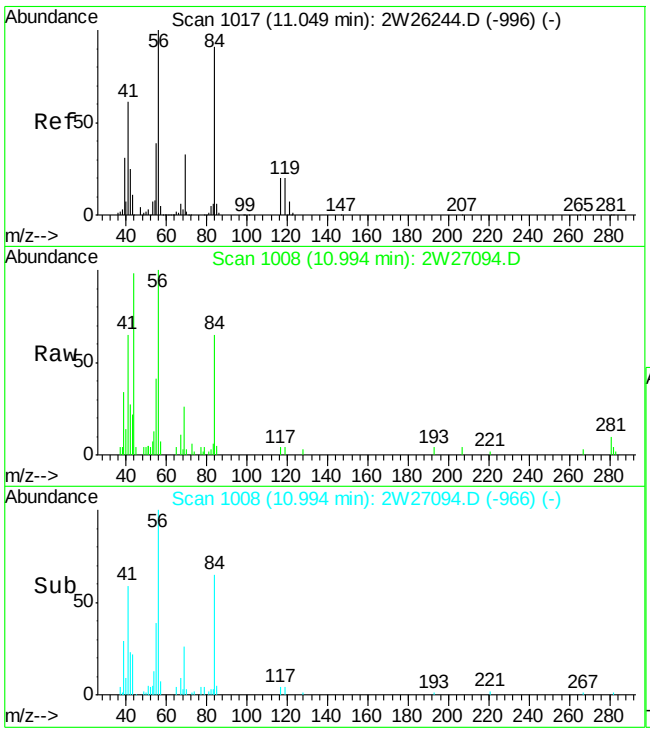


#46
BENZENE
Concen: 0.40 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 78 Resp: 58525

Ion	Ratio	Lower	Upper
78	100		
77	26.3	4.9	44.9
52	19.9	0.0	37.9

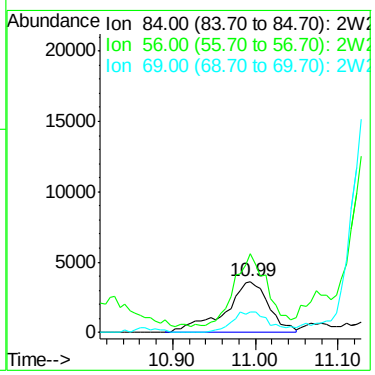


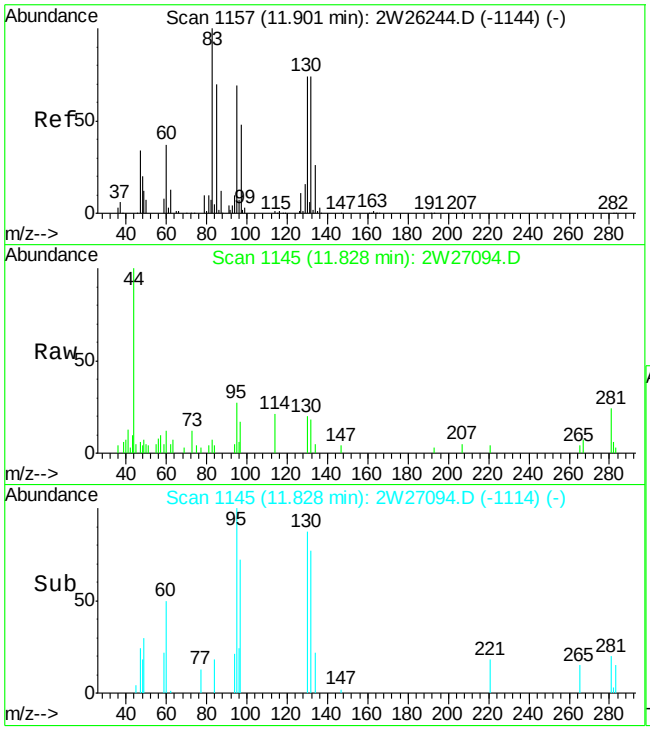


#47
CYCLOHEXANE
Concen: 0.17 PPBV
RT: 10.99 min Scan# 1008
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 84 Resp: 13433

Ion	Ratio	Lower	Upper
84	100		
56	109.5	79.5	119.5
69	36.2	10.7	50.7

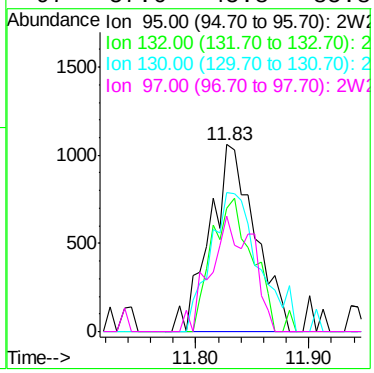


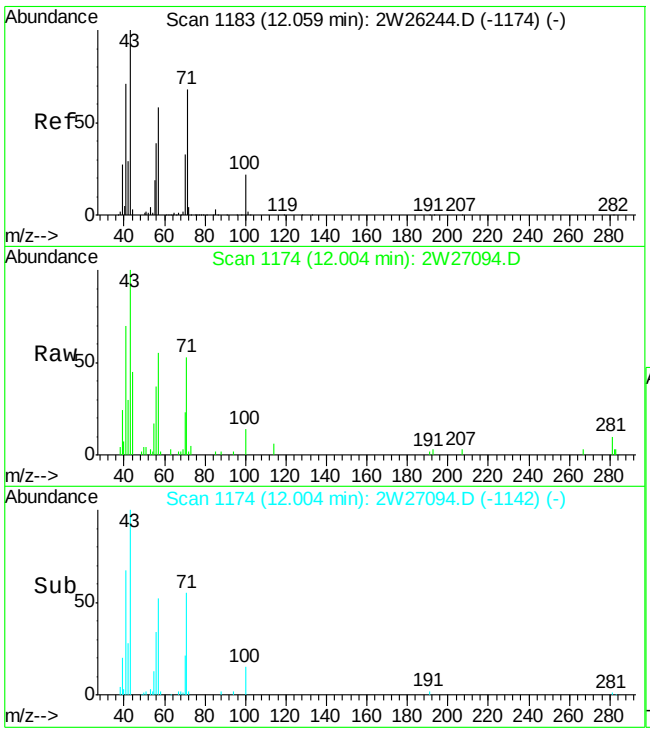


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 95 Resp: 2932

Ion	Ratio	Lower	Upper
95	100		
132	63.8	72.7	112.7#
130	80.0	75.6	115.6
97	57.6	45.8	85.8

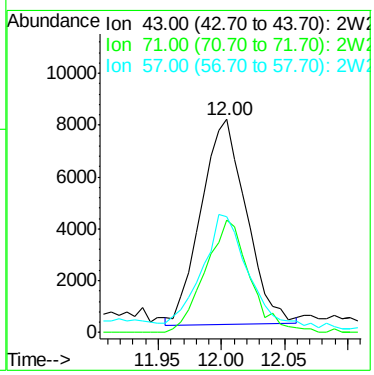




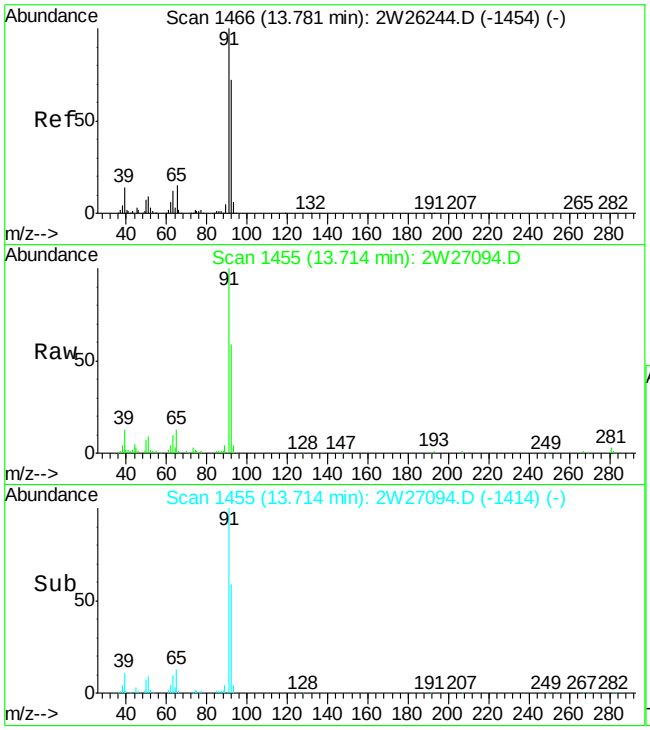
#55
HEPTANE
Concen: 0.22 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 43 Resp: 19716

Ion	Ratio	Lower	Upper
43	100		
71	54.0	41.4	81.4
57	64.9	36.9	76.9



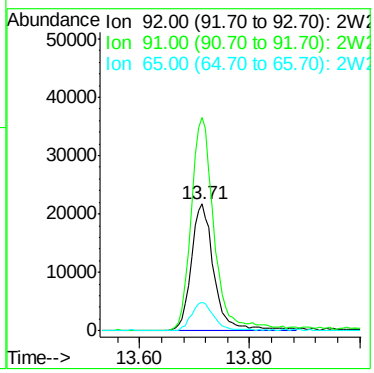
ACCUTEST Laboratories JA45062

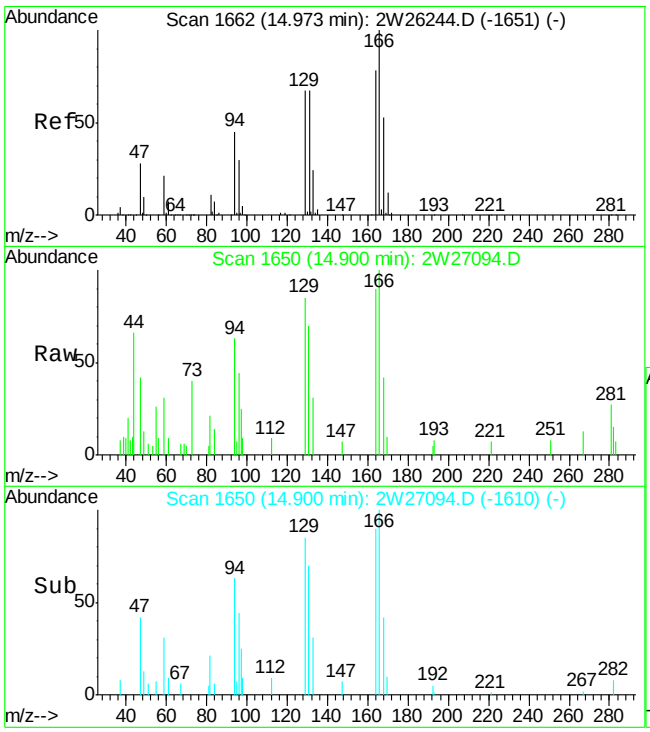


#59
TOLUENE
Concen: 0.71 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 92 Resp: 62260

Ion	Ratio	Lower	Upper
92	100		
91	173.2	136.6	176.6
65	22.9	0.9	40.9

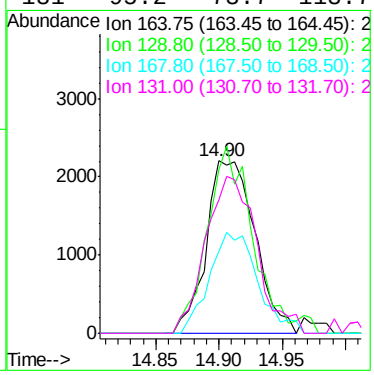


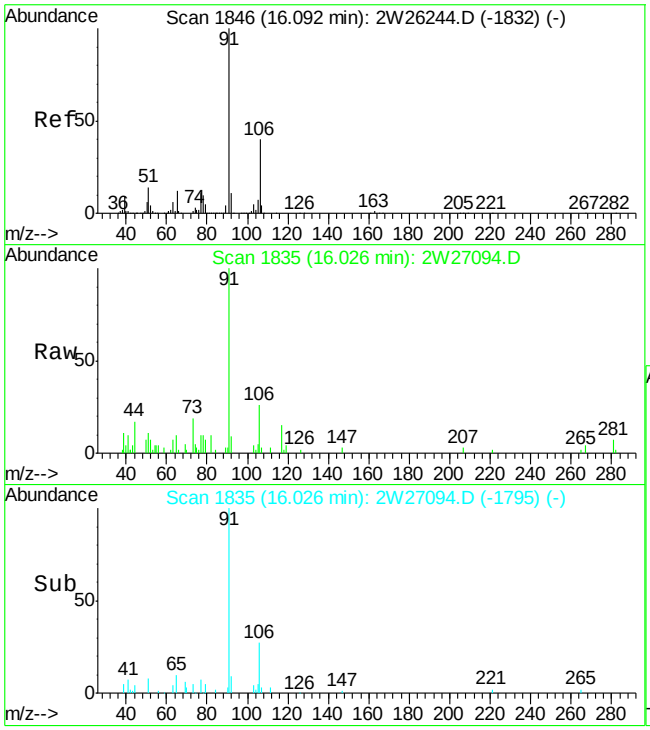


#64
TETRACHLOROETHYLENE
Concen: 0.11 PPBV
RT: 14.90 min Scan# 1650
Delta R.T. -0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:164 Resp: 5902

Ion	Ratio	Lower	Upper
164	100		
129	103.3	76.6	116.6
168	57.8	44.5	84.5
131	95.2	73.7	113.7

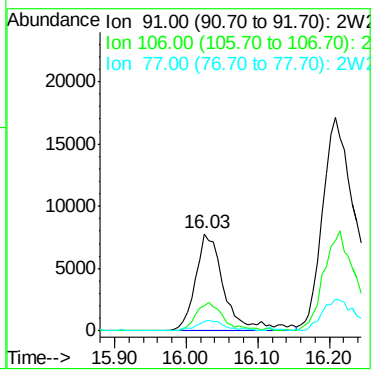


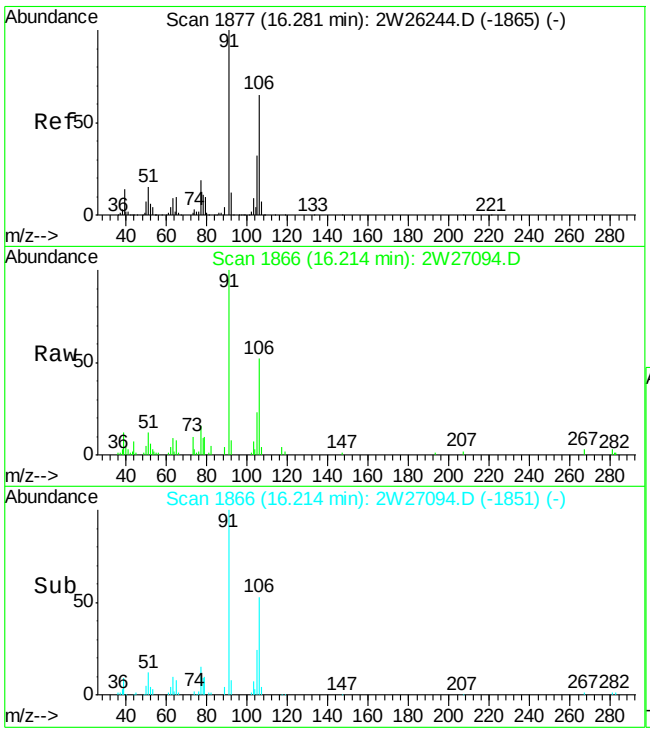


#70
ETHYLBENZENE
Concen: 0.13 PPBV
RT: 16.03 min Scan# 1835
Delta R.T. -0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion: 91 Resp: 21802

Ion	Ratio	Lower	Upper
91	100		
106	27.2	13.5	53.5
77	10.9	0.0	29.7

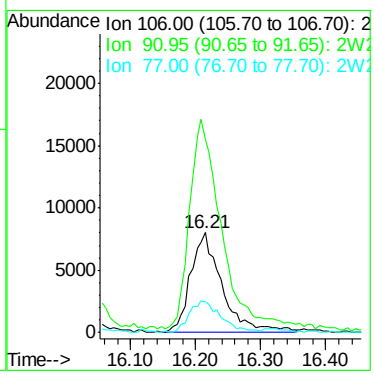




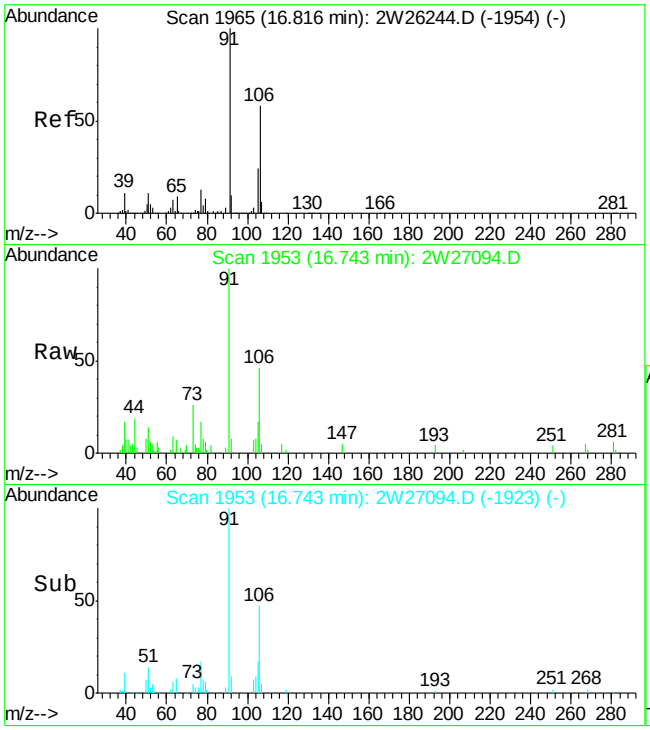
#71
m,p-XYLENE
Concen: 0.43 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:106 Resp: 26959

Ion	Ratio	Lower	Upper
106	100		
91	193.3	138.6	207.8
77	30.4	23.5	35.3



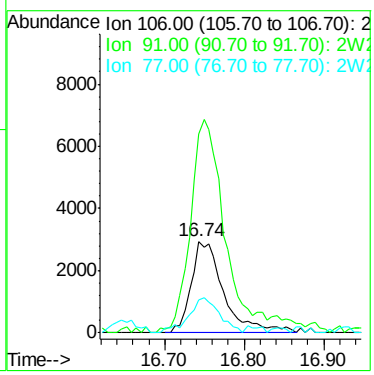
ACCUTEST Laboratories JA45062

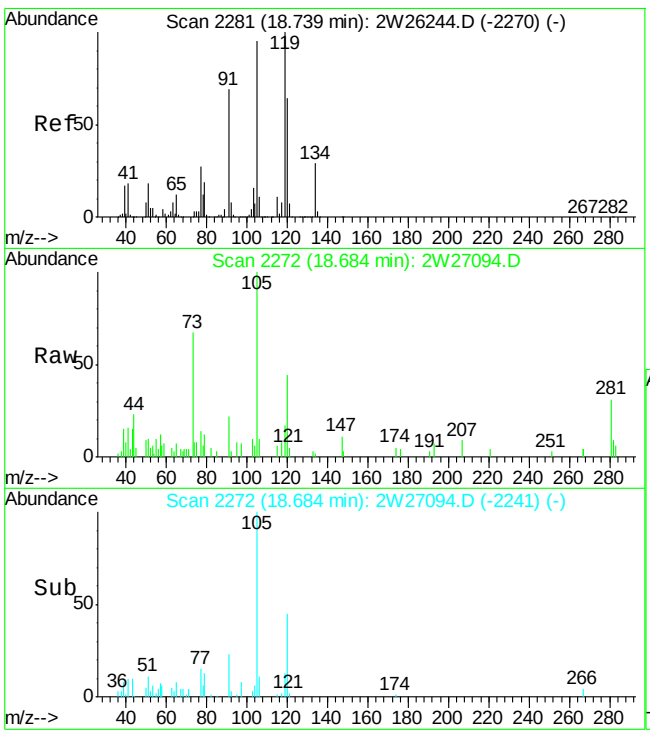


#72
o-XYLENE
Concen: 0.13 PPBV
RT: 16.74 min Scan# 1953
Delta R.T. -0.01 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:106 Resp: 8400

Ion	Ratio	Lower	Upper
106	100		
91	254.2	181.1	221.1#
77	35.9	7.9	47.9

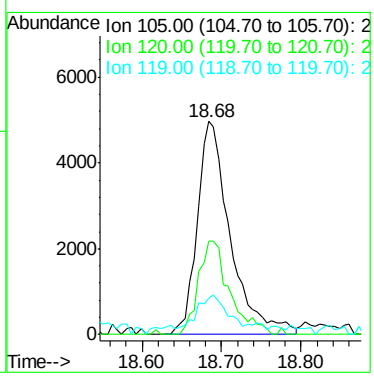




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.15 PPBV
RT: 18.68 min Scan# 2272
Delta R.T. -0.00 min
Lab File: 2W27094.D
Acq: 4 May 2010 8:57 pm

Tgt Ion:105 Resp: 14289

Ion	Ratio	Lower	Upper
105	100		
120	41.3	41.5	81.5#
119	19.3	102.3	142.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27096.D Vial: 7
Acq On : 4 May 2010 10:23 pm Operator: yunxiac
Sample : ja45062-14 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:49 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

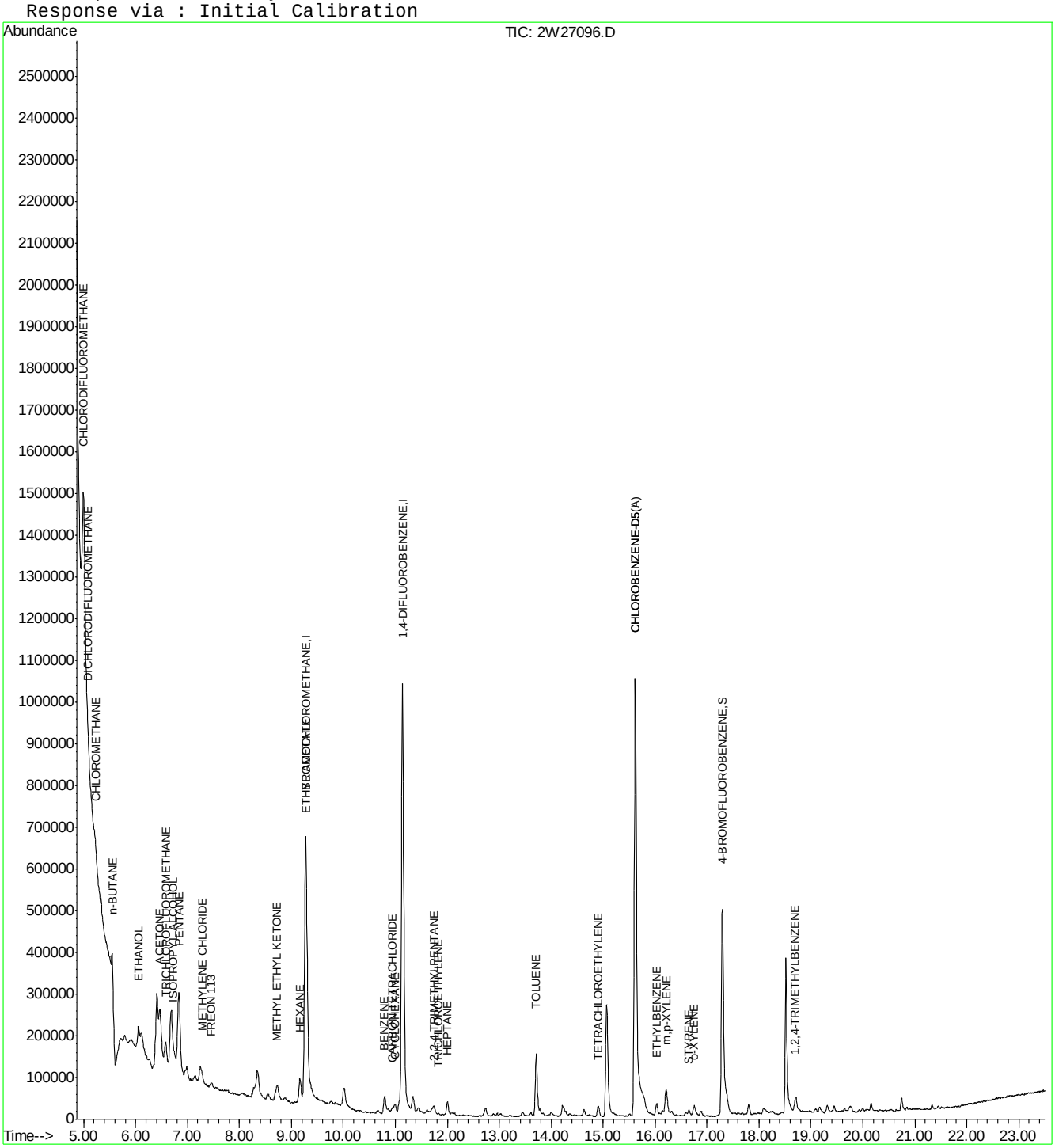
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	268040	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1269392	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	672104	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	671081	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	313711	4.49	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	98288	0.80	PPBV	#	93
5) CHLORODIFLUOROMETHANE	5.00	67	249556	17.74	PPBV		96
9) CHLOROMETHANE	5.24	52	13884	0.68	PPBV	#	83
12) n-BUTANE	5.56	43	115714	1.19	PPBV	#	97
17) TRICHLOROFLUOROMETHANE	6.58	101	118691	1.14	PPBV		97
18) ISOPROPYL ALCOHOL	6.74	45	178532	2.34	PPBV		90
19) ACETONE	6.47	58	105916	5.06	PPBV	#	88
20) PENTANE	6.83	42	162178	2.96	PPBV		98
25) ETHANOL	6.07	45	223354	10.56	PPBV		97
27) METHYLENE CHLORIDE	7.29	84	10943	0.29	PPBV		89
29) FREON 113	7.46	151	6320	0.12	PPBV		86
34) HEXANE	9.17	57	41720	0.58	PPBV		94
37) METHYL ETHYL KETONE	8.71	72	8450	0.44	PPBV	#	53
39) ETHYL ACETATE	9.29	61	19327	1.59	PPBV	#	51
43) CARBON TETRACHLORIDE	10.95	117	12438	0.14	PPBV		97
46) BENZENE	10.79	78	58756	0.44	PPBV		98
47) CYCLOHEXANE	11.00	84	13463	0.19	PPBV		89
49) TRICHLOROETHYLENE	11.83	95	2140	0.04	PPBV	#	85
52) 2,2,4-TRIMETHYLPENTANE	11.73	57	24356	0.11	PPBV	#	58
55) HEPTANE	12.00	43	20242	0.25	PPBV		92
59) TOLUENE	13.71	92	101716	1.27	PPBV		91
64) TETRACHLOROETHYLENE	14.91	164	6800	0.14	PPBV		93
70) ETHYLBENZENE	16.03	91	27684	0.18	PPBV		90
71) m,p-XYLENE	16.21	106	35279	0.61	PPBV	#	75
72) o-XYLENE	16.76	106	10359	0.17	PPBV	#	80
73) STYRENE	16.65	104	6778	0.11	PPBV		89
84) 1,2,4-TRIMETHYLBENZENE	18.69	105	13654	0.15	PPBV	#	32

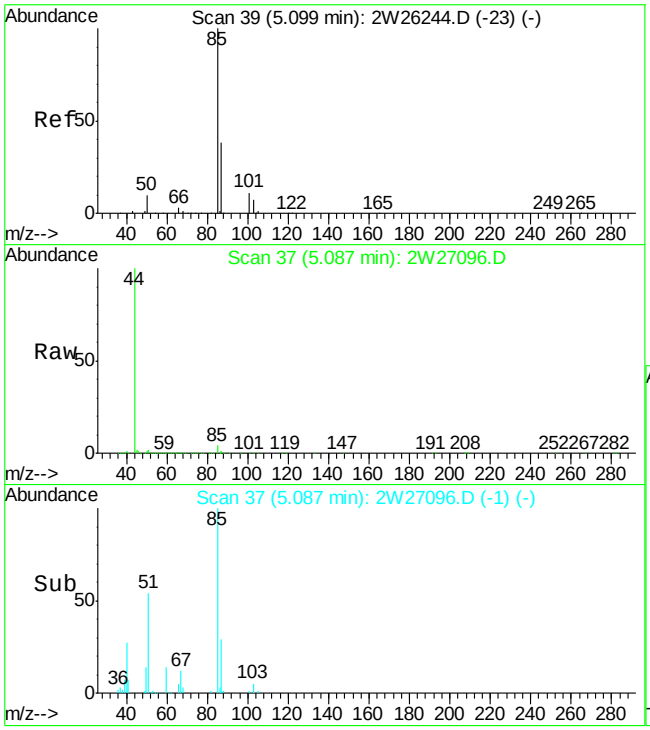
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27096.D Vial: 7
Acq On : 4 May 2010 10:23 pm Operator: yunxiac
Sample : ja45062-14 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:38 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

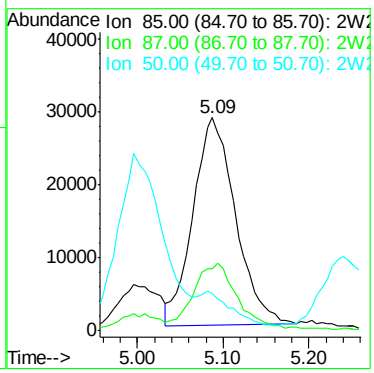


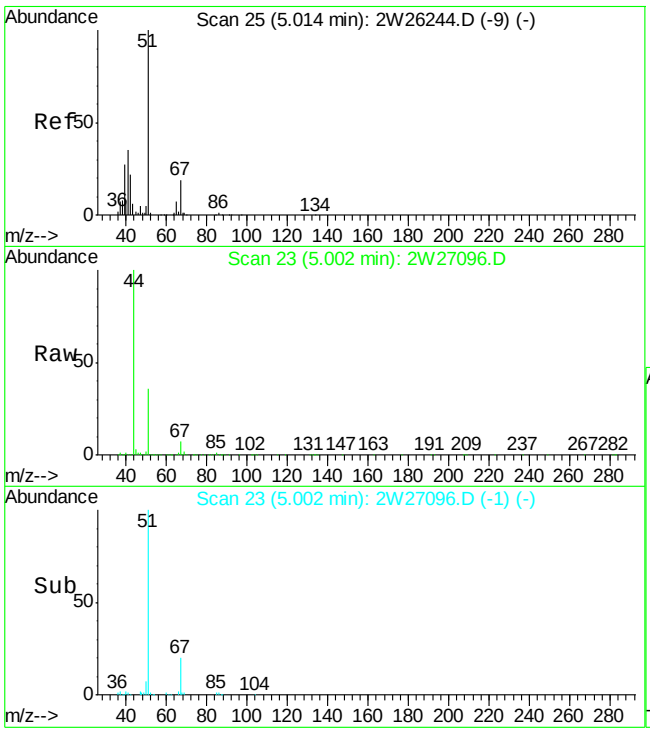


#3
DICHLORODIFLUOROMETHANE
Concen: 0.80 PPBV
RT: 5.09 min Scan# 37
Delta R.T. -0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 85 Resp: 98288

Ion	Ratio	Lower	Upper
85	100		
87	34.0	14.2	54.2
50	0.0	0.0	31.0

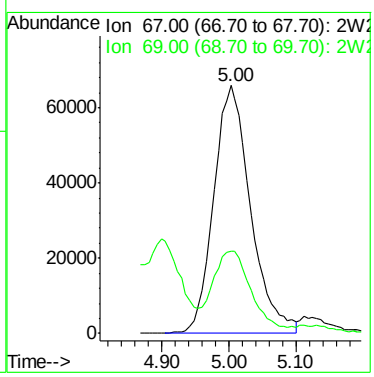


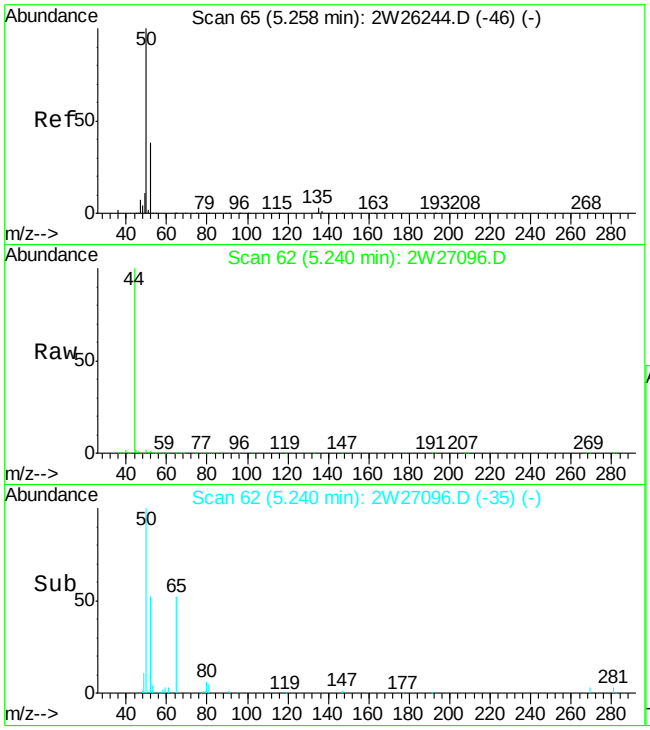


#5
CHLORODIFLUOROMETHANE
Concen: 17.74 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 67 Resp: 249556

Ion	Ratio	Lower	Upper
67	100		
69	31.1	13.6	53.6

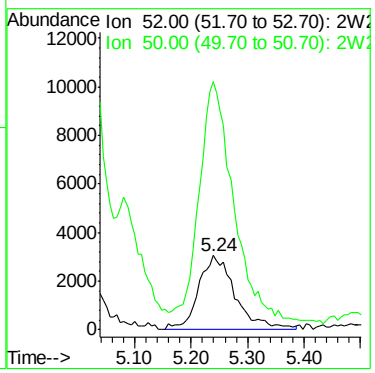


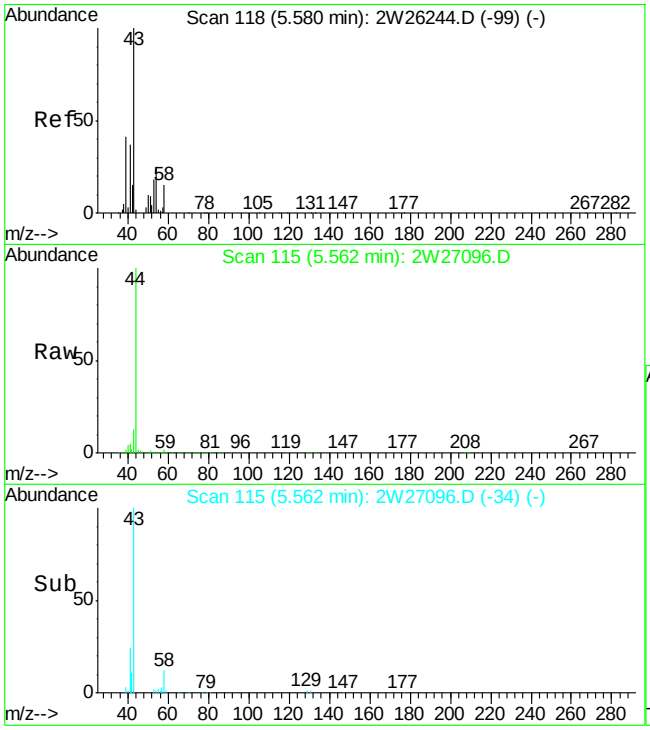


#9
CHLOROMETHANE
Concen: 0.68 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 52 Resp: 13884

Ion	Ratio	Lower	Upper
52	100		
50	321.9	268.7	308.7#

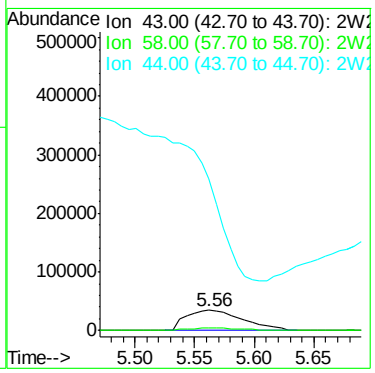


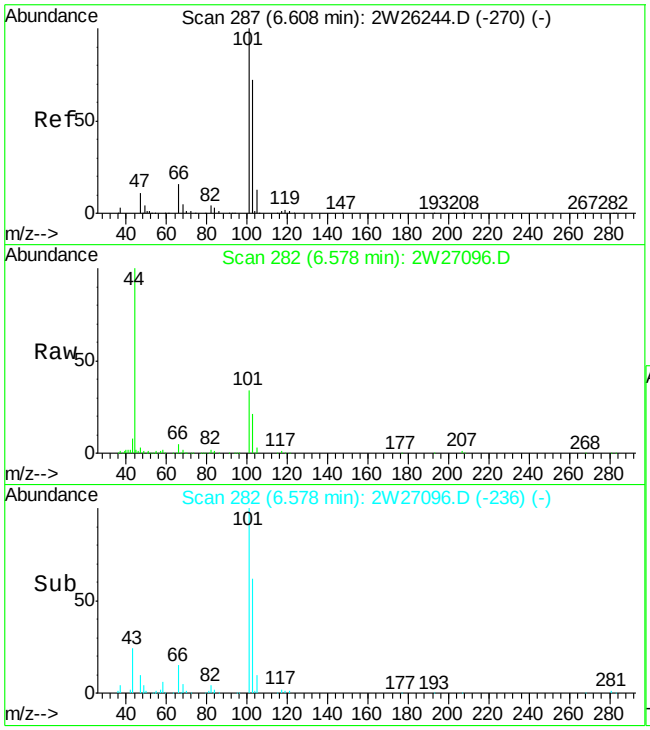


#12
n-BUTANE
Concen: 1.19 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 43 Resp: 115714

Ion	Ratio	Lower	Upper
43	100		
58	14.1	10.6	15.8
44	0.0	2.3	3.5#

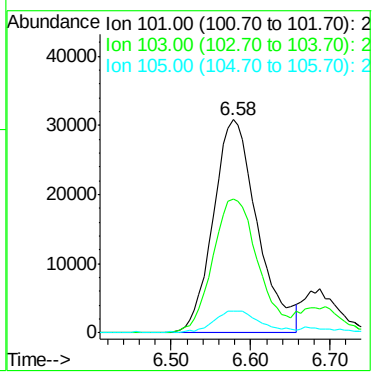


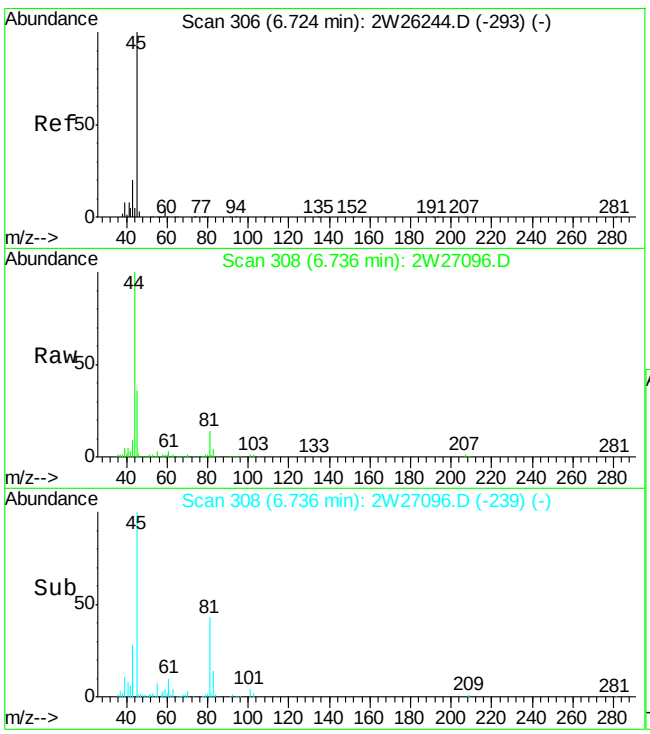


#17
TRICHLOROFLUOROMETHANE
Concen: 1.14 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:101 Resp: 118691

Ion	Ratio	Lower	Upper
101	100		
103	64.4	46.7	86.7
105	10.8	0.0	31.2

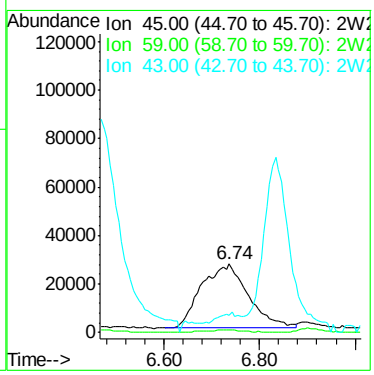


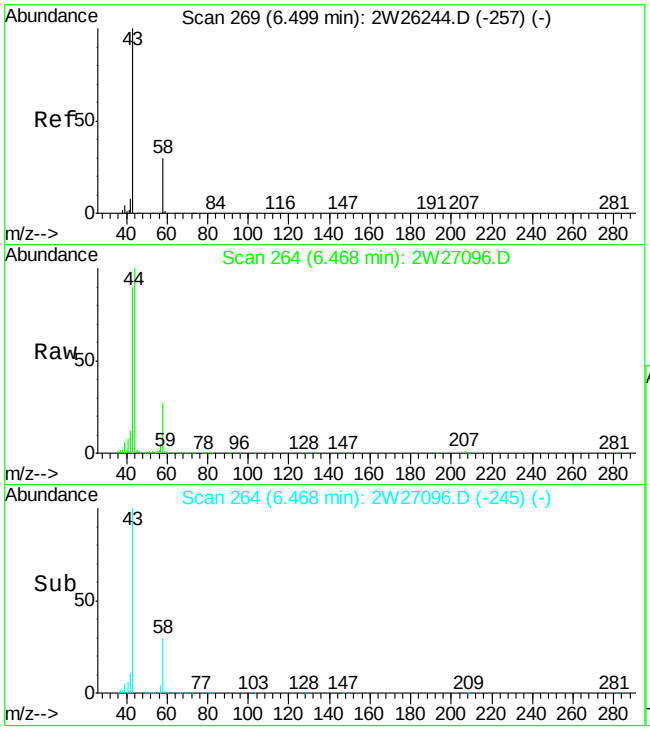


#18
ISOPROPYL ALCOHOL
Concen: 2.34 PPBV
RT: 6.74 min Scan# 308
Delta R.T. 0.07 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 45 Resp: 178532

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.1
43	25.4	0.2	40.2

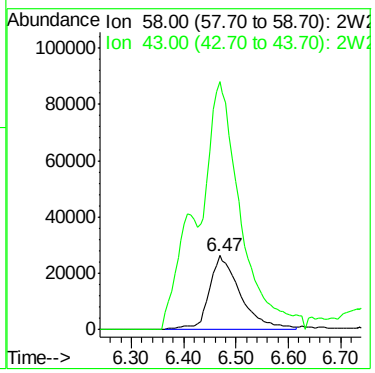


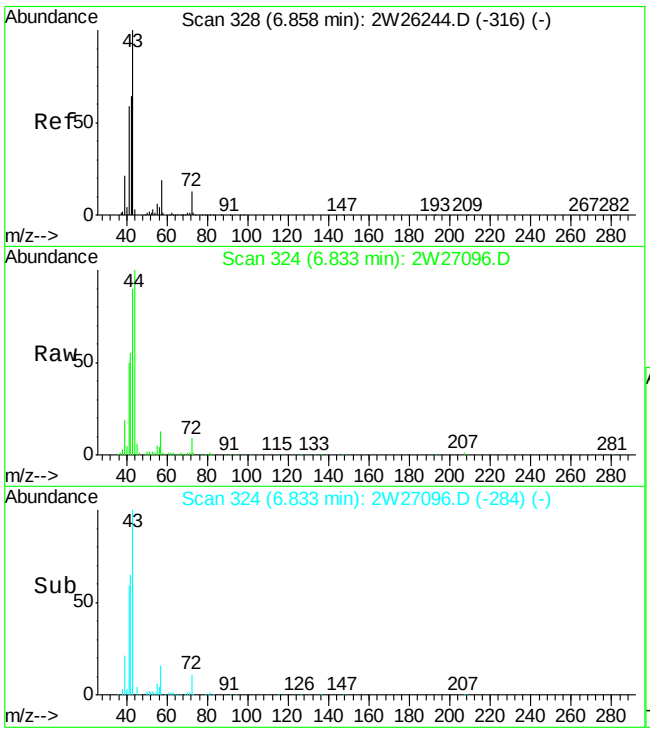


#19
ACETONE
Concen: 5.06 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 58 Resp: 105916

Ion	Ratio	Lower	Upper
58	100		
43	360.5	315.8	355.8#

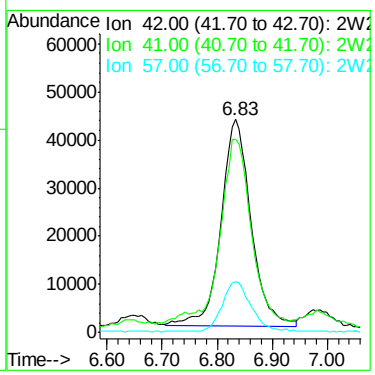


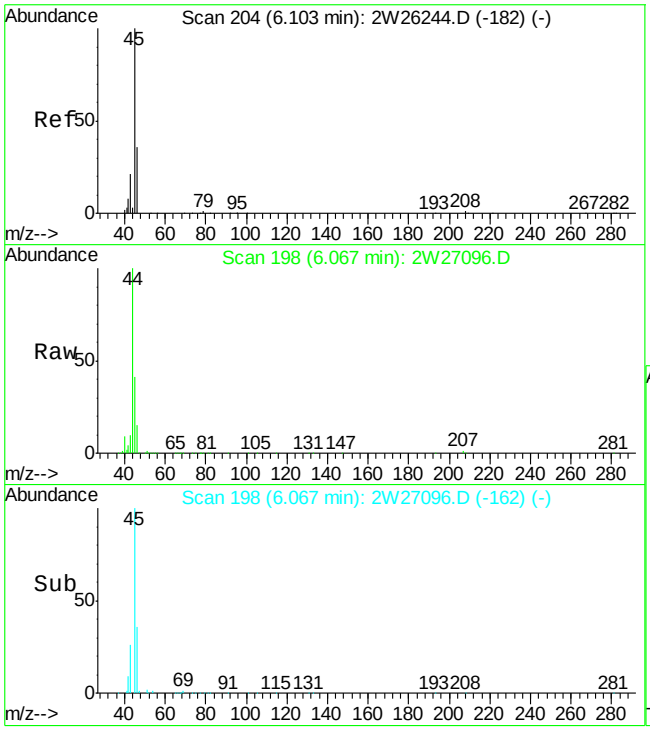


#20
PENTANE
Concen: 2.96 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 42 Resp: 162178

Ion	Ratio	Lower	Upper
42	100		
41	88.9	67.5	107.5
57	23.4	6.1	46.1

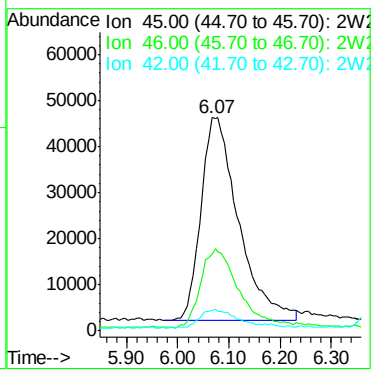


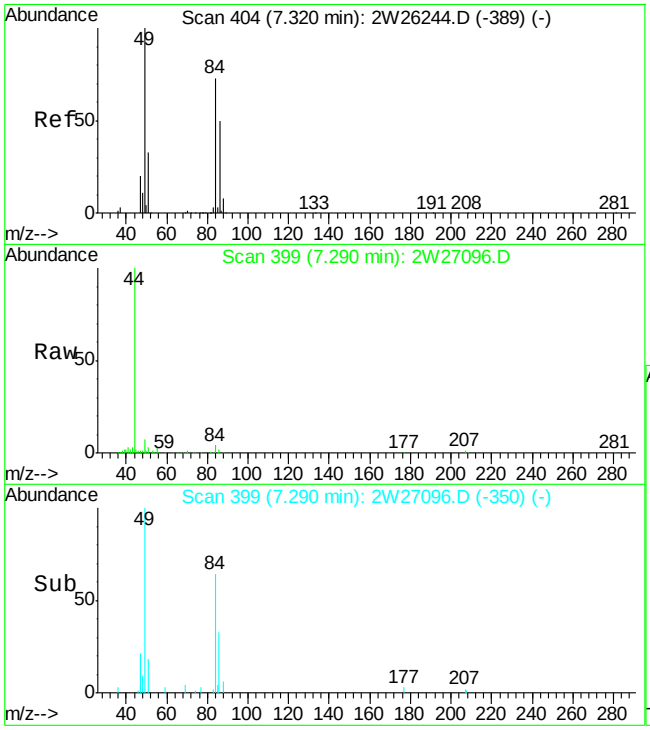


#25
ETHANOL
Concen: 10.56 PPBV
RT: 6.07 min Scan# 198
Delta R.T. 0.02 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 45 Resp: 223354

Ion	Ratio	Lower	Upper
45	100		
46	40.1	9.3	69.3
42	10.7	0.0	37.7

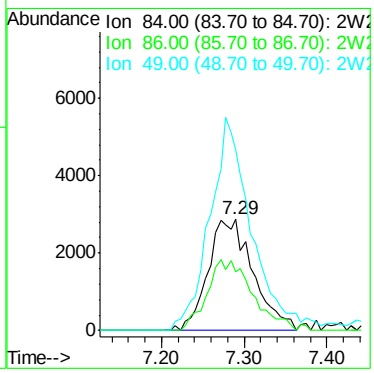


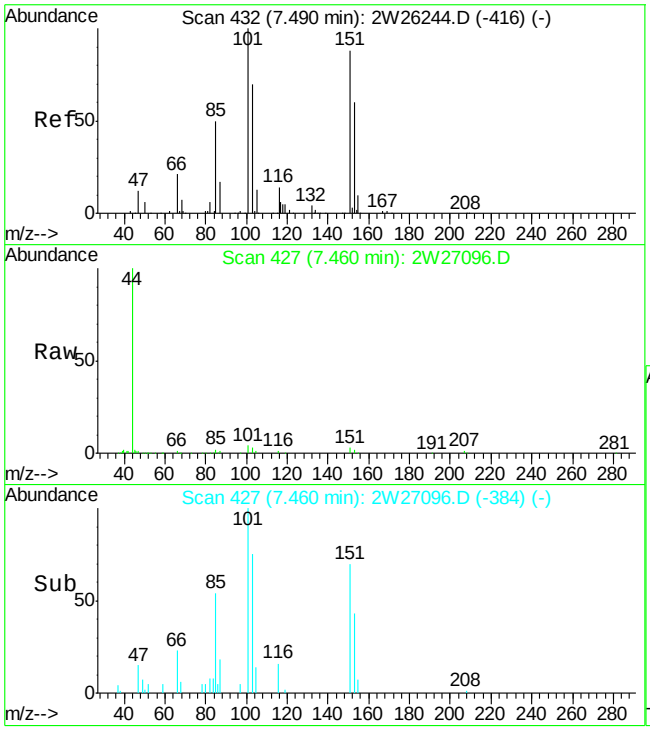


#27
METHYLENE CHLORIDE
Concen: 0.29 PPBV
RT: 7.29 min Scan# 399
Delta R.T. 0.02 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 84 Resp: 10943

Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.9	84.9
49	180.1	0.0	360.7

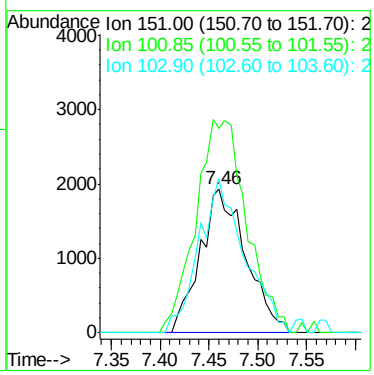


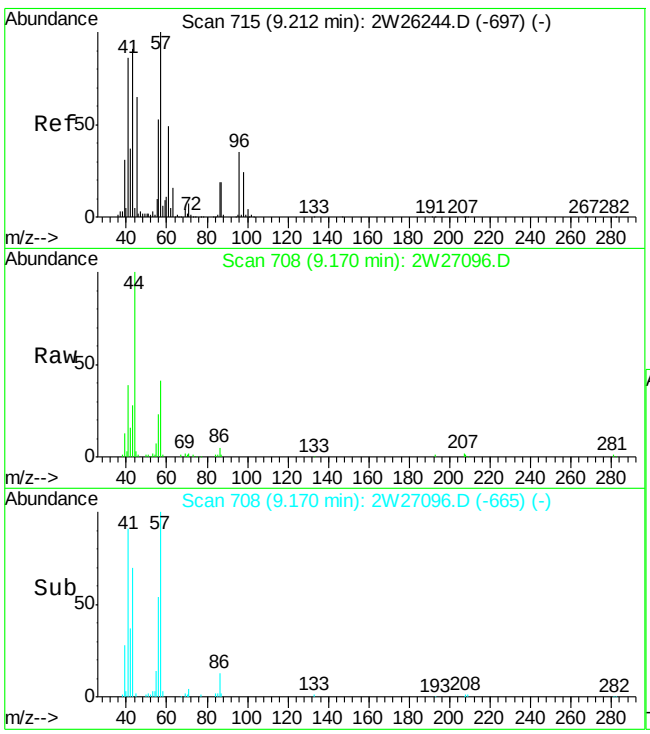


#29
FREON 113
Concen: 0.12 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:151 Resp: 6320

Ion	Ratio	Lower	Upper
151	100		
101	164.1	124.8	164.8
103	106.5	75.2	115.2

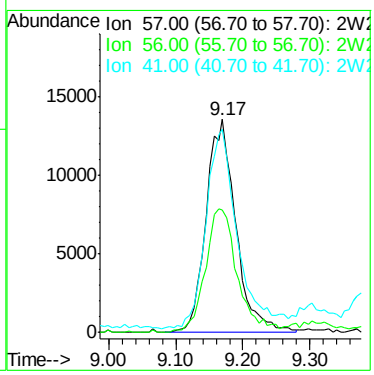


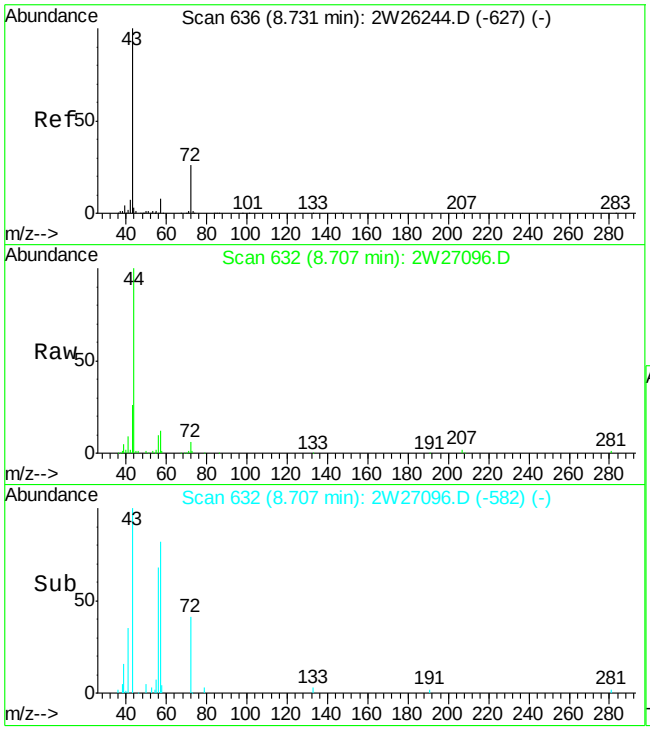


#34
HEXANE
Concen: 0.58 PPBV
RT: 9.17 min Scan# 708
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 57 Resp: 41720

Ion	Ratio	Lower	Upper
57	100		
56	62.3	32.4	72.4
41	99.9	77.6	117.6

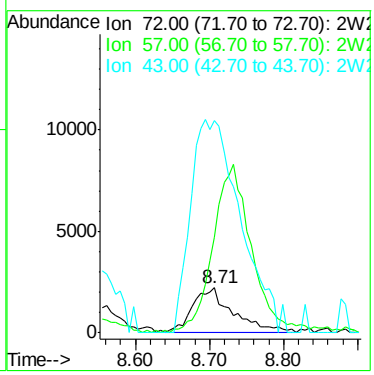


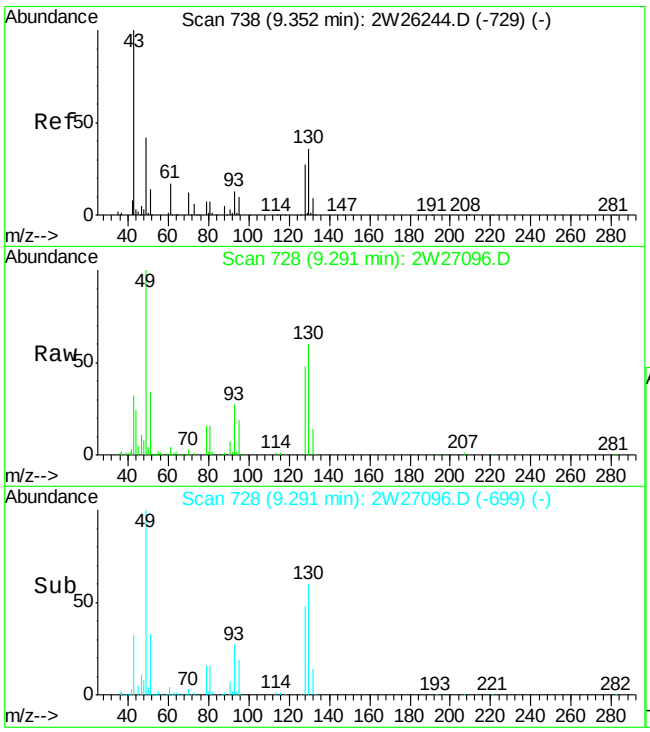


#37
METHYL ETHYL KETONE
Concen: 0.44 PPBV
RT: 8.71 min Scan# 632
Delta R.T. 0.05 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 72 Resp: 8450

Ion	Ratio	Lower	Upper
72	100		
57	210.7	13.8	53.8#
43	469.7	389.3	429.3#

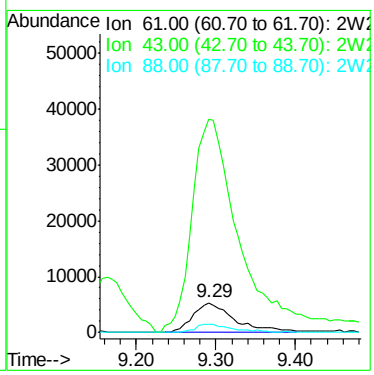




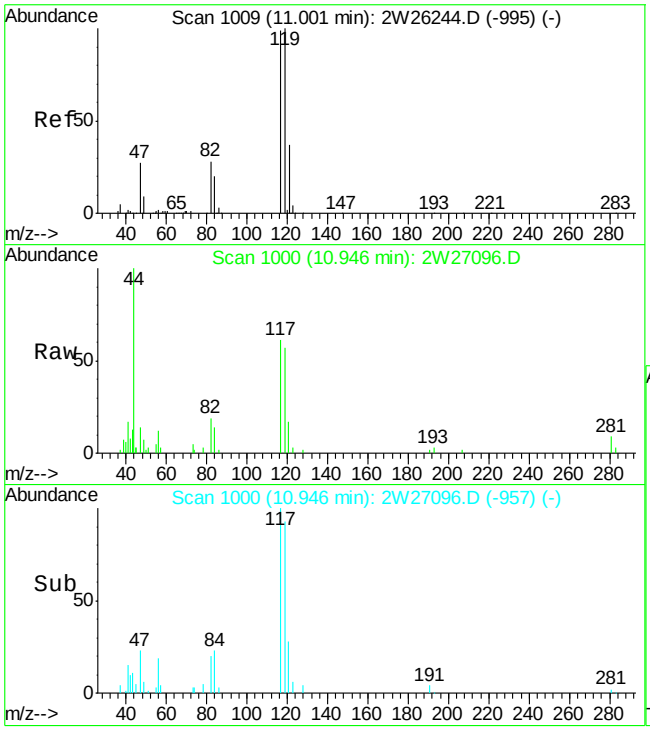
#39
ETHYL ACETATE
Concen: 1.59 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 61 Resp: 19327

Ion	Ratio	Lower	Upper
61	100		
43	790.5	606.5	646.5#
88	25.3	4.8	44.8



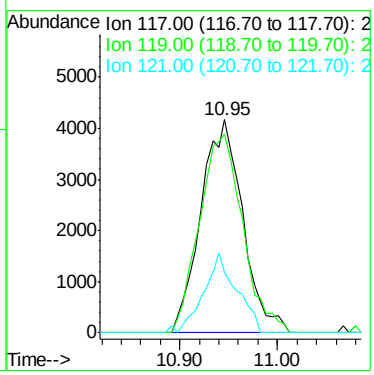
ACCUTEST Laboratories JA45062

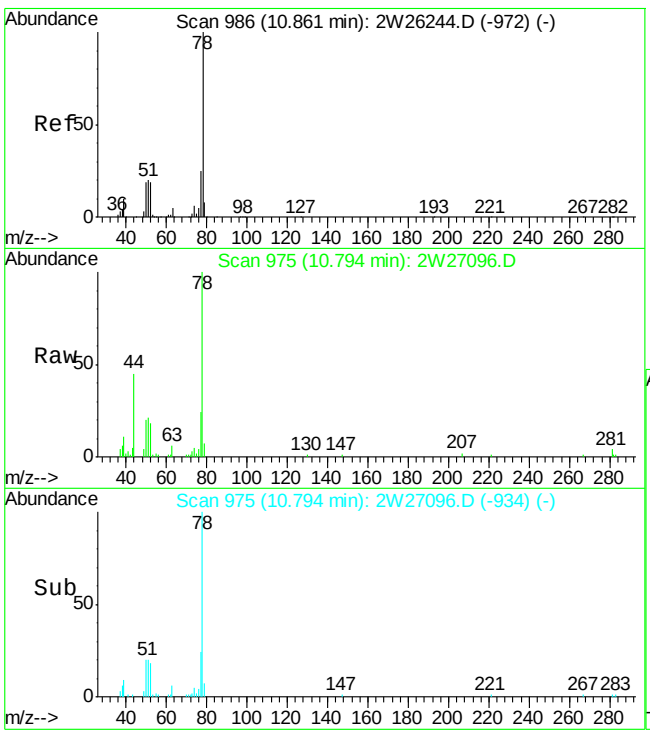


#43
CARBON TETRACHLORIDE
Concen: 0.14 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:117 Resp: 12438

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.0	118.0
121	29.2	12.8	52.8

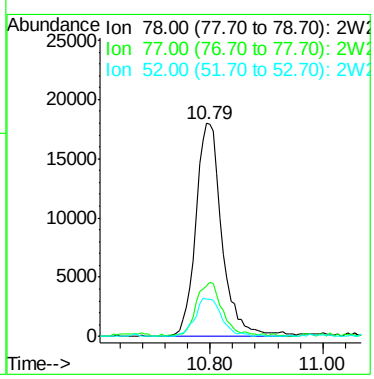


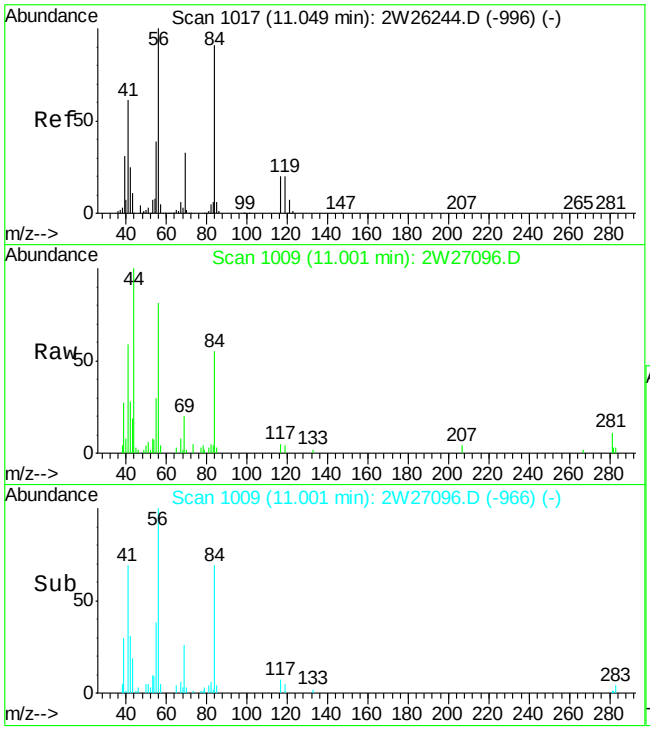


#46
BENZENE
Concen: 0.44 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 78 Resp: 58756

Ion	Ratio	Lower	Upper
78	100		
77	26.1	4.9	44.9
52	18.2	0.0	37.9

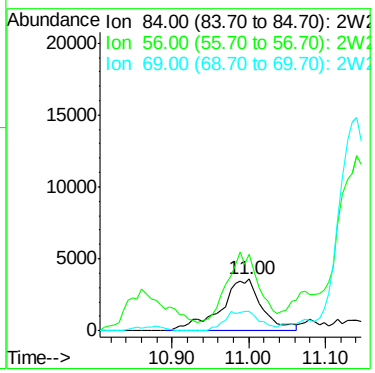


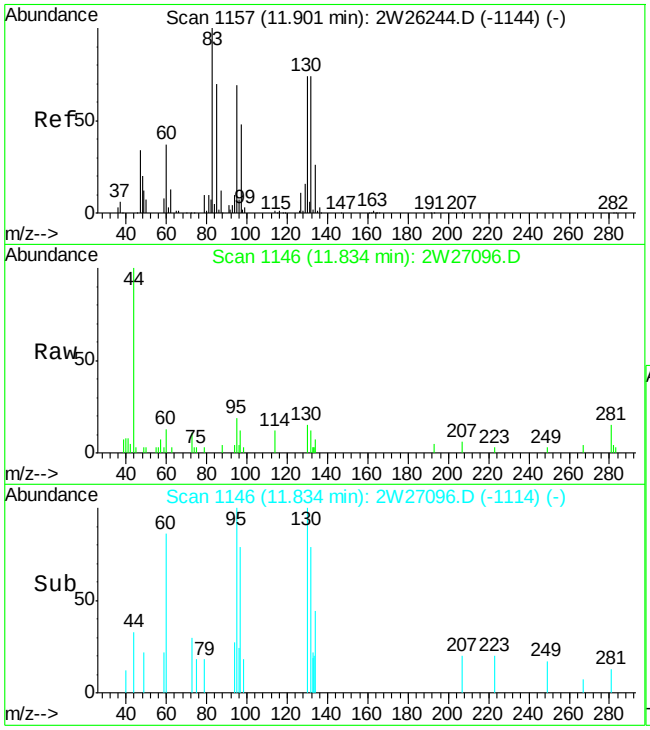


#47
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 11.00 min Scan# 1009
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 84 Resp: 13463

Ion	Ratio	Lower	Upper
84	100		
56	113.8	79.5	119.5
69	31.8	10.7	50.7

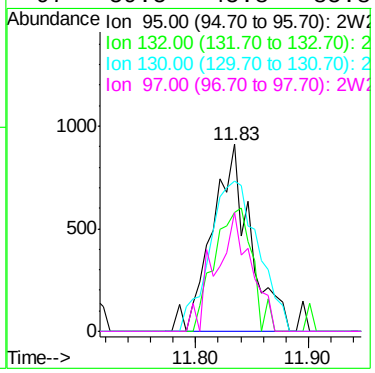


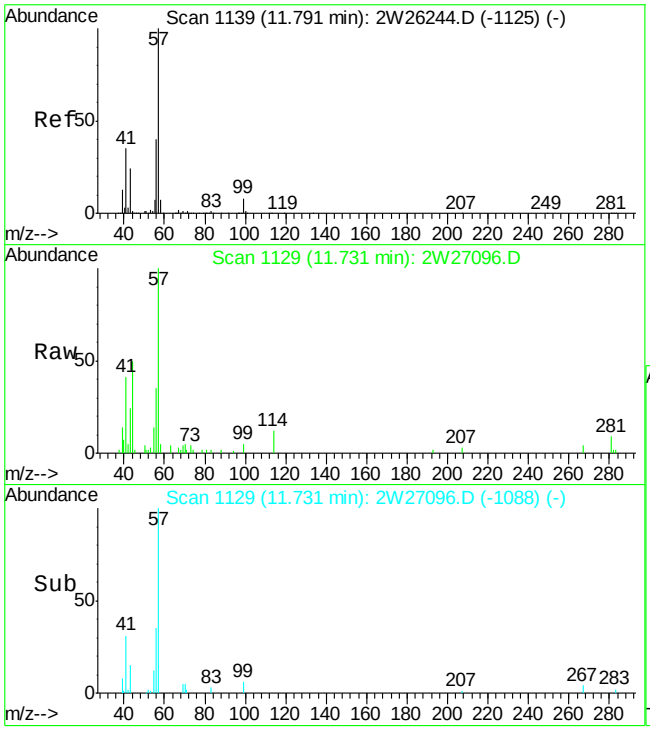


#49
TRICHLOROETHYLENE
Concen: 0.04 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 95 Resp: 2140

Ion	Ratio	Lower	Upper
95	100		
132	65.3	72.7	112.7#
130	102.5	75.6	115.6
97	59.5	45.8	85.8

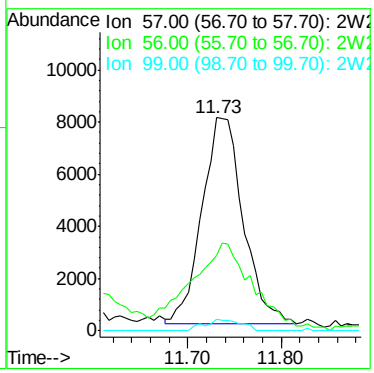


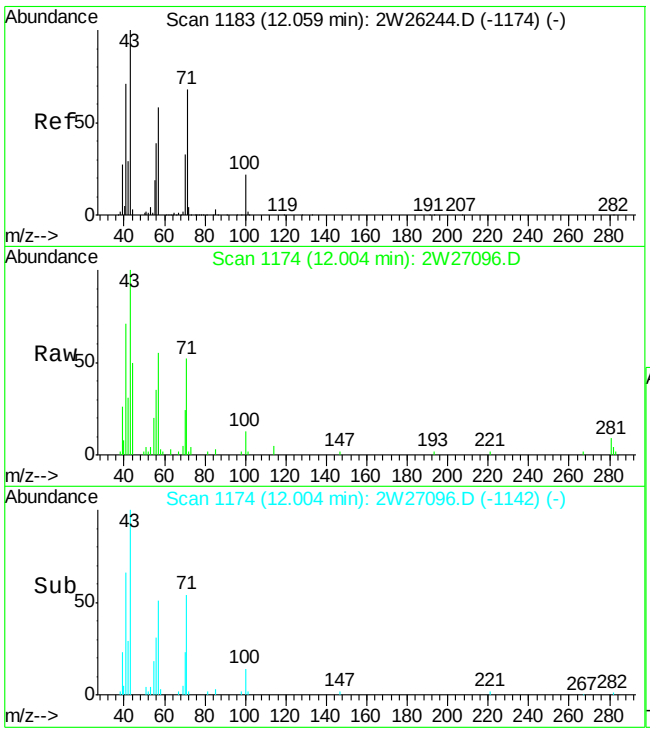


#52
2,2,4-TRIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 11.73 min Scan# 1129
Delta R.T. 0.00 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 57 Resp: 24356

Ion	Ratio	Lower	Upper
57	100		
56	65.6	17.1	57.1#
99	4.9	0.0	26.0

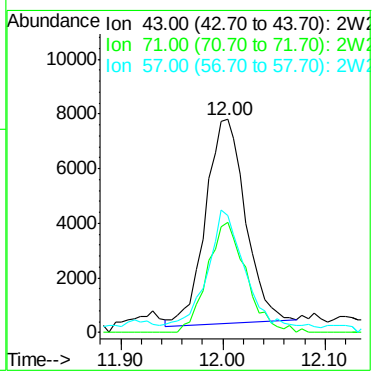


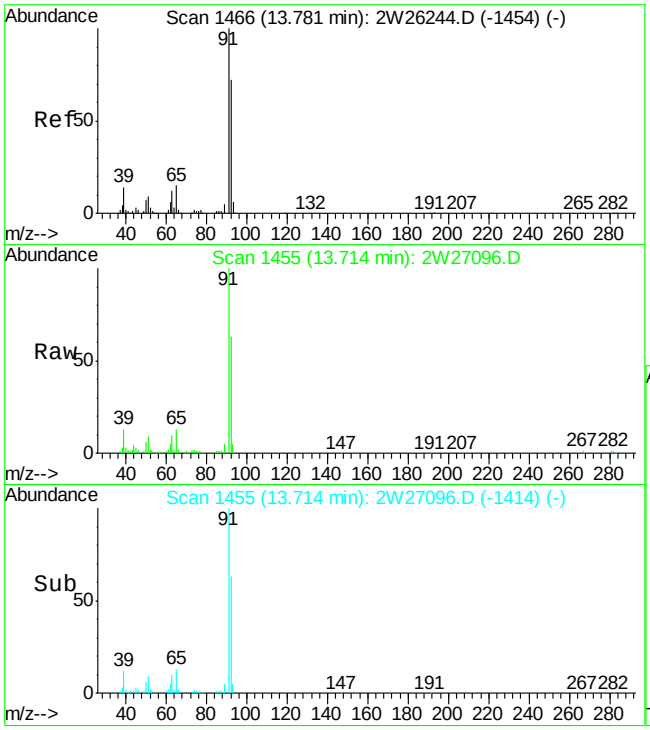


#55
HEPTANE
Concen: 0.25 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 43 Resp: 20242

Ion	Ratio	Lower	Upper
43	100		
71	52.8	41.4	81.4
57	53.5	36.9	76.9

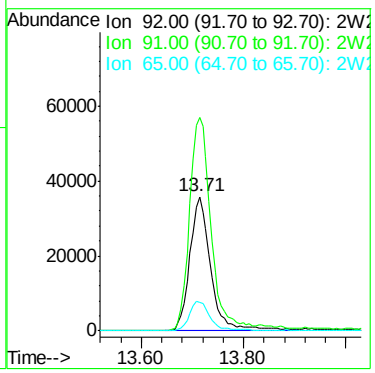


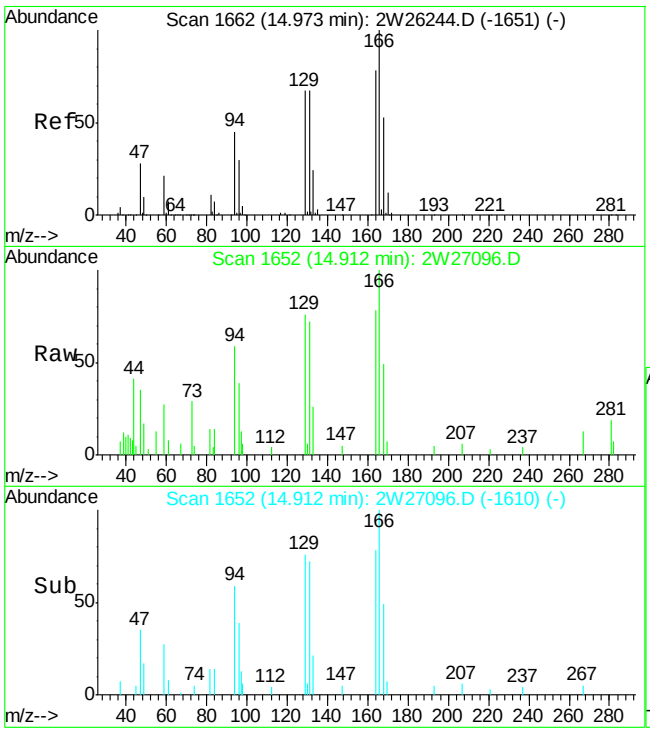


#59
TOLUENE
Concen: 1.27 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 92 Resp: 101716

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.6	176.6
65	21.9	0.9	40.9

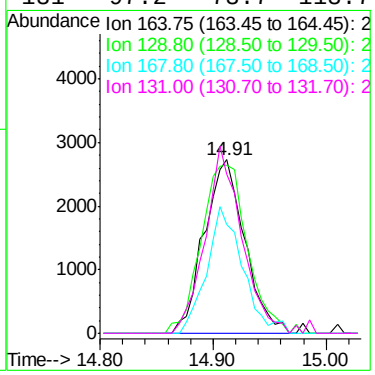


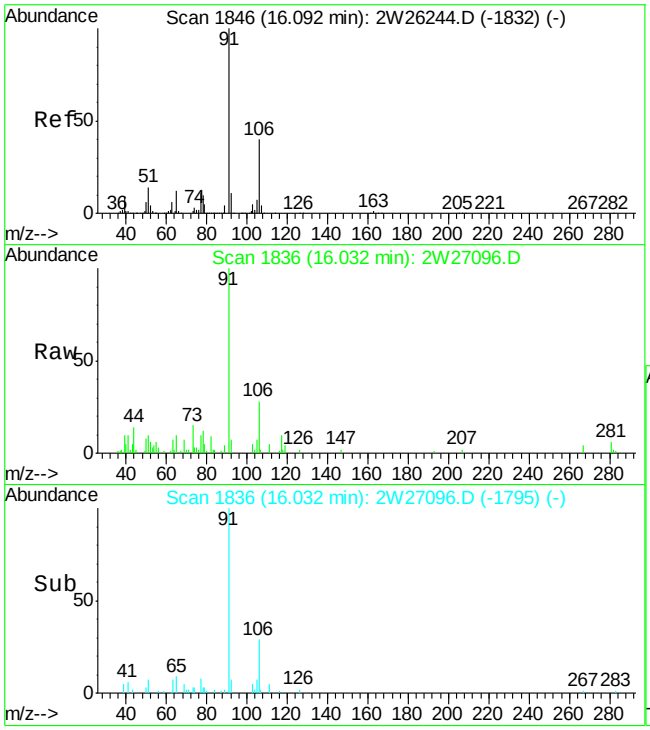


#64
TETRACHLOROETHYLENE
Concen: 0.14 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:164 Resp: 6800

Ion	Ratio	Lower	Upper
164	100		
129	110.8	76.6	116.6
168	64.4	44.5	84.5
131	97.2	73.7	113.7

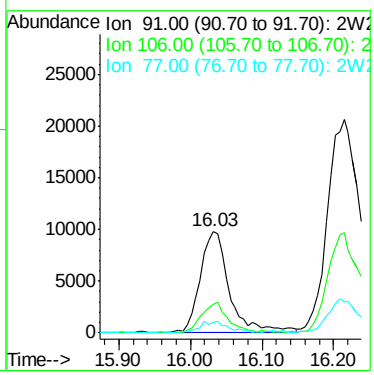


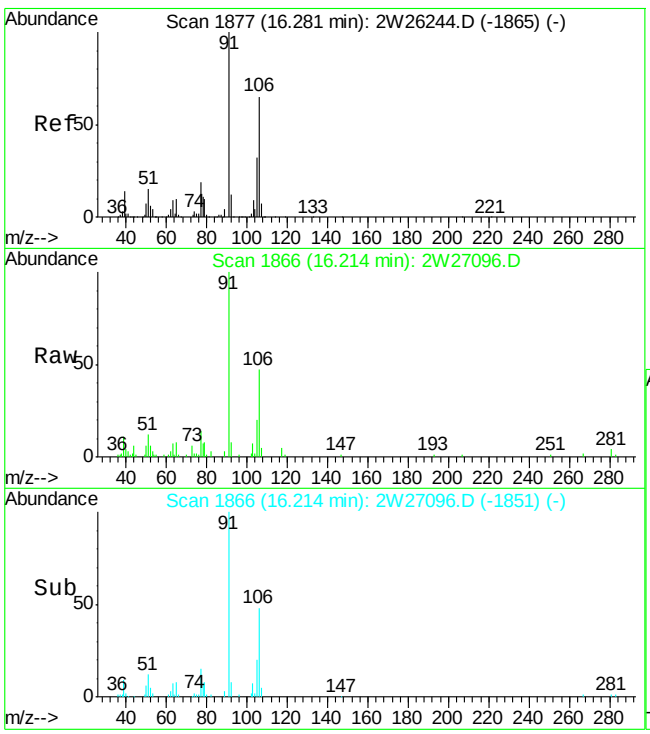


#70
ETHYLBENZENE
Concen: 0.18 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. 0.00 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion: 91 Resp: 27684

Ion	Ratio	Lower	Upper
91	100		
106	26.3	13.5	53.5
77	10.8	0.0	29.7

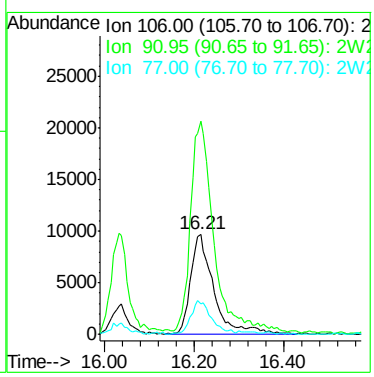


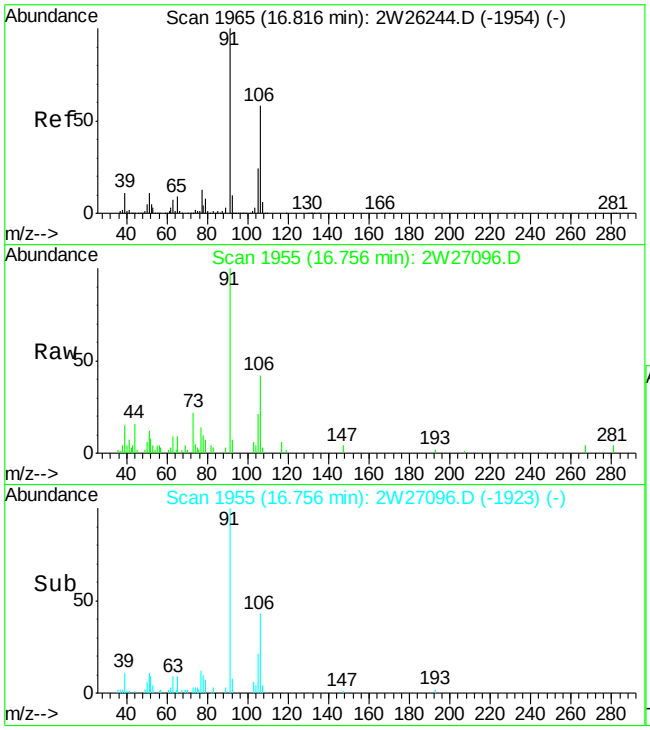


#71
m,p-XYLENE
Concen: 0.61 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:106 Resp: 35279

Ion	Ratio	Lower	Upper
106	100		
91	212.4	138.6	207.8#
77	30.6	23.5	35.3

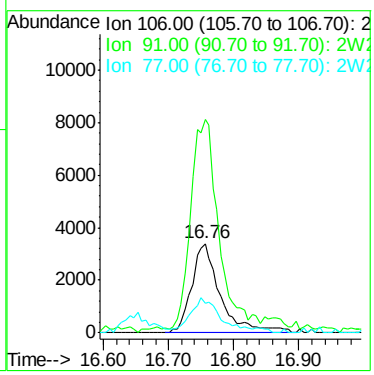


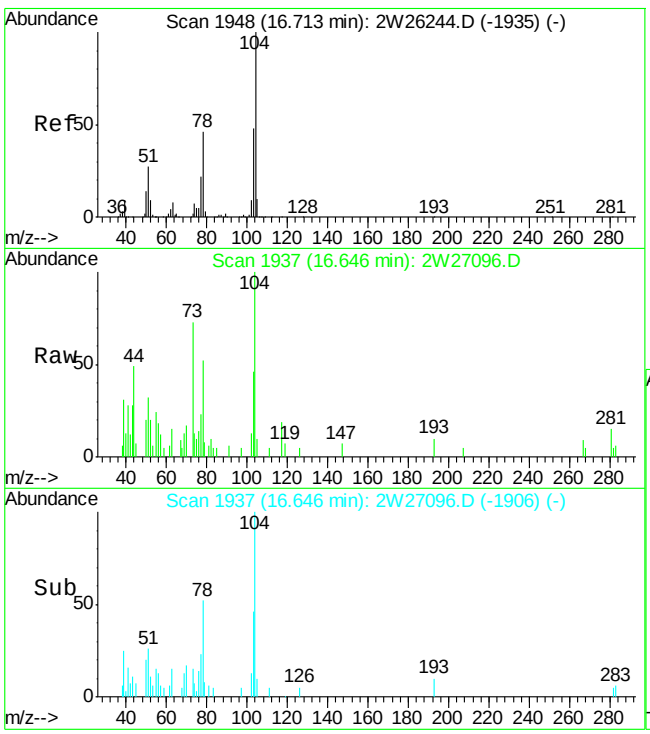


#72
o-XYLENE
Concen: 0.17 PPBV
RT: 16.76 min Scan# 1955
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:106 Resp: 10359

Ion	Ratio	Lower	Upper
106	100		
91	229.7	181.1	221.1#
77	42.2	7.9	47.9

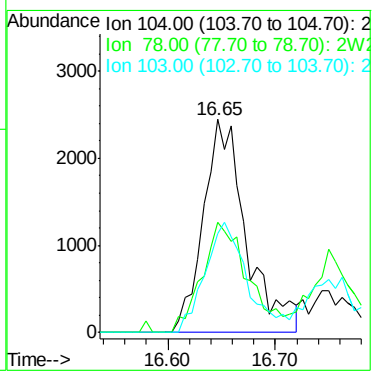


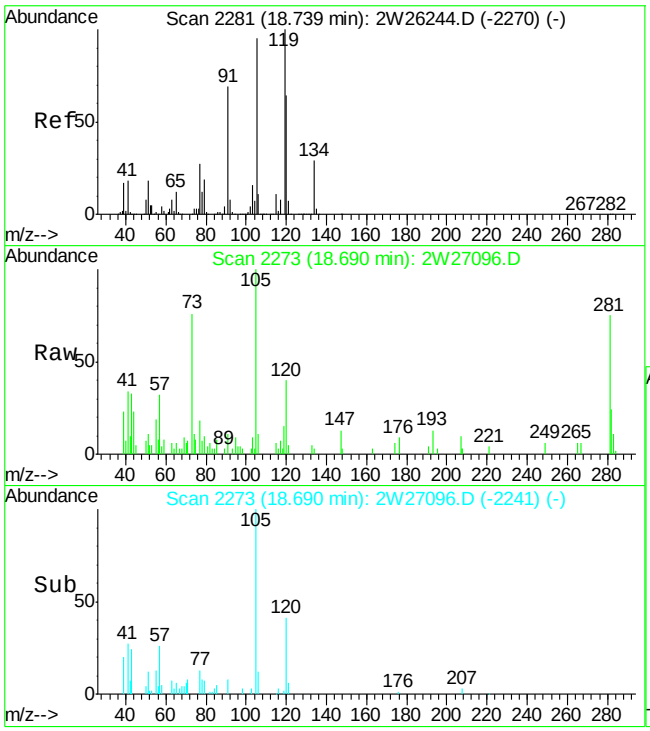


#73
STYRENE
Concen: 0.11 PPBV
RT: 16.65 min Scan# 1937
Delta R.T. 0.00 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:104 Resp: 6778

Ion	Ratio	Lower	Upper
104	100		
78	55.2	23.8	63.8
103	51.3	27.4	67.4

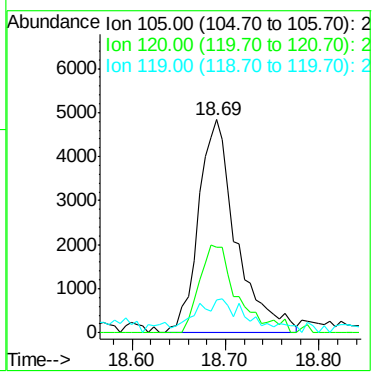




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.15 PPBV
RT: 18.69 min Scan# 2273
Delta R.T. 0.01 min
Lab File: 2W27096.D
Acq: 4 May 2010 10:23 pm

Tgt Ion:105 Resp: 13654

Ion	Ratio	Lower	Upper
105	100		
120	41.4	41.5	81.5#
119	21.9	102.3	142.3#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/06/10 00:26

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27097.D Vial: 10
Acq On : 4 May 2010 11:06 pm Operator: yunxiac
Sample : ja45062-15 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:56 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

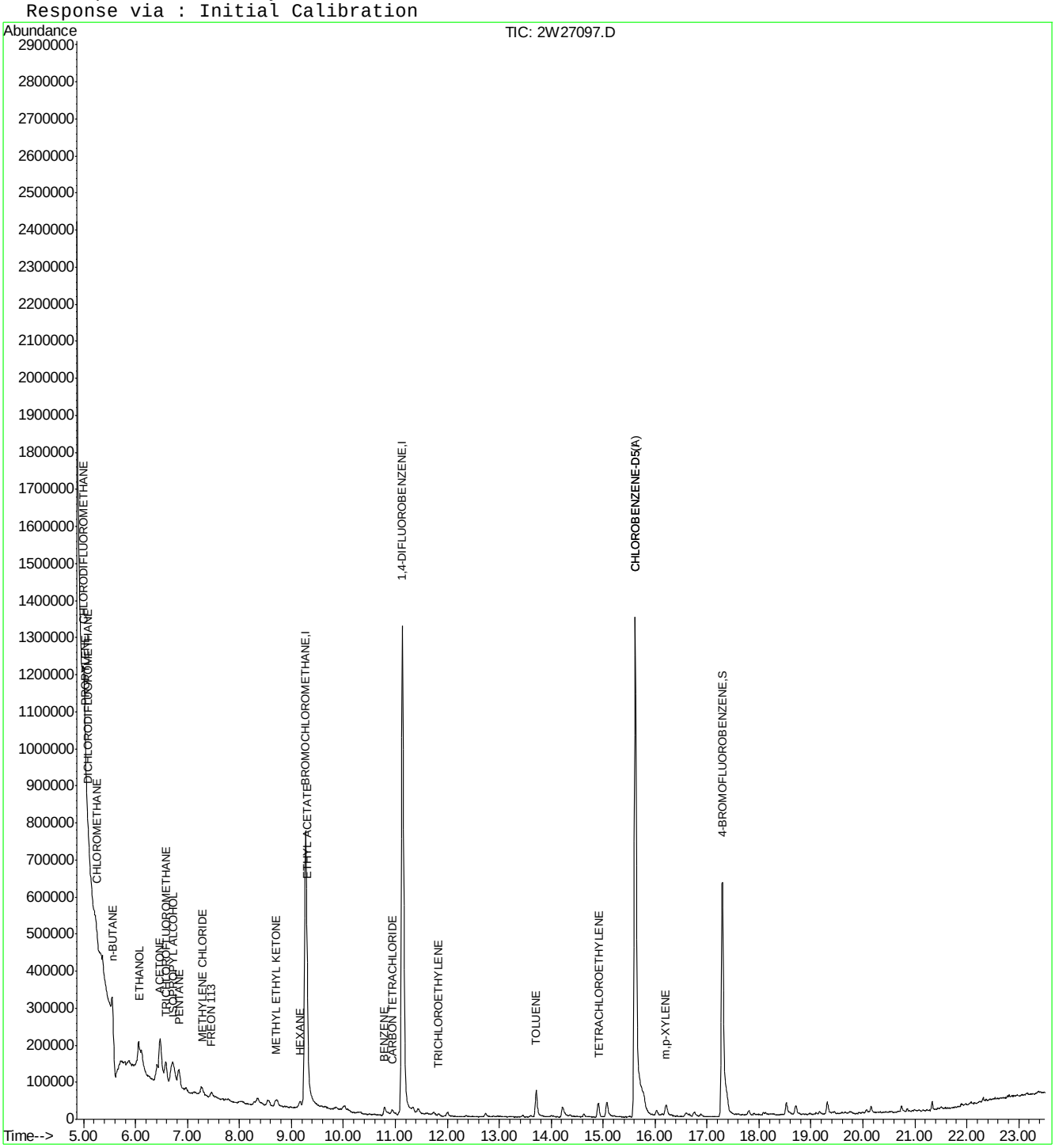
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	331787	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1607775	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	854592	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	854592	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	404801	4.56	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	106511	0.70	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	142212	8.17	PPBV		97
6) PROPYLENE	5.04	41	24008	0.36	PPBV	#	55
9) CHLOROMETHANE	5.25	52	14918	0.59	PPBV	#	89
12) n-BUTANE	5.57	43	113652	0.95	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	106431	0.82	PPBV		99
18) ISOPROPYL ALCOHOL	6.73	45	206352	2.19	PPBV		86
19) ACETONE	6.47	58	99616	3.84	PPBV	#	81
20) PENTANE	6.83	42	38631	0.57	PPBV		95
25) ETHANOL	6.07	45	239545	9.15	PPBV		99
27) METHYLENE CHLORIDE	7.28	84	15183	0.33	PPBV		97
29) FREON 113	7.46	151	6588	0.10	PPBV		85
34) HEXANE	9.16	57	11806	0.13	PPBV		90
37) METHYL ETHYL KETONE	8.69	72	7800	0.33	PPBV	#	91
39) ETHYL ACETATE	9.30	61	16376	1.09	PPBV	#	65
43) CARBON TETRACHLORIDE	10.94	117	12675	0.11	PPBV		96
46) BENZENE	10.79	78	28410	0.17	PPBV		97
49) TRICHLOROETHYLENE	11.83	95	3227	0.05	PPBV	#	46
59) TOLUENE	13.71	92	46921	0.46	PPBV		90
64) TETRACHLOROETHYLENE	14.91	164	11133	0.18	PPBV		97
71) m,p-XYLENE	16.21	106	14835m	0.20	PPBV		

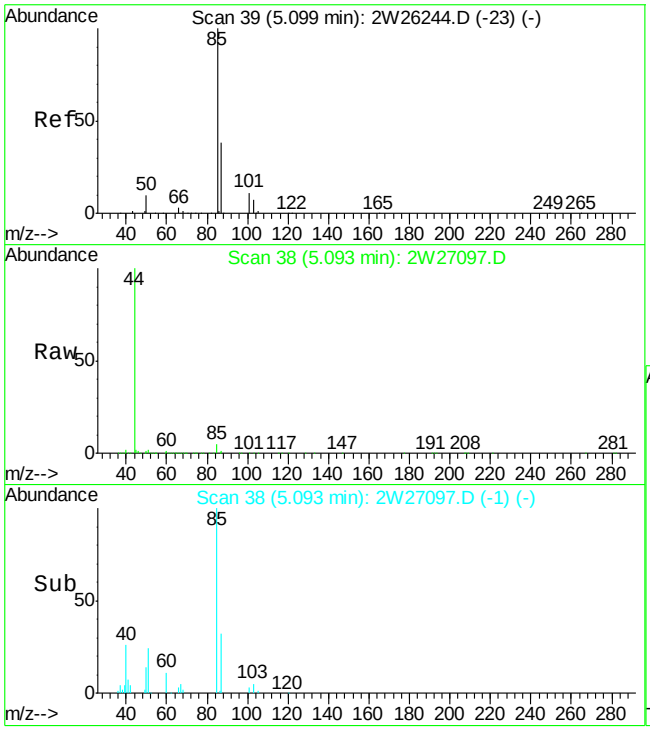
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27097.D Vial: 10
Acq On : 4 May 2010 11:06 pm Operator: yunxiac
Sample : ja45062-15 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:40 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

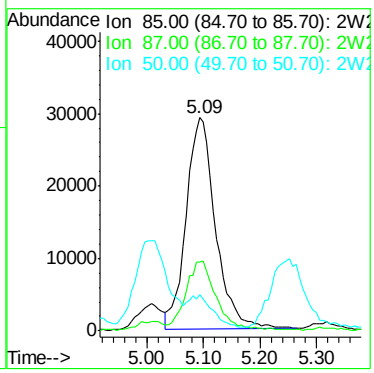


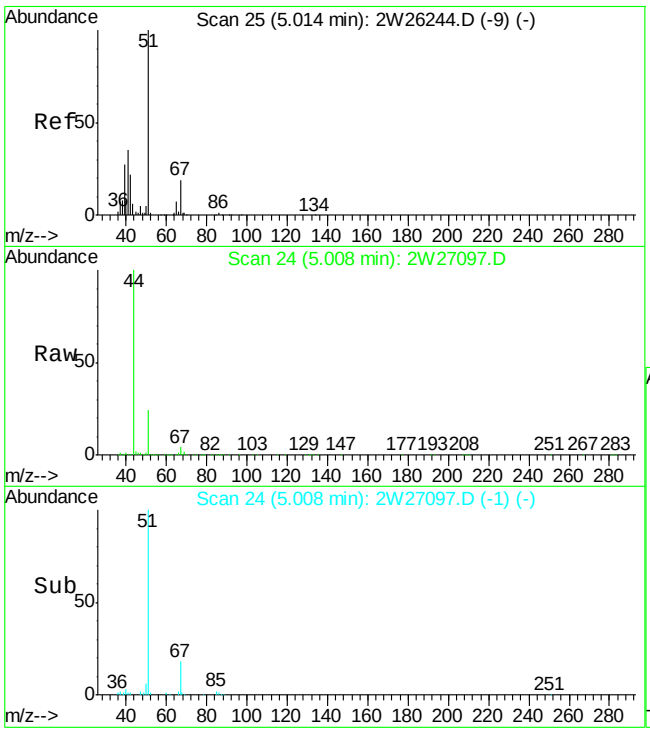


#3
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 85 Resp: 106511

Ion	Ratio	Lower	Upper
85	100		
87	33.7	14.2	54.2
50	11.3	0.0	31.0

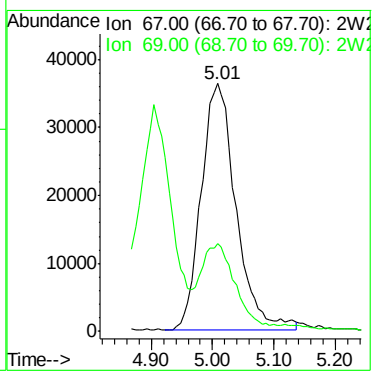




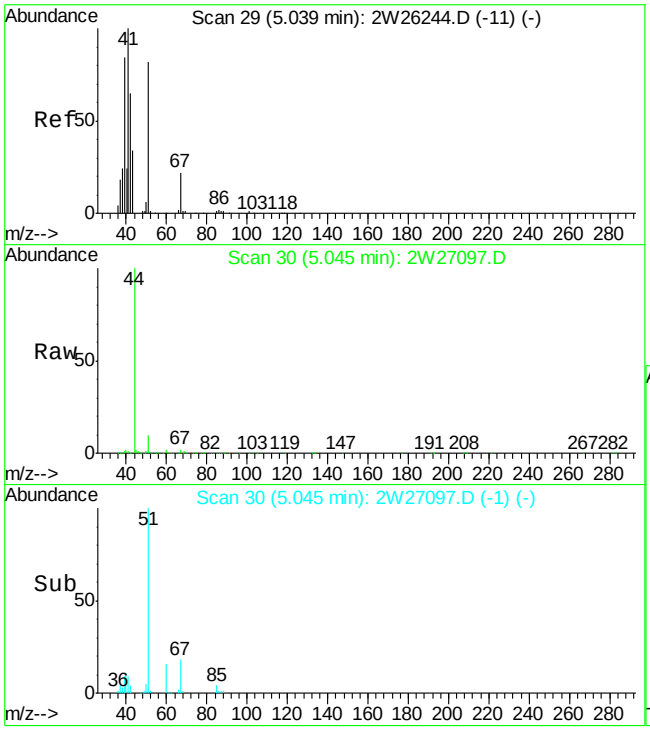
#5
CHLORODIFLUOROMETHANE
Concen: 8.17 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 67 Resp: 142212

Ion	Ratio	Lower	Upper
67	100		
69	31.9	13.6	53.6



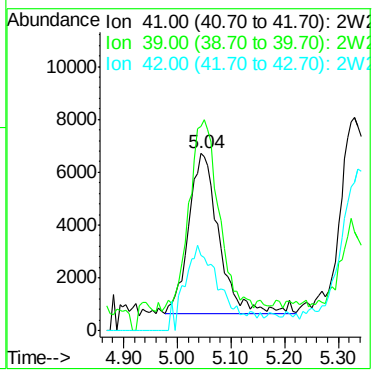
ACCUTEST Laboratories JA45062

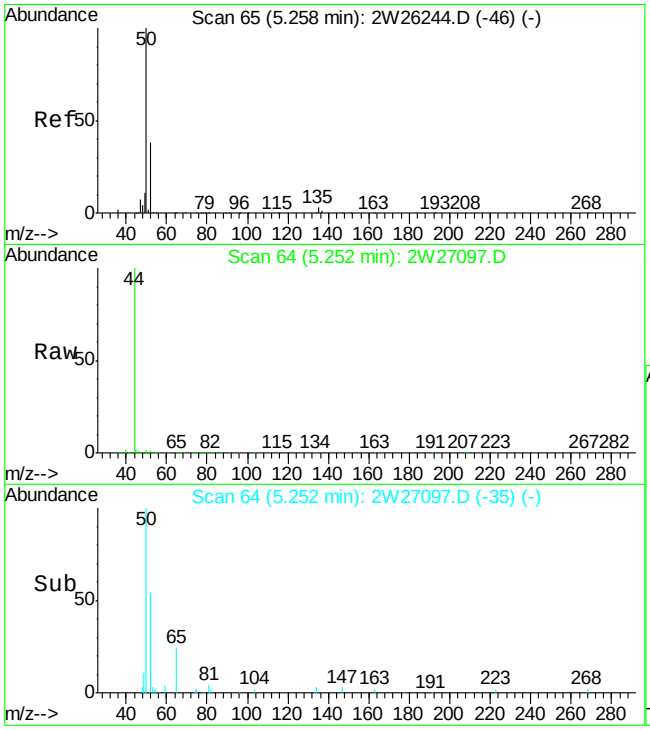


#6
PROPYLENE
Concen: 0.36 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 41 Resp: 24008

Ion	Ratio	Lower	Upper
41	100		
39	114.9	47.9	87.9#
42	42.4	47.3	87.3#

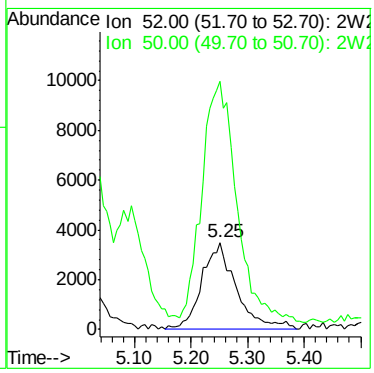


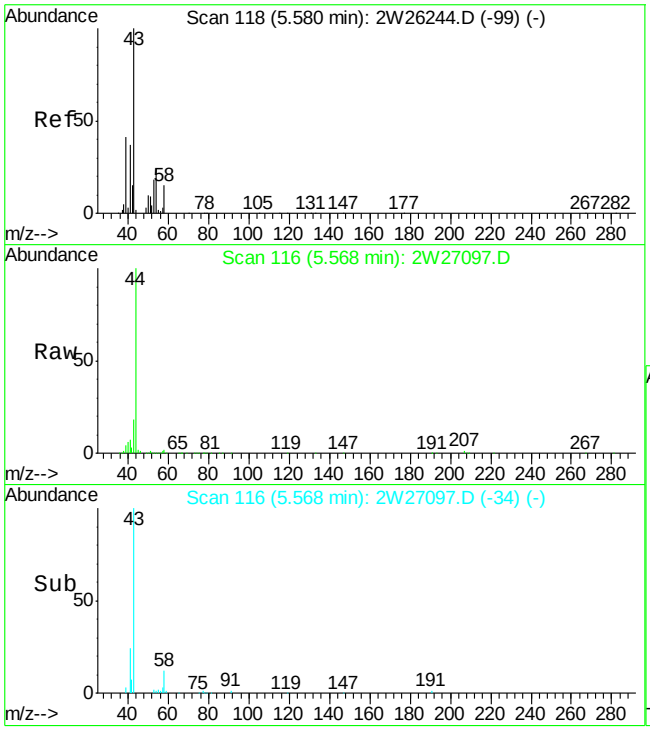


#9
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 52 Resp: 14918

Ion	Ratio	Lower	Upper
52	100		
50	267.7	268.7	308.7#

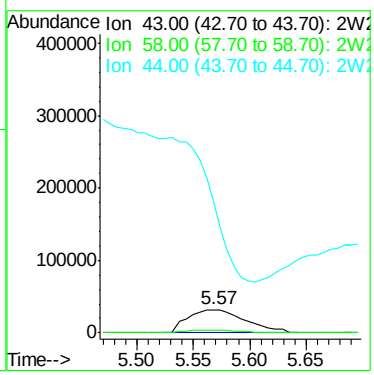


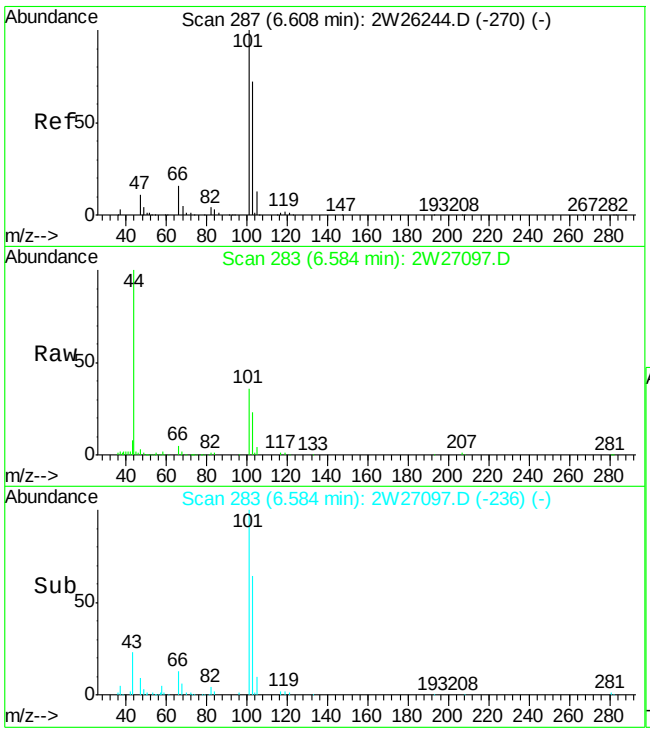


#12
n-BUTANE
Concen: 0.95 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 43 Resp: 113652

Ion	Ratio	Lower	Upper
43	100		
58	13.2	10.6	15.8
44	0.0	2.3	3.5#

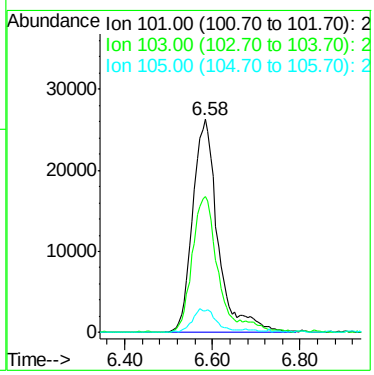




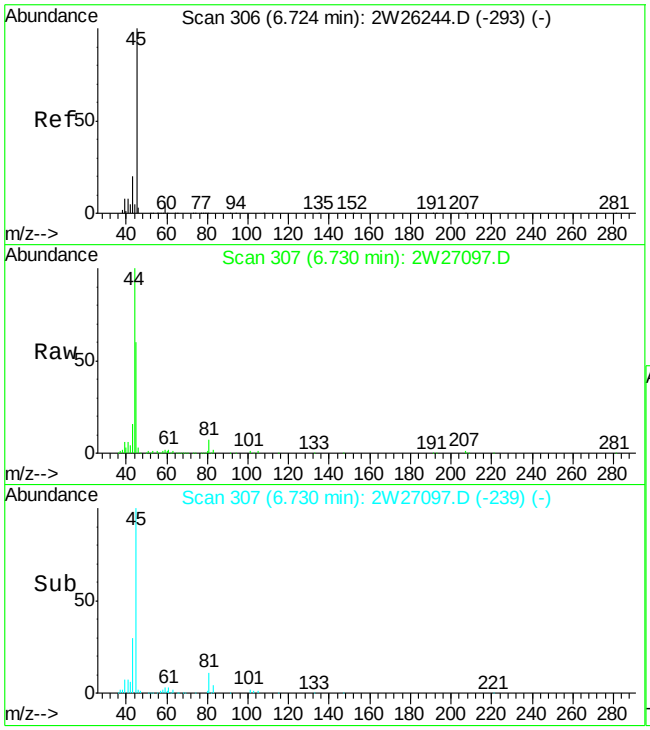
#17
TRICHLOROFLUOROMETHANE
Concen: 0.82 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion:101 Resp: 106431

Ion	Ratio	Lower	Upper
101	100		
103	65.7	46.7	86.7
105	10.3	0.0	31.2



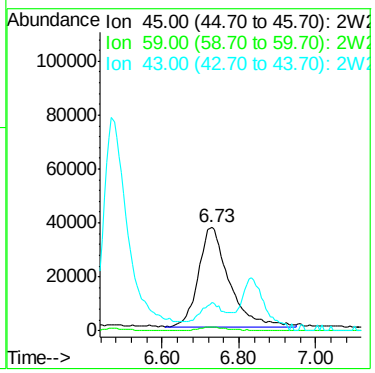
ACCUTEST Laboratories JA45062

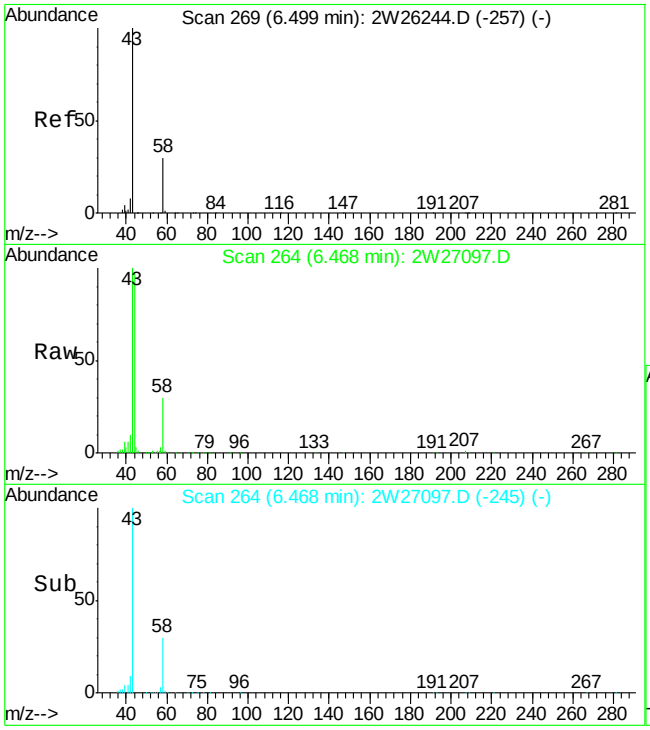


#18
ISOPROPYL ALCOHOL
Concen: 2.19 PPBV
RT: 6.73 min Scan# 307
Delta R.T. 0.06 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 45 Resp: 206352

Ion	Ratio	Lower	Upper
45	100		
59	3.2	0.0	24.1
43	27.6	0.2	40.2

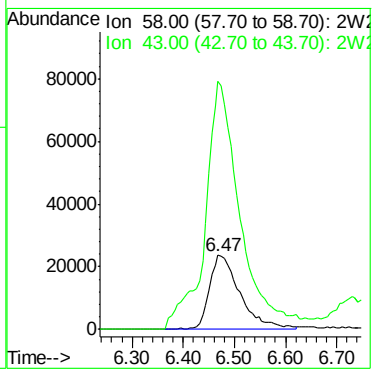




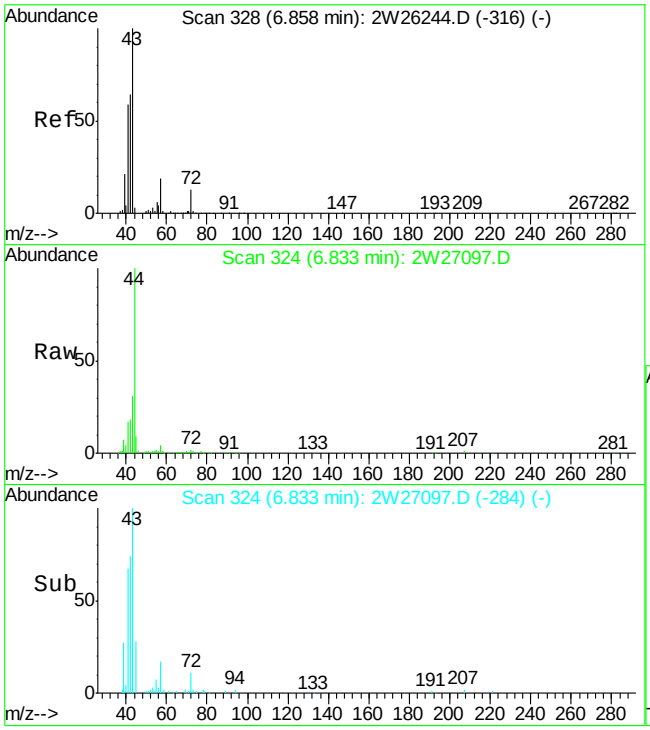
#19
ACETONE
Concen: 3.84 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 58 Resp: 99616

Ion	Ratio	Lower	Upper
58	100		
43	375.5	315.8	355.8#



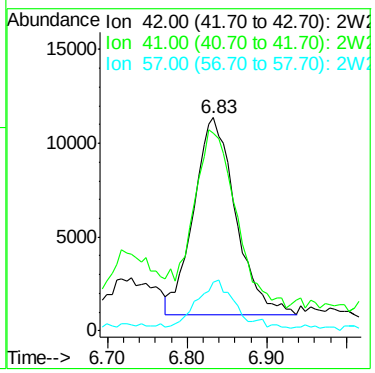
ACCUTEST Laboratories JA45062

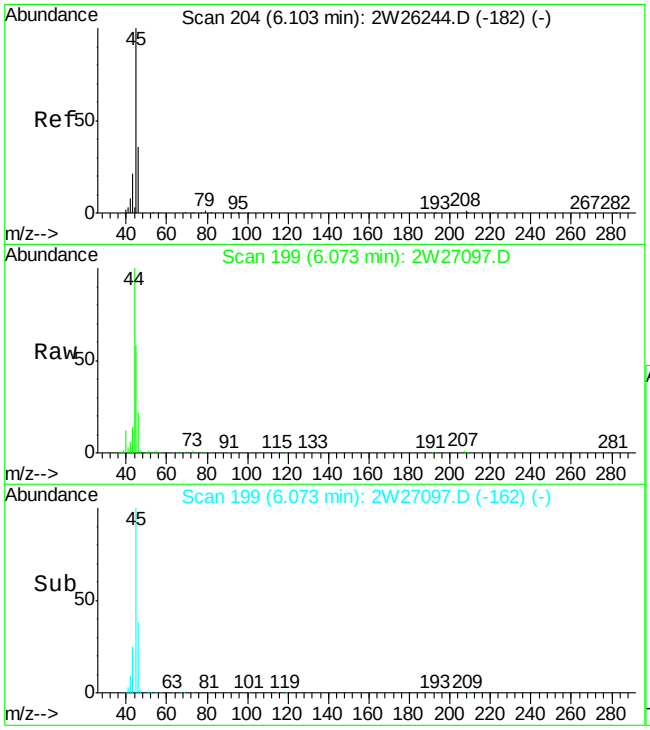


#20
PENTANE
Concen: 0.57 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 42 Resp: 38631

Ion	Ratio	Lower	Upper
42	100		
41	91.2	67.5	107.5
57	22.1	6.1	46.1

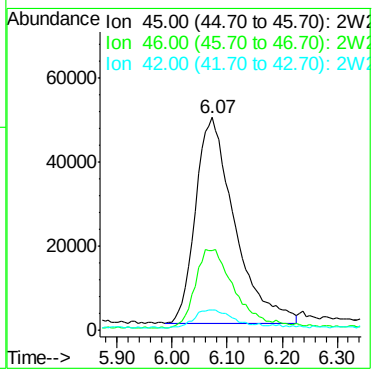


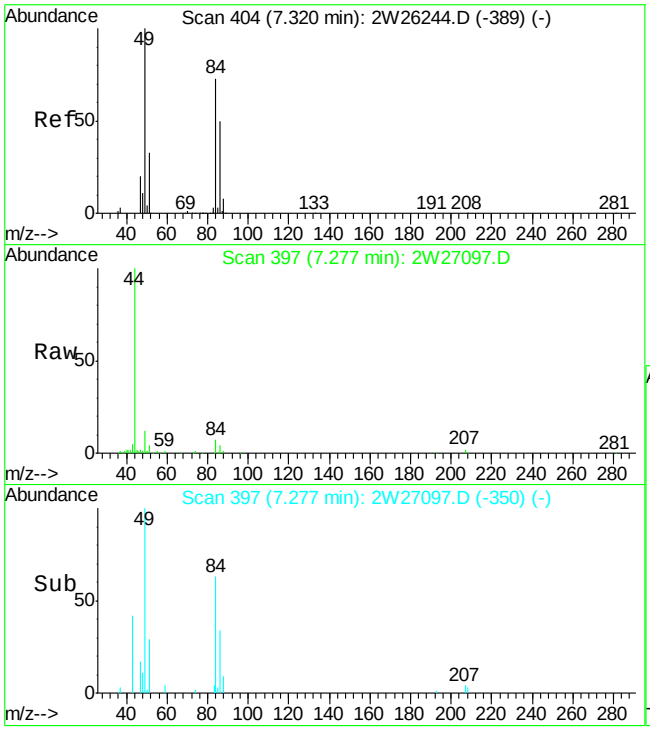


#25
ETHANOL
Concen: 9.15 PPBV
RT: 6.07 min Scan# 199
Delta R.T. 0.02 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 45 Resp: 239545

Ion	Ratio	Lower	Upper
45	100		
46	39.6	9.3	69.3
42	10.0	0.0	37.7

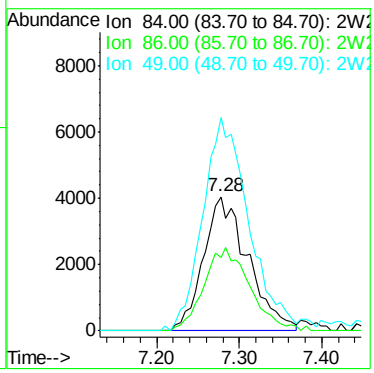


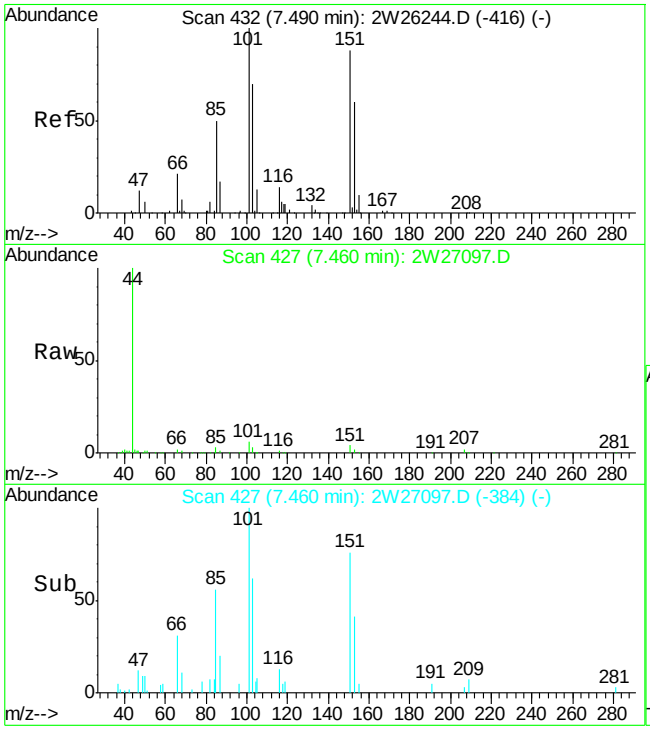


#27
METHYLENE CHLORIDE
Concen: 0.33 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 84 Resp: 15183

Ion	Ratio	Lower	Upper
84	100		
86	63.9	44.9	84.9
49	166.2	0.0	360.7

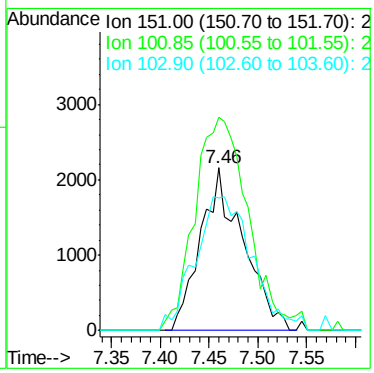


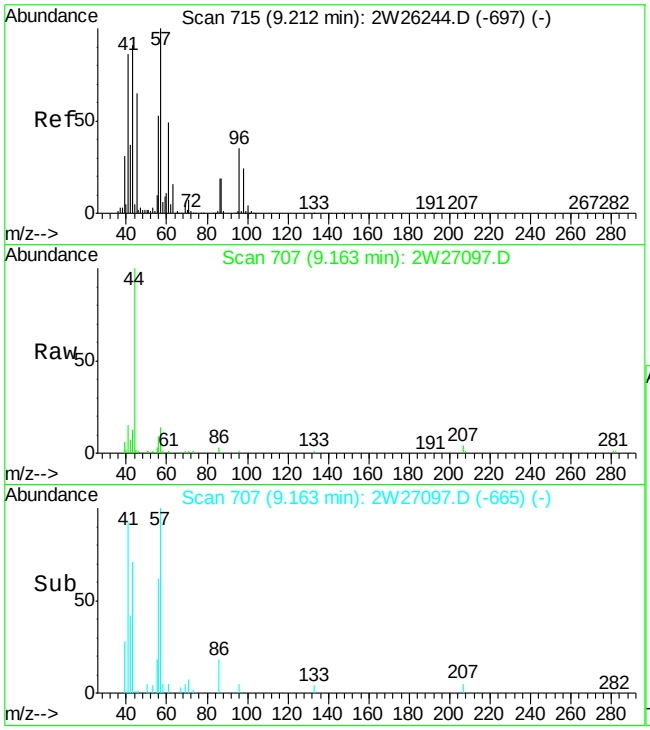


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion:151 Resp: 6588

Ion	Ratio	Lower	Upper
151	100		
101	163.3	124.8	164.8
103	109.3	75.2	115.2

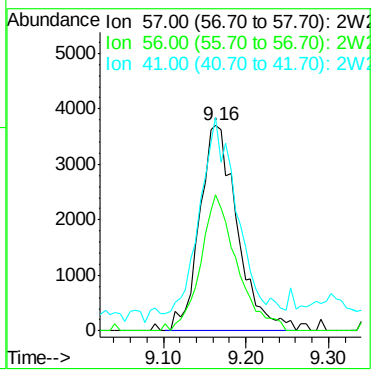


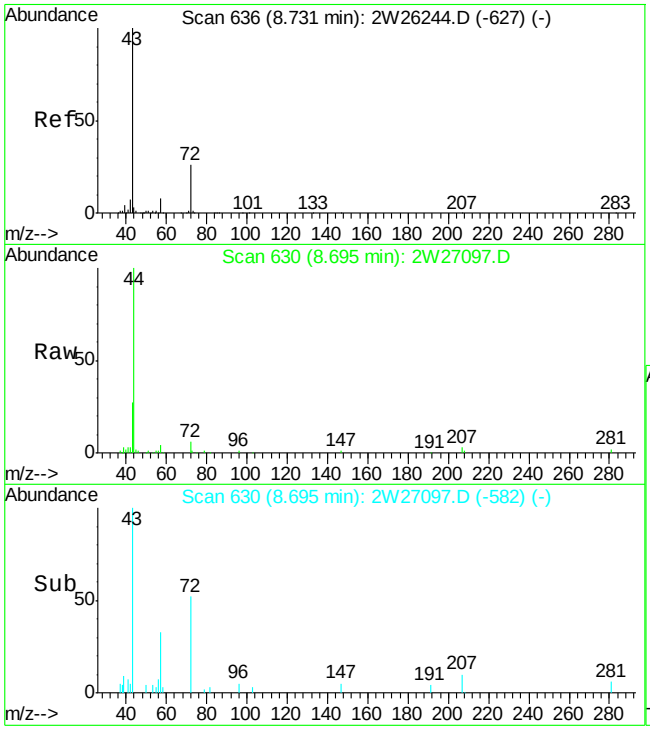


#34
HEXANE
Concen: 0.13 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 57 Resp: 11806

Ion	Ratio	Lower	Upper
57	100		
56	63.6	32.4	72.4
41	91.5	77.6	117.6

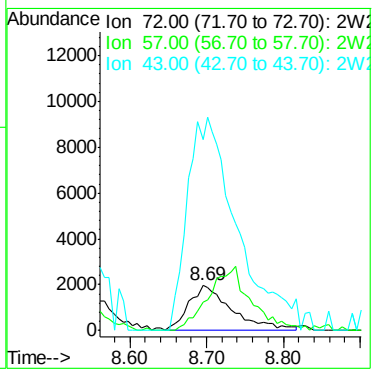


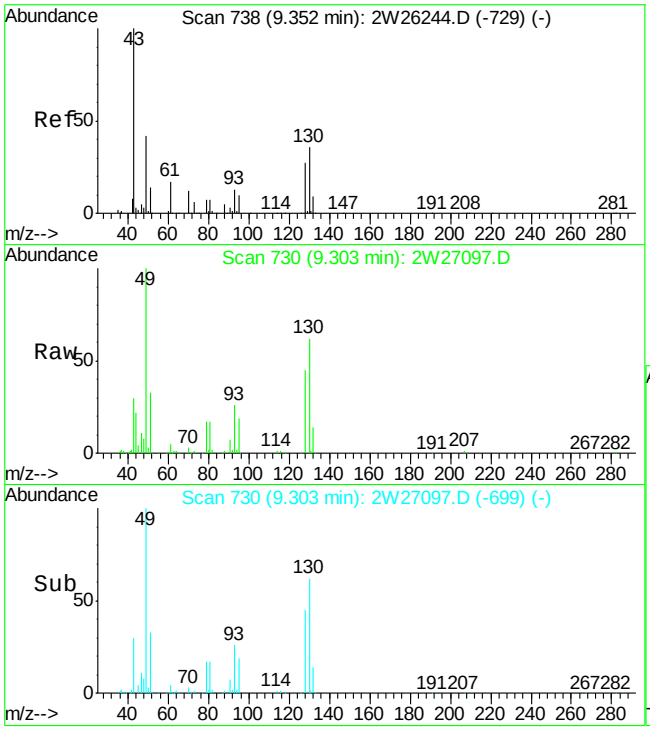


#37
METHYL ETHYL KETONE
Concen: 0.33 PPBV
RT: 8.69 min Scan# 630
Delta R.T. 0.04 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 72 Resp: 7800

Ion	Ratio	Lower	Upper
72	100		
57	63.1	13.8	53.8#
43	421.6	389.3	429.3

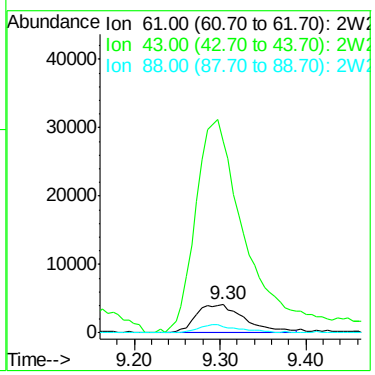


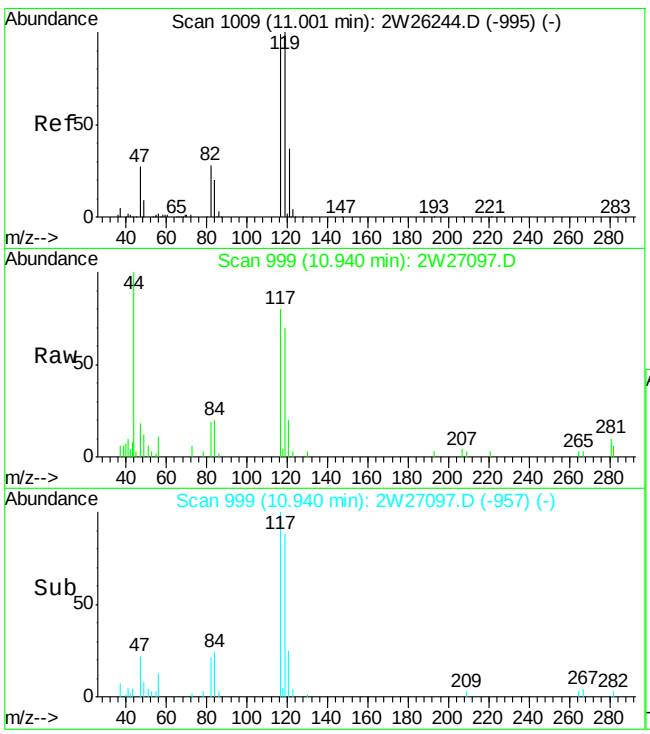


#39
ETHYL ACETATE
Concen: 1.09 PPBV
RT: 9.30 min Scan# 730
Delta R.T. 0.04 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 61 Resp: 16376

Ion	Ratio	Lower	Upper
61	100		
43	744.0	606.5	646.5#
88	24.2	4.8	44.8

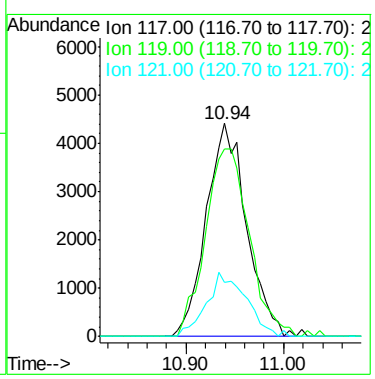




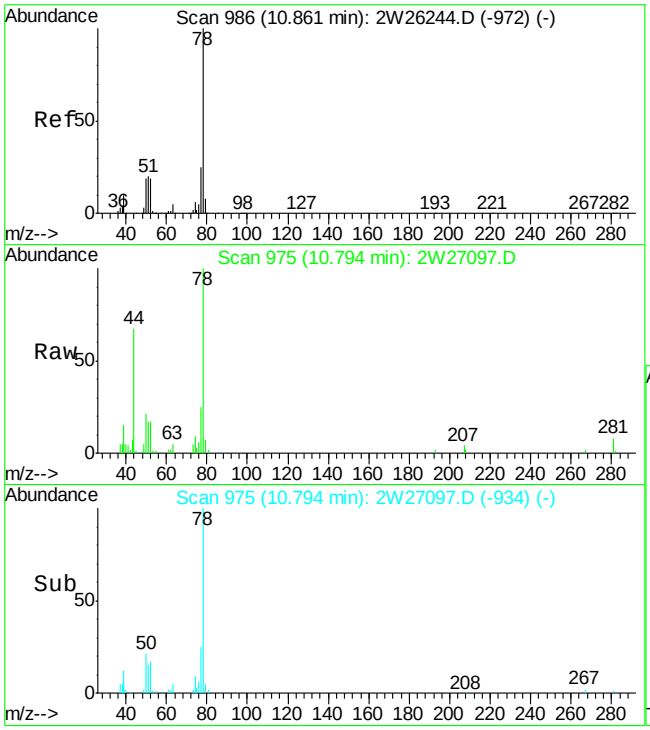
#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion:117 Resp: 12675

Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.0	118.0
121	29.4	12.8	52.8



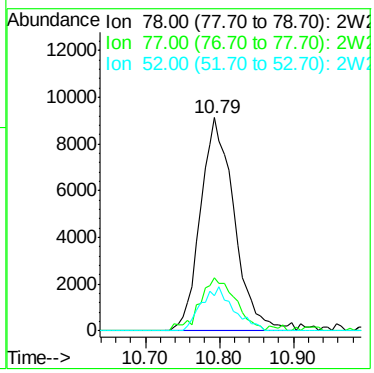
ACCUTEST Laboratories JA45062

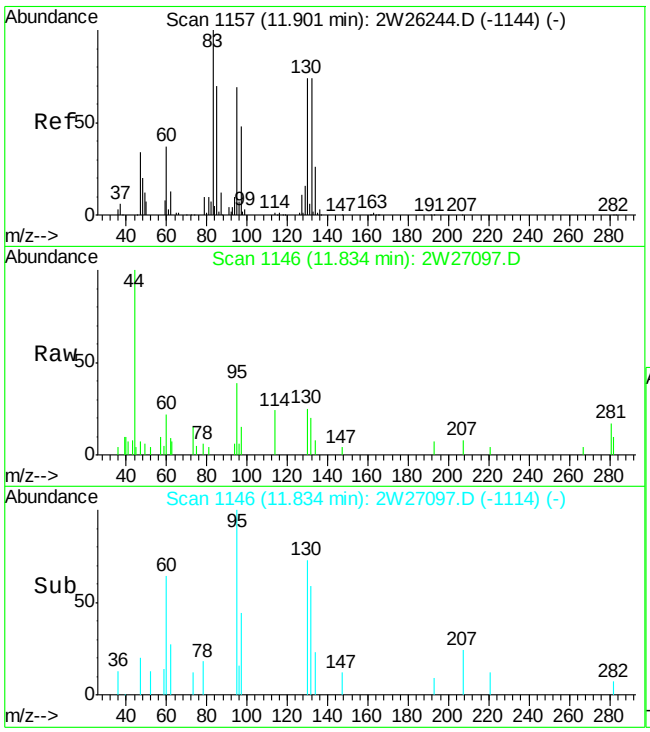


#46
BENZENE
Concen: 0.17 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 78 Resp: 28410

Ion	Ratio	Lower	Upper
78	100		
77	26.3	4.9	44.9
52	19.5	0.0	37.9

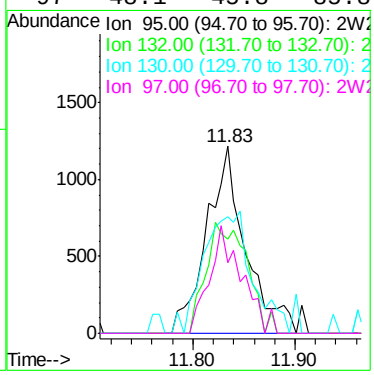


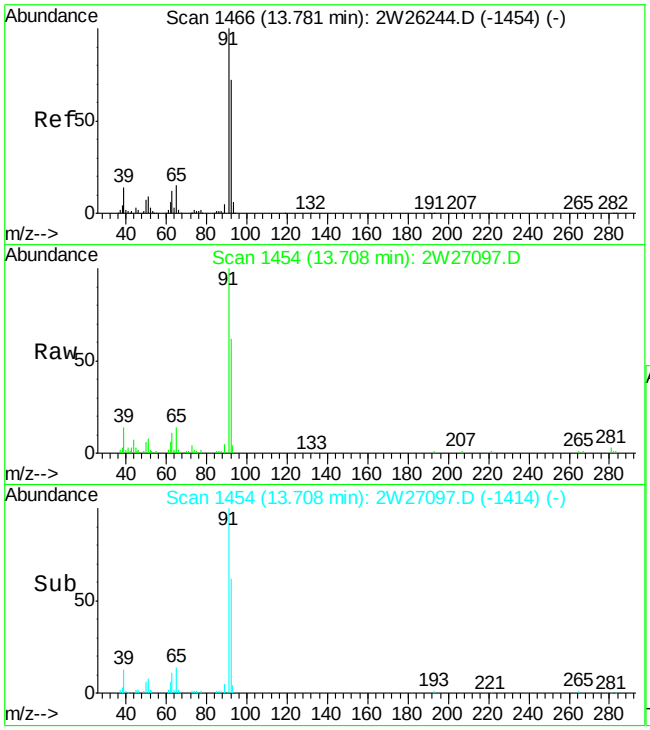


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 95 Resp: 3227

Ion	Ratio	Lower	Upper
95	100		
132	62.3	72.7	112.7#
130	0.0	75.6	115.6#
97	48.1	45.8	85.8

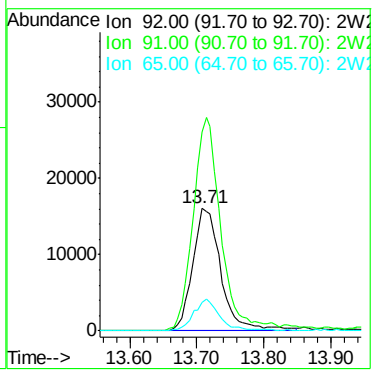


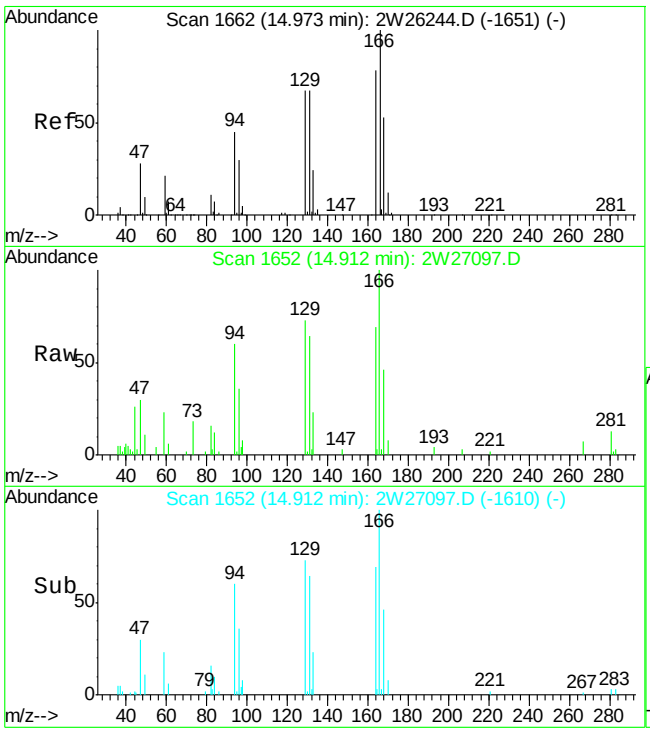


#59
TOLUENE
Concen: 0.46 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion: 92 Resp: 46921

Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.6	176.6
65	23.6	0.9	40.9

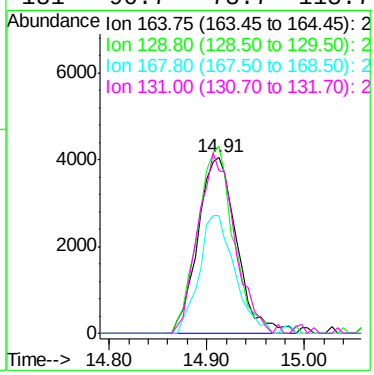


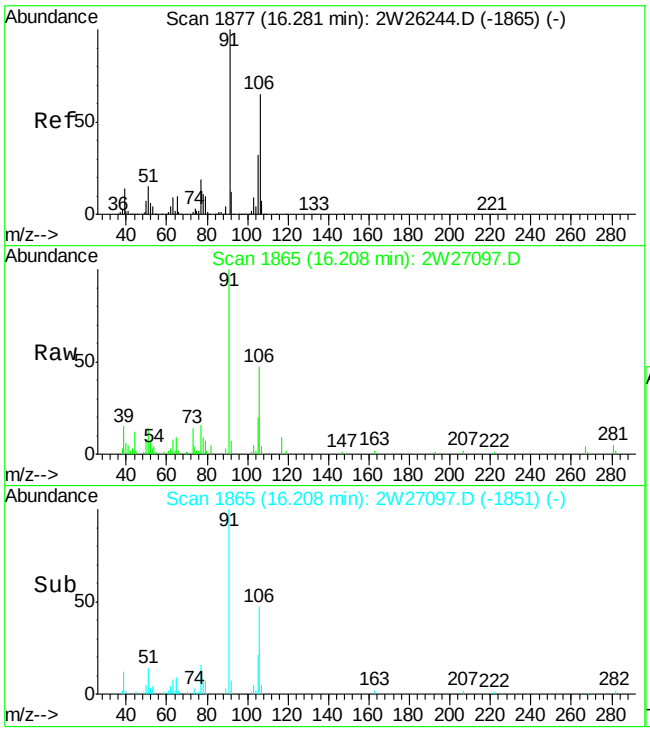


#64
TETRACHLOROETHYLENE
Concen: 0.18 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion:164 Resp: 11133

Ion	Ratio	Lower	Upper
164	100		
129	98.4	76.6	116.6
168	61.4	44.5	84.5
131	96.7	73.7	113.7

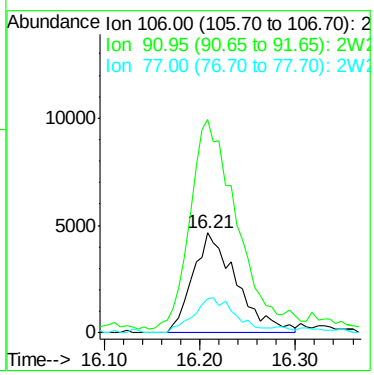




#71
m,p-XYLENE
Concen: 0.20 PPBV m
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27097.D
Acq: 4 May 2010 11:06 pm

Tgt Ion:106 Resp: 14835

Ion	Ratio	Lower	Upper
106	100		
91	213.5	138.6	207.8#
77	33.9	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27098.D Vial: 11
Acq On : 5 May 2010 12:32 am Operator: yunxiac
Sample : ja45062-16 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:02 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

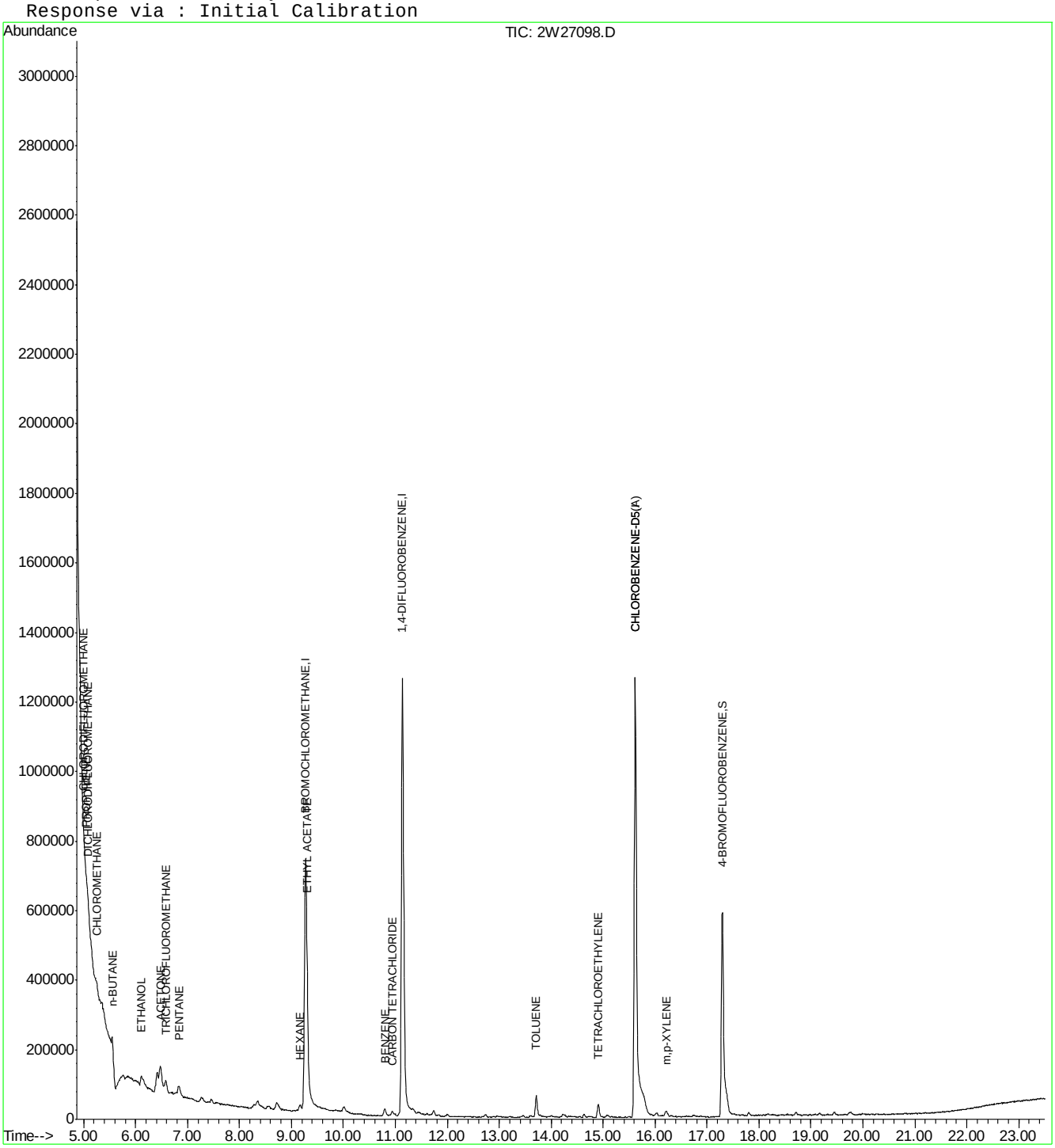
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	340924	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1570475	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	809786	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	809786	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	376941	4.48	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	95147	0.61	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	12245	0.68	PPBV	#	41
6) PROPYLENE	5.05	41	24203	0.36	PPBV	#	70
9) CHLOROMETHANE	5.25	52	13472	0.52	PPBV		92
12) n-BUTANE	5.57	43	90826	0.74	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	59443	0.45	PPBV		98
19) ACETONE	6.49	58	63070	2.37	PPBV	#	89
20) PENTANE	6.84	42	22348	0.32	PPBV		88
25) ETHANOL	6.10	45	53697	2.00	PPBV		99
34) HEXANE	9.16	57	10685	0.12	PPBV		91
39) ETHYL ACETATE	9.30	61	17096	1.10	PPBV	#	54
43) CARBON TETRACHLORIDE	10.94	117	13003	0.11	PPBV		97
46) BENZENE	10.80	78	28140	0.17	PPBV		97
59) TOLUENE	13.71	92	40631	0.41	PPBV		87
64) TETRACHLOROETHYLENE	14.91	164	11062	0.19	PPBV		92
71) m,p-XYLENE	16.21	106	7275	0.10	PPBV		87

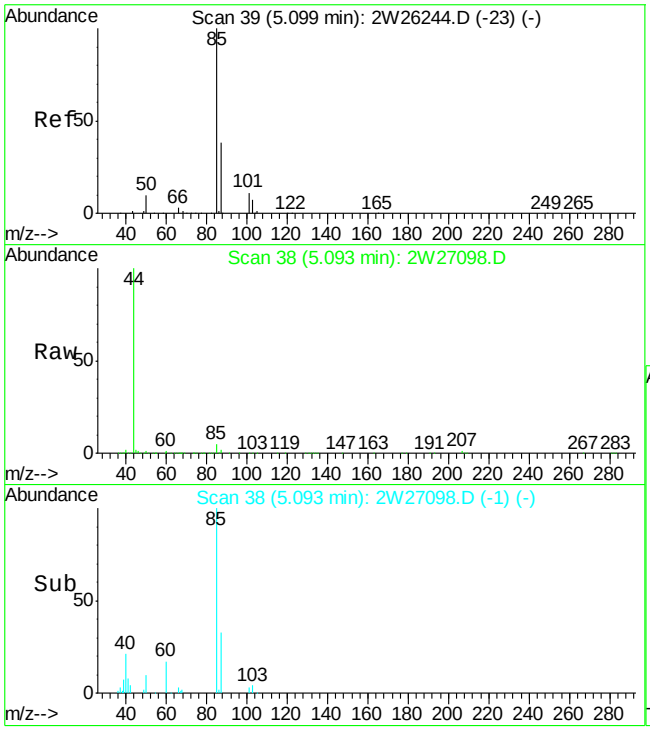
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27098.D Vial: 11
Acq On : 5 May 2010 12:32 am Operator: yunxiac
Sample : ja45062-16 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:41 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

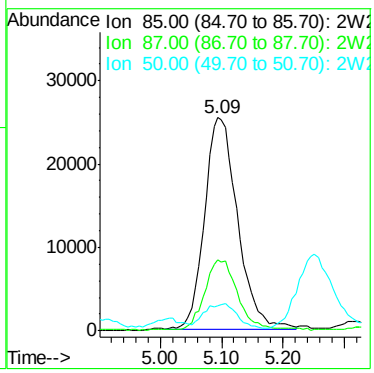


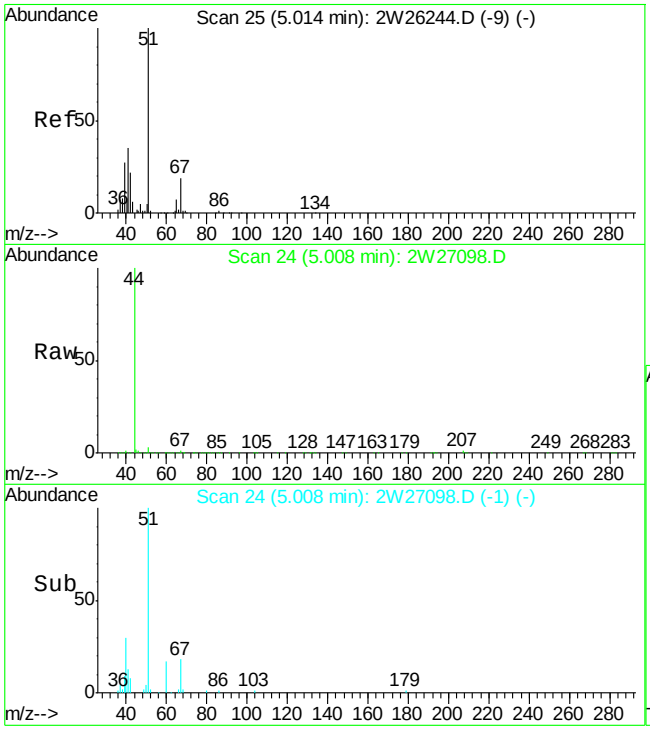


#3
DICHLORODIFLUOROMETHANE
Concen: 0.61 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 85 Resp: 95147

Ion	Ratio	Lower	Upper
85	100		
87	34.5	14.2	54.2
50	11.1	0.0	31.0

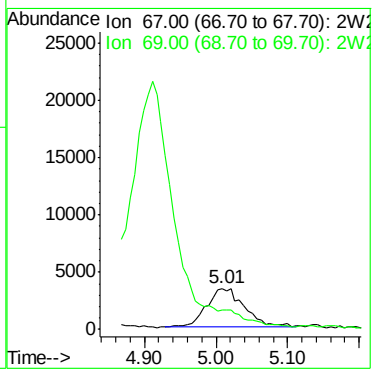


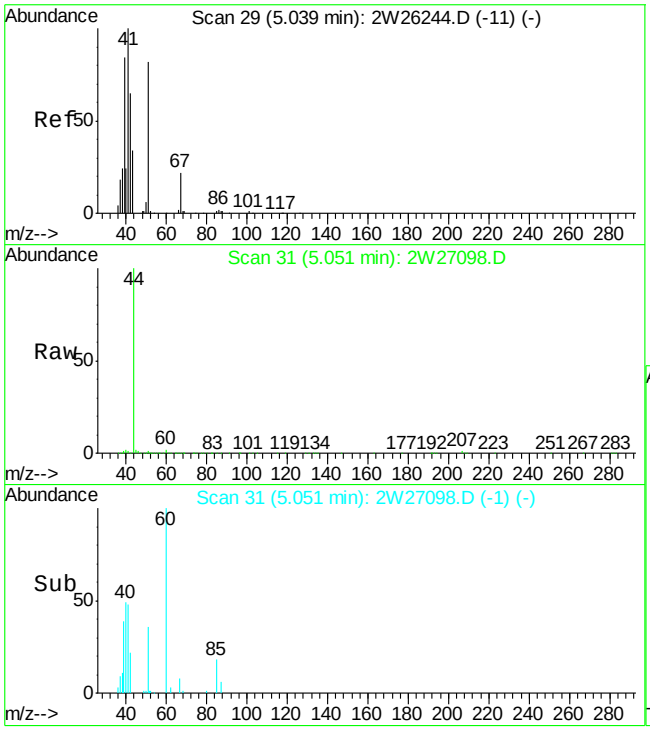


#5
CHLORODIFLUOROMETHANE
Concen: 0.68 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 67 Resp: 12245

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

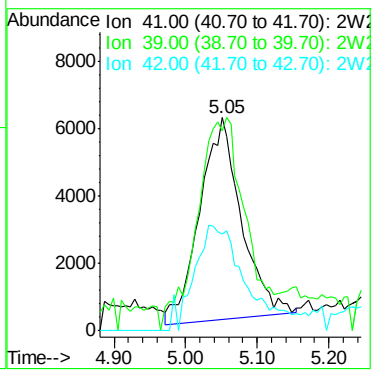


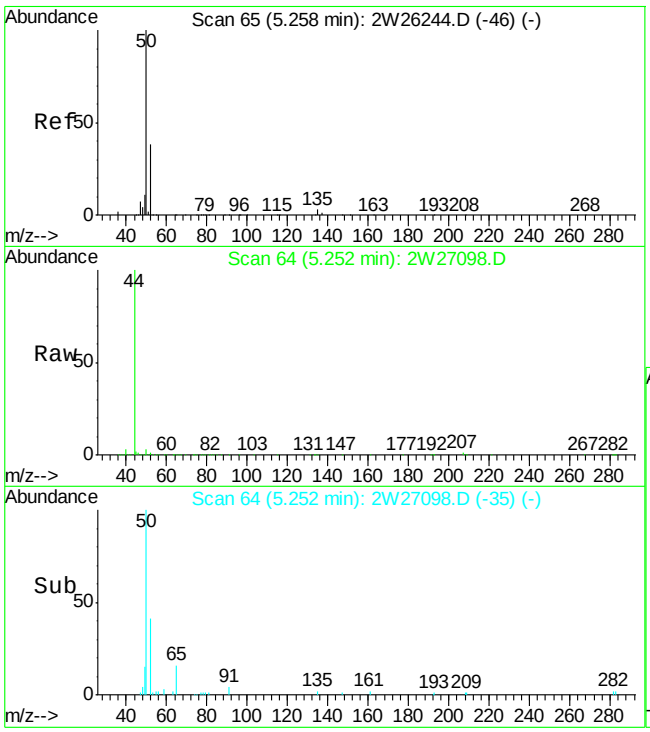


#6
PROPYLENE
Concen: 0.36 PPBV
RT: 5.05 min Scan# 31
Delta R.T. 0.02 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 41 Resp: 24203

Ion	Ratio	Lower	Upper
41	100		
39	93.8	47.9	87.9#
42	45.5	47.3	87.3#

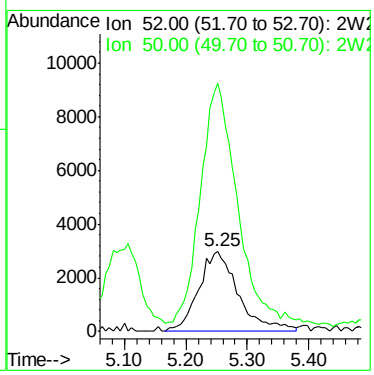




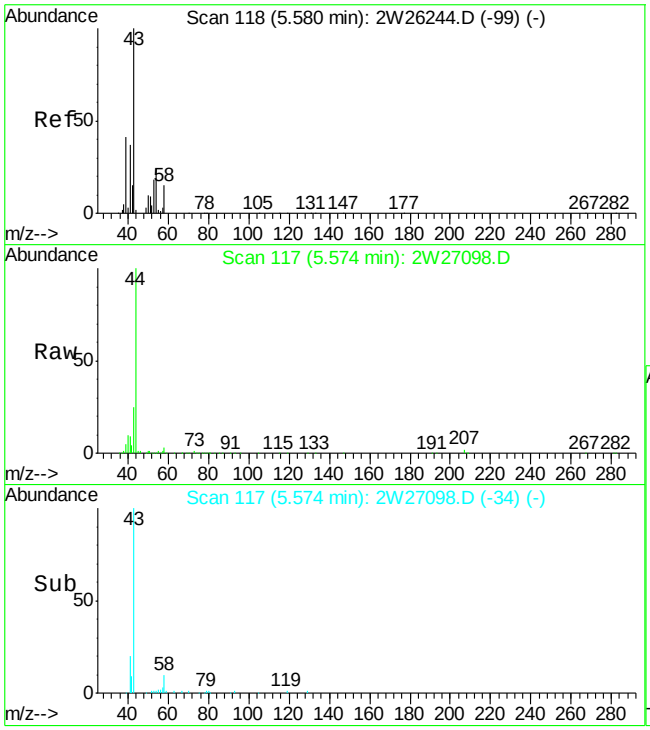
#9
CHLOROMETHANE
Concen: 0.52 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 52 Resp: 13472

Ion	Ratio	Lower	Upper
52	100		
50	303.1	268.7	308.7



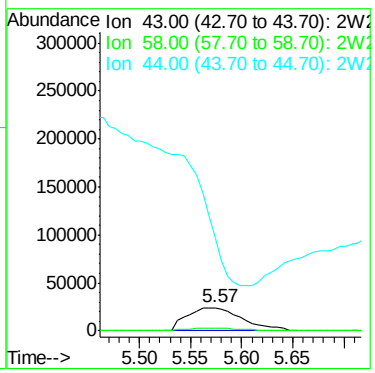
ACCUTEST Laboratories JA45062

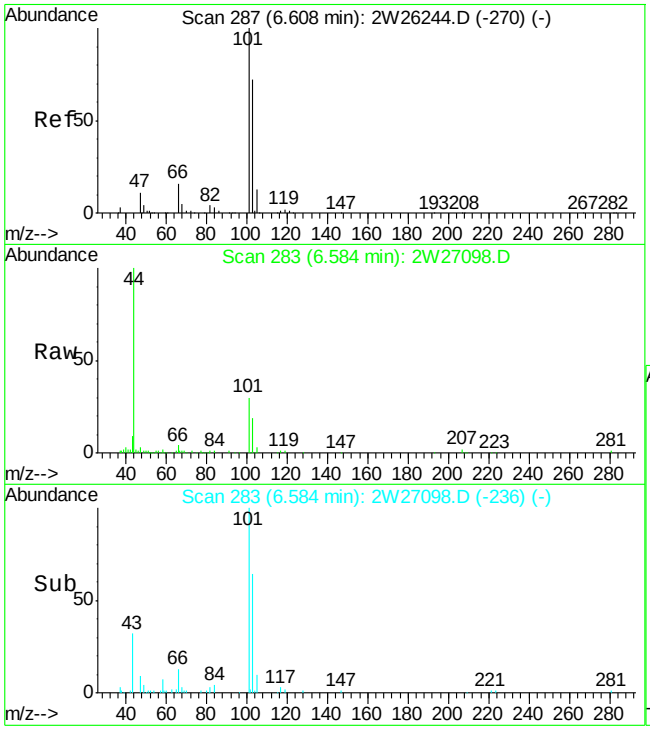


#12
n-BUTANE
Concen: 0.74 PPBV
RT: 5.57 min Scan# 117
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 43 Resp: 90826

Ion	Ratio	Lower	Upper
43	100		
58	12.9	10.6	15.8
44	0.0	2.3	3.5#

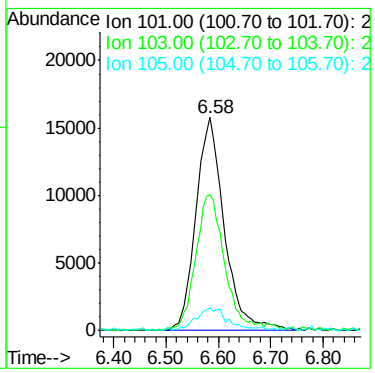




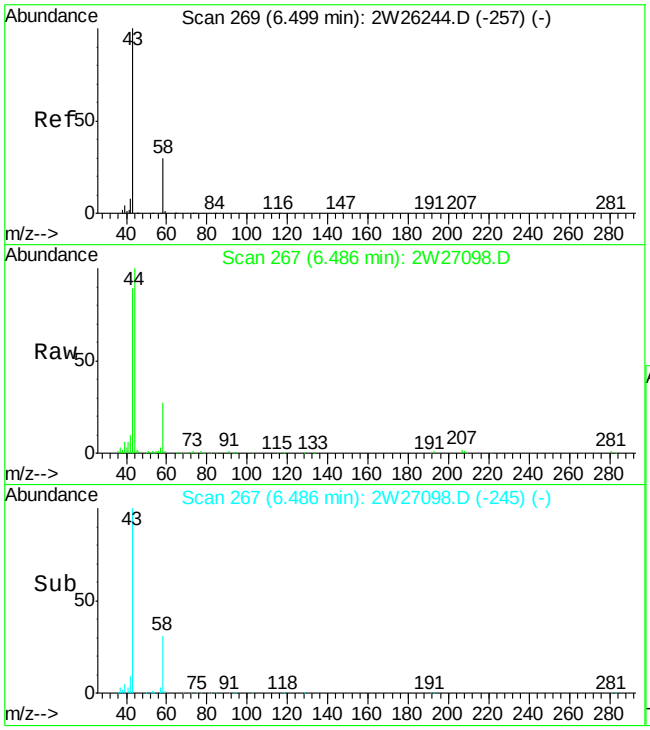
#17
TRICHLOROFLUOROMETHANE
Concen: 0.45 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion:101 Resp: 59443

Ion	Ratio	Lower	Upper
101	100		
103	65.2	46.7	86.7
105	11.8	0.0	31.2



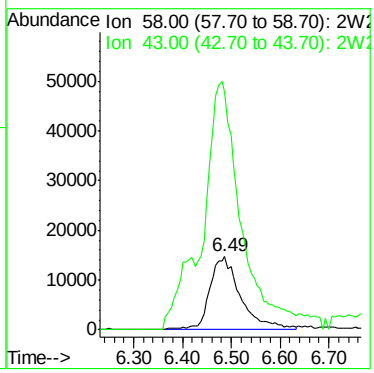
ACCUTEST Laboratories JA45062

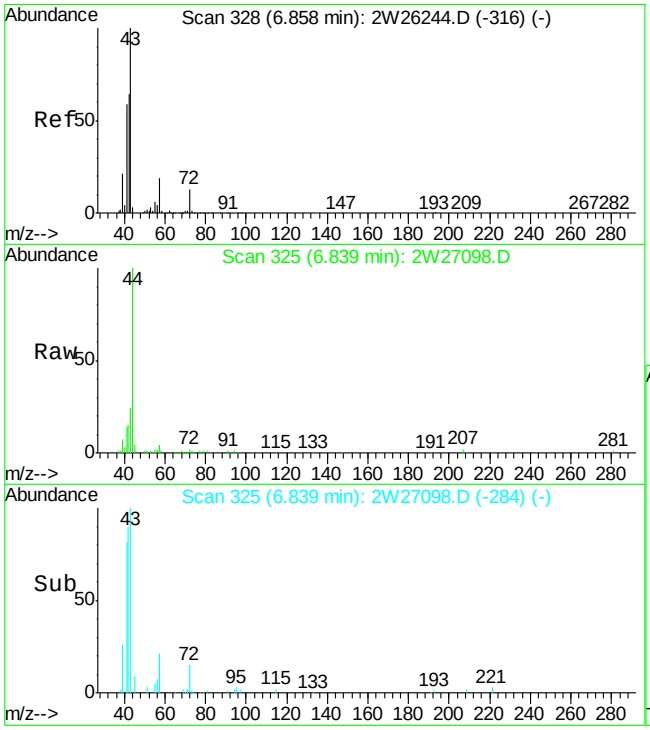


#19
ACETONE
Concen: 2.37 PPBV
RT: 6.49 min Scan# 267
Delta R.T. 0.04 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 58 Resp: 63070

Ion	Ratio	Lower	Upper
58	100		
43	312.5	315.8	355.8#

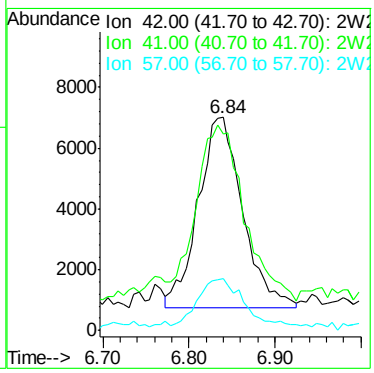


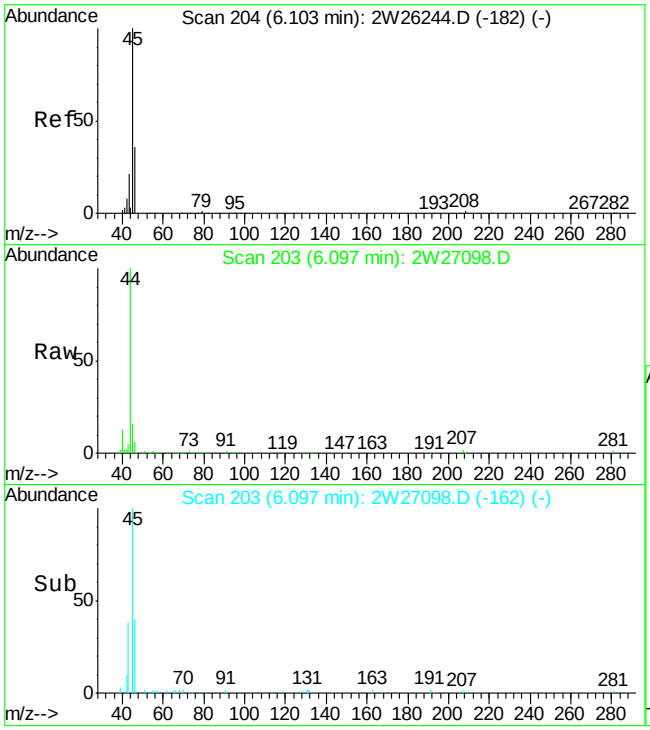


#20
PENTANE
Concen: 0.32 PPBV
RT: 6.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 42 Resp: 22348

Ion	Ratio	Lower	Upper
42	100		
41	100.2	67.5	107.5
57	28.6	6.1	46.1

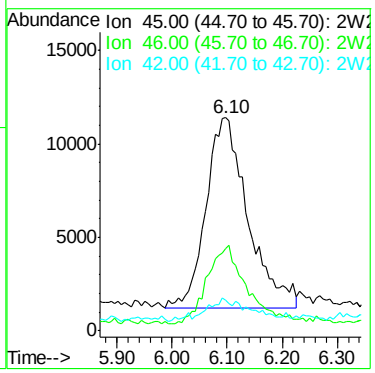


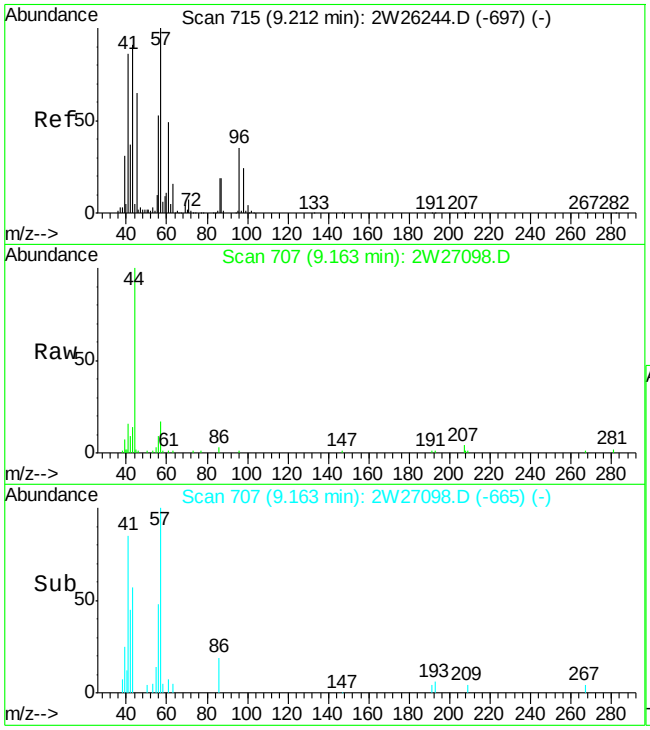


#25
ETHANOL
Concen: 2.00 PPBV
RT: 6.10 min Scan# 203
Delta R.T. 0.05 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 45 Resp: 53697

Ion	Ratio	Lower	Upper
45	100		
46	39.2	9.3	69.3
42	10.3	0.0	37.7

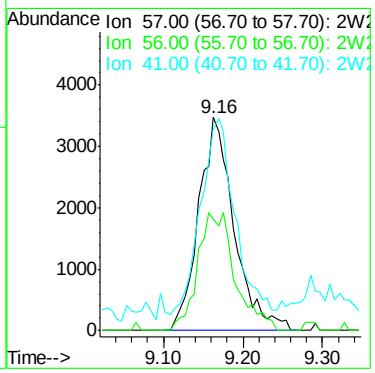


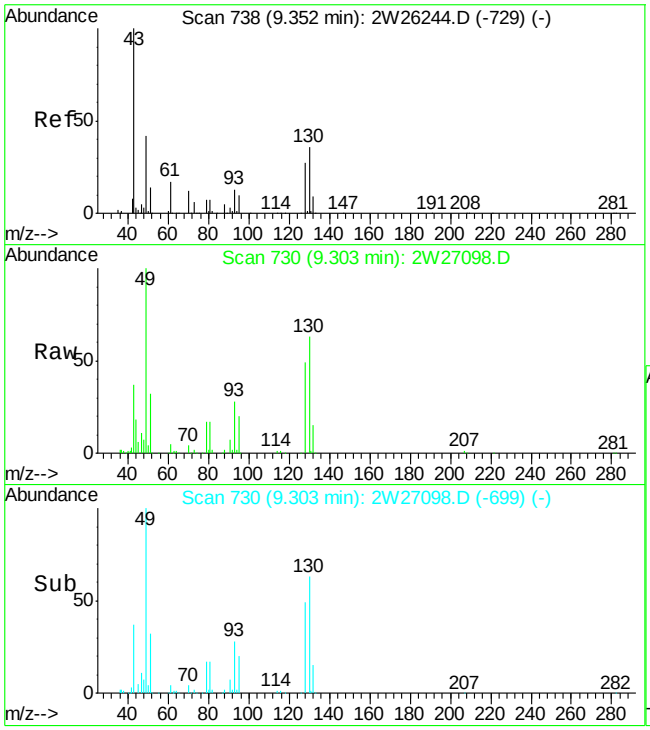


#34
HEXANE
Concen: 0.12 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 57 Resp: 10685

Ion	Ratio	Lower	Upper
57	100		
56	58.8	32.4	72.4
41	89.2	77.6	117.6

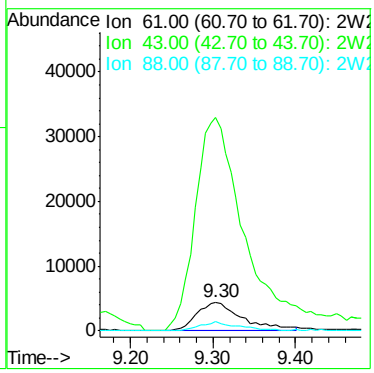


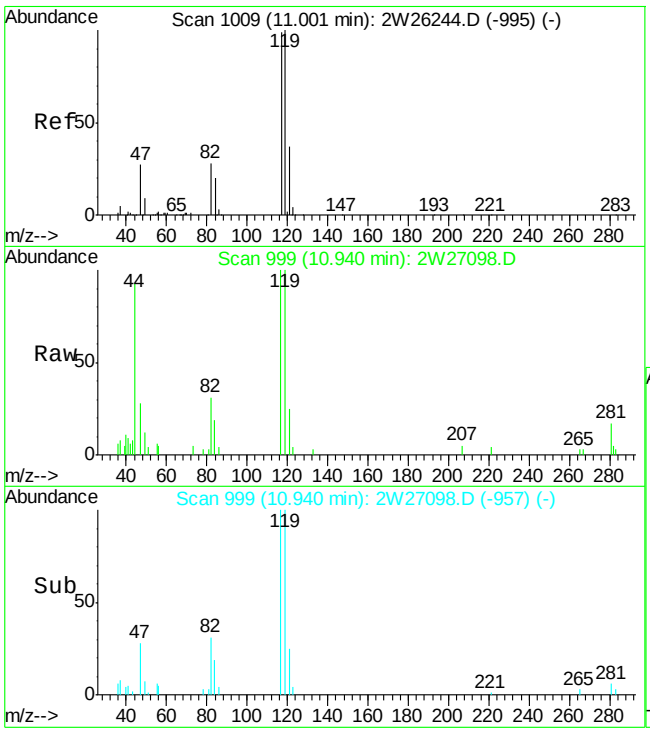


#39
ETHYL ACETATE
Concen: 1.10 PPBV
RT: 9.30 min Scan# 730
Delta R.T. 0.04 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 61 Resp: 17096

Ion	Ratio	Lower	Upper
61	100		
43	780.4	606.5	646.5#
88	26.3	4.8	44.8

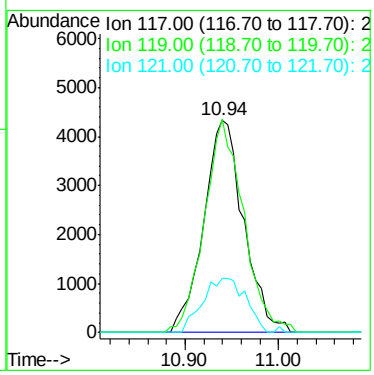




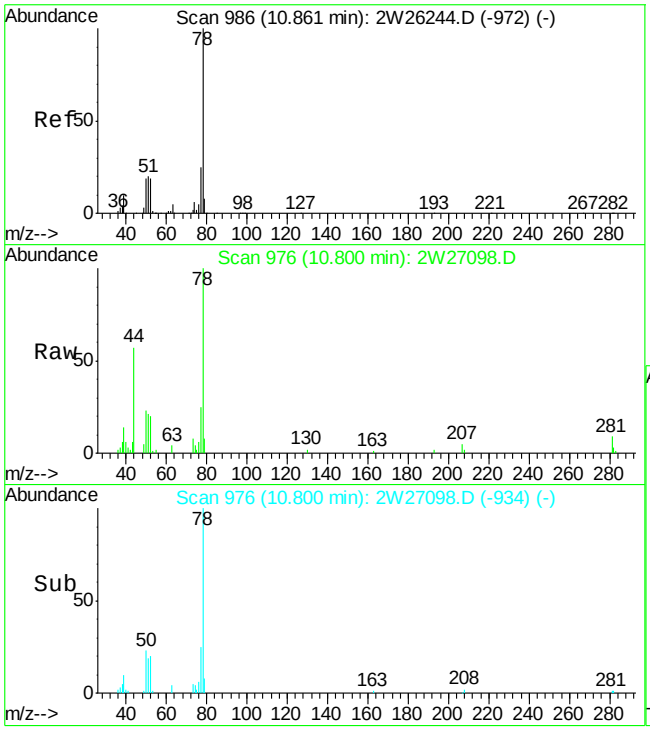
#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion:117 Resp: 13003

Ion	Ratio	Lower	Upper
117	100		
119	98.3	78.0	118.0
121	27.5	12.8	52.8



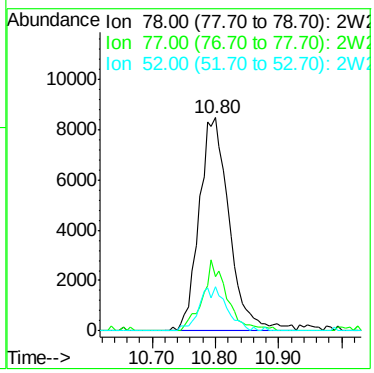
ACCUTEST Laboratories JA45062

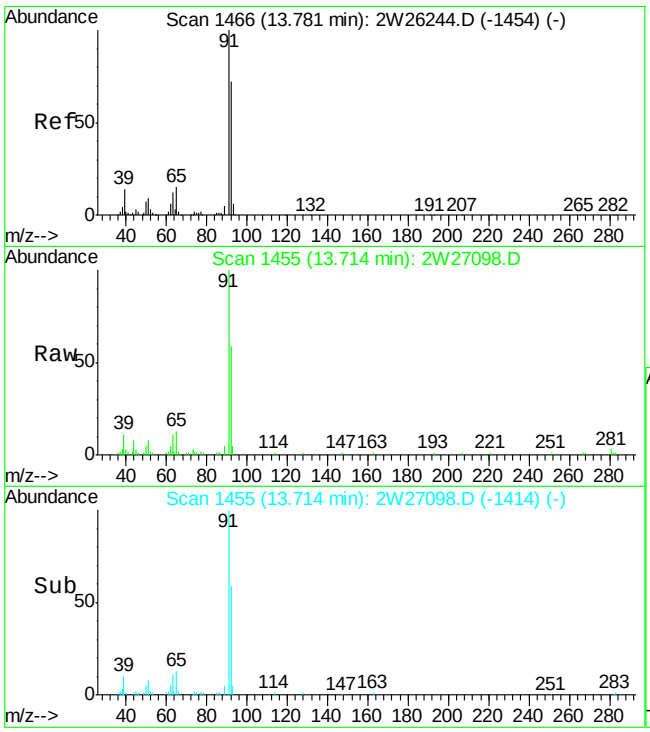


#46
BENZENE
Concen: 0.17 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 78 Resp: 28140

Ion	Ratio	Lower	Upper
78	100		
77	27.0	4.9	44.9
52	18.7	0.0	37.9

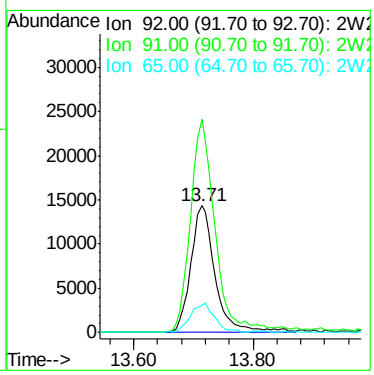


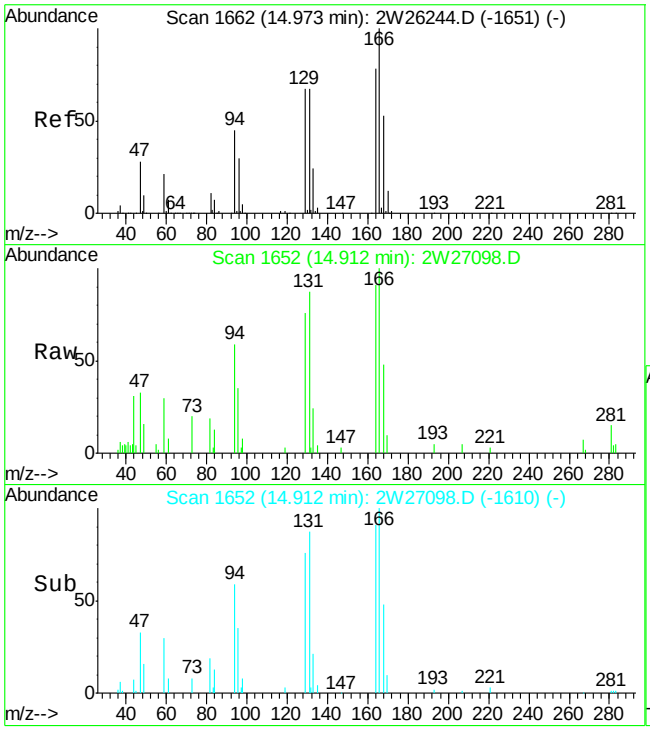


#59
TOLUENE
Concen: 0.41 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion: 92 Resp: 40631

Ion	Ratio	Lower	Upper
92	100		
91	174.6	136.6	176.6
65	22.9	0.9	40.9

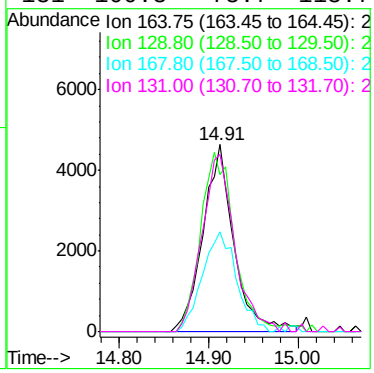


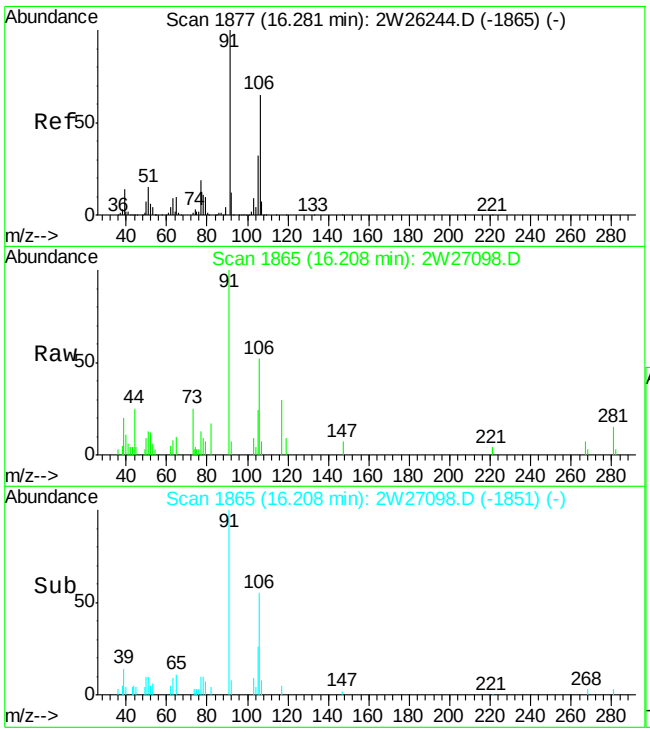


#64
TETRACHLOROETHYLENE
Concen: 0.19 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion:164 Resp: 11062

Ion	Ratio	Lower	Upper
164	100		
129	106.4	76.6	116.6
168	59.2	44.5	84.5
131	100.3	73.7	113.7

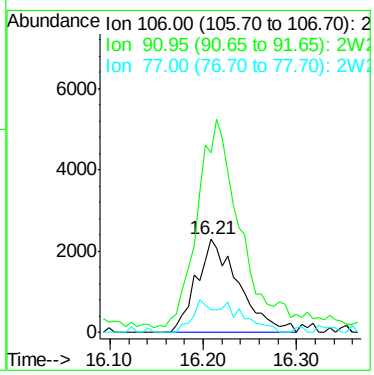




#71
m,p-XYLENE
Concen: 0.10 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27098.D
Acq: 5 May 2010 12:32 am

Tgt Ion:106 Resp: 7275

Ion	Ratio	Lower	Upper
106	100		
91	191.7	138.6	207.8
77	24.4	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27099.D Vial: 12
Acq On : 5 May 2010 1:15 am Operator: yunxiac
Sample : ja45062-17 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:07 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

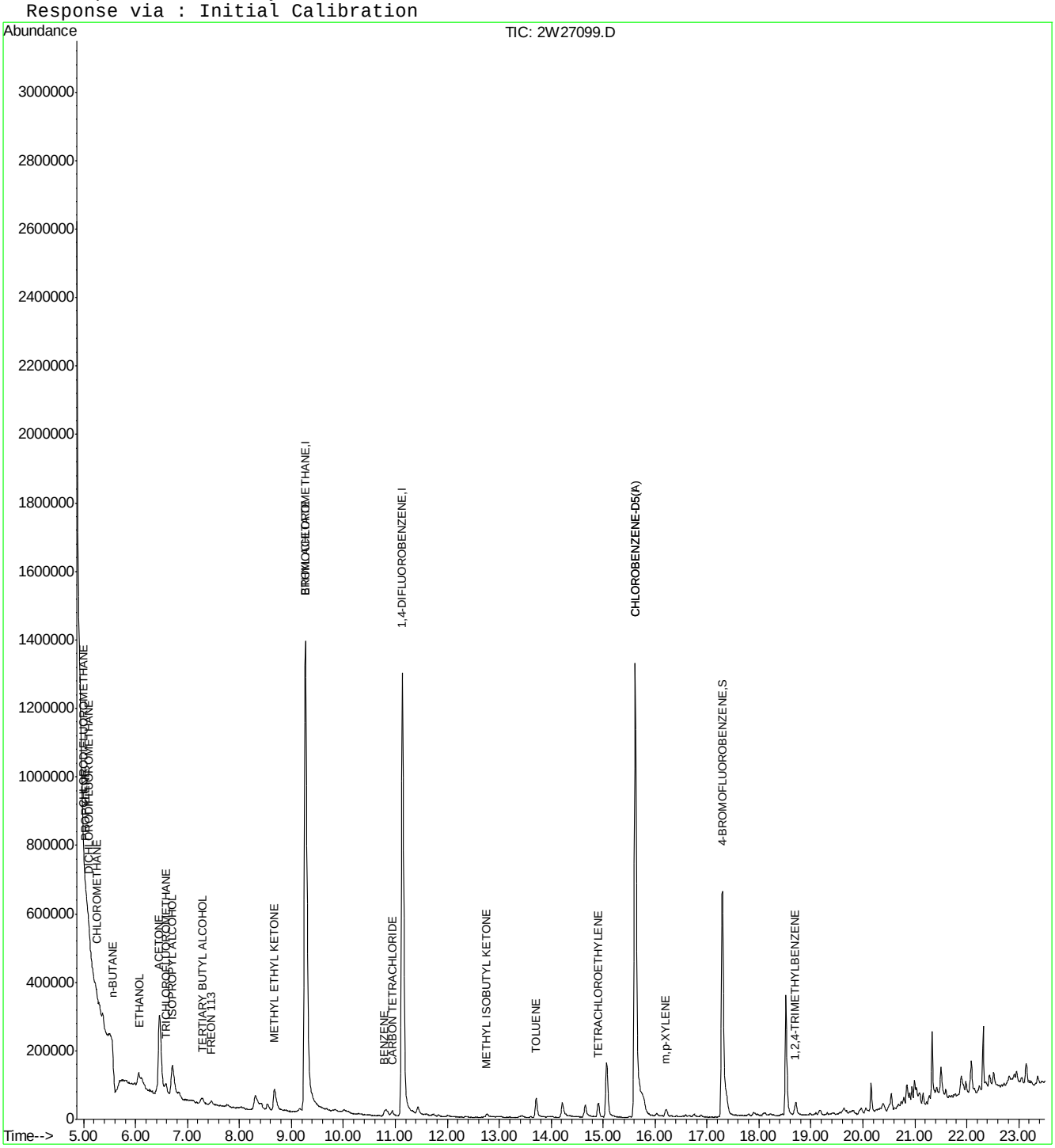
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	313122	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1564282	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	832727	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	832727	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	409453	4.73	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	97404	0.68	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	12083	0.74	PPBV	#	41
6) PROPYLENE	5.04	41	17785	0.29	PPBV	#	62
9) CHLOROMETHANE	5.25	52	13270	0.56	PPBV	#	81
12) n-BUTANE	5.56	43	44624	0.39	PPBV	#	97
17) TRICHLOROFLUOROMETHANE	6.59	101	49987	0.41	PPBV		98
18) ISOPROPYL ALCOHOL	6.71	45	288297	3.24	PPBV		88
19) ACETONE	6.46	58	177597	7.26	PPBV	#	83
25) ETHANOL	6.07	45	142290	5.76	PPBV		96
29) FREON 113	7.47	151	5935	0.10	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.29	59	12292	0.14	PPBV	#	63
37) METHYL ETHYL KETONE	8.67	72	32411	1.44	PPBV	#	74
39) ETHYL ACETATE	9.27	61	246087	17.30	PPBV	#	92
43) CARBON TETRACHLORIDE	10.95	117	12254	0.12	PPBV		97
46) BENZENE	10.79	78	20233	0.12	PPBV		94
57) METHYL ISOBUTYL KETONE	12.76	43	11650	0.12	PPBV		93
59) TOLUENE	13.71	92	35746	0.36	PPBV		88
64) TETRACHLOROETHYLENE	14.91	164	12080	0.21	PPBV		94
71) m,p-XYLENE	16.21	106	10385	0.15	PPBV	#	72
84) 1,2,4-TRIMETHYLBENZENE	18.69	105	12610	0.11	PPBV	#	28

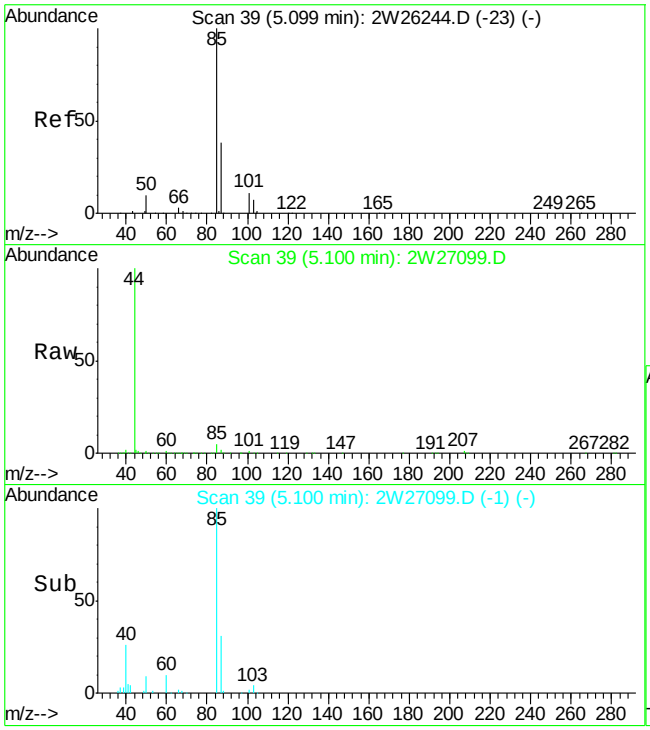
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27099.D Vial: 12
Acq On : 5 May 2010 1:15 am Operator: yunxiac
Sample : ja45062-17 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:43 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

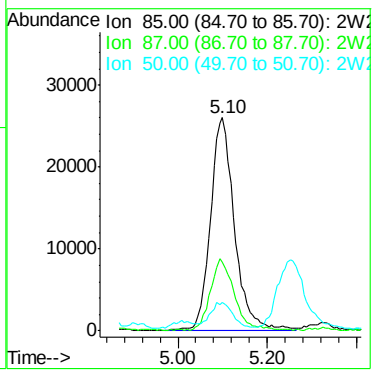


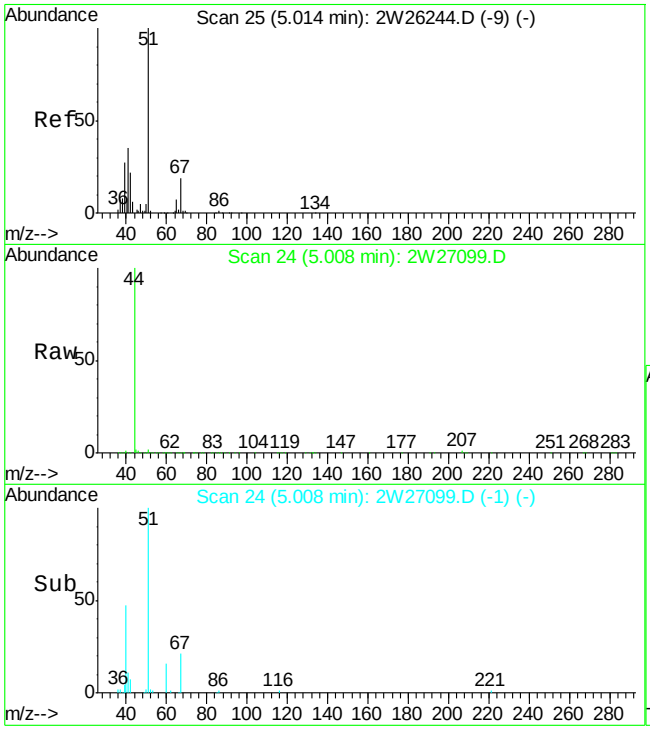


#3
DICHLORODIFLUOROMETHANE
Concen: 0.68 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 85 Resp: 97404

Ion	Ratio	Lower	Upper
85	100		
87	33.8	14.2	54.2
50	10.9	0.0	31.0

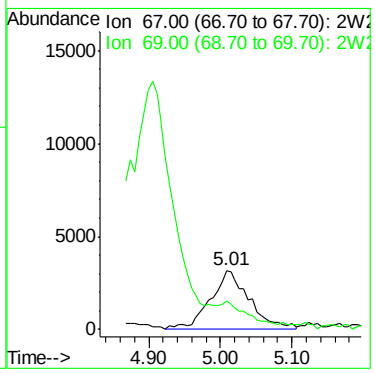


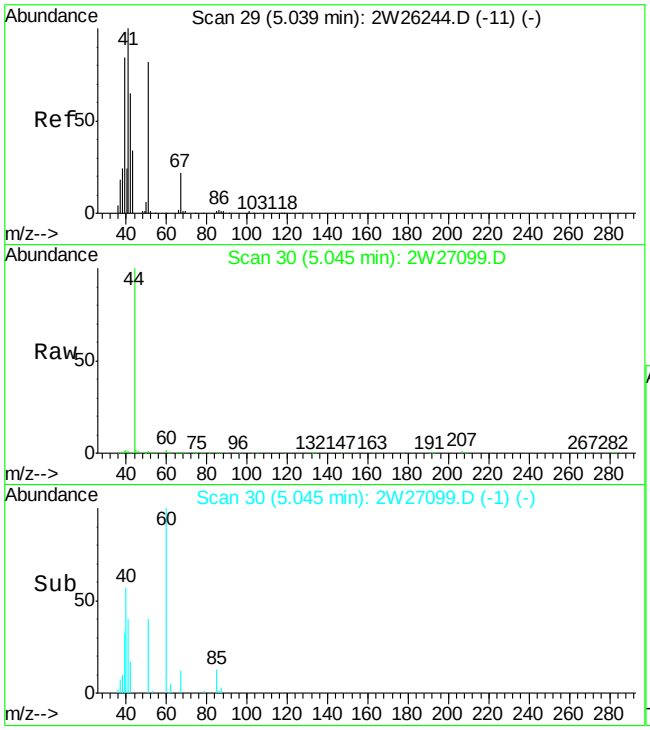


#5
CHLORODIFLUOROMETHANE
Concen: 0.74 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 67 Resp: 12083

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

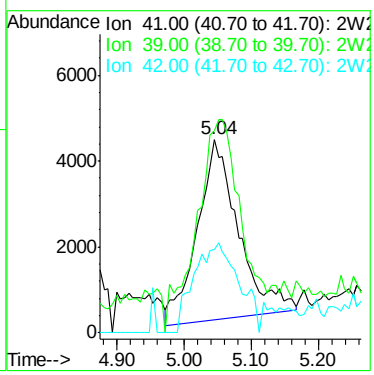


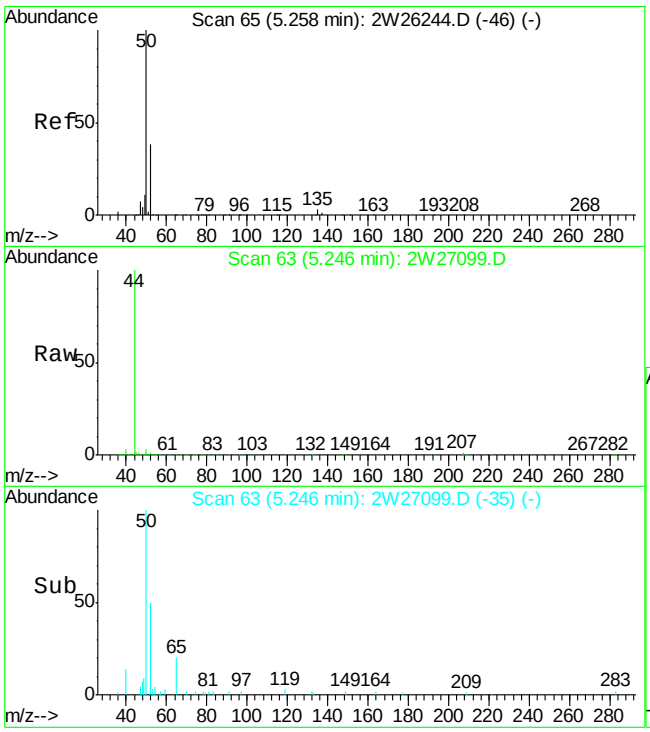


#6
PROPYLENE
Concen: 0.29 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 41 Resp: 17785

Ion	Ratio	Lower	Upper
41	100		
39	104.7	47.9	87.9#
42	43.0	47.3	87.3#

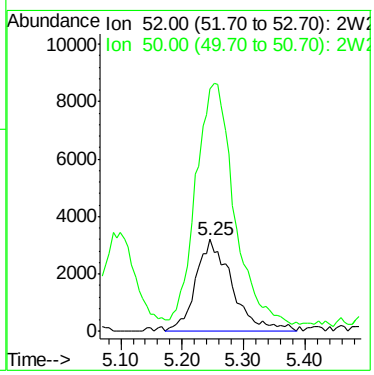




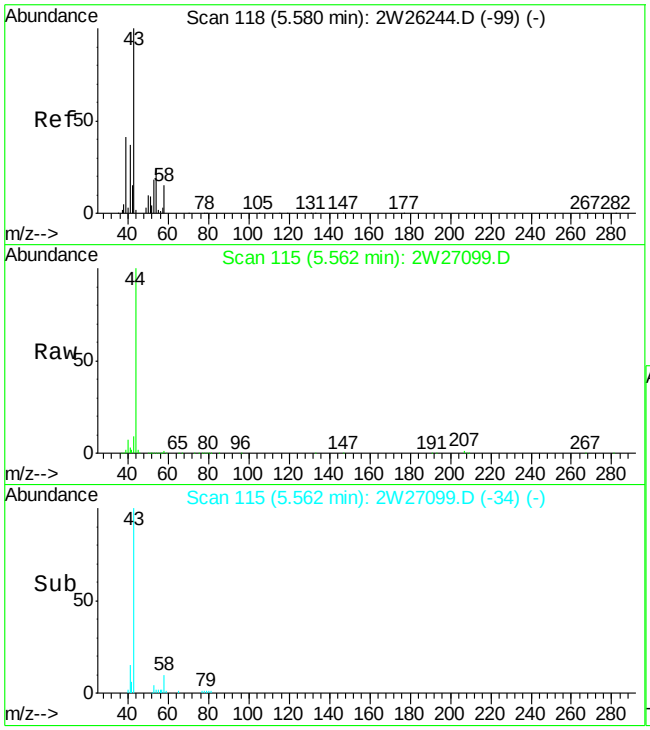
#9
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 52 Resp: 13270

Ion	Ratio	Lower	Upper
52	100		
50	252.5	268.7	308.7#



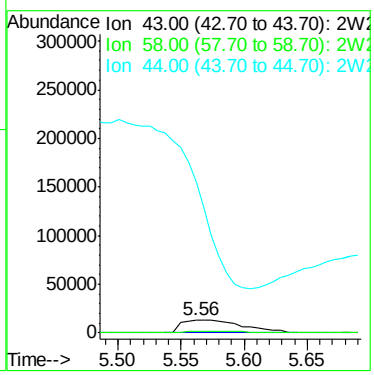
ACCUTEST Laboratories JA45062

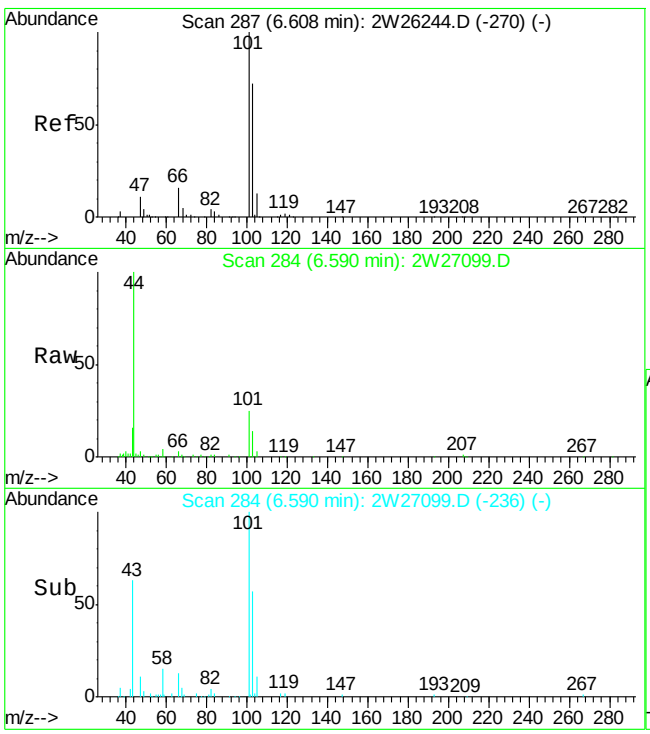


#12
n-BUTANE
Concen: 0.39 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 43 Resp: 44624

Ion	Ratio	Lower	Upper
43	100		
58	13.8	10.6	15.8
44	0.0	2.3	3.5#

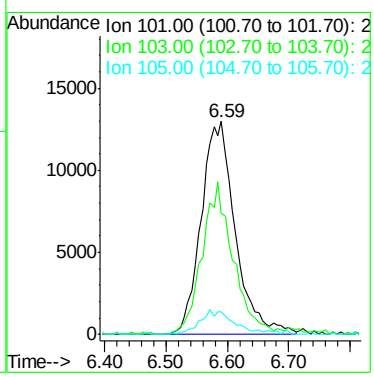


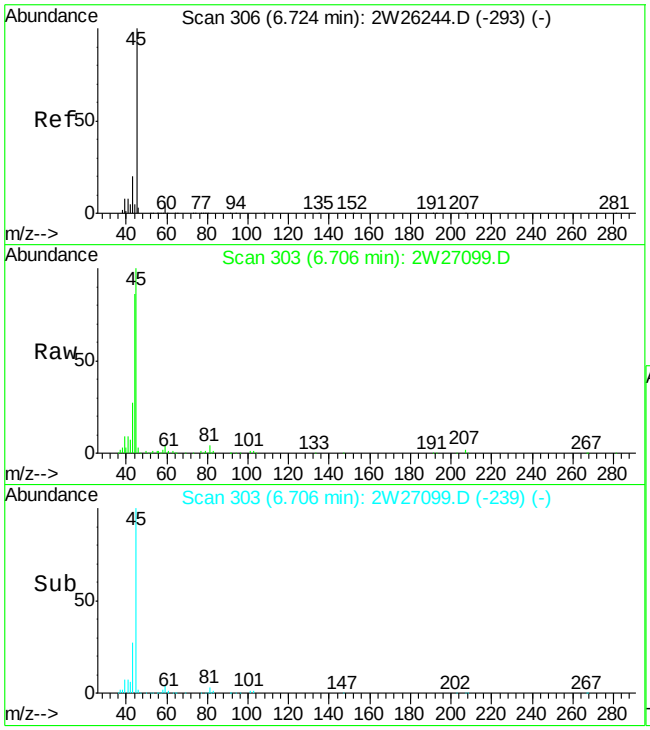


#17
TRICHLOROFLUOROMETHANE
Concen: 0.41 PPBV
RT: 6.59 min Scan# 284
Delta R.T. 0.02 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:101 Resp: 49987

Ion	Ratio	Lower	Upper
101	100		
103	65.4	46.7	86.7
105	11.7	0.0	31.2

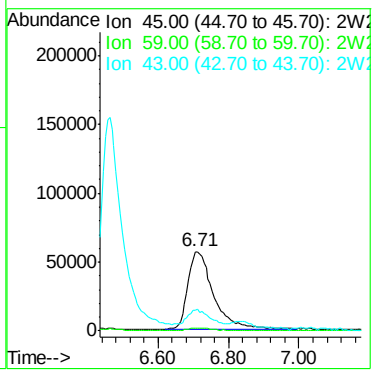


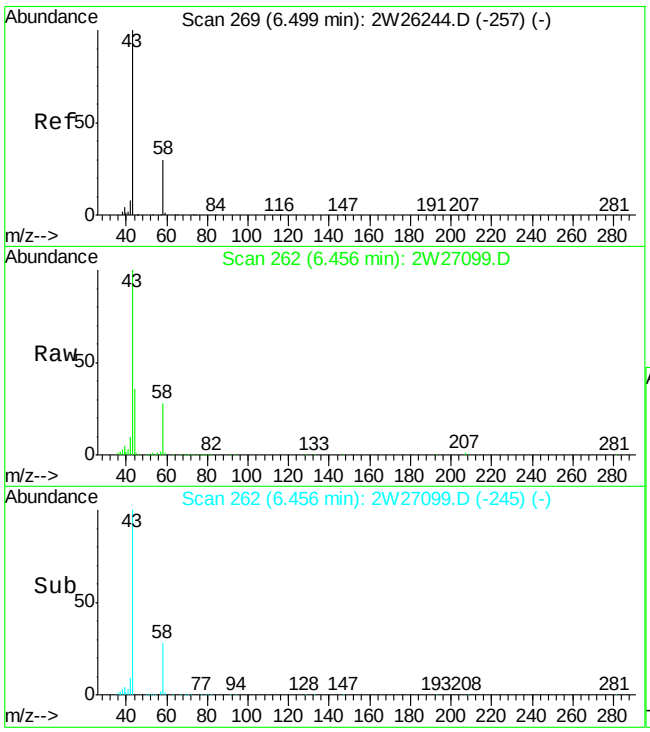


#18
ISOPROPYL ALCOHOL
Concen: 3.24 PPBV
RT: 6.71 min Scan# 303
Delta R.T. 0.04 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 45 Resp: 288297

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.1
43	26.6	0.2	40.2

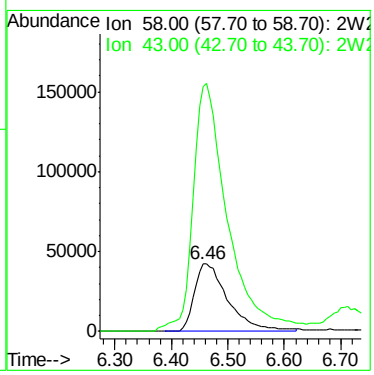


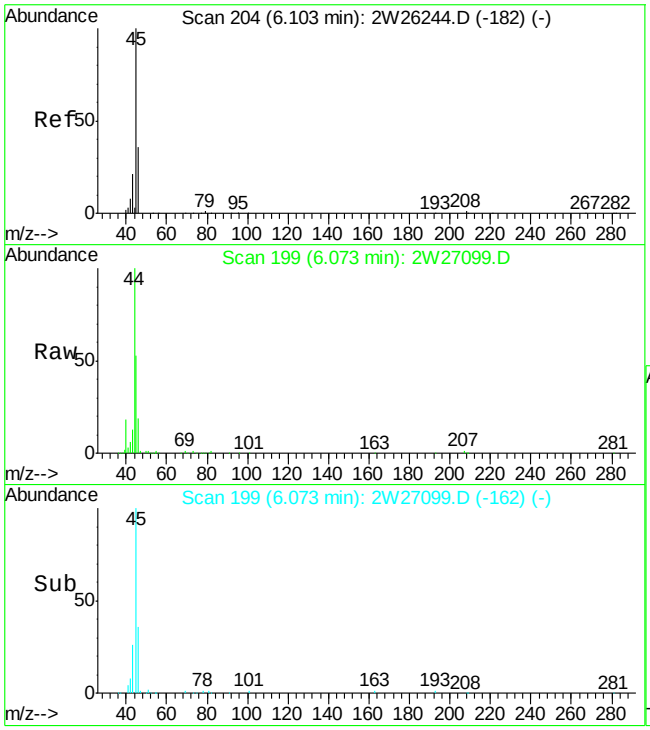


#19
ACETONE
Concen: 7.26 PPBV
RT: 6.46 min Scan# 262
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 58 Resp: 177597

Ion	Ratio	Lower	Upper
58	100		
43	370.8	315.8	355.8#

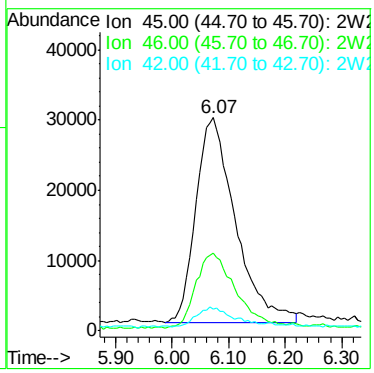


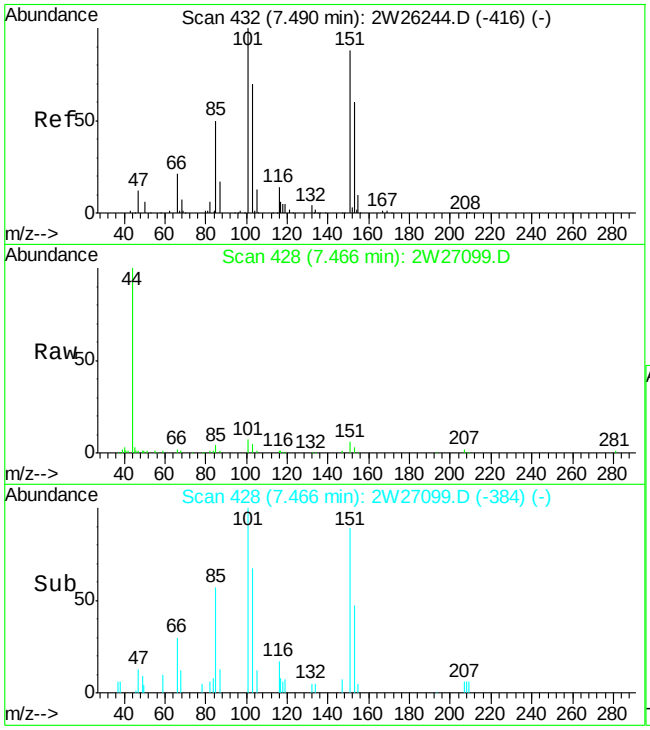


#25
ETHANOL
Concen: 5.76 PPBV
RT: 6.07 min Scan# 199
Delta R.T. 0.02 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 45 Resp: 142290

Ion	Ratio	Lower	Upper
45	100		
46	37.1	9.3	69.3
42	10.2	0.0	37.7

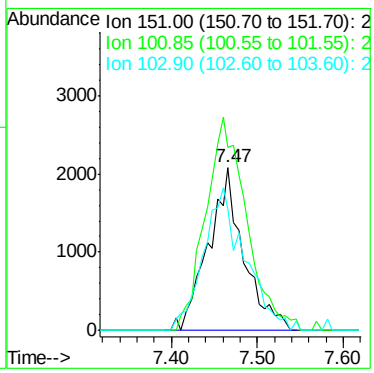


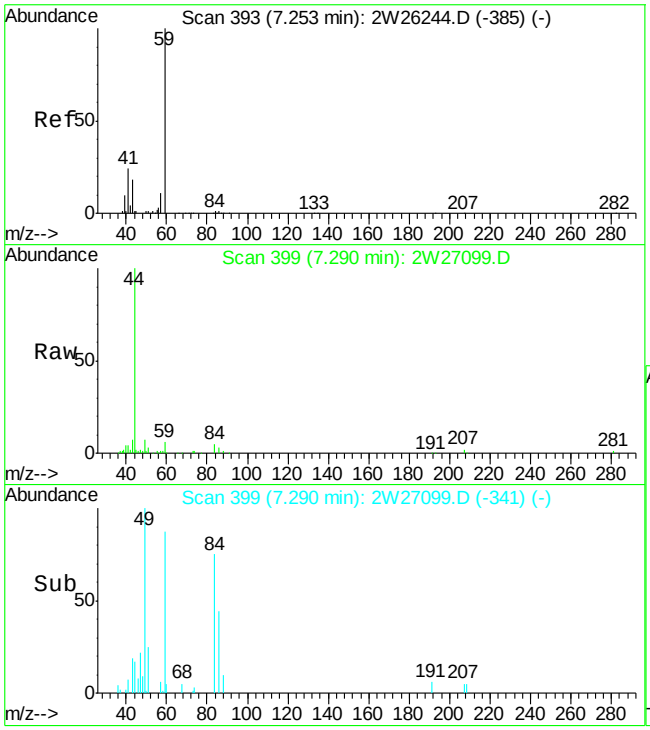


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.47 min Scan# 428
Delta R.T. 0.02 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:151 Resp: 5935

Ion	Ratio	Lower	Upper
151	100		
101	152.2	124.8	164.8
103	103.4	75.2	115.2

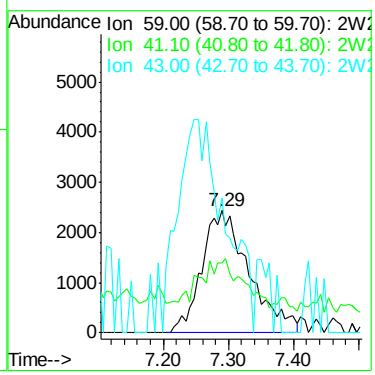


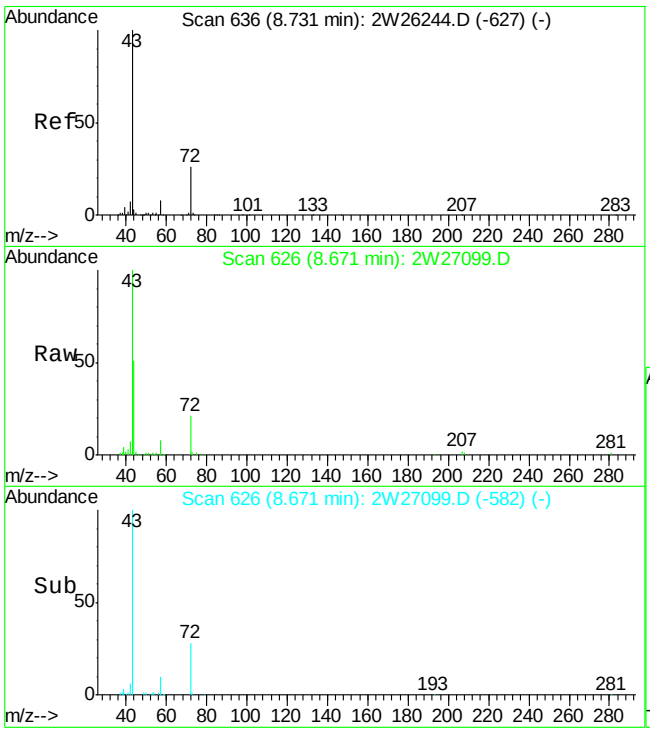


#31
TERTIARY BUTYL ALCOHOL
Concen: 0.14 PPBV
RT: 7.29 min Scan# 399
Delta R.T. 0.10 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 59 Resp: 12292

Ion	Ratio	Lower	Upper
59	100		
41	37.6	0.0	39.6
43	0.0	0.0	33.6

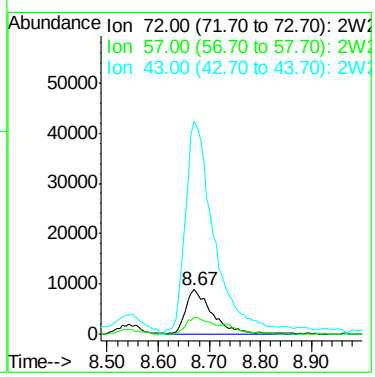


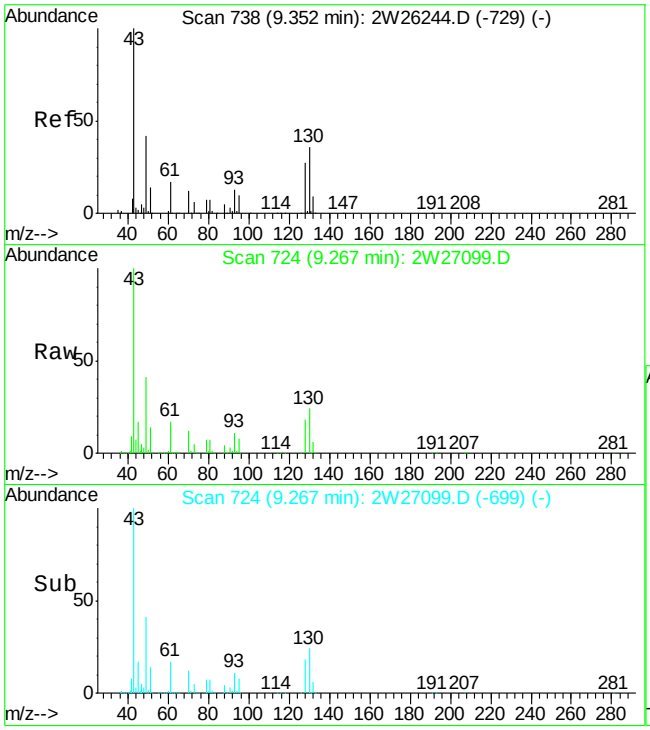


#37
METHYL ETHYL KETONE
Concen: 1.44 PPBV
RT: 8.67 min Scan# 626
Delta R.T. 0.02 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 72 Resp: 32411

Ion	Ratio	Lower	Upper
72	100		
57	37.1	13.8	53.8
43	474.8	389.3	429.3#

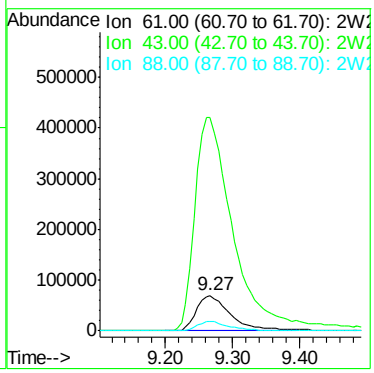


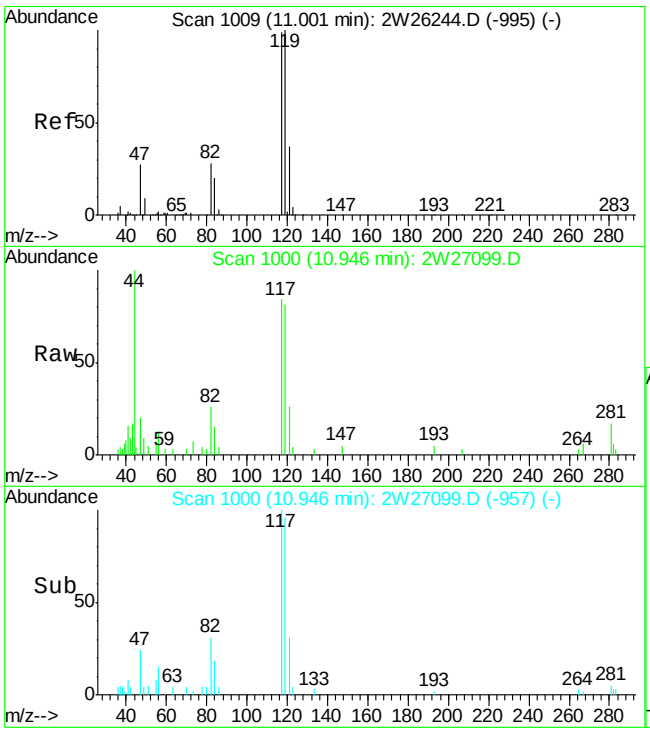


#39
ETHYL ACETATE
Concen: 17.30 PPBV
RT: 9.27 min Scan# 724
Delta R.T. 0.00 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 61 Resp: 246087

Ion	Ratio	Lower	Upper
61	100		
43	654.6	606.5	646.5#
88	25.7	4.8	44.8

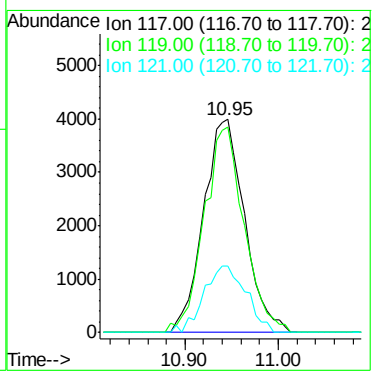


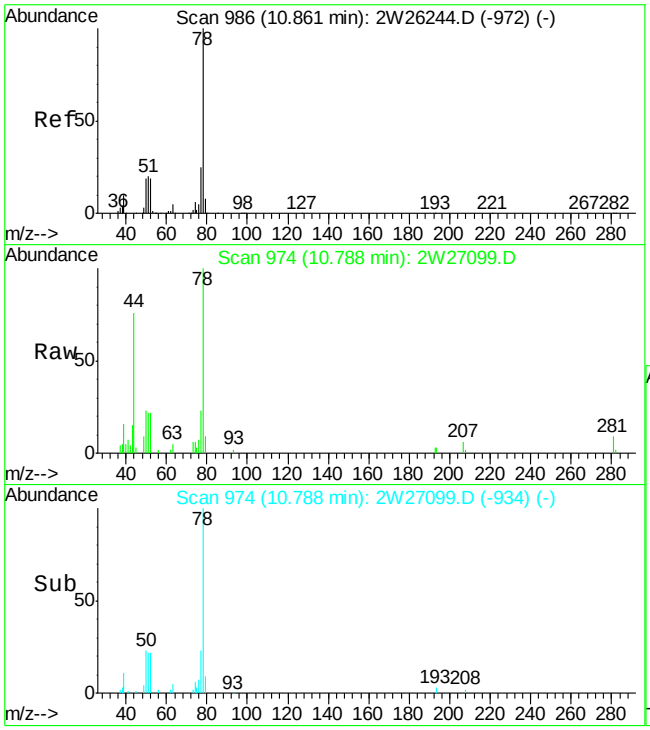


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:117 Resp: 12254

Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.0	118.0
121	32.1	12.8	52.8

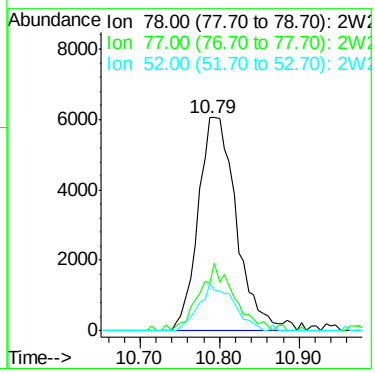


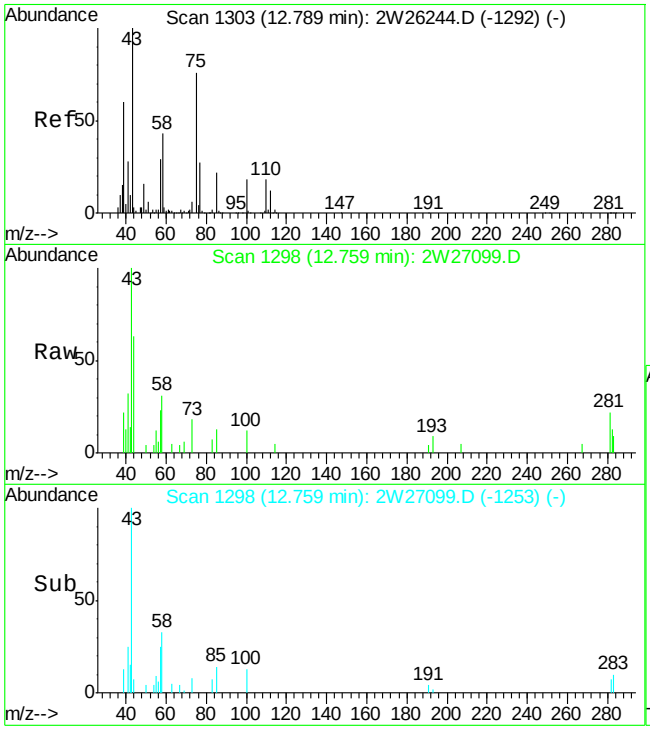


#46
BENZENE
Concen: 0.12 PPBV
RT: 10.79 min Scan# 974
Delta R.T. -0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 78 Resp: 20233

Ion	Ratio	Lower	Upper
78	100		
77	28.7	4.9	44.9
52	20.0	0.0	37.9

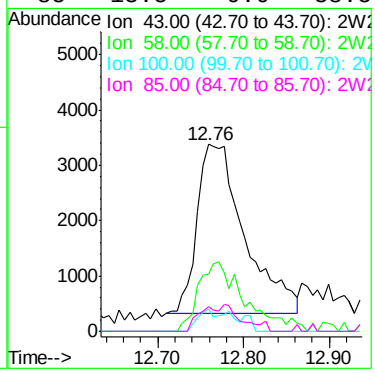


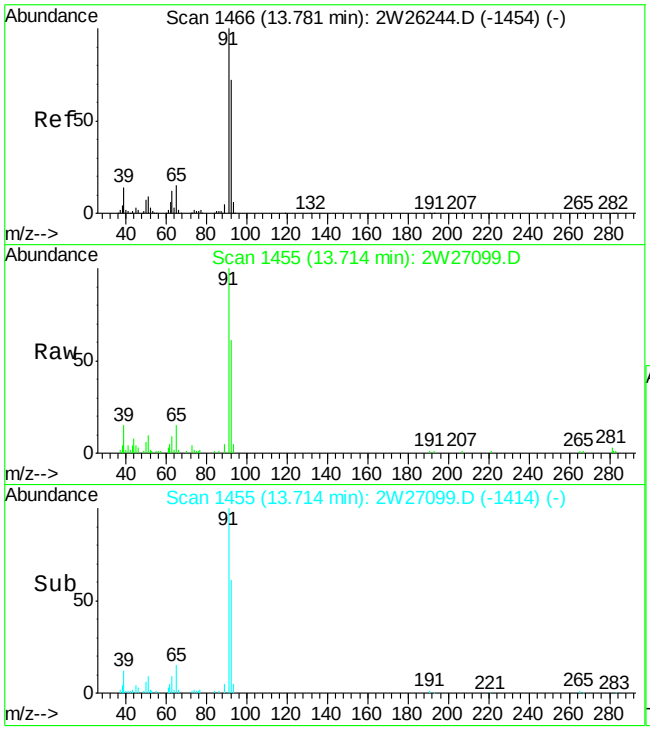


#57
METHYL ISOBUTYL KETONE
Concen: 0.12 PPBV
RT: 12.76 min Scan# 1298
Delta R.T. 0.06 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 43 Resp: 11650

Ion	Ratio	Lower	Upper
43	100		
58	40.3	22.9	62.9
100	10.3	0.0	34.0
85	13.5	0.0	38.5

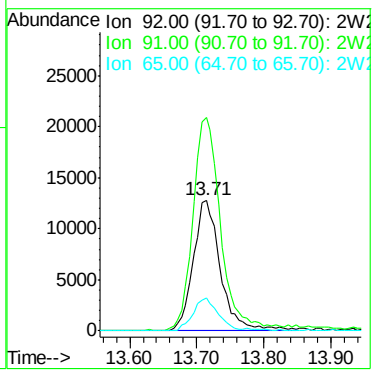


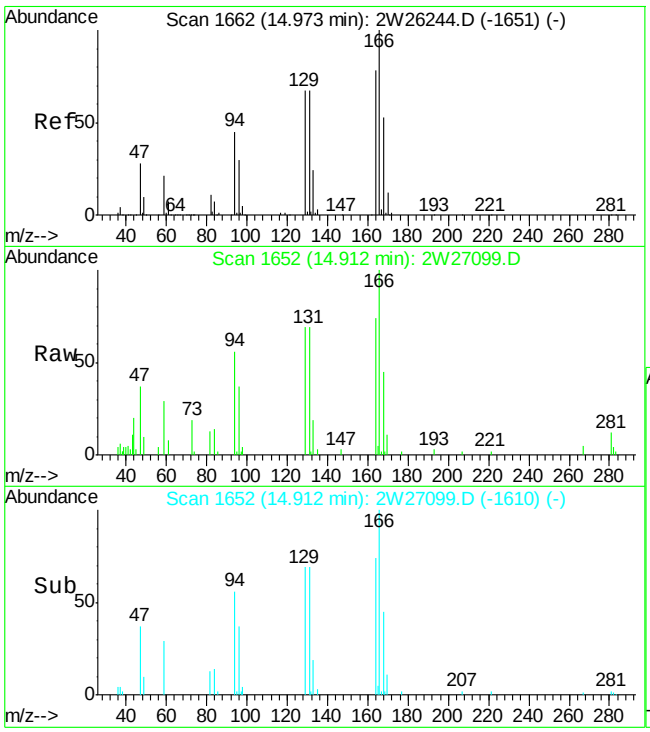


#59
TOLUENE
Concen: 0.36 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion: 92 Resp: 35746

Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.6	176.6
65	23.8	0.9	40.9

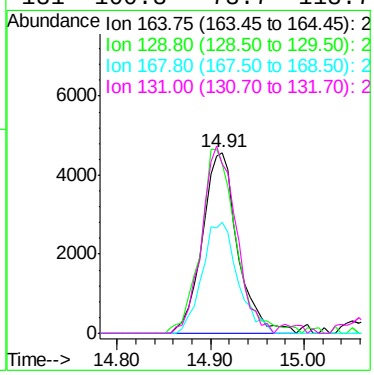


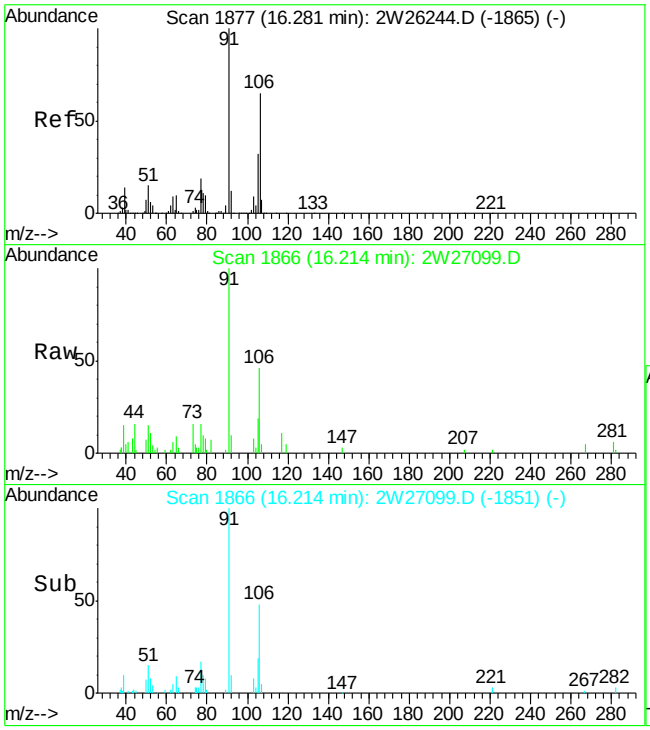


#64
TETRACHLOROETHYLENE
Concen: 0.21 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:164 Resp: 12080

Ion	Ratio	Lower	Upper
164	100		
129	103.0	76.6	116.6
168	61.8	44.5	84.5
131	100.3	73.7	113.7

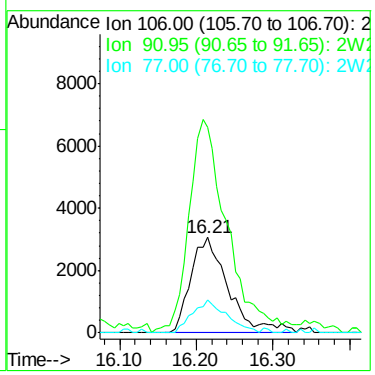


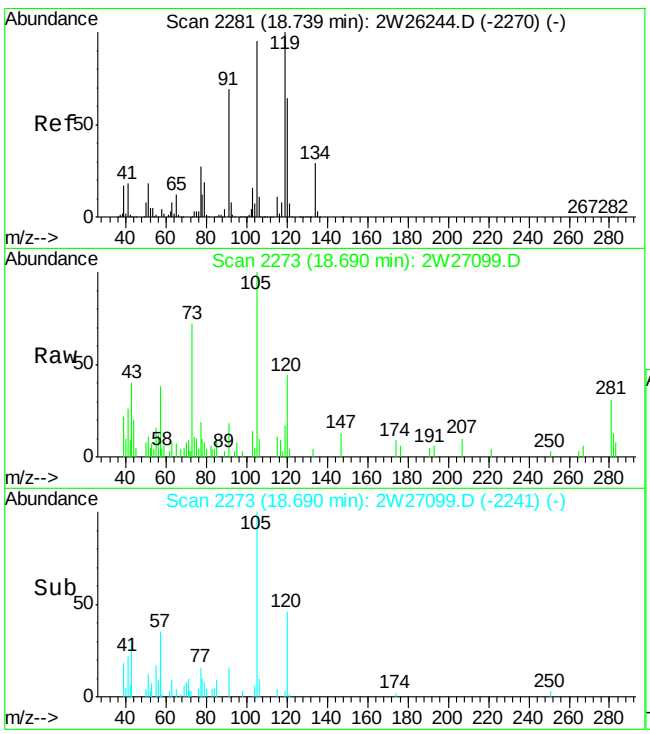


#71
m,p-XYLENE
Concen: 0.15 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:106 Resp: 10385

Ion	Ratio	Lower	Upper
106	100		
91	215.4	138.6	207.8#
77	35.0	23.5	35.3

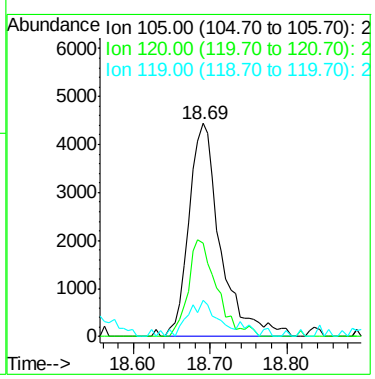




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 18.69 min Scan# 2273
Delta R.T. 0.01 min
Lab File: 2W27099.D
Acq: 5 May 2010 1:15 am

Tgt Ion:105 Resp: 12610

Ion	Ratio	Lower	Upper
105	100		
120	41.4	41.5	81.5#
119	15.7	102.3	142.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27100.D Vial: 13
Acq On : 5 May 2010 1:57 am Operator: yunxiac
Sample : ja45062-18 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:13 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

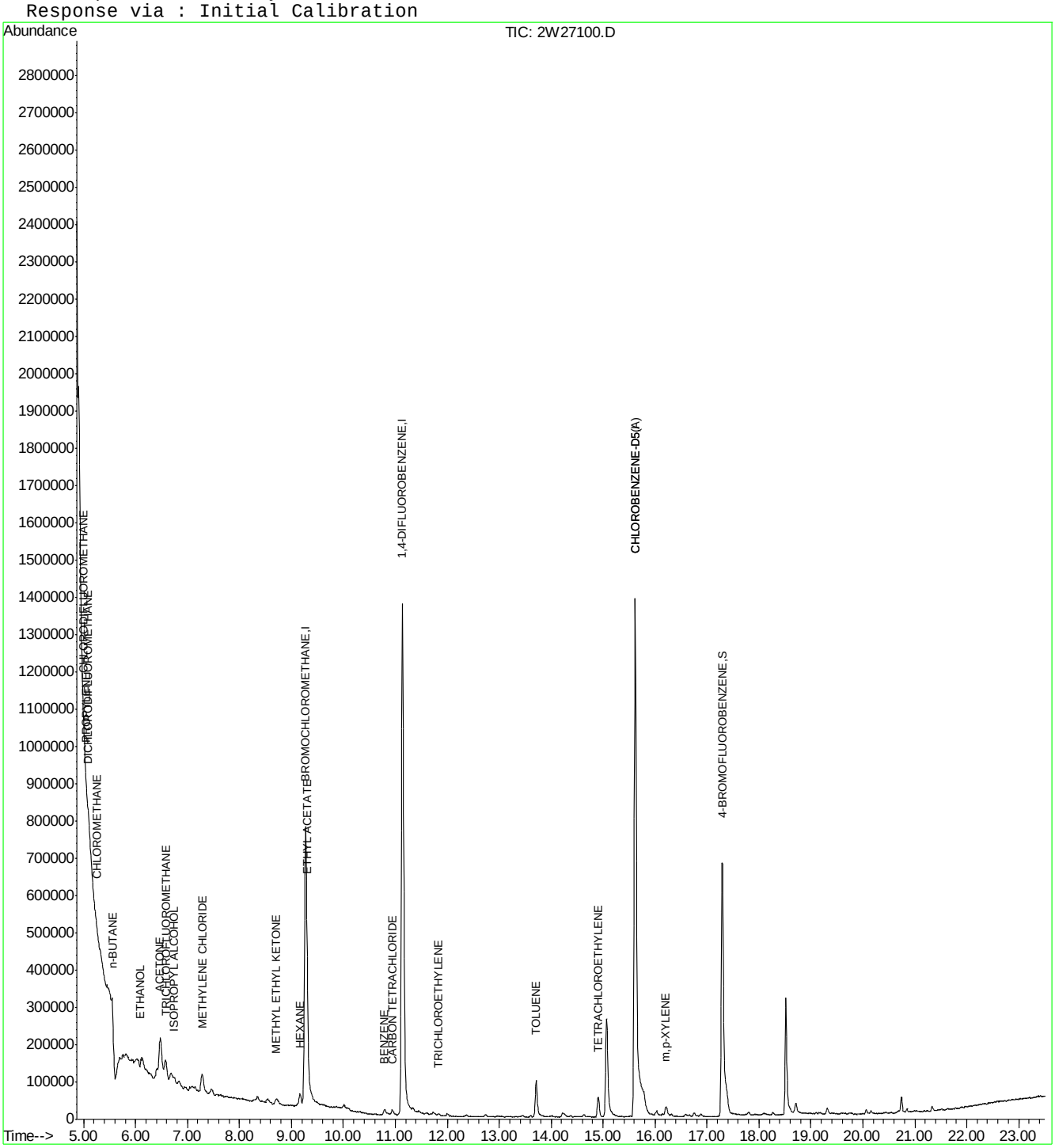
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	340767	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1654921	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	888530	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	888530	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	435680	4.72	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	98647	0.63	PPBV		98
5) CHLORODIFLUOROMETHANE	5.00	67	17243	0.96	PPBV	#	41
6) PROPYLENE	5.06	41	14689	0.22	PPBV	#	57
9) CHLOROMETHANE	5.25	52	13689	0.53	PPBV		93
12) n-BUTANE	5.57	43	56201	0.46	PPBV	#	95
17) TRICHLOROFLUOROMETHANE	6.58	101	96039	0.72	PPBV		98
18) ISOPROPYL ALCOHOL	6.74	45	66012	0.68	PPBV		74
19) ACETONE	6.47	58	88699	3.33	PPBV	#	79
25) ETHANOL	6.09	45	86295	3.21	PPBV		97
27) METHYLENE CHLORIDE	7.28	84	42237	0.89	PPBV		93
34) HEXANE	9.18	57	23049	0.25	PPBV		92
37) METHYL ETHYL KETONE	8.70	72	5885	0.24	PPBV	#	57
39) ETHYL ACETATE	9.30	61	10009	0.65	PPBV	#	48
43) CARBON TETRACHLORIDE	10.94	117	12863	0.11	PPBV		98
46) BENZENE	10.80	78	19517	0.11	PPBV		95
49) TRICHLOROETHYLENE	11.83	95	3001	0.04	PPBV		88
59) TOLUENE	13.71	92	62461	0.60	PPBV	#	84
64) TETRACHLOROETHYLENE	14.91	164	15914	0.25	PPBV		94
71) m,p-XYLENE	16.21	106	12575	0.17	PPBV	#	67

(#) = qualifier out of range (m) = manual integration (+) = signals summed

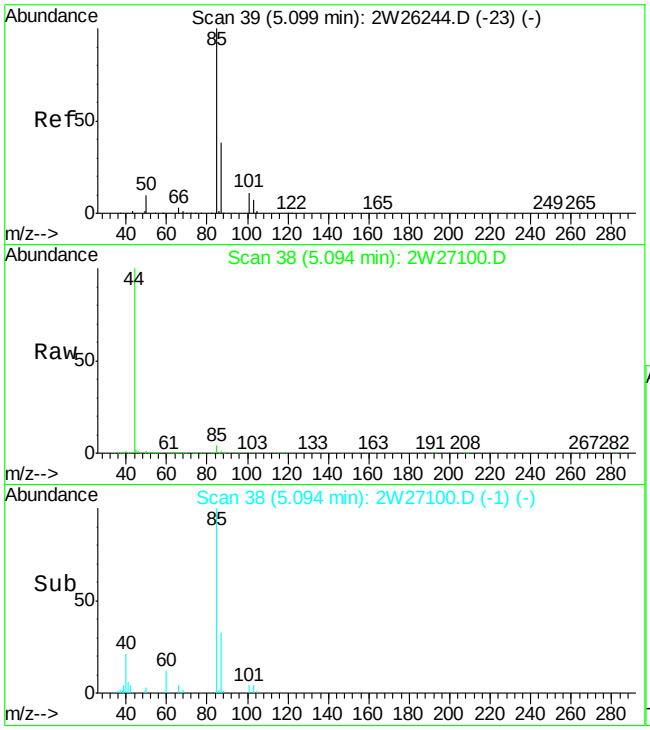
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27100.D Vial: 13
Acq On : 5 May 2010 1:57 am Operator: yunxiac
Sample : ja45062-18 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:44 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



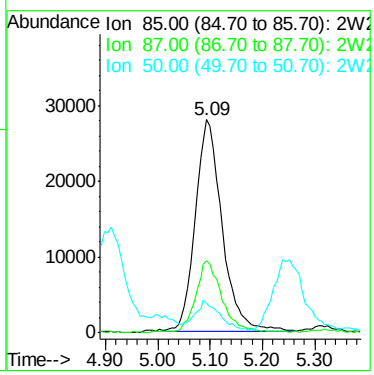
2W27100.D M2W1138.M Wed May 05 10:22:43 2010 MS2W Page 2

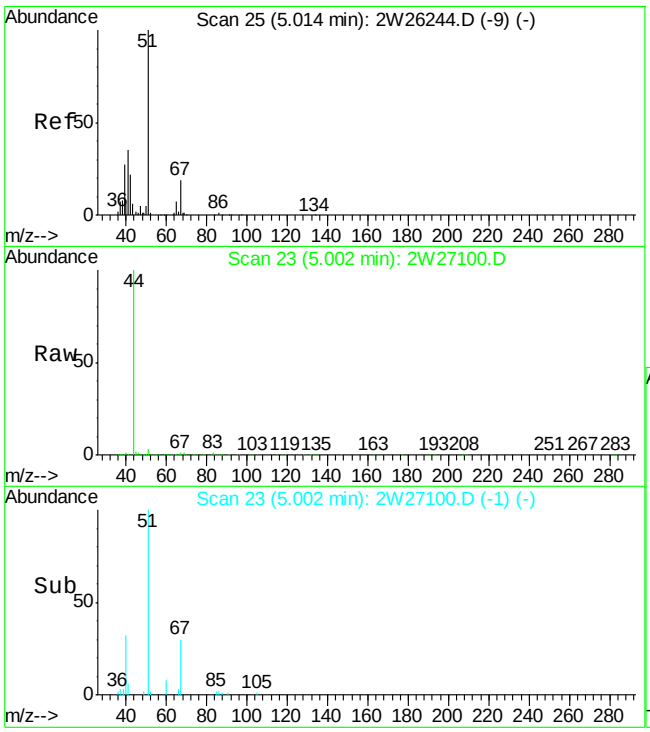


#3
DICHLORODIFLUOROMETHANE
Concen: 0.63 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 85 Resp: 98647

Ion	Ratio	Lower	Upper
85	100		
87	34.6	14.2	54.2
50	13.0	0.0	31.0

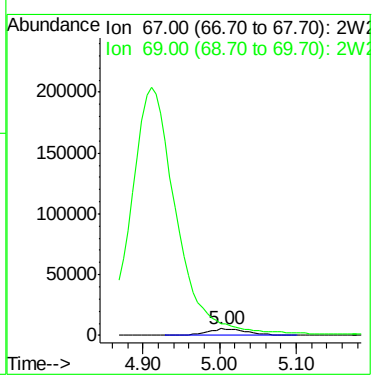


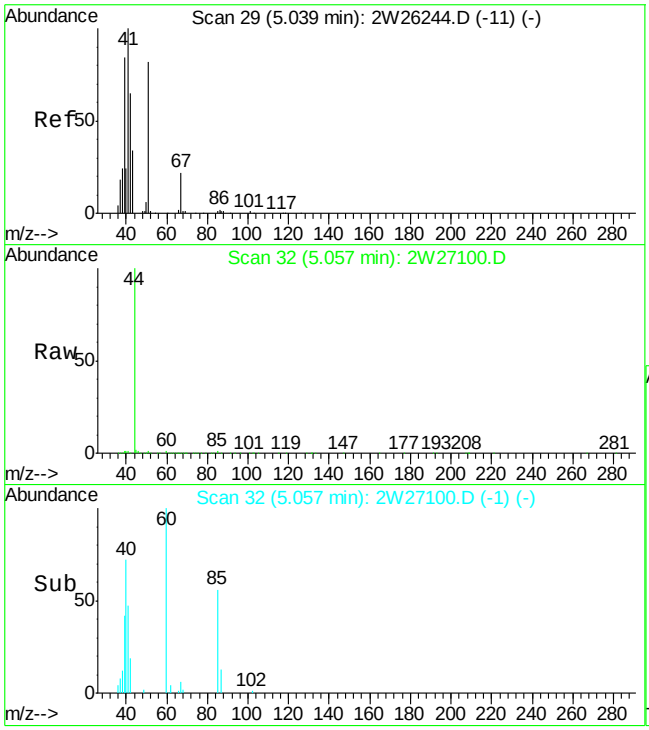


#5
CHLORODIFLUOROMETHANE
Concen: 0.96 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 67 Resp: 17243

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

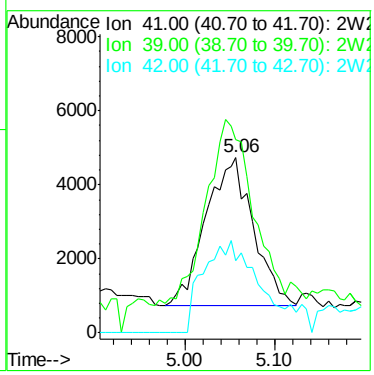


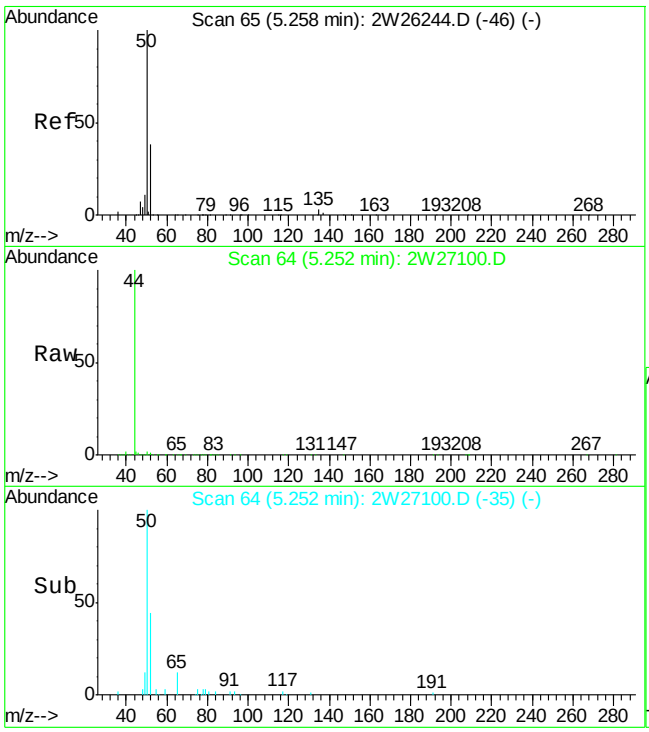


#6
PROPYLENE
Concen: 0.22 PPBV
RT: 5.06 min Scan# 32
Delta R.T. 0.03 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 41 Resp: 14689

Ion	Ratio	Lower	Upper
41	100		
39	110.5	47.9	87.9#
42	41.1	47.3	87.3#

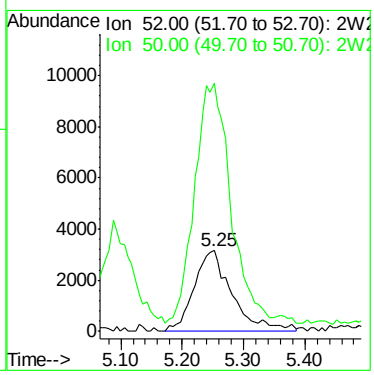


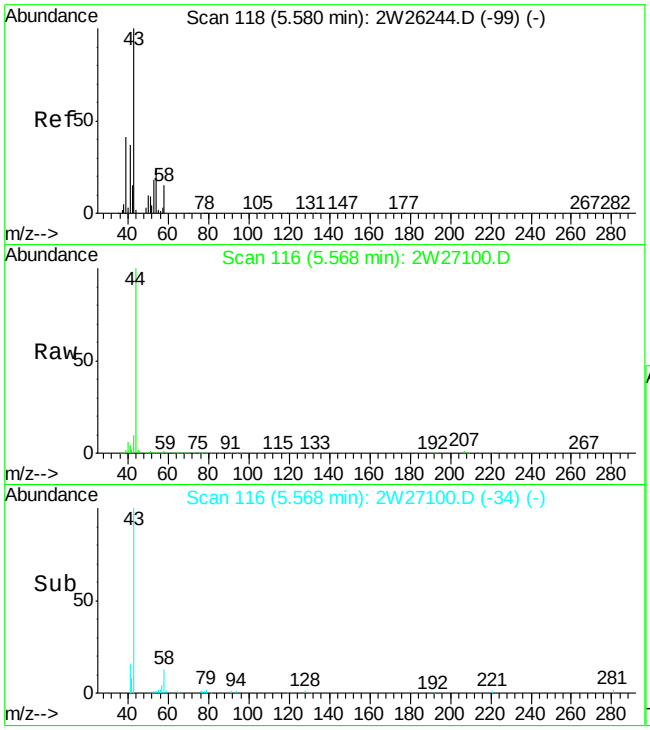


#9
CHLOROMETHANE
Concen: 0.53 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 52 Resp: 13689

Ion	Ratio	Lower	Upper
52	100		
50	302.1	268.7	308.7

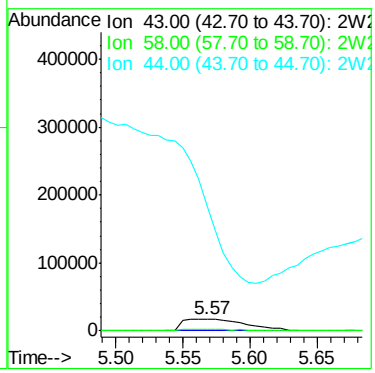


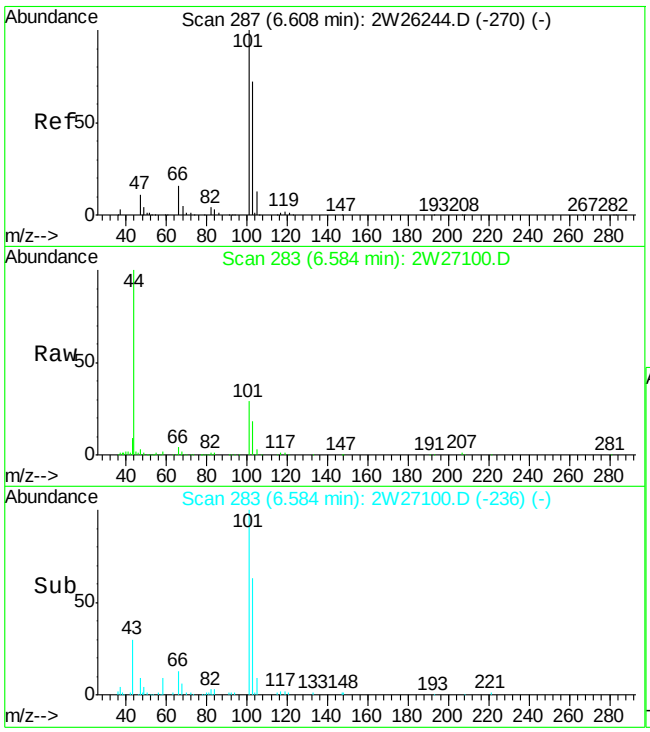


#12
n-BUTANE
Concen: 0.46 PPBV
RT: 5.57 min Scan# 116
Delta R.T. 0.00 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 43 Resp: 56201

Ion	Ratio	Lower	Upper
43	100		
58	15.1	10.6	15.8
44	0.0	2.3	3.5#

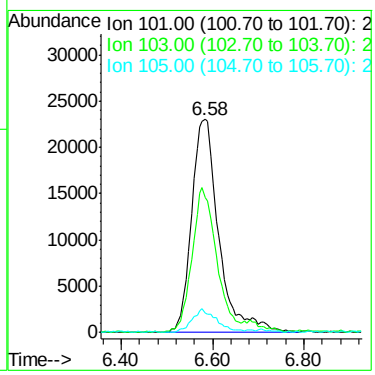




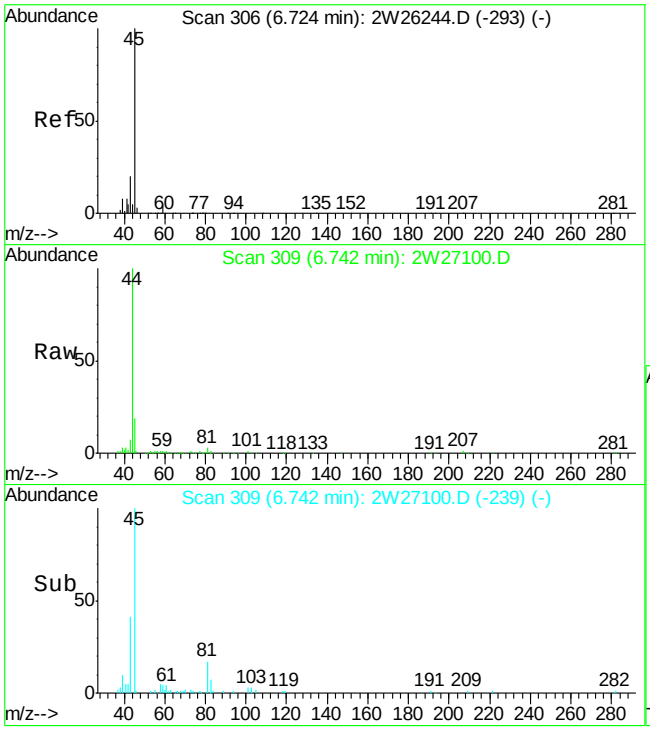
#17
TRICHLOROFLUOROMETHANE
Concen: 0.72 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion:101 Resp: 96039

Ion	Ratio	Lower	Upper
101	100		
103	65.4	46.7	86.7
105	10.2	0.0	31.2



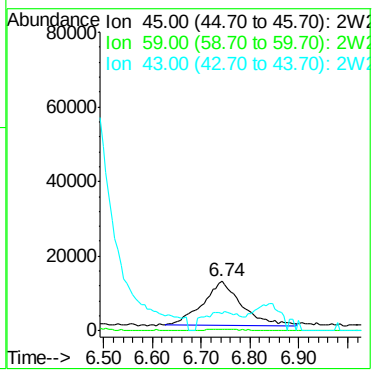
ACCUTEST Laboratories JA45062

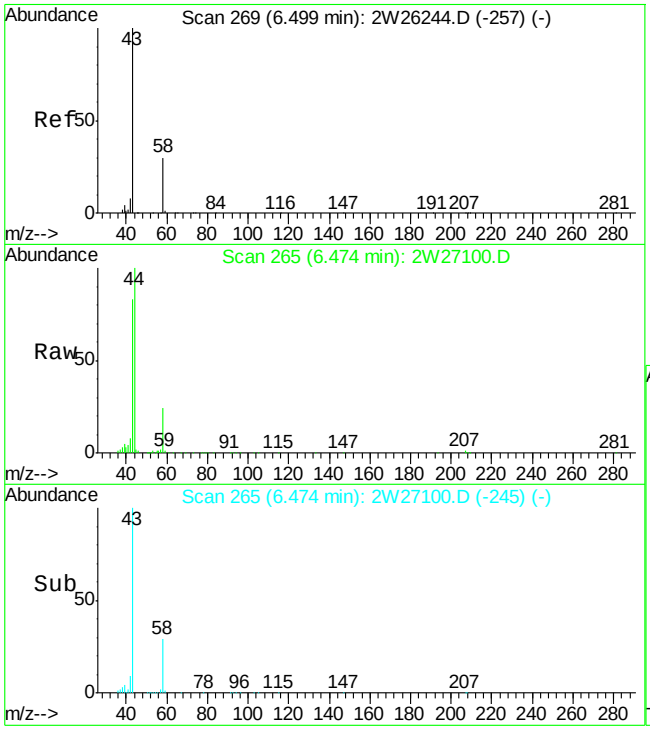


#18
ISOPROPYL ALCOHOL
Concen: 0.68 PPBV
RT: 6.74 min Scan# 309
Delta R.T. 0.07 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 45 Resp: 66012

Ion	Ratio	Lower	Upper
45	100		
59	3.1	0.0	24.1
43	34.3	0.2	40.2

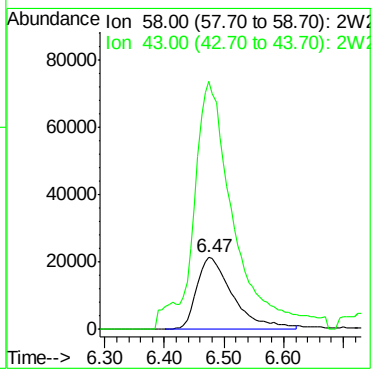


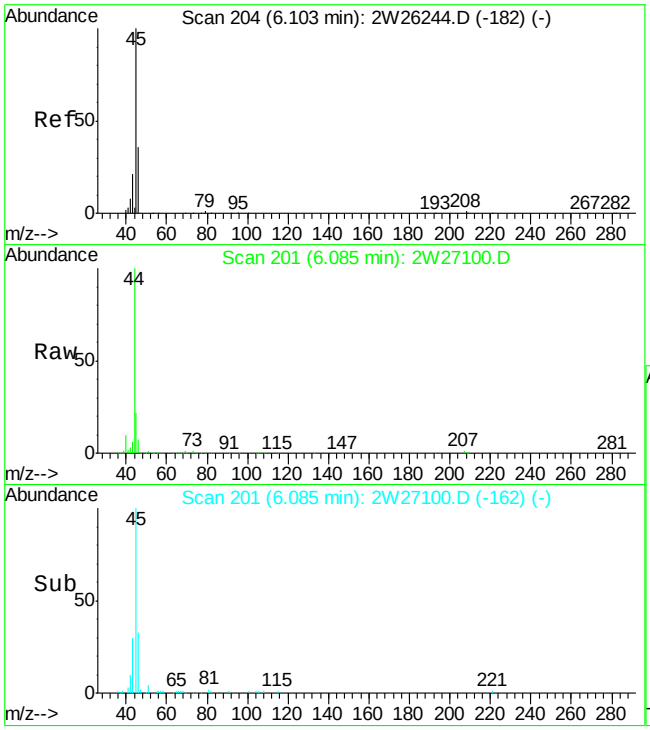


#19
ACETONE
Concen: 3.33 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 58 Resp: 88699

Ion	Ratio	Lower	Upper
58	100		
43	379.2	315.8	355.8#

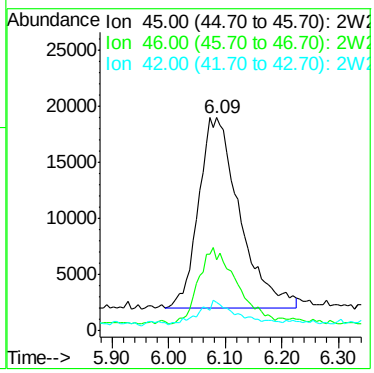


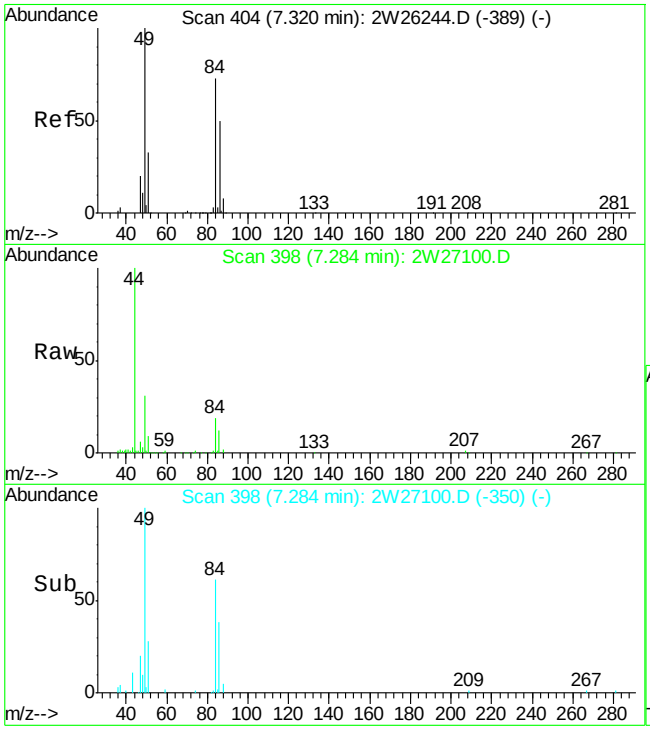


#25
ETHANOL
Concen: 3.21 PPBV
RT: 6.09 min Scan# 201
Delta R.T. 0.04 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 45 Resp: 86295

Ion	Ratio	Lower	Upper
45	100		
46	38.1	9.3	69.3
42	11.5	0.0	37.7

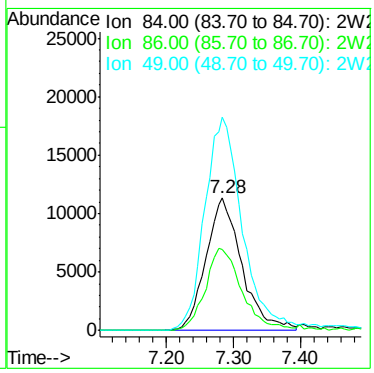


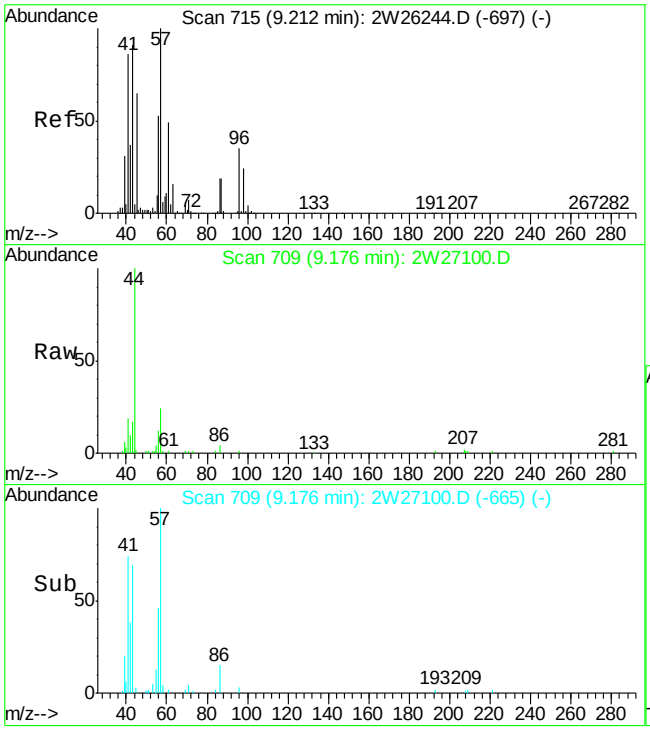


#27
METHYLENE CHLORIDE
Concen: 0.89 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 84 Resp: 42237

Ion	Ratio	Lower	Upper
84	100		
86	62.8	44.9	84.9
49	172.5	0.0	360.7

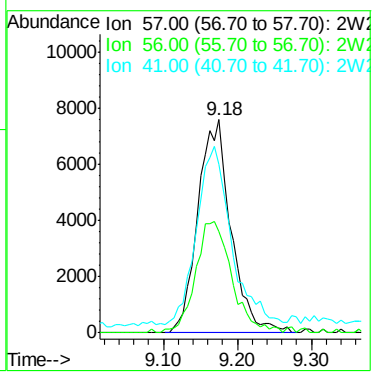


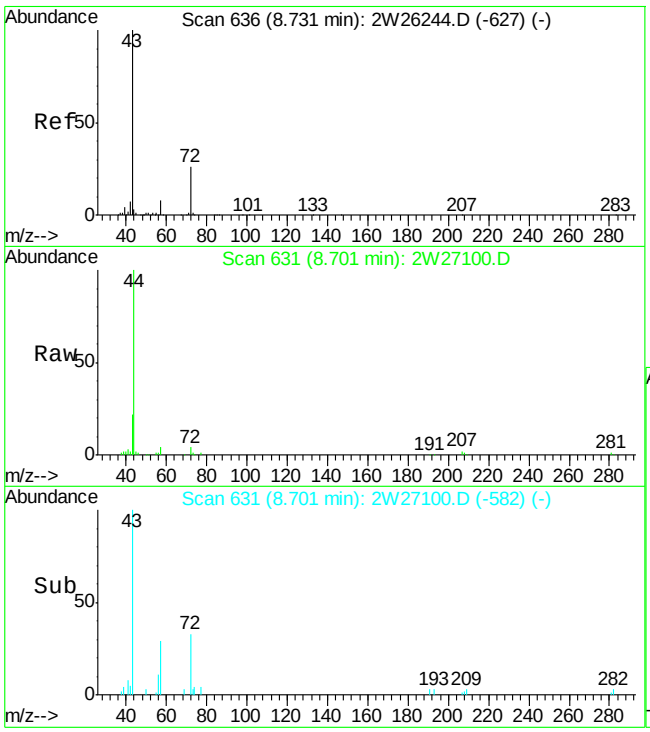


#34
HEXANE
Concen: 0.25 PPBV
RT: 9.18 min Scan# 709
Delta R.T. 0.02 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 57 Resp: 23049

Ion	Ratio	Lower	Upper
57	100		
56	57.3	32.4	72.4
41	88.5	77.6	117.6

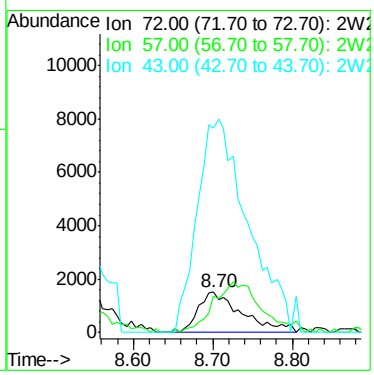


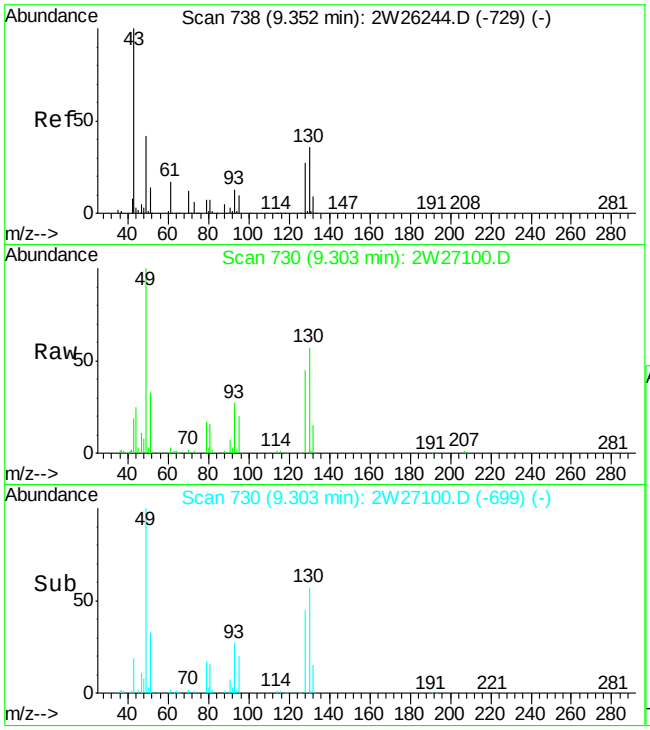


#37
METHYL ETHYL KETONE
Concen: 0.24 PPBV
RT: 8.70 min Scan# 631
Delta R.T. 0.05 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 72 Resp: 5885

Ion	Ratio	Lower	Upper
72	100		
57	88.7	13.8	53.8#
43	503.3	389.3	429.3#

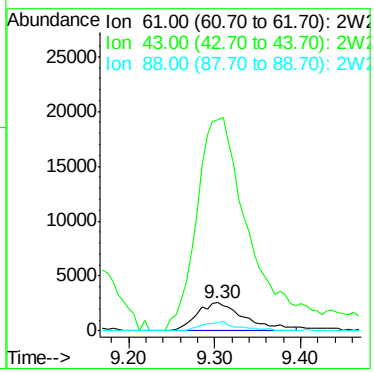


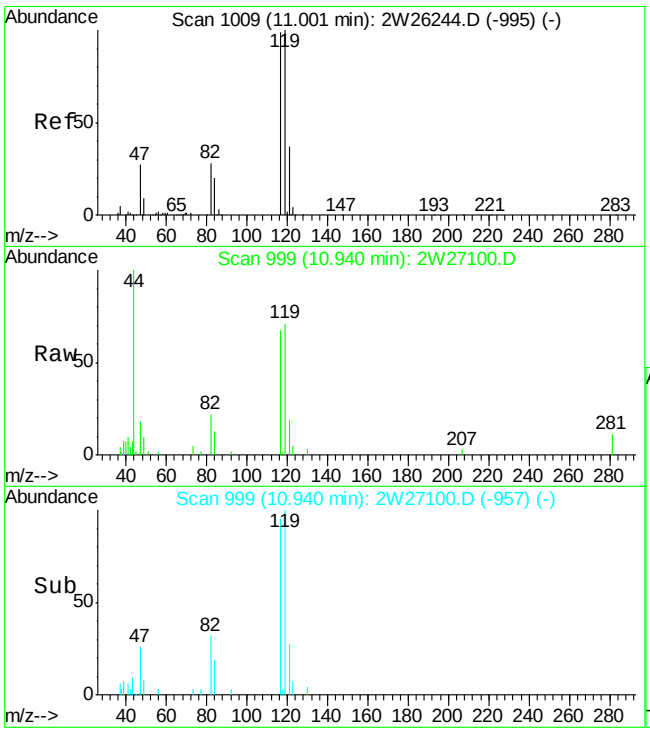


#39
ETHYL ACETATE
Concen: 0.65 PPBV
RT: 9.30 min Scan# 730
Delta R.T. 0.04 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 61 Resp: 10009

Ion	Ratio	Lower	Upper
61	100		
43	799.1	606.5	646.5#
88	23.8	4.8	44.8

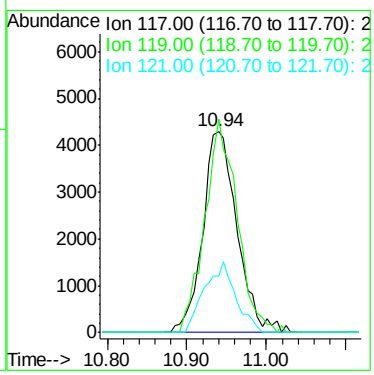


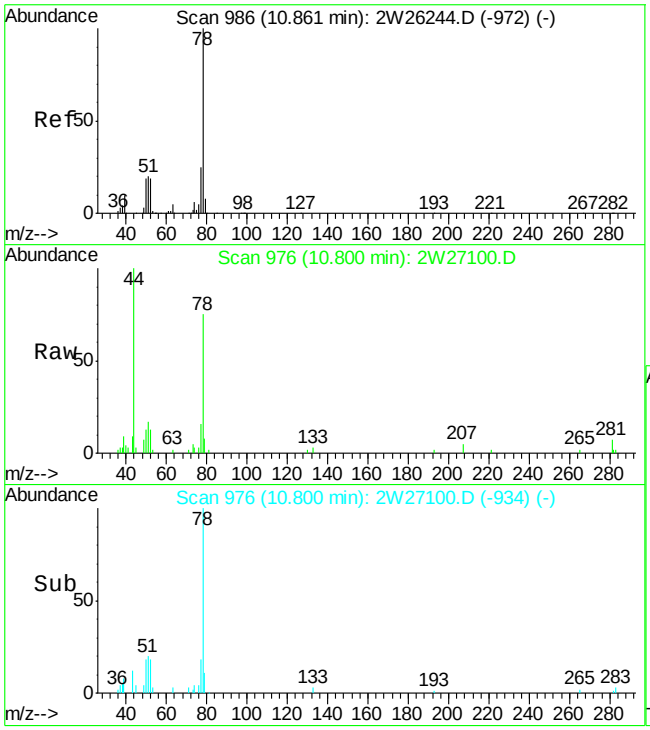


#43
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion:117 Resp: 12863

Ion	Ratio	Lower	Upper
117	100		
119	99.7	78.0	118.0
121	31.8	12.8	52.8

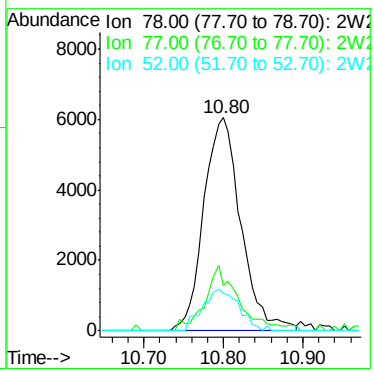


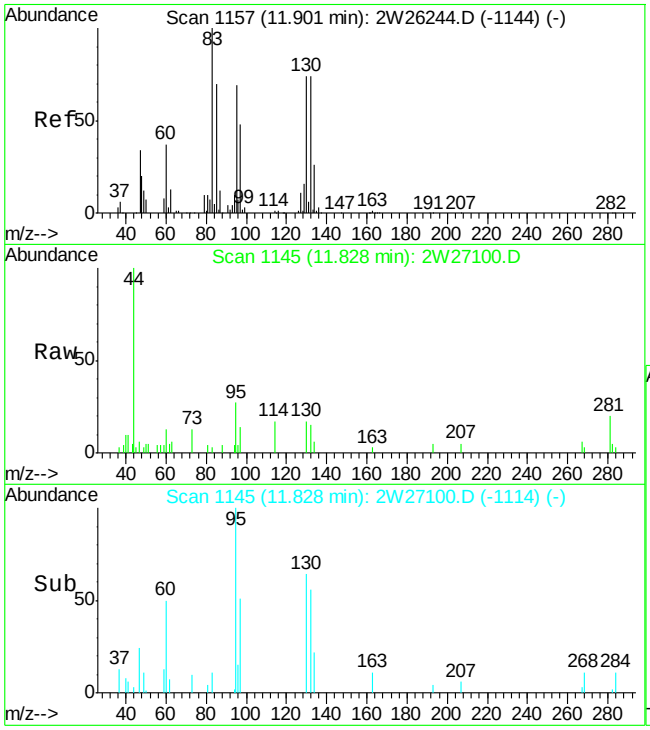


#46
BENZENE
Concen: 0.11 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 78 Resp: 19517

Ion	Ratio	Lower	Upper
78	100		
77	27.9	4.9	44.9
52	19.2	0.0	37.9

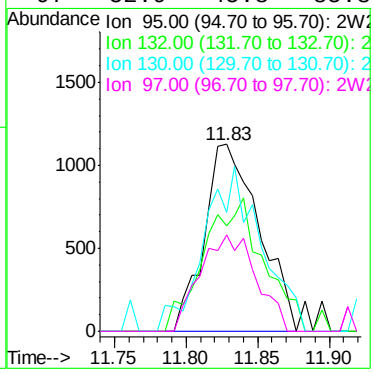


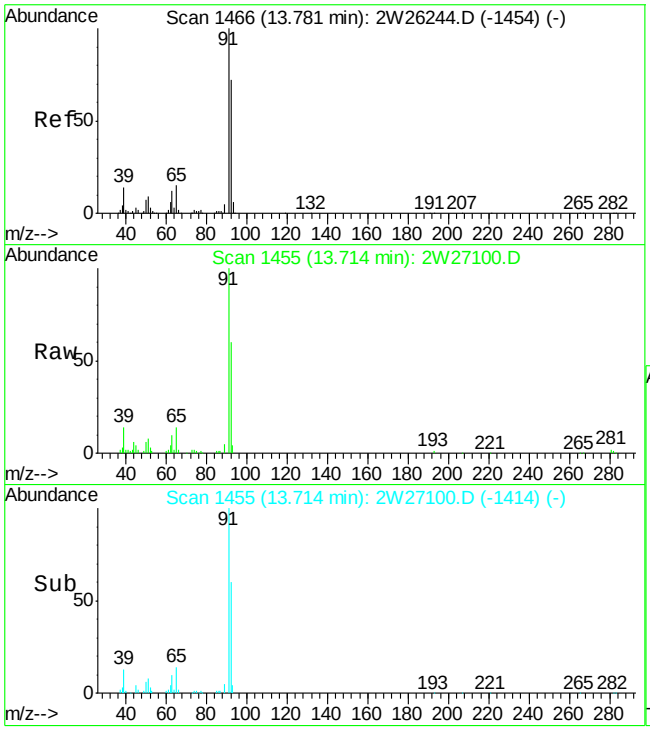


#49
TRICHLOROETHYLENE
Concen: 0.04 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 95 Resp: 3001

Ion	Ratio	Lower	Upper
95	100		
132	77.3	72.7	112.7
130	91.6	75.6	115.6
97	52.9	45.8	85.8

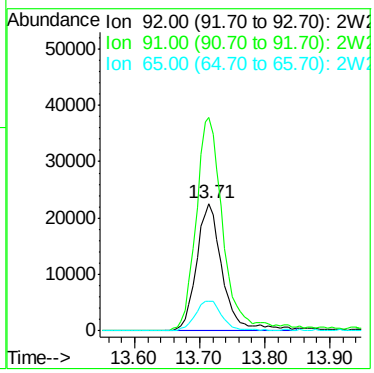


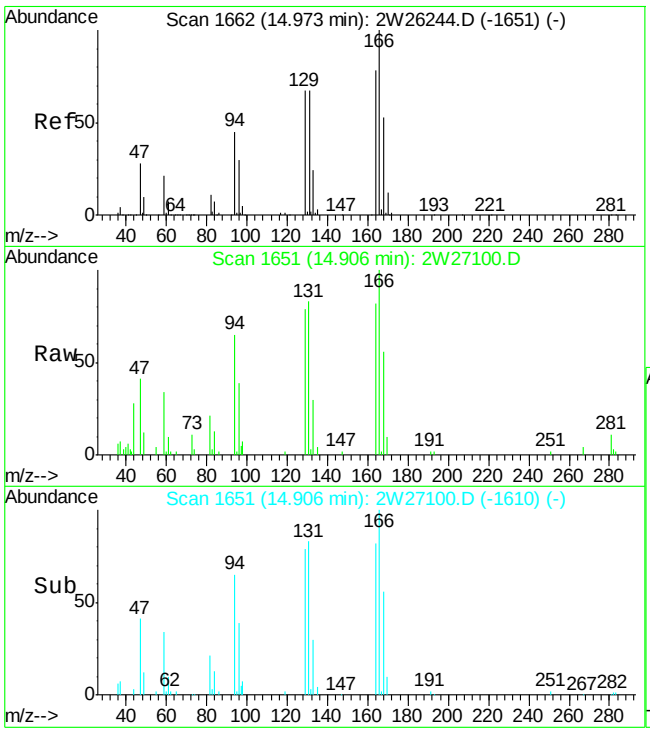


#59
TOLUENE
Concen: 0.60 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion: 92 Resp: 62461

Ion	Ratio	Lower	Upper
92	100		
91	178.3	136.6	176.6#
65	24.7	0.9	40.9

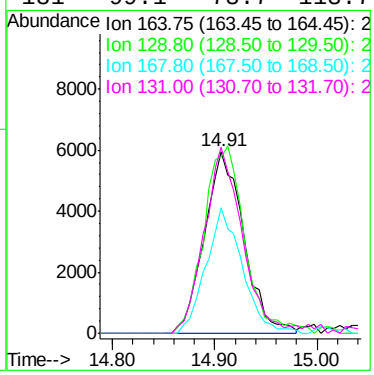


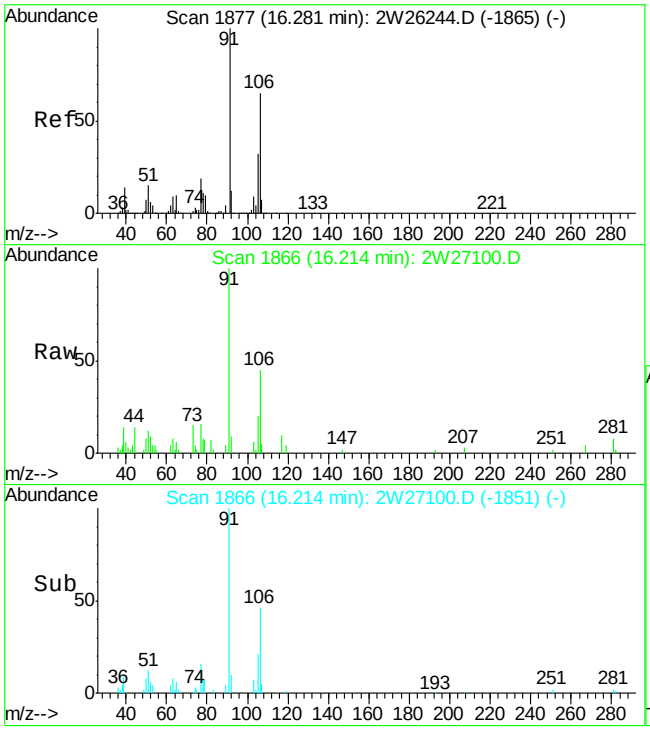


#64
TETRACHLOROETHYLENE
Concen: 0.25 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. 0.00 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion:164 Resp: 15914

Ion	Ratio	Lower	Upper
164	100		
129	106.8	76.6	116.6
168	63.6	44.5	84.5
131	99.1	73.7	113.7

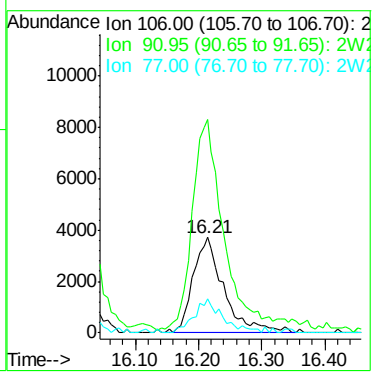




#71
m,p-XYLENE
Concen: 0.17 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27100.D
Acq: 5 May 2010 1:57 am

Tgt Ion:106 Resp: 12575

Ion	Ratio	Lower	Upper
106	100		
91	223.3	138.6	207.8#
77	35.5	23.5	35.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27102.D Vial: 15
Acq On : 5 May 2010 3:23 am Operator: yunxiac
Sample : ja45062-19 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:24 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

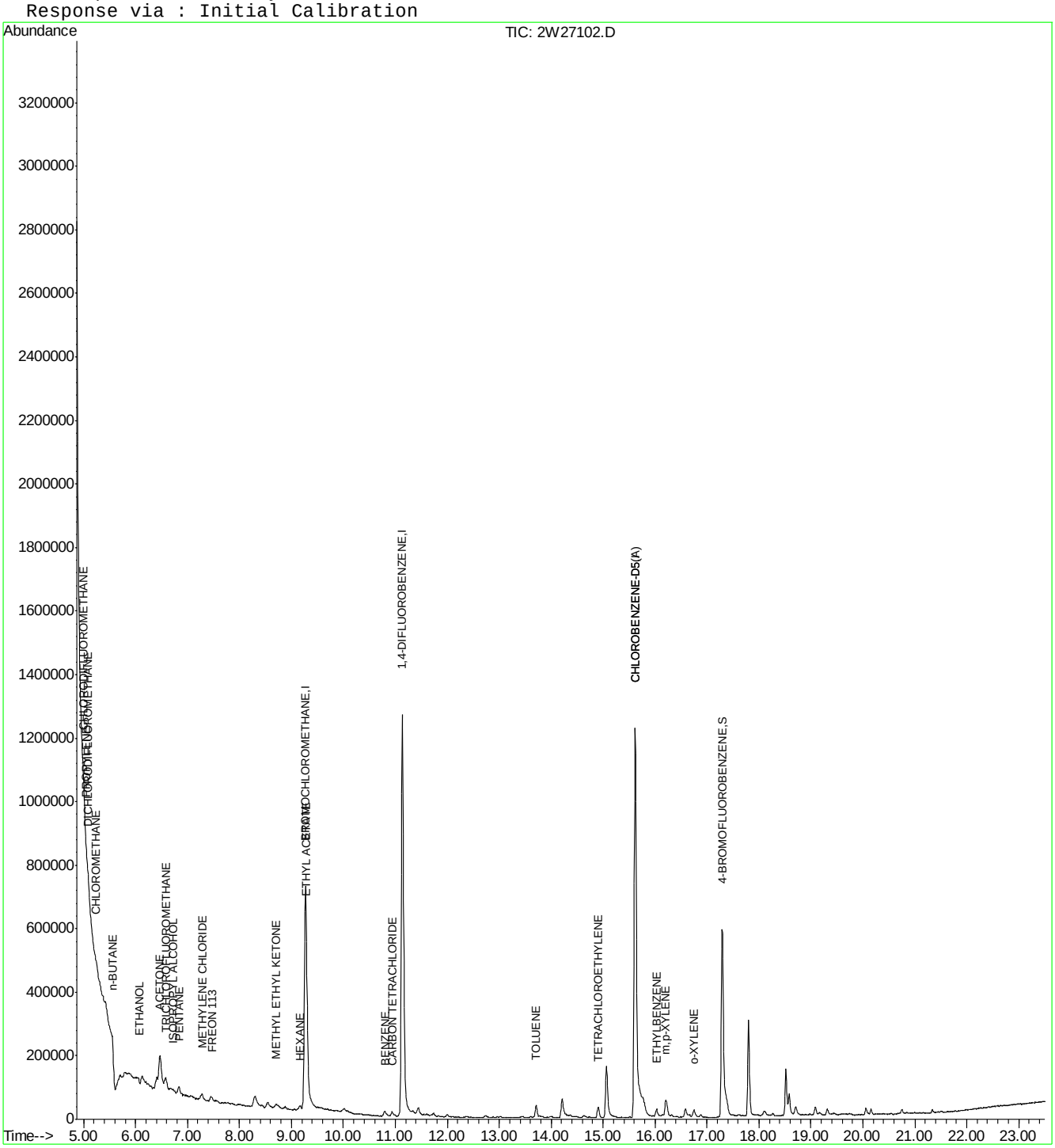
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	312512	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1482866	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	762317	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	762317	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	362647	4.58	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	98351	0.68	PPBV		98
5) CHLORODIFLUOROMETHANE	5.00	67	44876	2.74	PPBV	#	41
6) PROPYLENE	5.05	41	14831	0.24	PPBV	#	56
9) CHLOROMETHANE	5.25	52	13324	0.56	PPBV	#	84
12) n-BUTANE	5.56	43	38333	0.34	PPBV	#	90
17) TRICHLOROFLUOROMETHANE	6.58	101	64865	0.53	PPBV		97
18) ISOPROPYL ALCOHOL	6.72	45	30230	0.34	PPBV	#	35
19) ACETONE	6.47	58	87856	3.60	PPBV	#	70
20) PENTANE	6.83	42	19807	0.31	PPBV		88
25) ETHANOL	6.07	45	50301	2.04	PPBV		93
27) METHYLENE CHLORIDE	7.28	84	9381	0.22	PPBV		93
29) FREON 113	7.47	151	5879	0.10	PPBV	#	83
34) HEXANE	9.16	57	8075	0.10	PPBV		86
37) METHYL ETHYL KETONE	8.70	72	5475	0.24	PPBV	#	79
39) ETHYL ACETATE	9.30	61	7116	0.50	PPBV	#	53
43) CARBON TETRACHLORIDE	10.94	117	12840	0.12	PPBV		96
46) BENZENE	10.79	78	20605	0.13	PPBV		99
59) TOLUENE	13.71	92	23856	0.26	PPBV		90
64) TETRACHLOROETHYLENE	14.91	164	9750	0.18	PPBV		96
70) ETHYLBENZENE	16.03	91	24228	0.14	PPBV		92
71) m,p-XYLENE	16.20	106	27504	0.42	PPBV	#	76
72) o-XYLENE	16.75	106	7942	0.12	PPBV	#	61

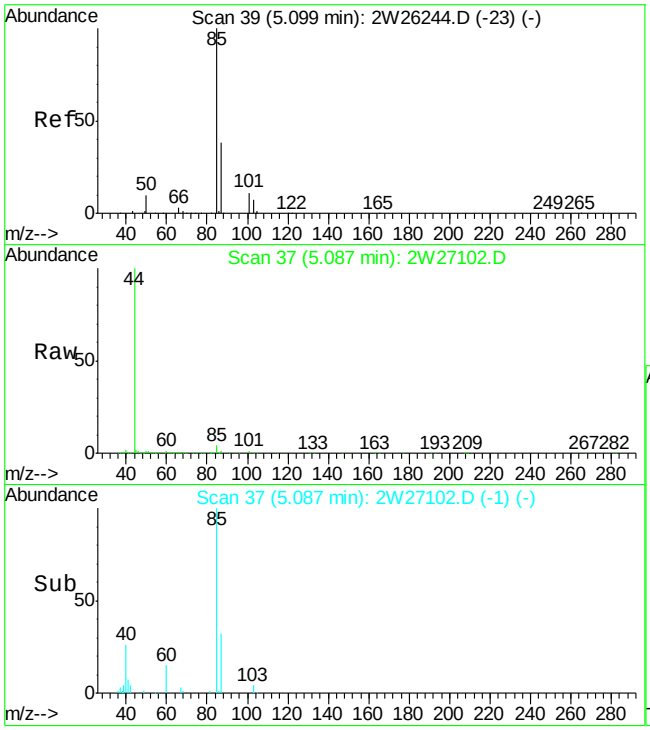
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27102.D Vial: 15
Acq On : 5 May 2010 3:23 am Operator: yunxiac
Sample : ja45062-19 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:47 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

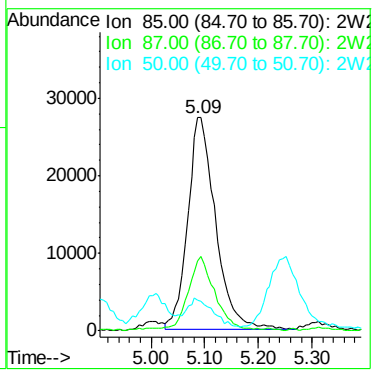


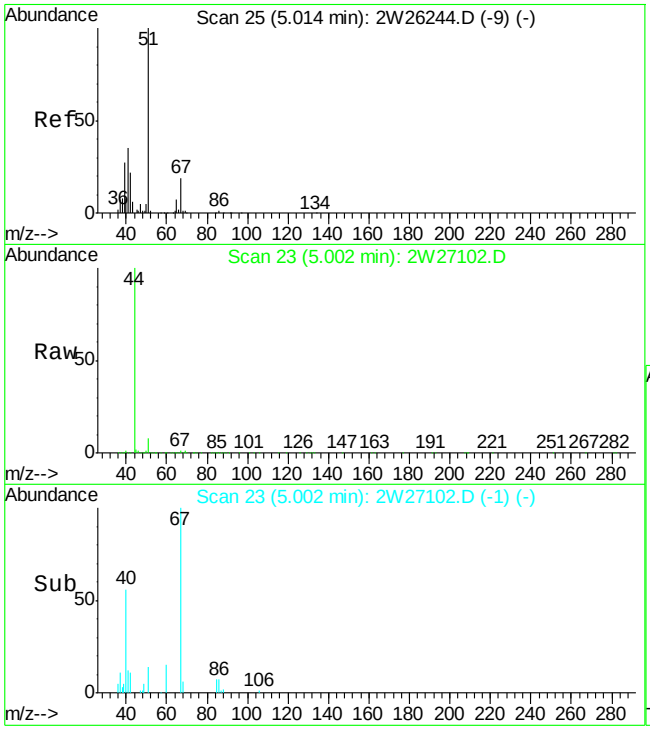


#3
DICHLORODIFLUOROMETHANE
Concen: 0.68 PPBV
RT: 5.09 min Scan# 37
Delta R.T. -0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 85 Resp: 98351

Ion	Ratio	Lower	Upper
85	100		
87	35.0	14.2	54.2
50	12.4	0.0	31.0

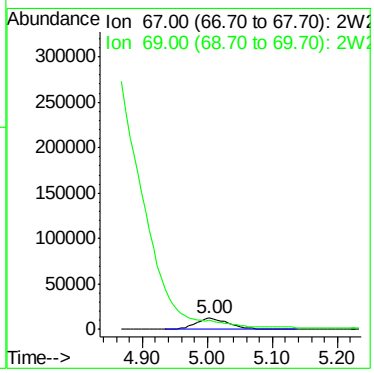


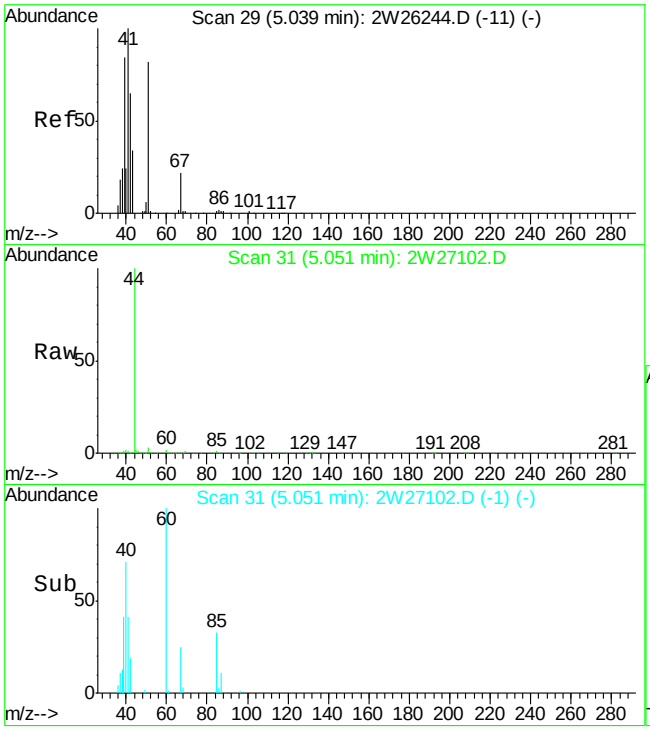


#5
CHLORODIFLUOROMETHANE
Concen: 2.74 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 67 Resp: 44876

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

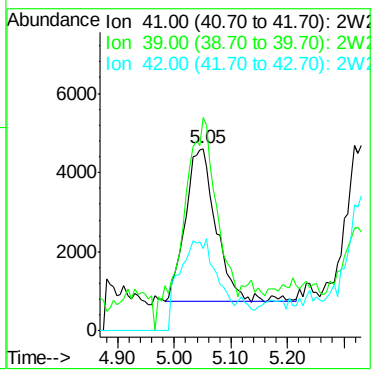


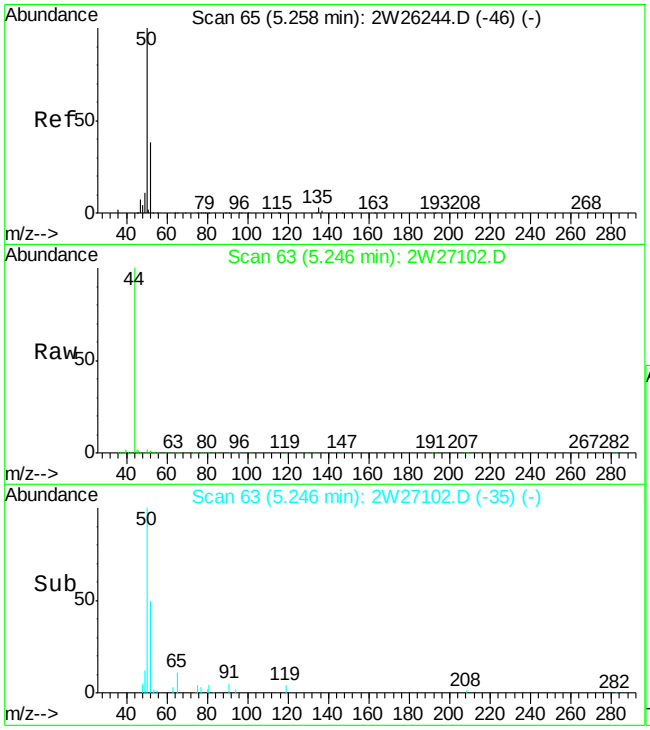


#6
PROPYLENE
Concen: 0.24 PPBV
RT: 5.05 min Scan# 31
Delta R.T. 0.02 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 41 Resp: 14831

Ion	Ratio	Lower	Upper
41	100		
39	117.2	47.9	87.9#
42	45.1	47.3	87.3#

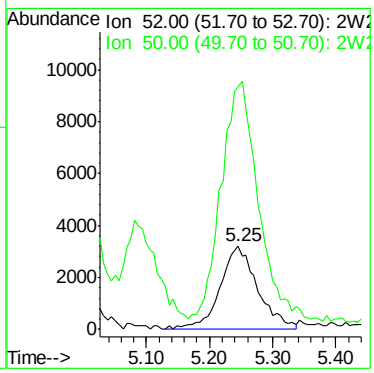




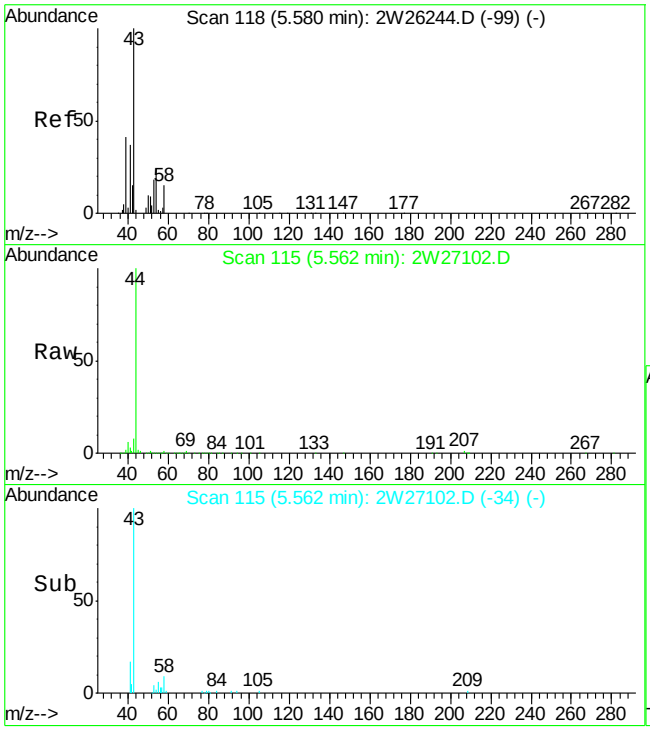
#9
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 52 Resp: 13324

Ion	Ratio	Lower	Upper
52	100		
50	257.7	268.7	308.7#



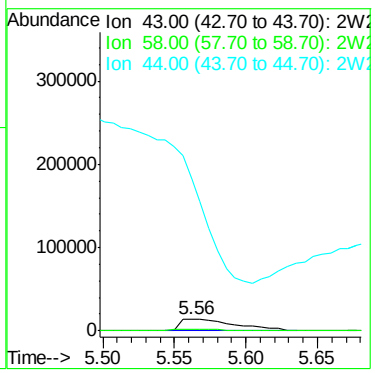
ACCUTEST Laboratories JA45062

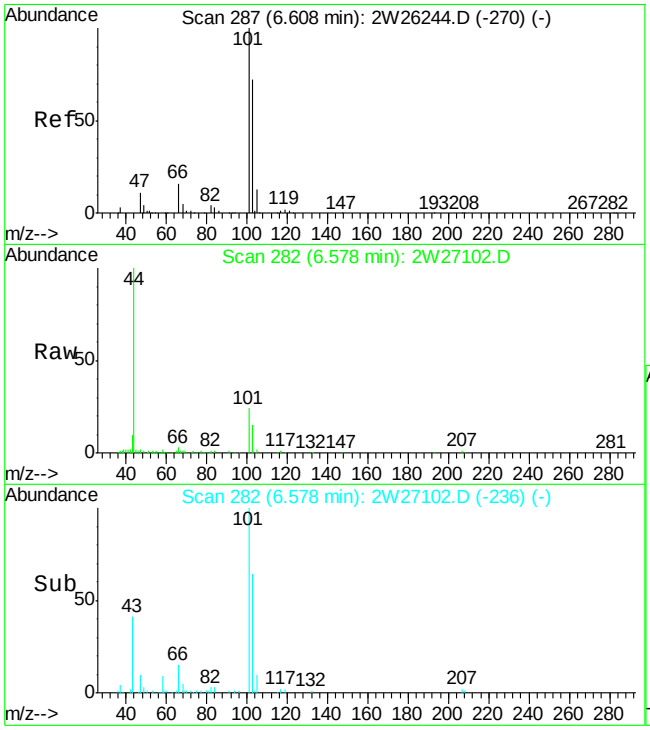


#12
n-BUTANE
Concen: 0.34 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 43 Resp: 38333

Ion	Ratio	Lower	Upper
43	100		
58	17.2	10.6	15.8#
44	0.0	2.3	3.5#

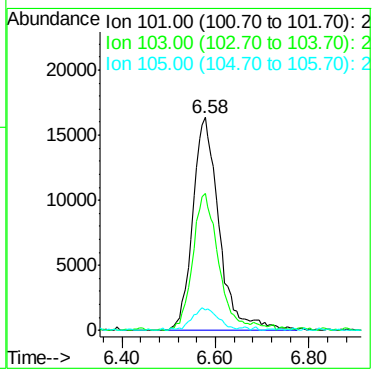




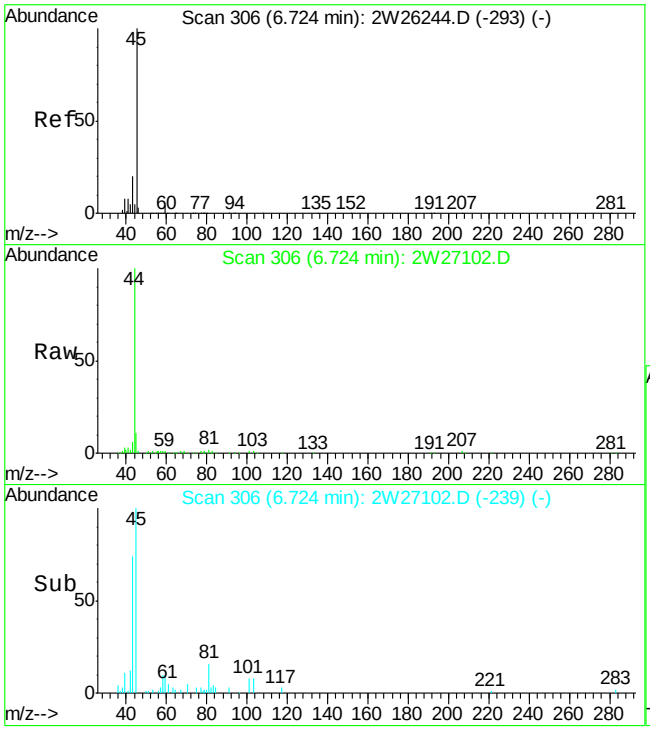
#17
TRICHLOROFLUOROMETHANE
Concen: 0.53 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:101 Resp: 64865

Ion	Ratio	Lower	Upper
101	100		
103	64.1	46.7	86.7
105	11.2	0.0	31.2



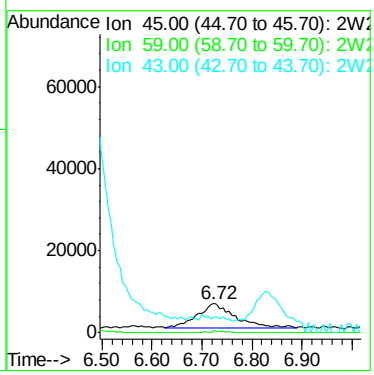
ACCUTEST Laboratories JA45062

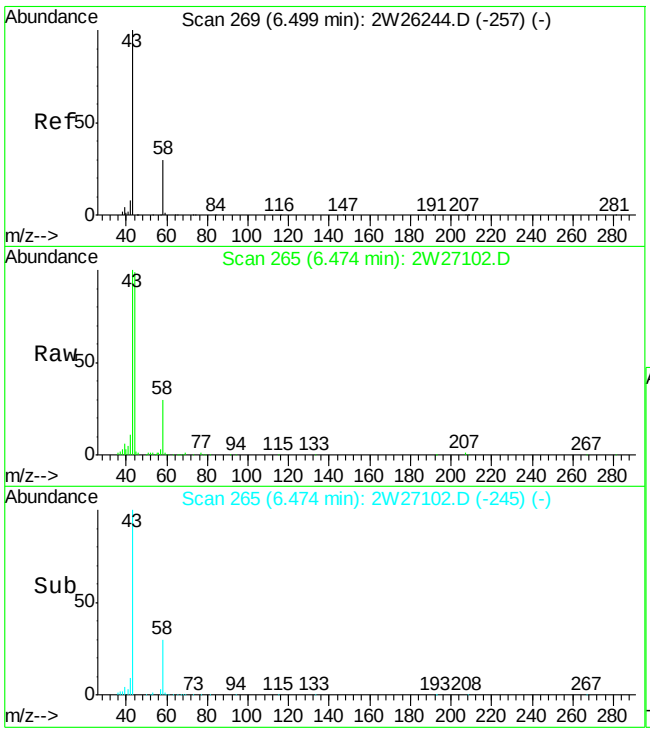


#18
ISOPROPYL ALCOHOL
Concen: 0.34 PPBV
RT: 6.72 min Scan# 306
Delta R.T. 0.05 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 45 Resp: 30230

Ion	Ratio	Lower	Upper
45	100		
59	7.2	0.0	24.1
43	55.6	0.2	40.2#

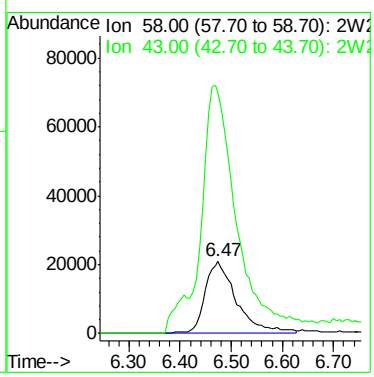


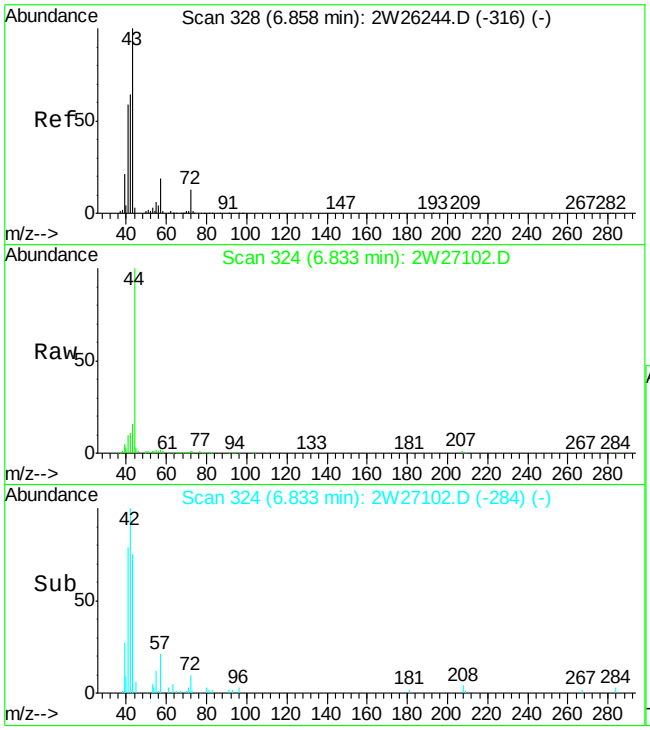


#19
ACETONE
Concen: 3.60 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 58 Resp: 87856

Ion	Ratio	Lower	Upper
58	100		
43	399.5	315.8	355.8#

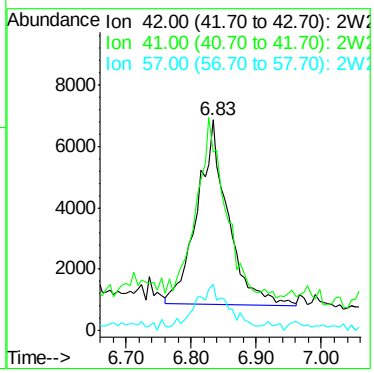


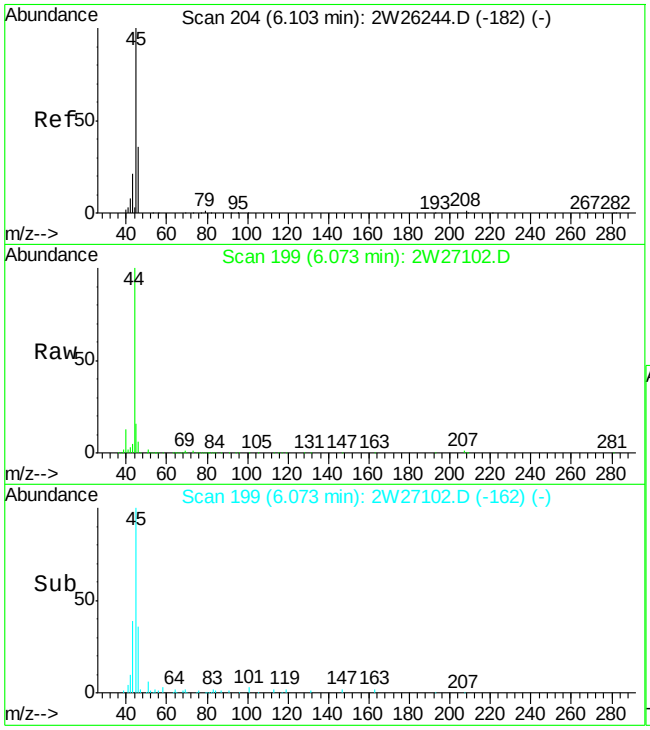


#20
PENTANE
Concen: 0.31 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 42 Resp: 19807

Ion	Ratio	Lower	Upper
42	100		
41	101.0	67.5	107.5
57	24.2	6.1	46.1

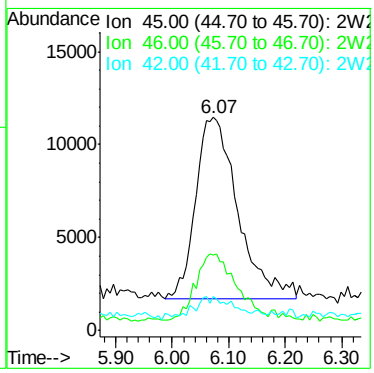


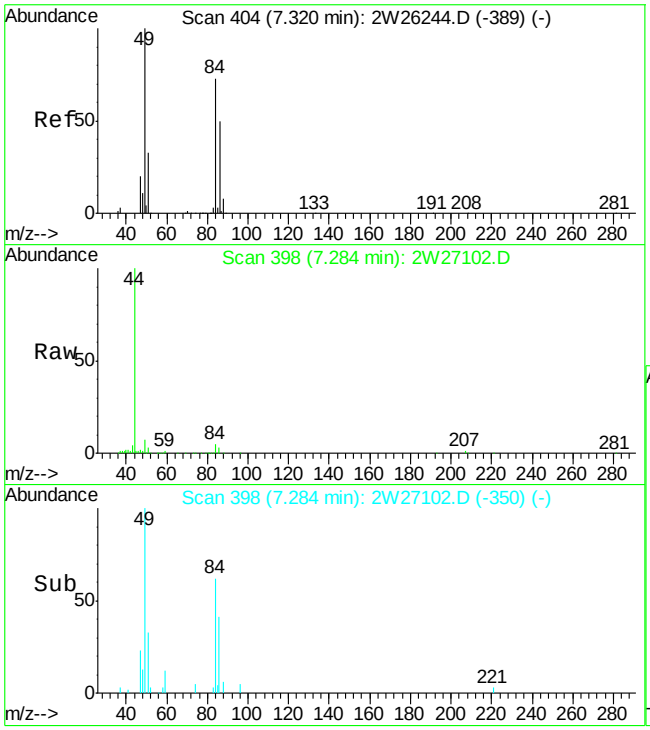


#25
ETHANOL
Concen: 2.04 PPBV
RT: 6.07 min Scan# 199
Delta R.T. 0.02 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 45 Resp: 50301

Ion	Ratio	Lower	Upper
45	100		
46	35.2	9.3	69.3
42	9.6	0.0	37.7

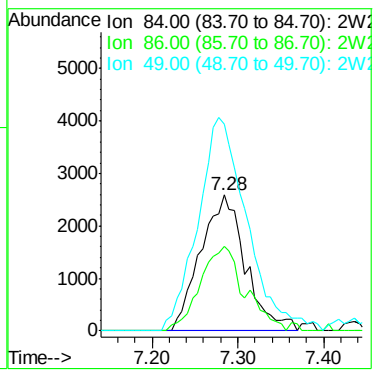


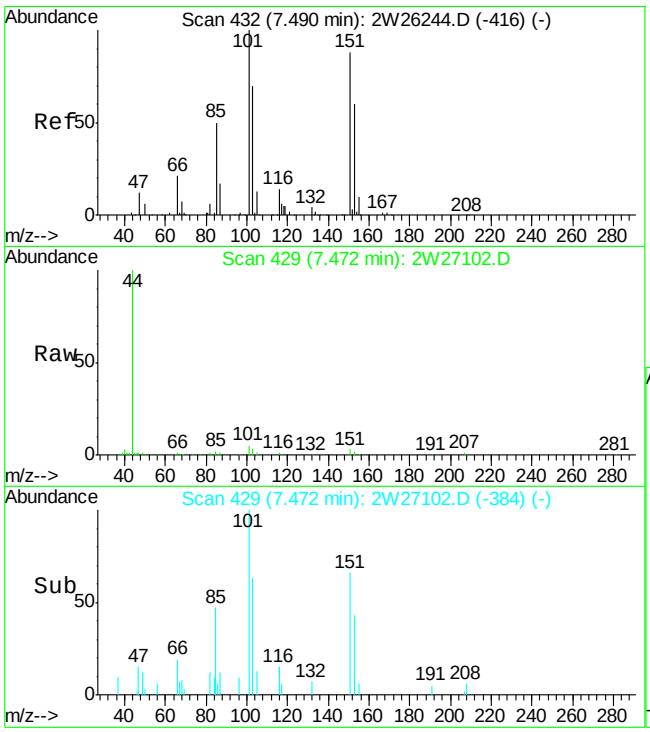


#27
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 84 Resp: 9381

Ion	Ratio	Lower	Upper
84	100		
86	62.0	44.9	84.9
49	172.1	0.0	360.7

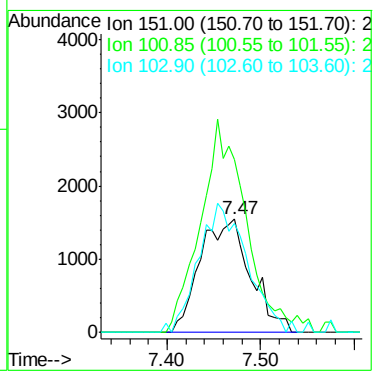


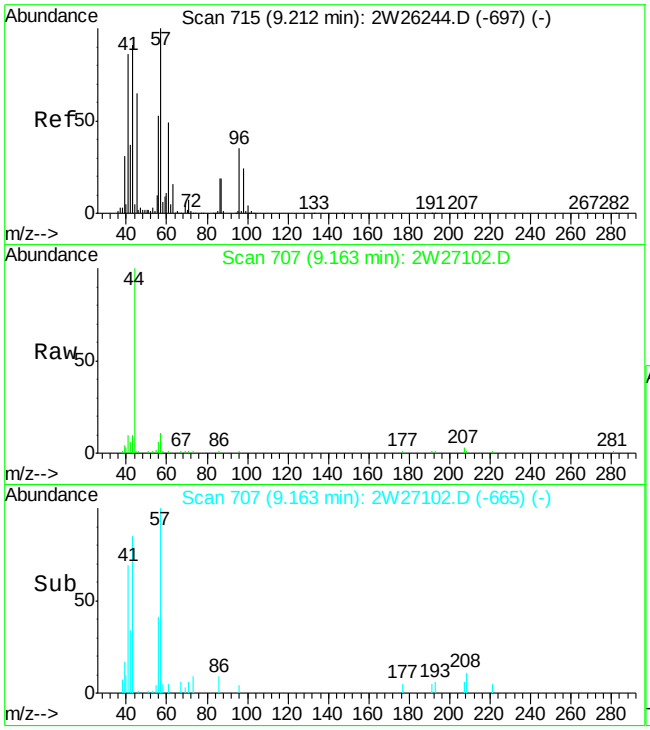


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.47 min Scan# 429
Delta R.T. 0.02 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:151 Resp: 5879

Ion	Ratio	Lower	Upper
151	100		
101	168.1	124.8	164.8#
103	109.1	75.2	115.2

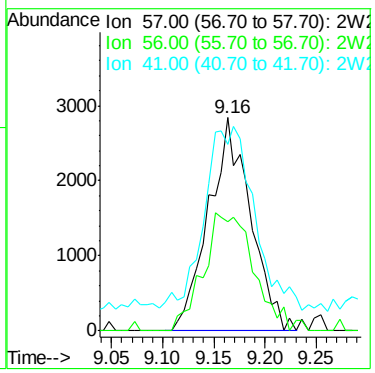


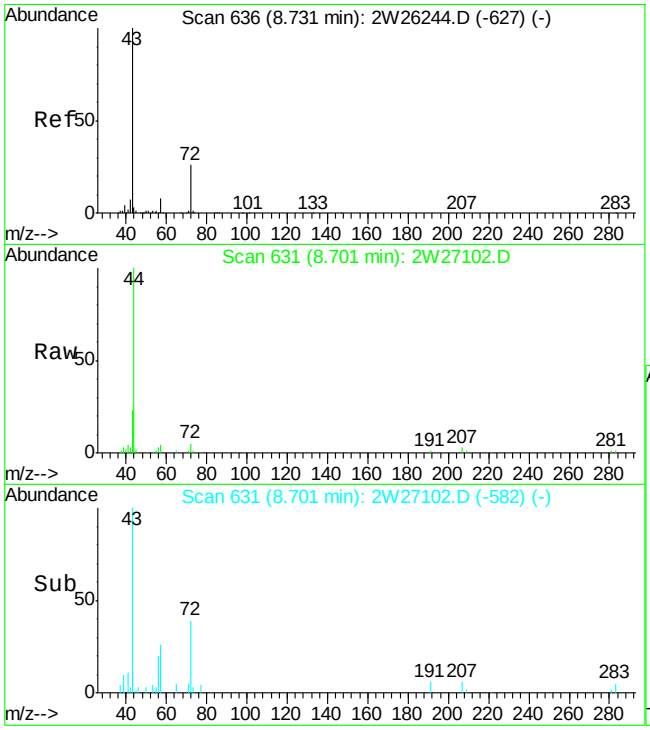


#34
HEXANE
Concen: 0.10 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 57 Resp: 8075

Ion	Ratio	Lower	Upper
57	100		
56	67.1	32.4	72.4
41	107.3	77.6	117.6

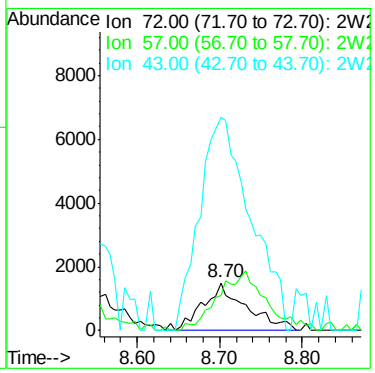


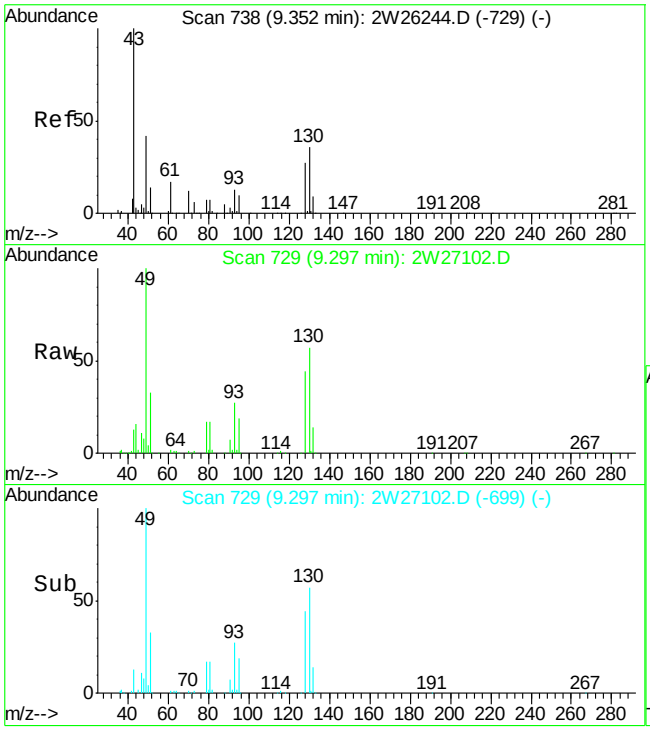


#37
METHYL ETHYL KETONE
Concen: 0.24 PPBV
RT: 8.70 min Scan# 631
Delta R.T. 0.05 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 72 Resp: 5475

Ion	Ratio	Lower	Upper
72	100		
57	74.8	13.8	53.8#
43	449.6	389.3	429.3#

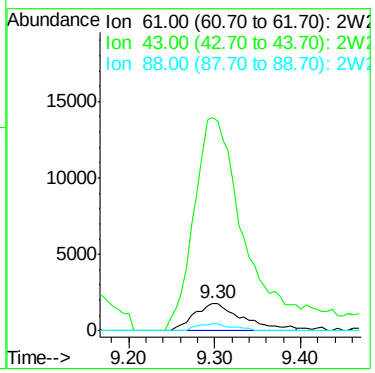


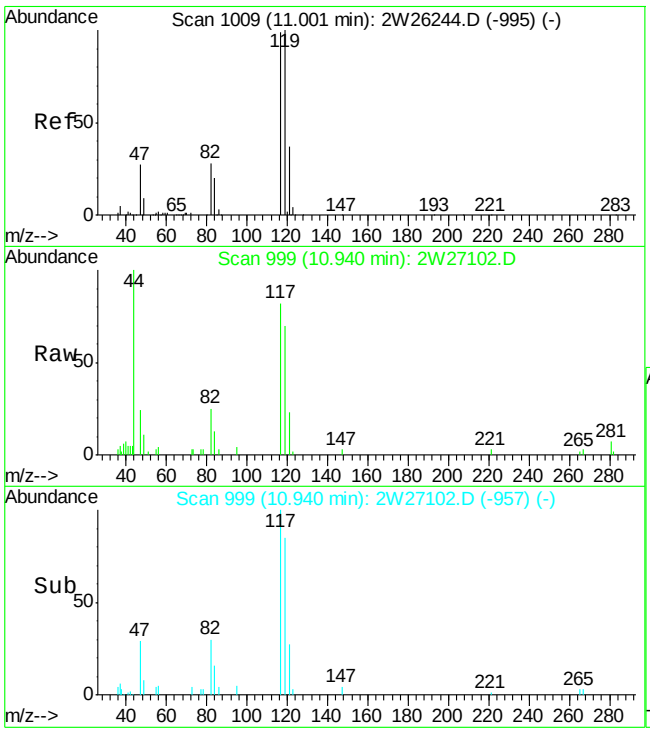


#39
ETHYL ACETATE
Concen: 0.50 PPBV
RT: 9.30 min Scan# 729
Delta R.T. 0.03 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 61 Resp: 7116

Ion	Ratio	Lower	Upper
61	100		
43	780.7	606.5	646.5#
88	18.5	4.8	44.8

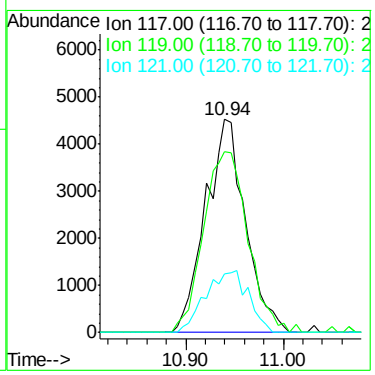


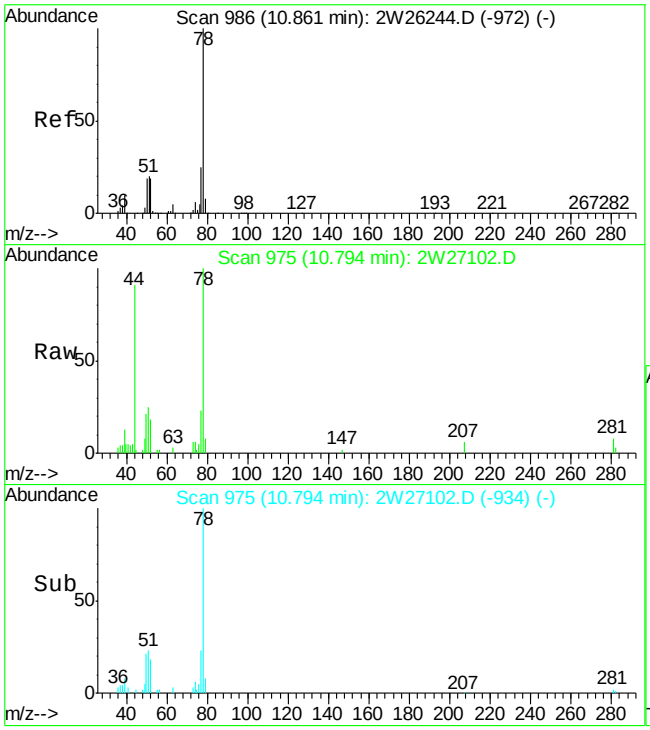


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:117 Resp: 12840

Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.0	118.0
121	31.0	12.8	52.8

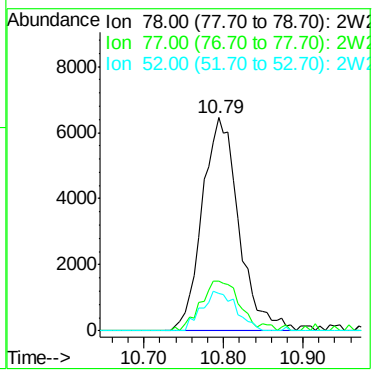


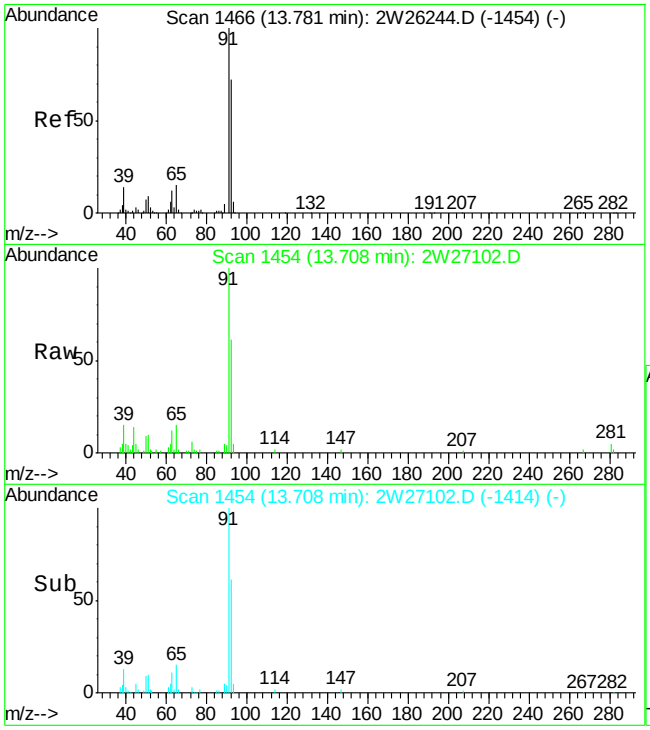


#46
BENZENE
Concen: 0.13 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 78 Resp: 20605

Ion	Ratio	Lower	Upper
78	100		
77	25.3	4.9	44.9
52	17.2	0.0	37.9

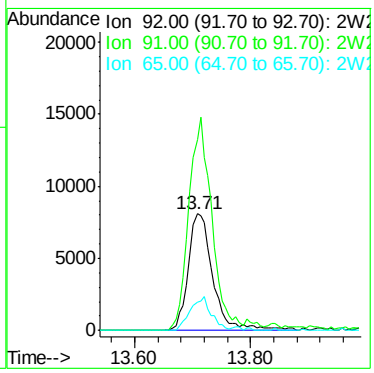


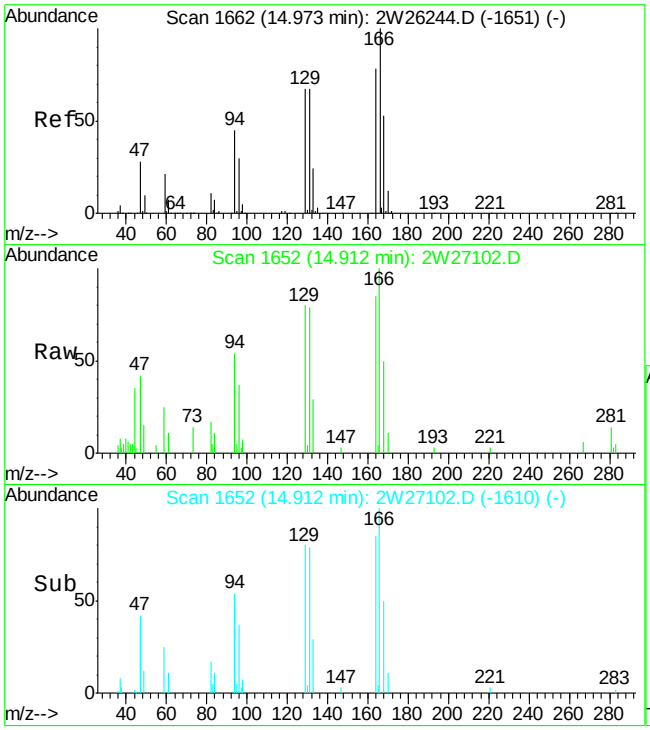


#59
TOLUENE
Concen: 0.26 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 92 Resp: 23856

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.6	176.6
65	24.4	0.9	40.9

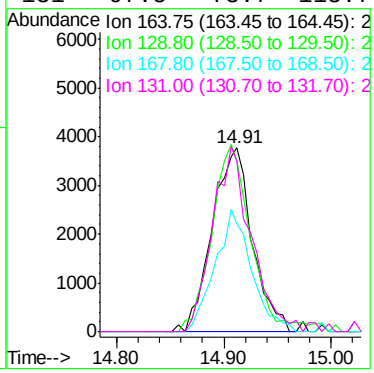


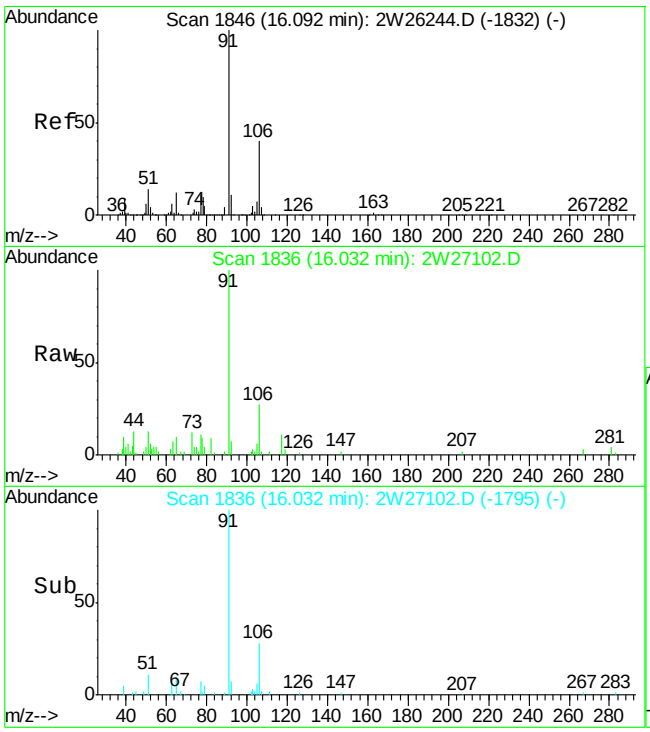


#64
TETRACHLOROETHYLENE
Concen: 0.18 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:164 Resp: 9750

Ion	Ratio	Lower	Upper
164	100		
129	101.2	76.6	116.6
168	60.6	44.5	84.5
131	97.5	73.7	113.7

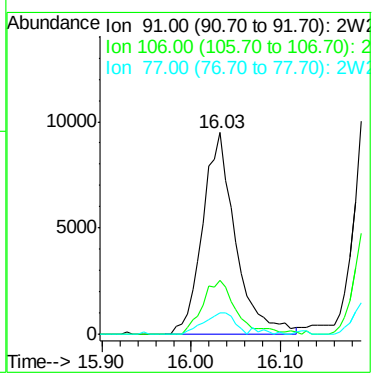




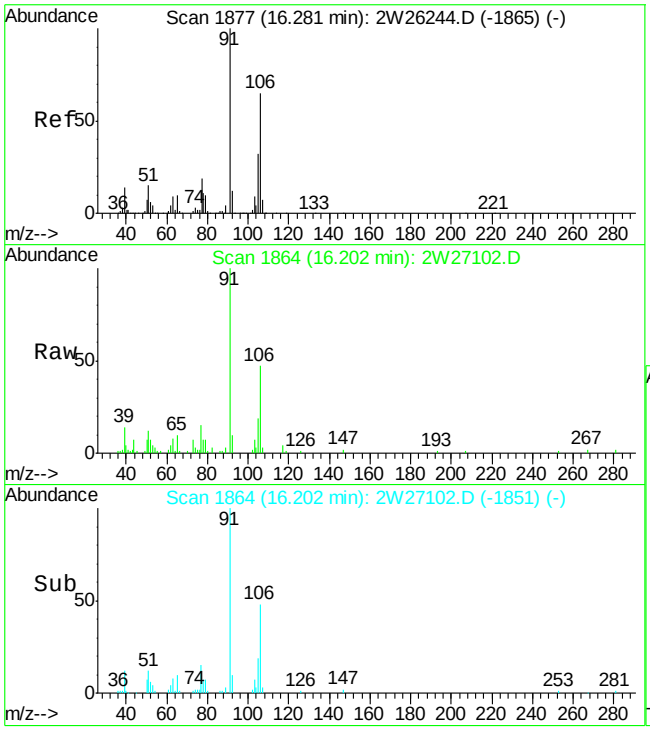
#70
ETHYLBENZENE
Concen: 0.14 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. 0.00 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion: 91 Resp: 24228

Ion	Ratio	Lower	Upper
91	100		
106	27.6	13.5	53.5
77	10.1	0.0	29.7



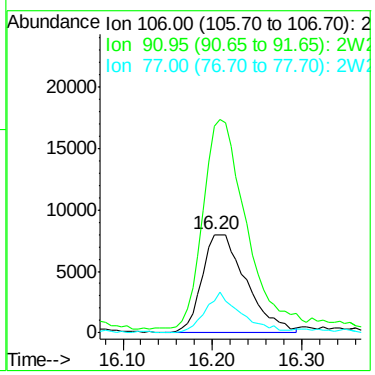
ACCUTEST Laboratories JA45062

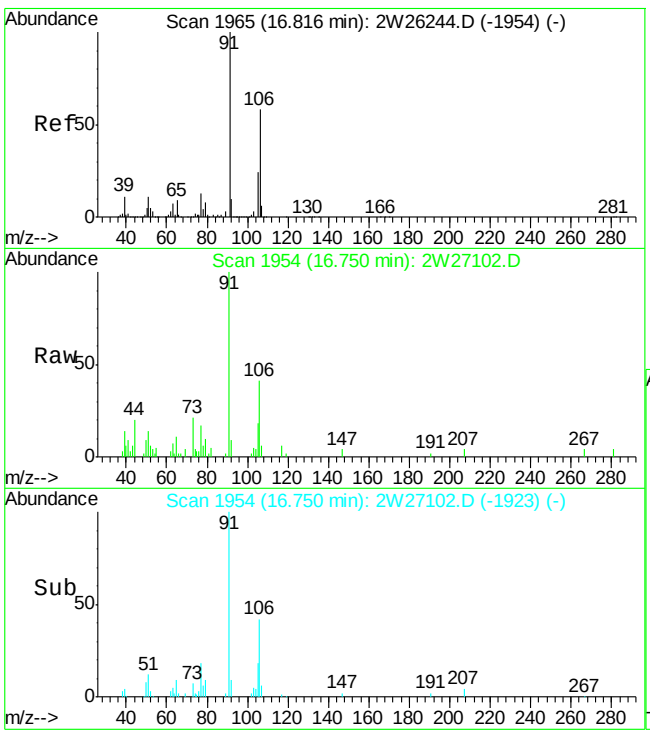


#71
m,p-XYLENE
Concen: 0.42 PPBV
RT: 16.20 min Scan# 1864
Delta R.T. -0.02 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:106 Resp: 27504

Ion	Ratio	Lower	Upper
106	100		
91	210.7	138.6	207.8#
77	32.1	23.5	35.3

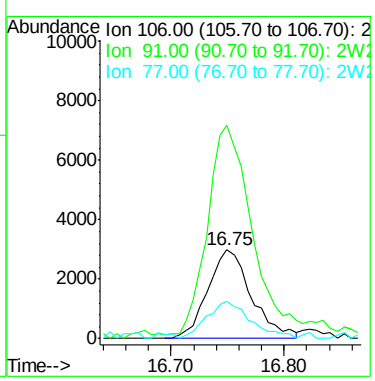




#72
o-XYLENE
Concen: 0.12 PPBV
RT: 16.75 min Scan# 1954
Delta R.T. 0.00 min
Lab File: 2W27102.D
Acq: 5 May 2010 3:23 am

Tgt Ion:106 Resp: 7942

Ion	Ratio	Lower	Upper
106	100		
91	262.7	181.1	221.1#
77	42.6	7.9	47.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/06/10 00:37

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27103.D Vial: 16
Acq On : 5 May 2010 4:06 am Operator: yunxiac
Sample : ja45062-20 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:29 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

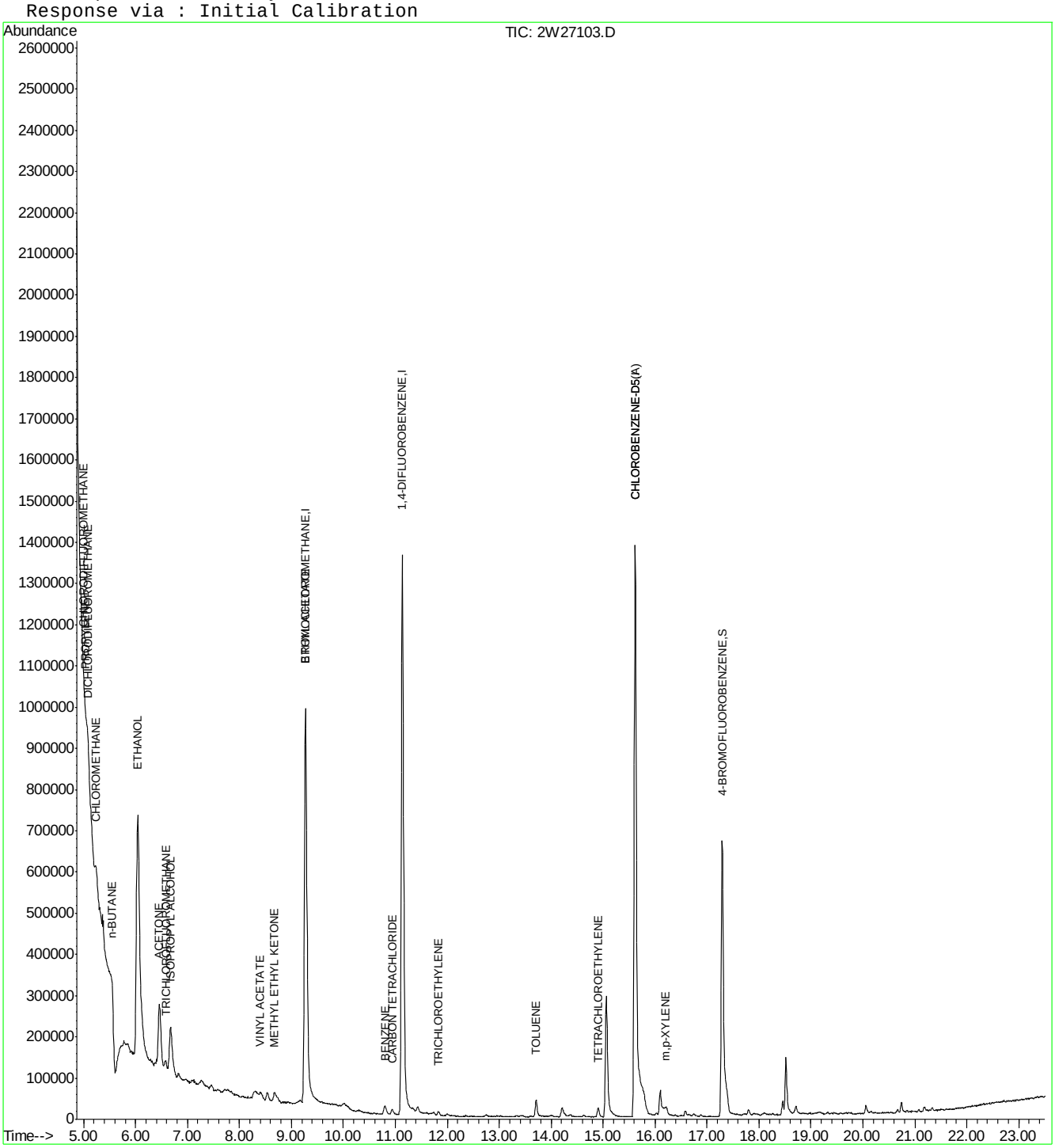
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	306827	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1564851	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	851326	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	851326	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	410694	4.64	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	192423	1.36	PPBV		98
5) CHLORODIFLUOROMETHANE	5.00	67	10442	0.65	PPBV	#	41
6) PROPYLENE	5.04	41	18224m	0.30	PPBV		
9) CHLOROMETHANE	5.24	52	14196	0.61	PPBV		93
12) n-BUTANE	5.56	43	40578	0.37	PPBV	#	91
17) TRICHLOROFLUOROMETHANE	6.58	101	49778	0.42	PPBV		99
18) ISOPROPYL ALCOHOL	6.68	45	361520	4.15	PPBV		88
19) ACETONE	6.46	58	126940	5.30	PPBV		96
25) ETHANOL	6.04	45	1635378	67.56	PPBV		97
35) VINYL ACETATE	8.39	86	3924	0.39	PPBV	#	83
37) METHYL ETHYL KETONE	8.67	72	11179	0.51	PPBV	#	76
39) ETHYL ACETATE	9.27	61	77047	5.53	PPBV	#	64
43) CARBON TETRACHLORIDE	10.94	117	12311	0.12	PPBV		99
46) BENZENE	10.79	78	21080	0.13	PPBV		95
49) TRICHLOROETHYLENE	11.83	95	5257	0.08	PPBV		85
59) TOLUENE	13.71	92	25447	0.26	PPBV	#	84
64) TETRACHLOROETHYLENE	14.90	164	6323	0.11	PPBV		92
71) m,p-XYLENE	16.21	106	7462	0.10	PPBV		87

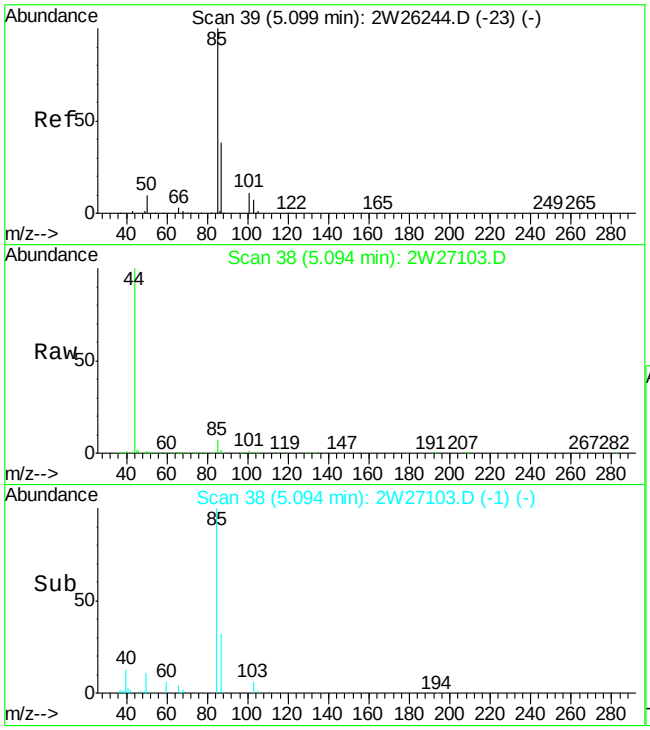
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27103.D Vial: 16
Acq On : 5 May 2010 4:06 am Operator: yunxiac
Sample : ja45062-20 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:50 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

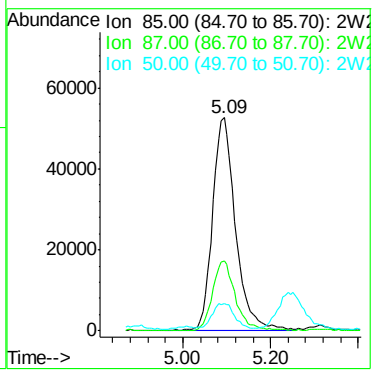


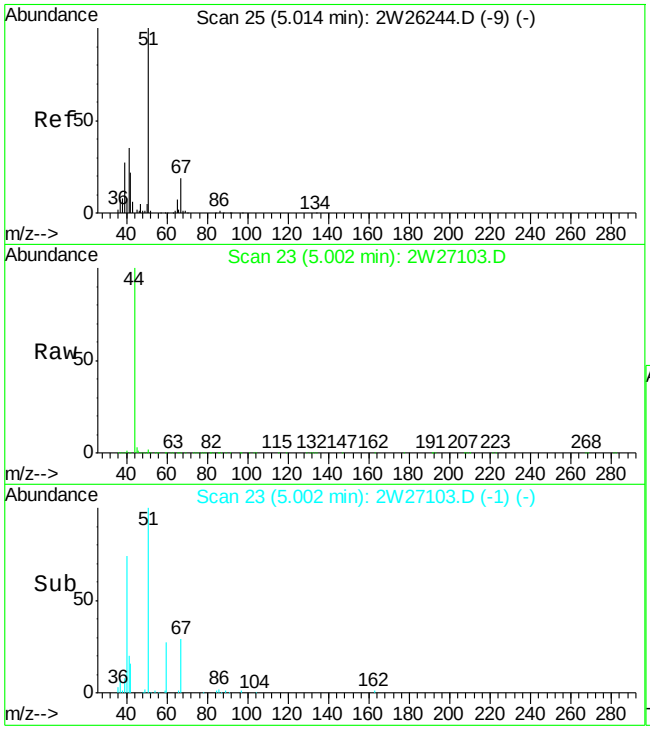


#3
DICHLORODIFLUOROMETHANE
Concen: 1.36 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 85 Resp: 192423

Ion	Ratio	Lower	Upper
85	100		
87	32.9	14.2	54.2
50	11.1	0.0	31.0

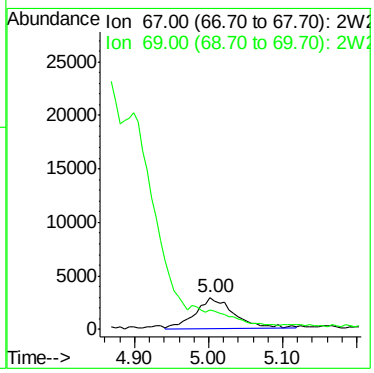


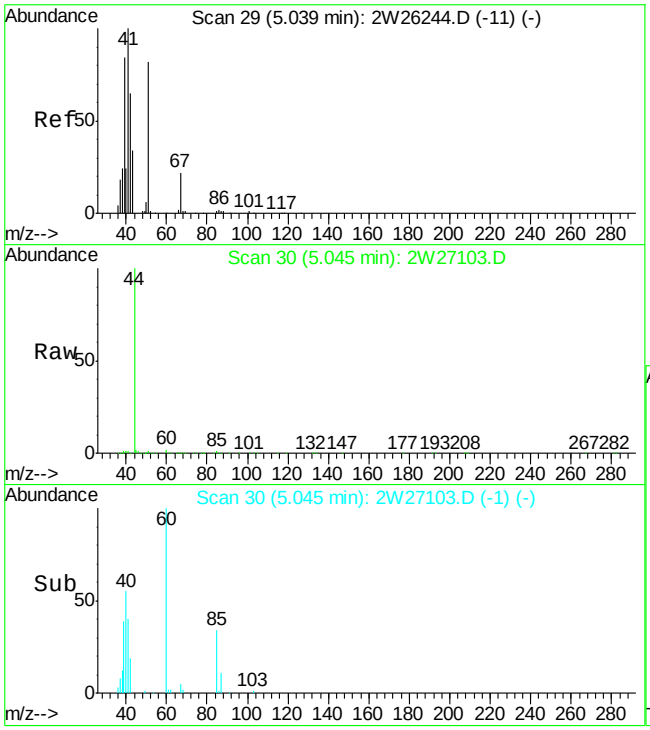


#5
CHLORODIFLUOROMETHANE
Concen: 0.65 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 67 Resp: 10442

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#

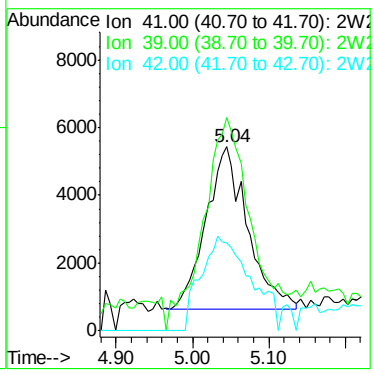


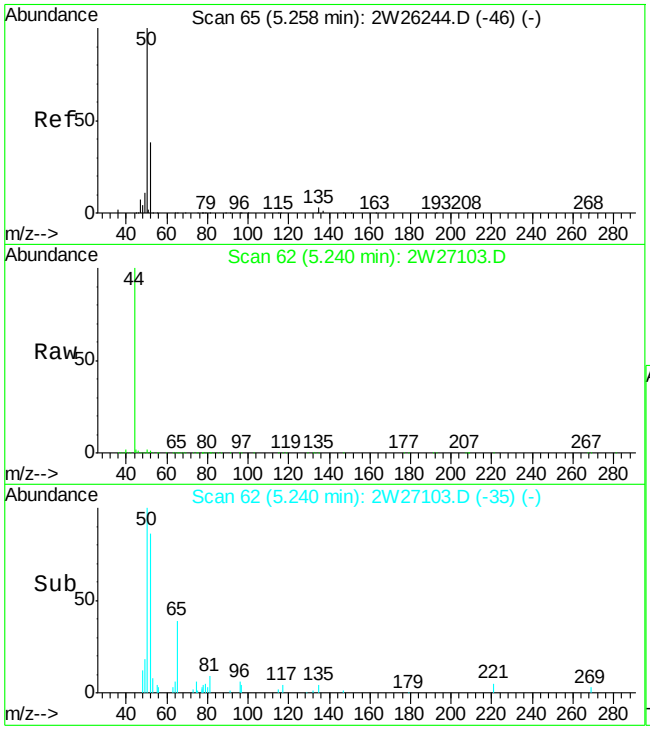


#6
PROPYLENE
Concen: 0.30 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 41 Resp: 18224

Ion	Ratio	Lower	Upper
41	100		
39	115.9	47.9	87.9#
42	47.6	47.3	87.3

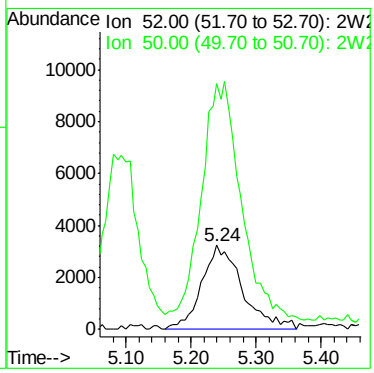


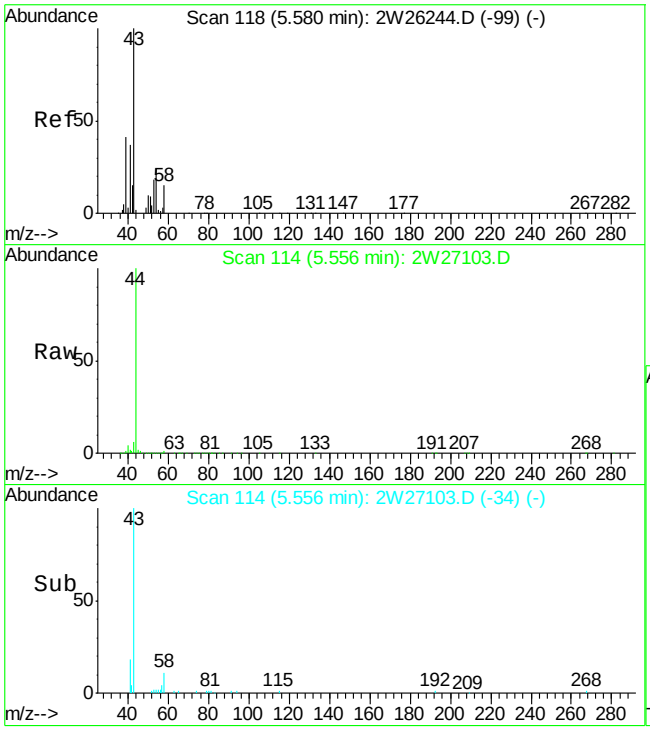


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 52 Resp: 14196

Ion	Ratio	Lower	Upper
52	100		
50	276.0	268.7	308.7

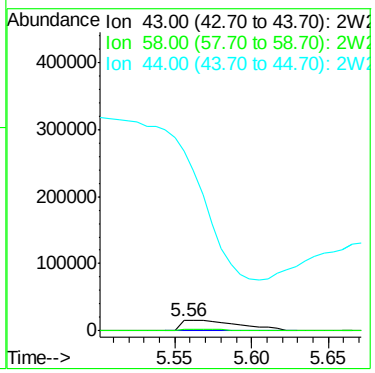


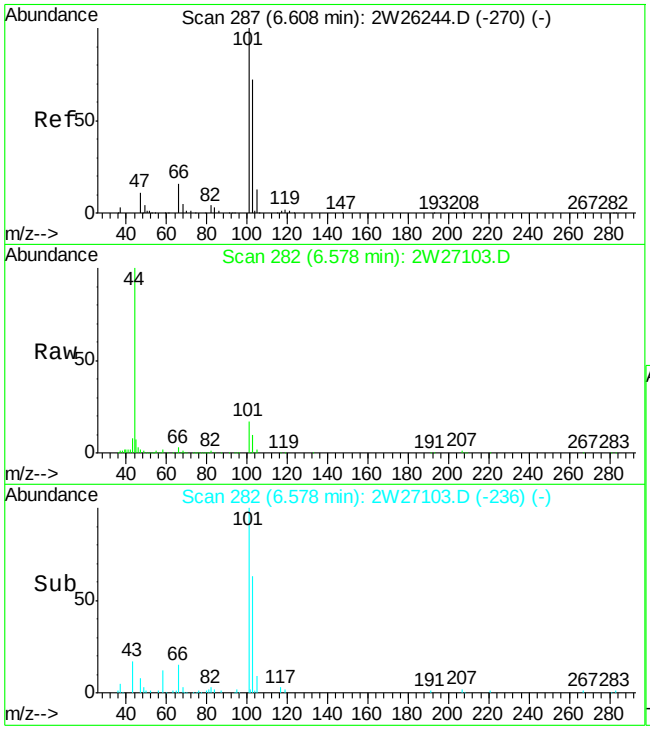


#12
n-BUTANE
Concen: 0.37 PPBV
RT: 5.56 min Scan# 114
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 43 Resp: 40578

Ion	Ratio	Lower	Upper
43	100		
58	16.8	10.6	15.8#
44	0.0	2.3	3.5#

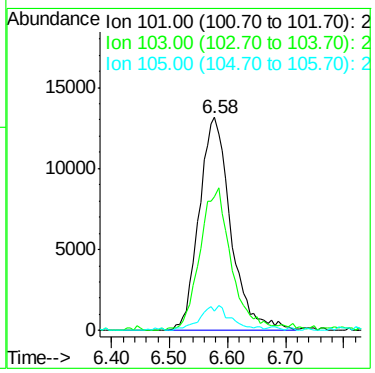




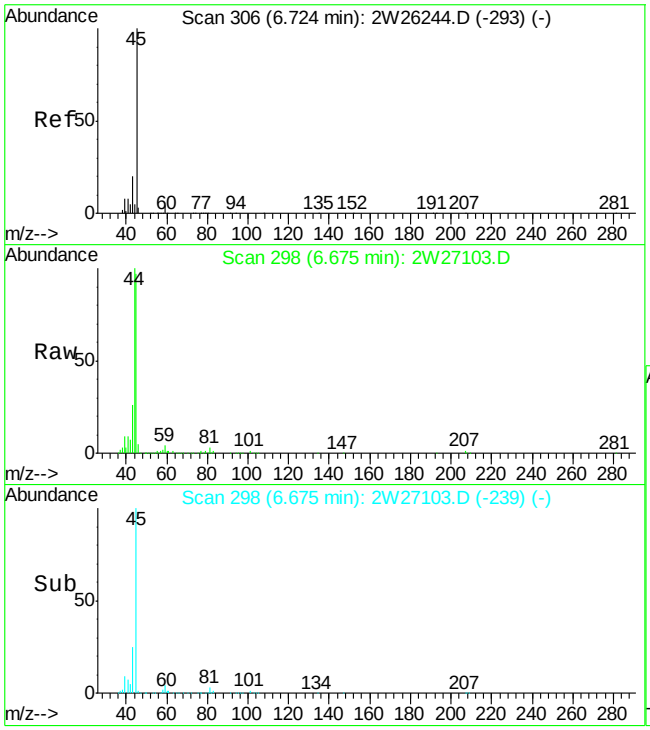
#17
TRICHLOROFLUOROMETHANE
Concen: 0.42 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion:101 Resp: 49778

Ion	Ratio	Lower	Upper
101	100		
103	66.1	46.7	86.7
105	11.2	0.0	31.2



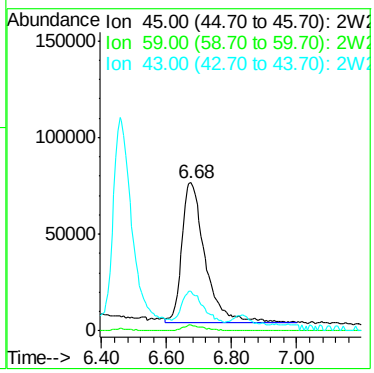
ACCUTEST Laboratories JA45062

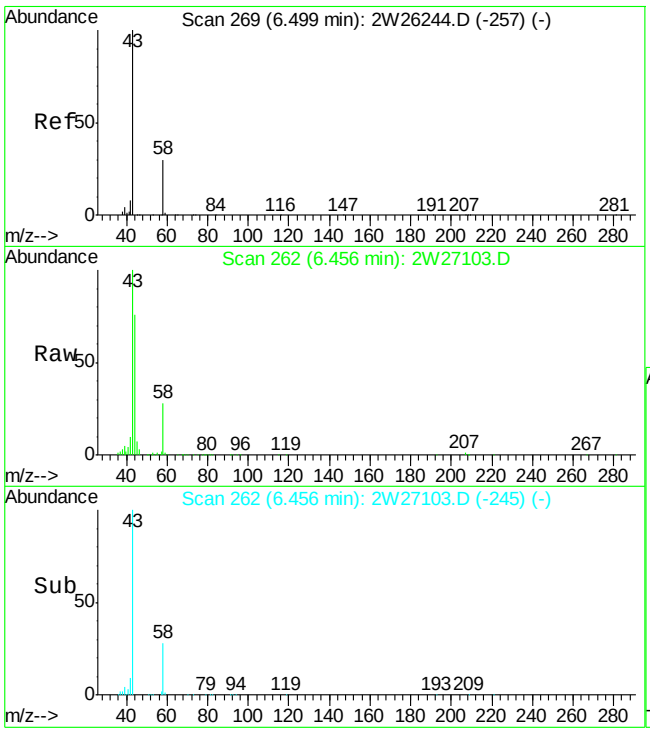


#18
ISOPROPYL ALCOHOL
Concen: 4.15 PPBV
RT: 6.68 min Scan# 298
Delta R.T. 0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 45 Resp: 361520

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.1
43	26.6	0.2	40.2

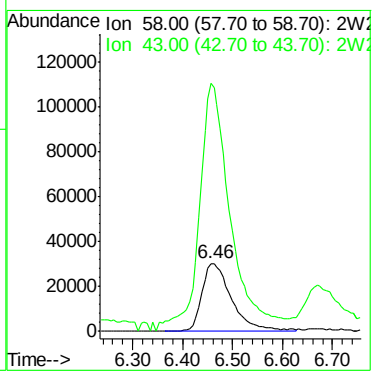


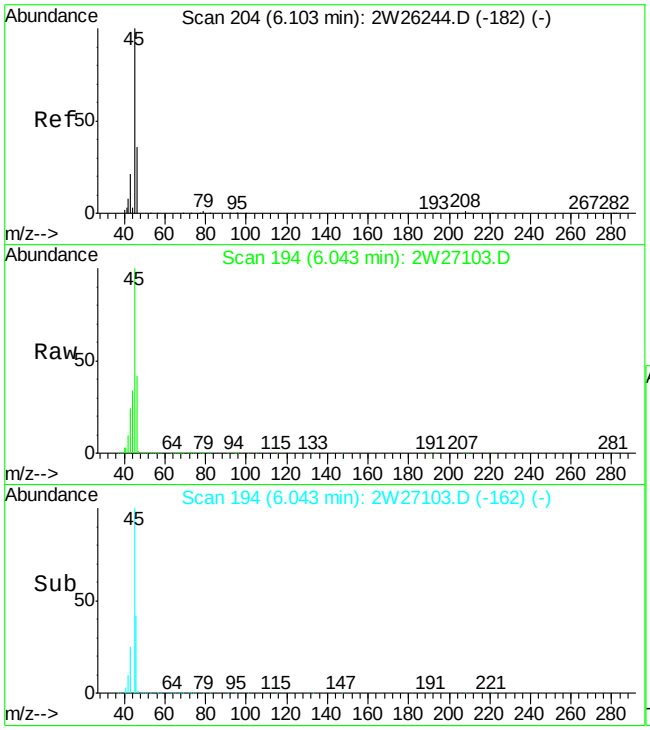


#19
ACETONE
Concen: 5.30 PPBV
RT: 6.46 min Scan# 262
Delta R.T. 0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 58 Resp: 126940

Ion	Ratio	Lower	Upper
58	100		
43	326.6	315.8	355.8

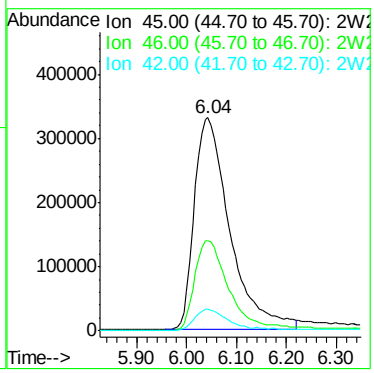


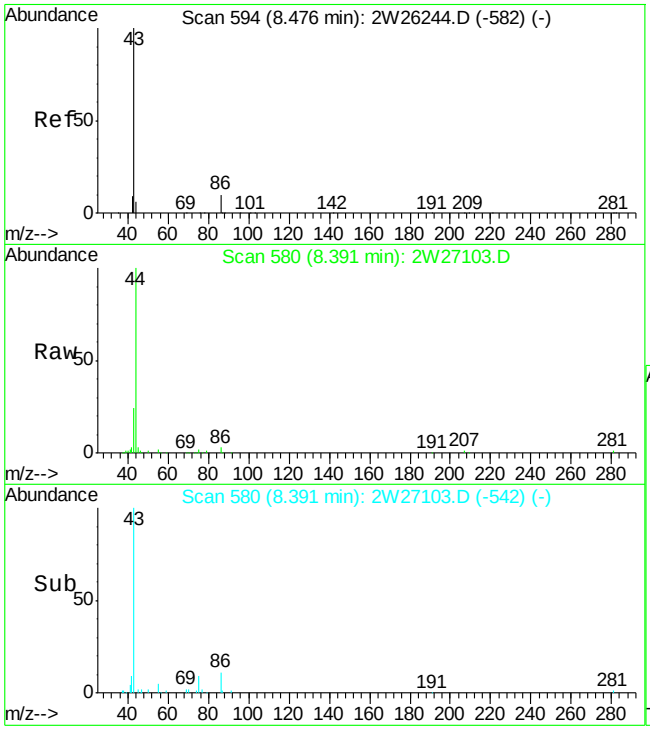


#25
ETHANOL
Concen: 67.56 PPBV
RT: 6.04 min Scan# 194
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 45 Resp: 1635378

Ion	Ratio	Lower	Upper
45	100		
46	40.9	9.3	69.3
42	9.9	0.0	37.7

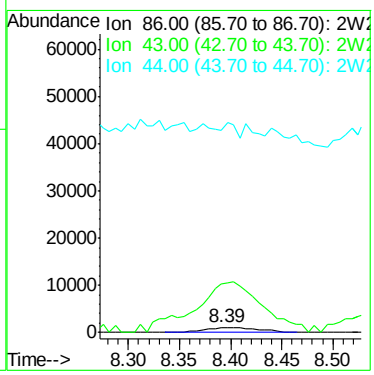


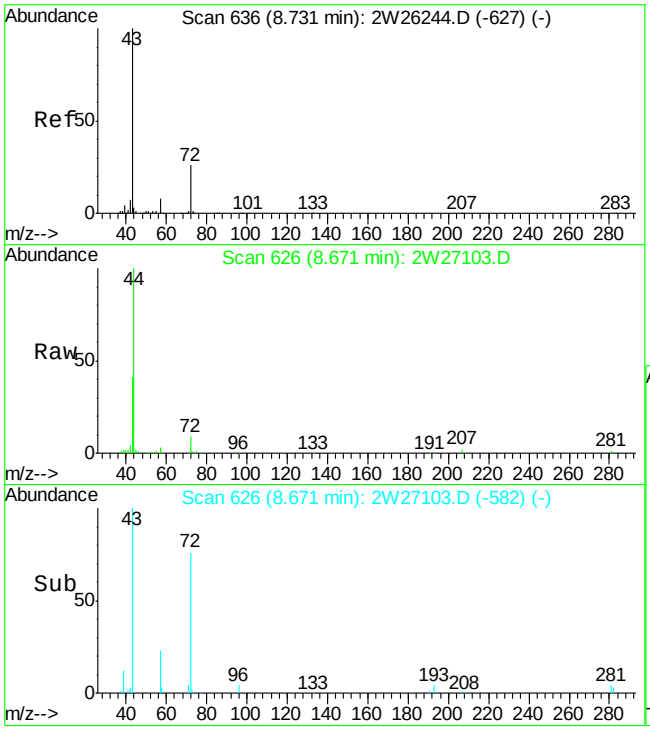


#35
VINYL ACETATE
Concen: 0.39 PPBV
RT: 8.39 min Scan# 580
Delta R.T. -0.02 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 86 Resp: 3924

Ion	Ratio	Lower	Upper
86	100		
43	1269.6	1182.5	1222.5#
44	0.0	43.0	83.0#

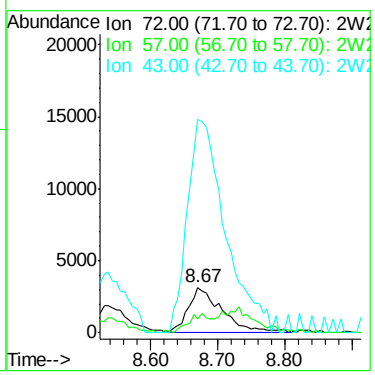


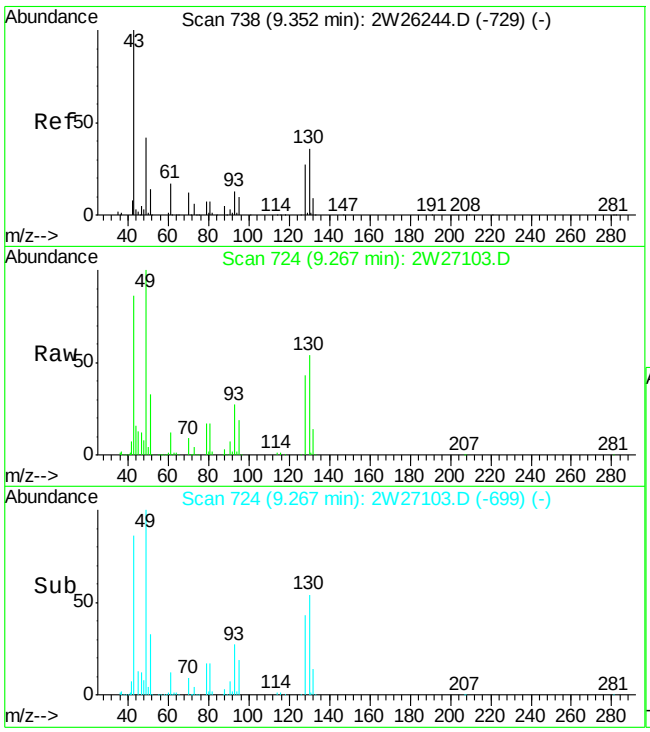


#37
METHYL ETHYL KETONE
Concen: 0.51 PPBV
RT: 8.67 min Scan# 626
Delta R.T. 0.02 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 72 Resp: 11179

Ion	Ratio	Lower	Upper
72	100		
57	30.9	13.8	53.8
43	470.2	389.3	429.3#

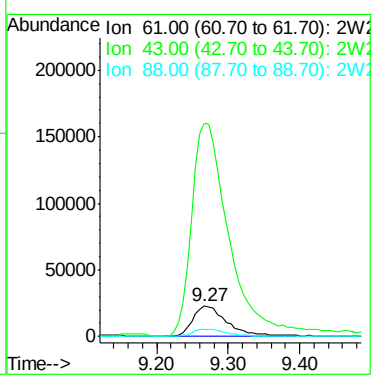


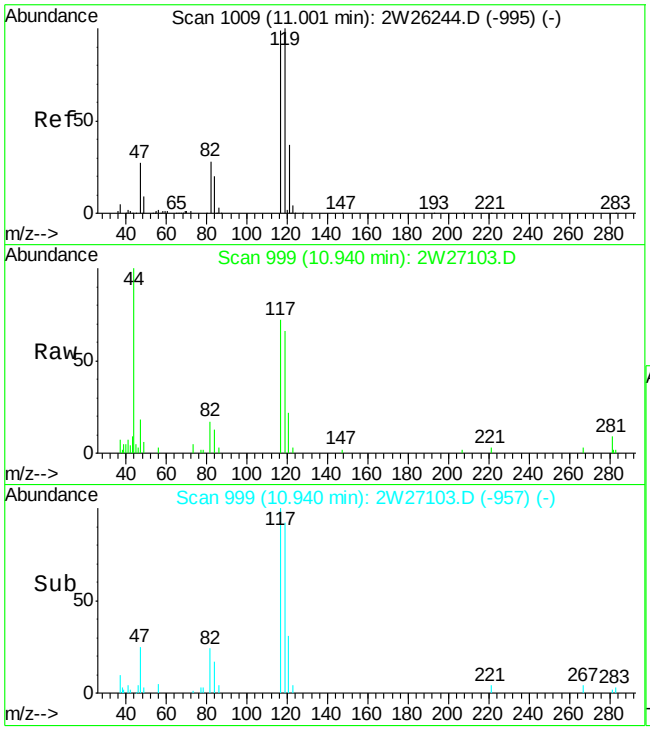


#39
ETHYL ACETATE
Concen: 5.53 PPBV
RT: 9.27 min Scan# 724
Delta R.T. 0.00 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 61 Resp: 77047

Ion	Ratio	Lower	Upper
61	100		
43	747.6	606.5	646.5#
88	25.5	4.8	44.8

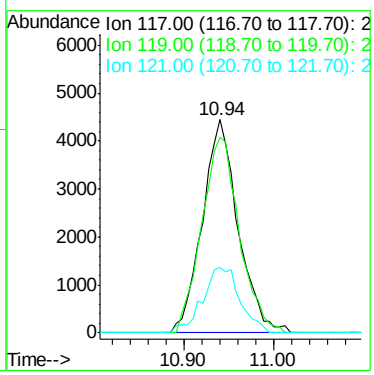


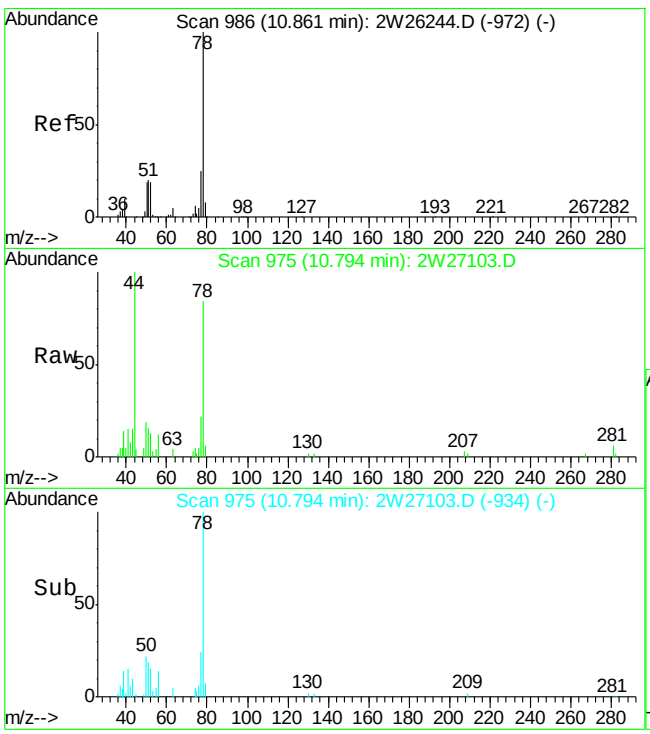


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion:117 Resp: 12311

Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.0	118.0
121	32.2	12.8	52.8

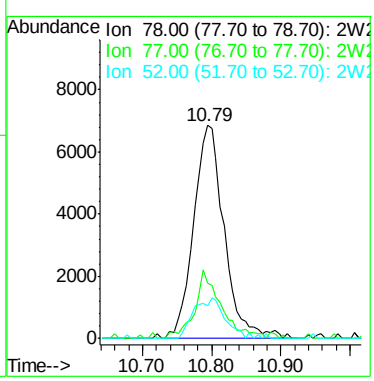


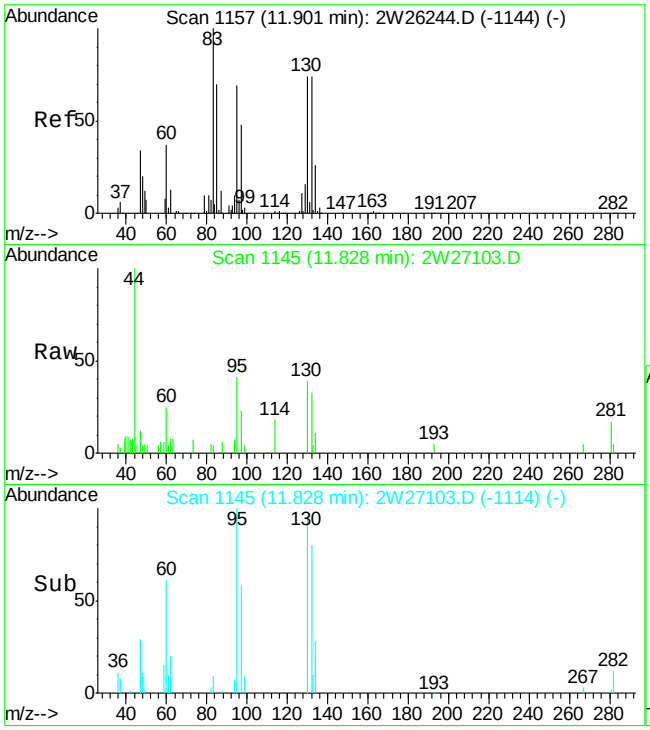


#46
BENZENE
Concen: 0.13 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 78 Resp: 21080

Ion	Ratio	Lower	Upper
78	100		
77	27.7	4.9	44.9
52	19.3	0.0	37.9

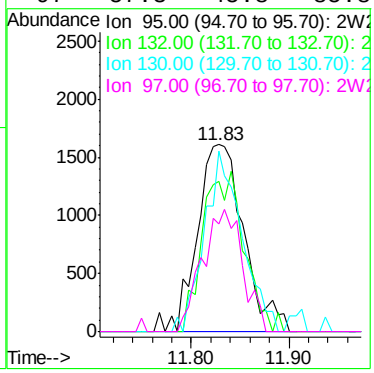


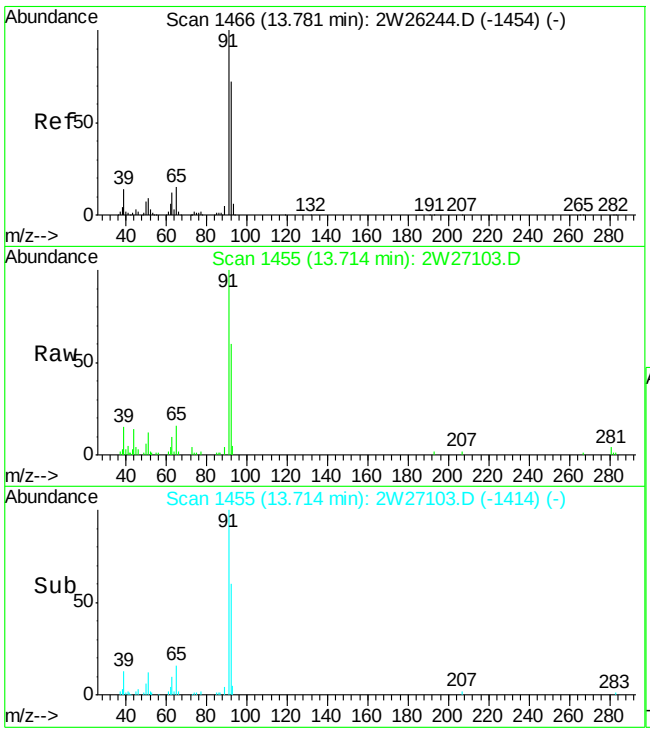


#49
TRICHLOROETHYLENE
Concen: 0.08 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 95 Resp: 5257

Ion	Ratio	Lower	Upper
95	100		
132	76.7	72.7	112.7
130	78.8	75.6	115.6
97	57.3	45.8	85.8

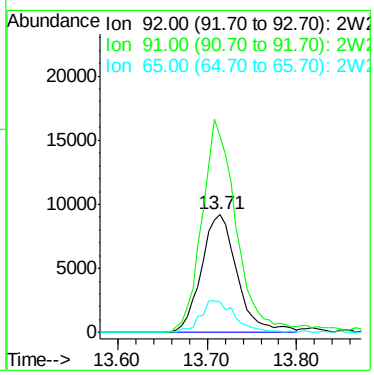


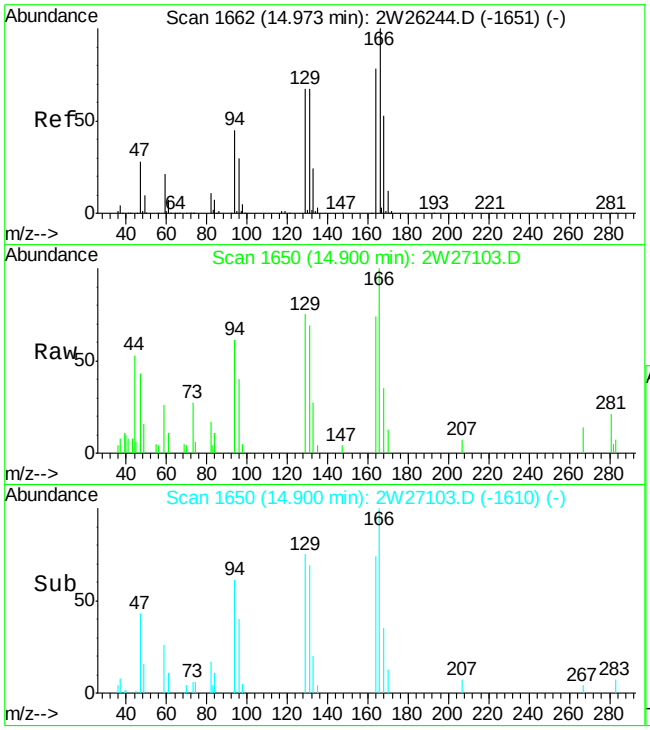


#59
TOLUENE
Concen: 0.26 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion: 92 Resp: 25447

Ion	Ratio	Lower	Upper
92	100		
91	177.5	136.6	176.6#
65	26.4	0.9	40.9

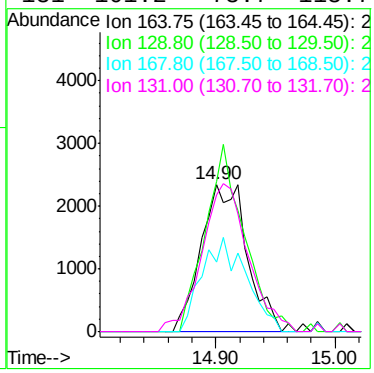


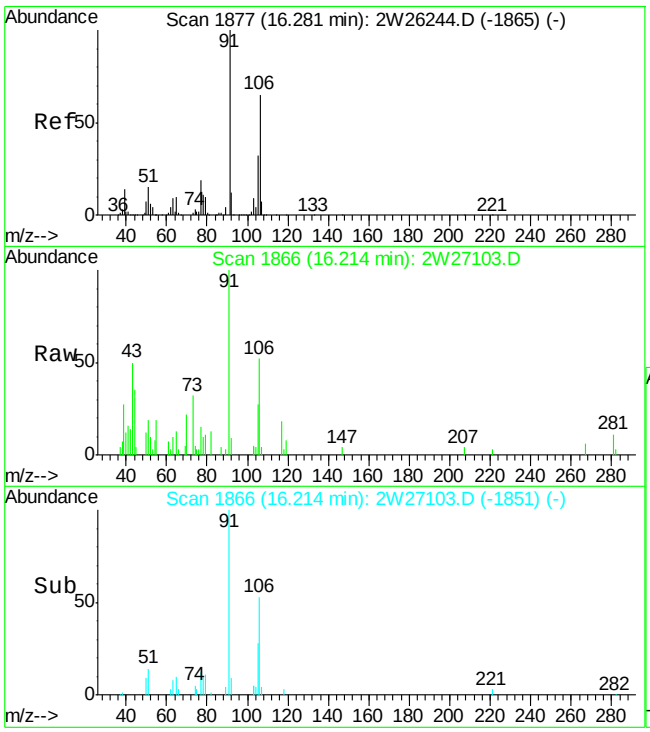


#64
TETRACHLOROETHYLENE
Concen: 0.11 PPBV
RT: 14.90 min Scan# 1650
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion:164 Resp: 6323

Ion	Ratio	Lower	Upper
164	100		
129	106.9	76.6	116.6
168	61.3	44.5	84.5
131	101.2	73.7	113.7

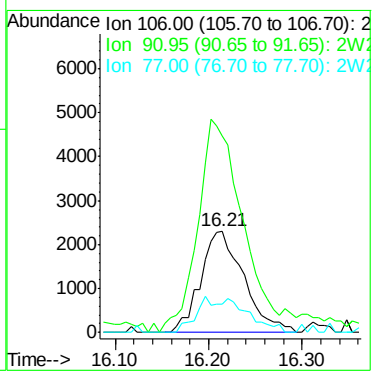




#71
m,p-XYLENE
Concen: 0.10 PPBV
RT: 16.21 min Scan# 1866
Delta R.T. -0.01 min
Lab File: 2W27103.D
Acq: 5 May 2010 4:06 am

Tgt Ion:106 Resp: 7462

Ion	Ratio	Lower	Upper
106	100		
91	193.2	138.6	207.8
77	28.2	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27104.D Vial: 1
Acq On : 5 May 2010 4:50 am Operator: yunxiac
Sample : ja45062-21 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:35 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

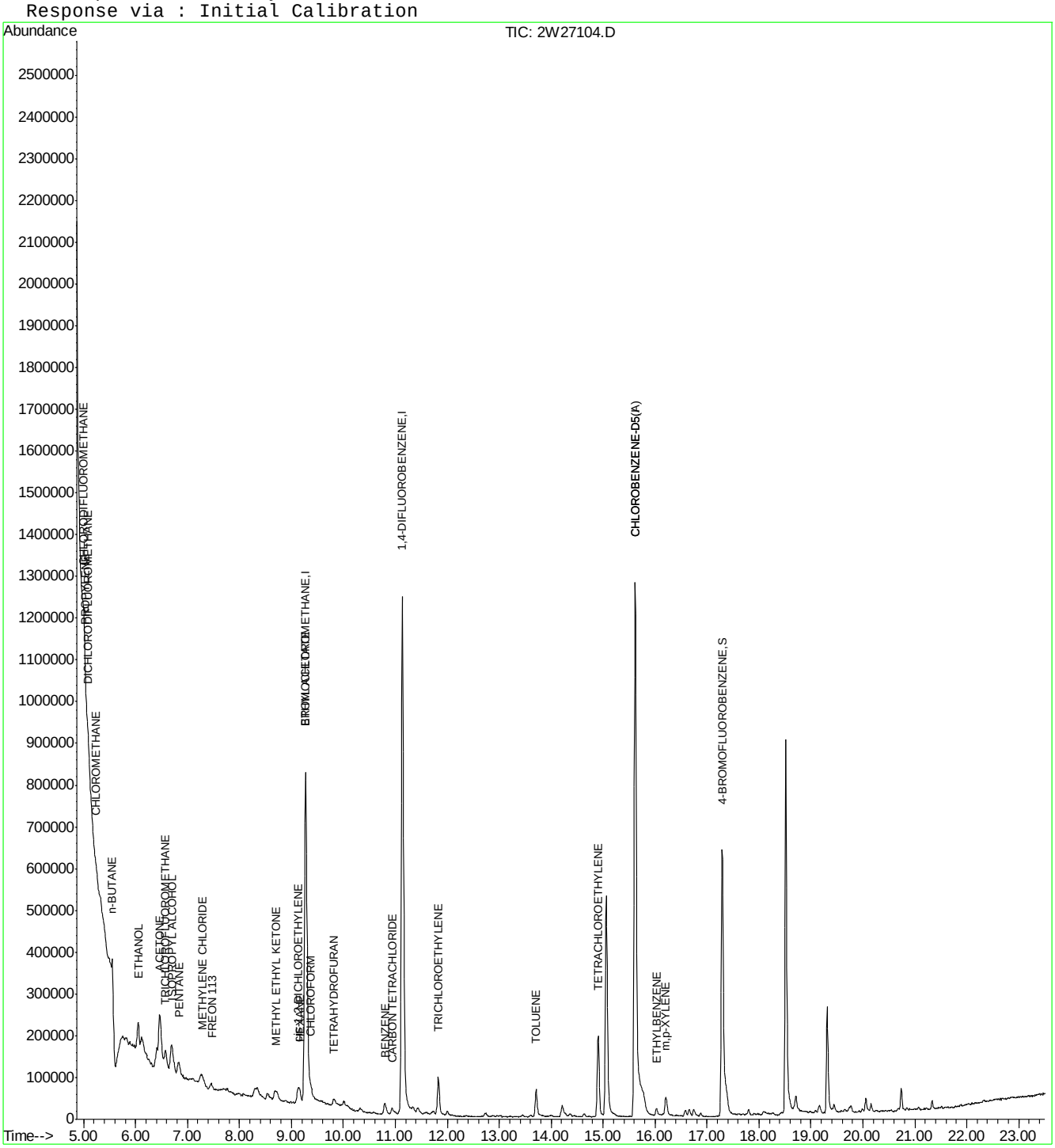
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	292559	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1428869	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	787088	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	787088	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	388171	4.75	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	111407	0.83	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	79808	5.20	PPBV		98
6) PROPYLENE	5.04	41	22624	0.39	PPBV	#	62
9) CHLOROMETHANE	5.24	52	13530	0.61	PPBV		99
12) n-BUTANE	5.56	43	86933	0.82	PPBV	#	96
17) TRICHLOROFLUOROMETHANE	6.58	101	77994	0.68	PPBV		99
18) ISOPROPYL ALCOHOL	6.71	45	170042	2.05	PPBV		84
19) ACETONE	6.47	58	100246	4.39	PPBV	#	69
20) PENTANE	6.83	42	24755	0.41	PPBV	#	79
25) ETHANOL	6.06	45	206776	8.96	PPBV		96
27) METHYLENE CHLORIDE	7.28	84	8706	0.21	PPBV		88
29) FREON 113	7.47	151	5926	0.11	PPBV	#	78
33) TETRAHYDROFURAN	9.81	72	5309	0.23	PPBV	#	71
34) HEXANE	9.16	57	14297	0.18	PPBV		86
37) METHYL ETHYL KETONE	8.70	72	9944	0.47	PPBV	#	91
38) cis-1,2-DICHLOROETHYLENE	9.13	96	23271	0.47	PPBV		88
39) ETHYL ACETATE	9.28	61	38862	2.92	PPBV	#	39
40) CHLOROFORM	9.37	83	16293	0.17	PPBV	#	84
43) CARBON TETRACHLORIDE	10.94	117	13282	0.14	PPBV		97
46) BENZENE	10.79	78	27082	0.18	PPBV		97
49) TRICHLOROETHYLENE	11.83	95	49320	0.86	PPBV		93
59) TOLUENE	13.71	92	40598	0.45	PPBV		88
64) TETRACHLOROETHYLENE	14.91	164	57381	1.03	PPBV		92
70) ETHYLBENZENE	16.03	91	17502	0.10	PPBV		88
71) m,p-XYLENE	16.21	106	21226	0.31	PPBV	#	74

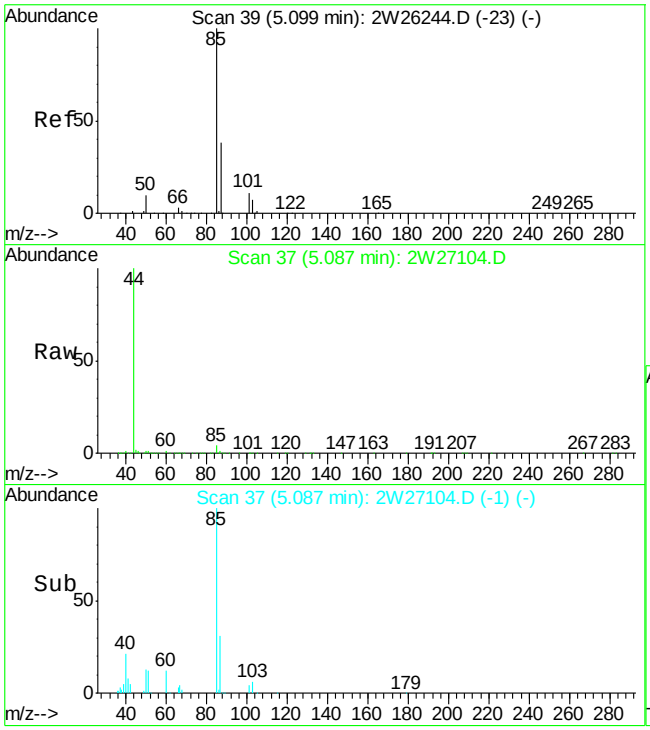
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27104.D Vial: 1
Acq On : 5 May 2010 4:50 am Operator: yunxiac
Sample : ja45062-21 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:52 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

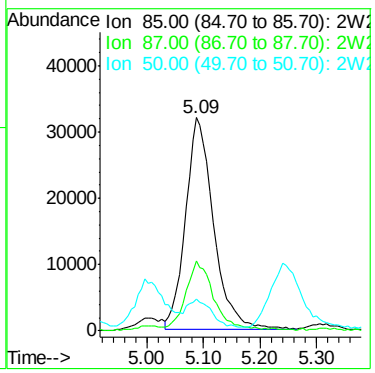


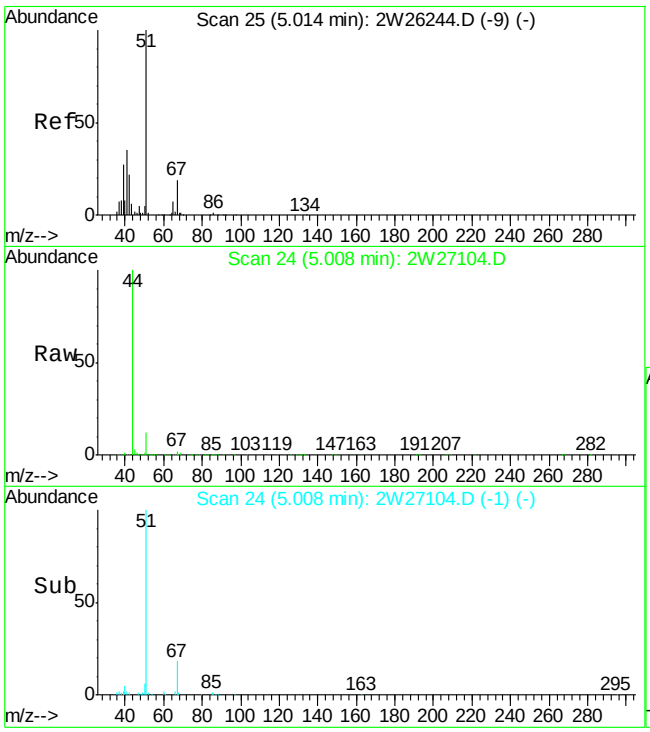


#3
DICHLORODIFLUOROMETHANE
Concen: 0.83 PPBV
RT: 5.09 min Scan# 37
Delta R.T. -0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 85 Resp: 111407

Ion	Ratio	Lower	Upper
85	100		
87	32.3	14.2	54.2
50	11.4	0.0	31.0

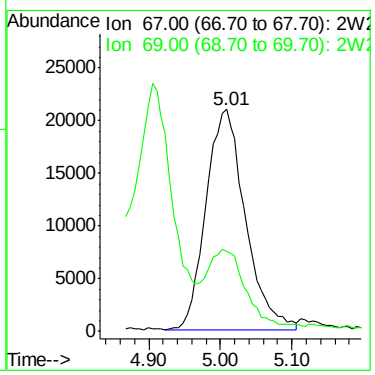


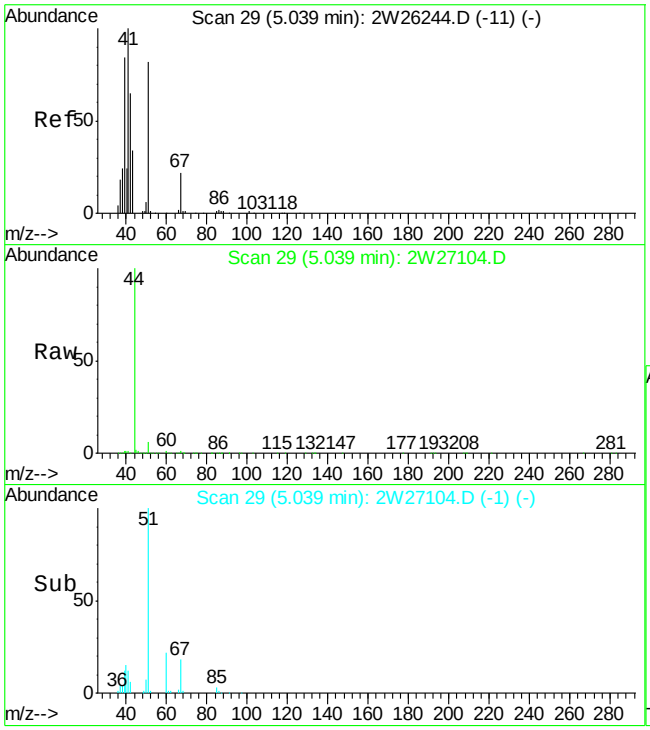


#5
CHLORODIFLUOROMETHANE
Concen: 5.20 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 67 Resp: 79808

Ion	Ratio	Lower	Upper
67	100		
69	32.5	13.6	53.6

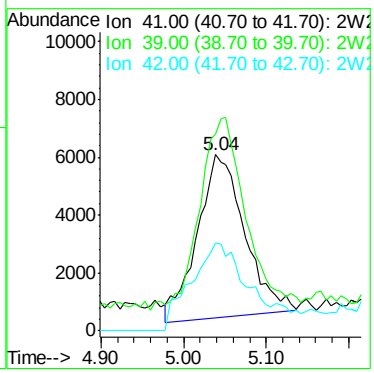


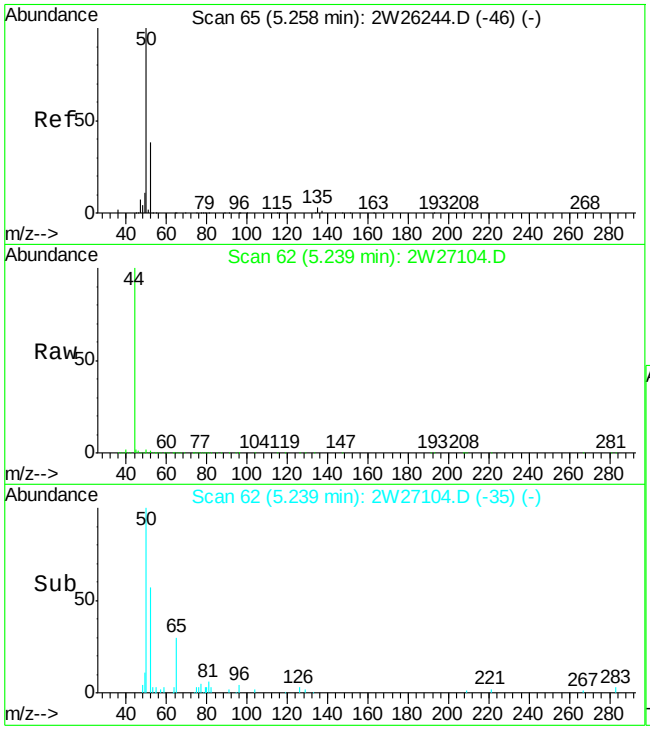


#6
PROPYLENE
Concen: 0.39 PPBV
RT: 5.04 min Scan# 29
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 41 Resp: 22624

Ion	Ratio	Lower	Upper
41	100		
39	111.6	47.9	87.9#
42	49.9	47.3	87.3

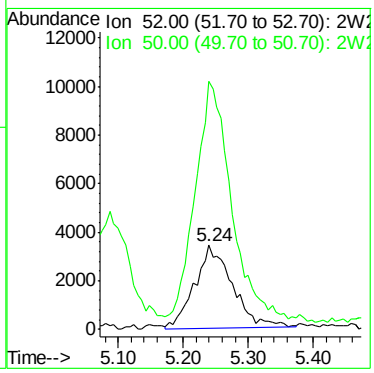


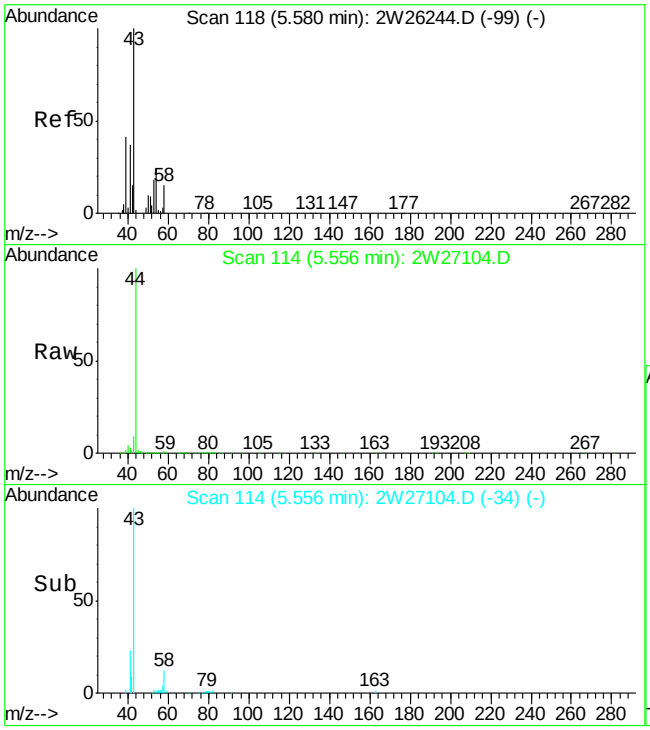


#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 52 Resp: 13530

Ion	Ratio	Lower	Upper
52	100		
50	291.2	268.7	308.7

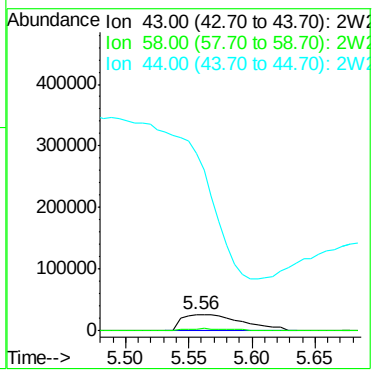


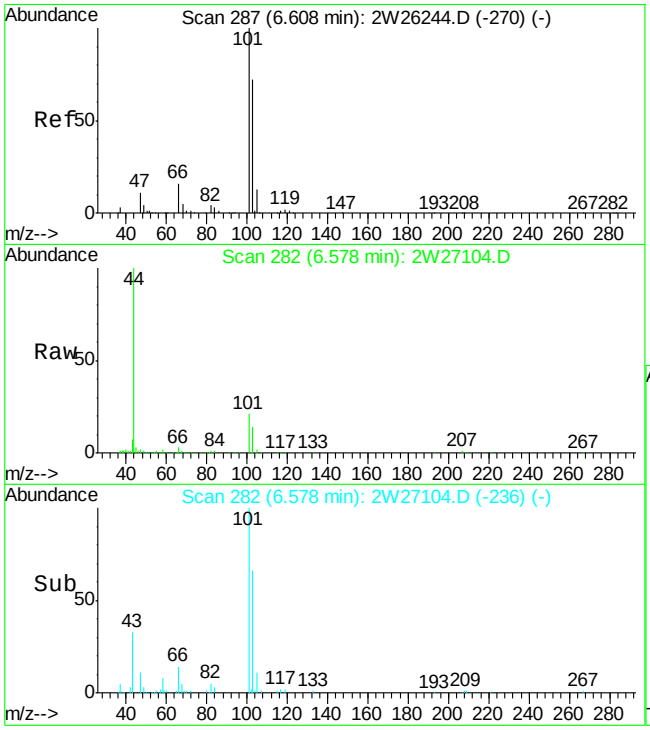


#12
n-BUTANE
Concen: 0.82 PPBV
RT: 5.56 min Scan# 114
Delta R.T. -0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 43 Resp: 86933

Ion	Ratio	Lower	Upper
43	100		
58	14.2	10.6	15.8
44	0.0	2.3	3.5#

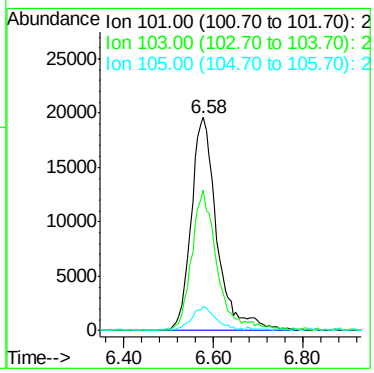


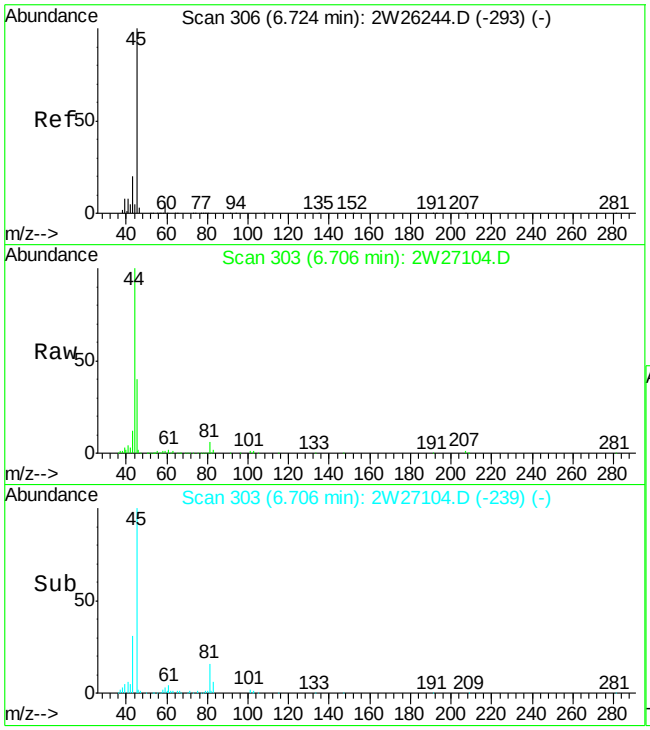


#17
TRICHLOROFLUOROMETHANE
Concen: 0.68 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion:101 Resp: 77994

Ion	Ratio	Lower	Upper
101	100		
103	65.5	46.7	86.7
105	10.9	0.0	31.2

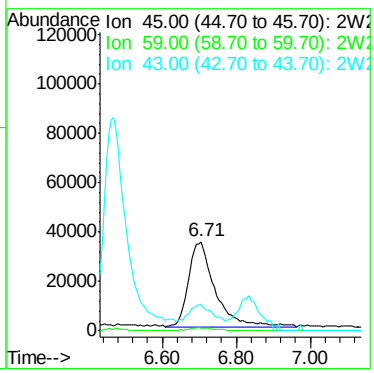


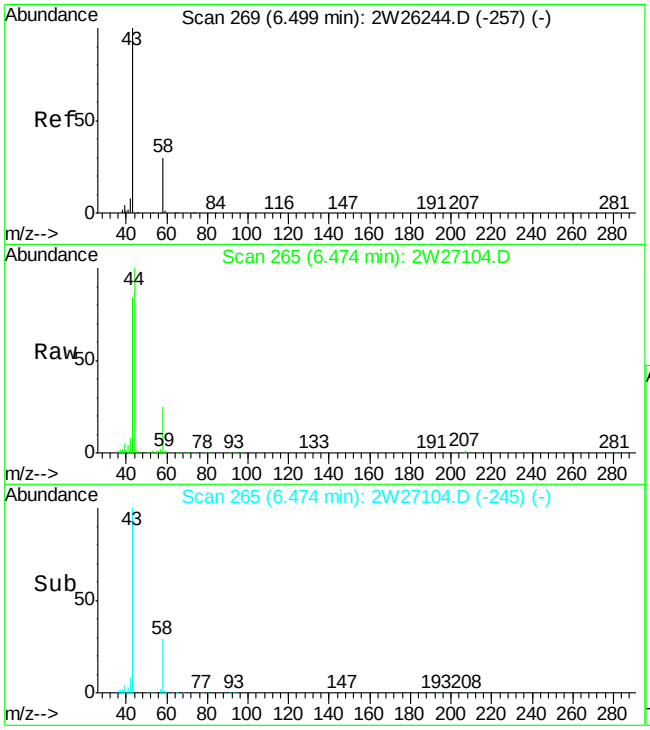


#18
ISOPROPYL ALCOHOL
Concen: 2.05 PPBV
RT: 6.71 min Scan# 303
Delta R.T. 0.04 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 45 Resp: 170042

Ion	Ratio	Lower	Upper
45	100		
59	3.2	0.0	24.1
43	29.0	0.2	40.2

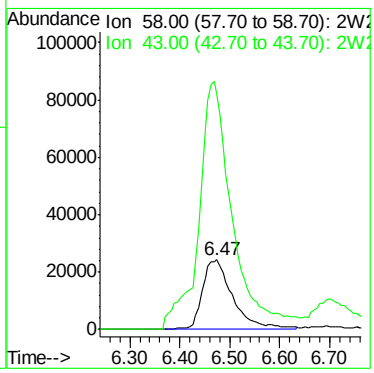


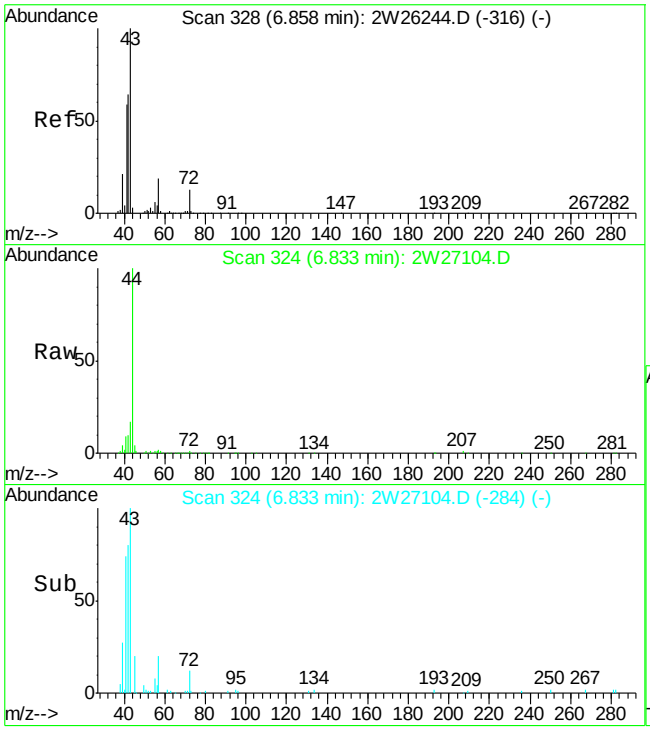


#19
ACETONE
Concen: 4.39 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 58 Resp: 100246

Ion	Ratio	Lower	Upper
58	100		
43	401.8	315.8	355.8#

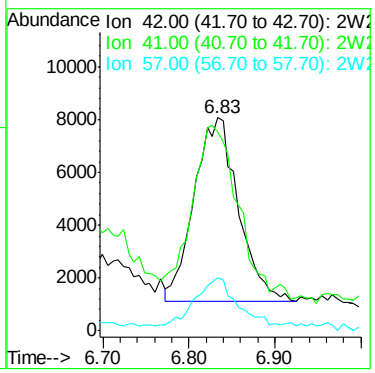


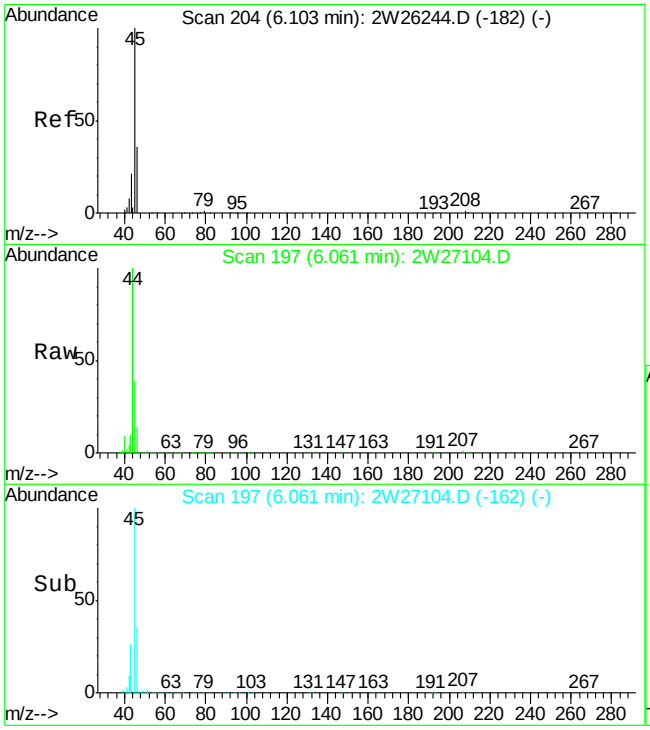


#20
PENTANE
Concen: 0.41 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 42 Resp: 24755

Ion	Ratio	Lower	Upper
42	100		
41	107.6	67.5	107.5#
57	34.6	6.1	46.1

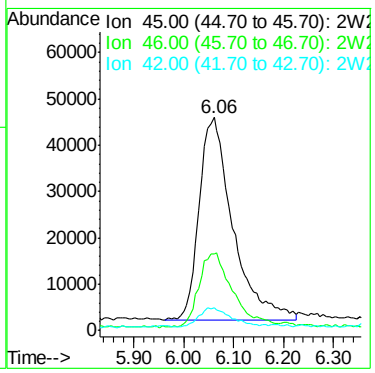


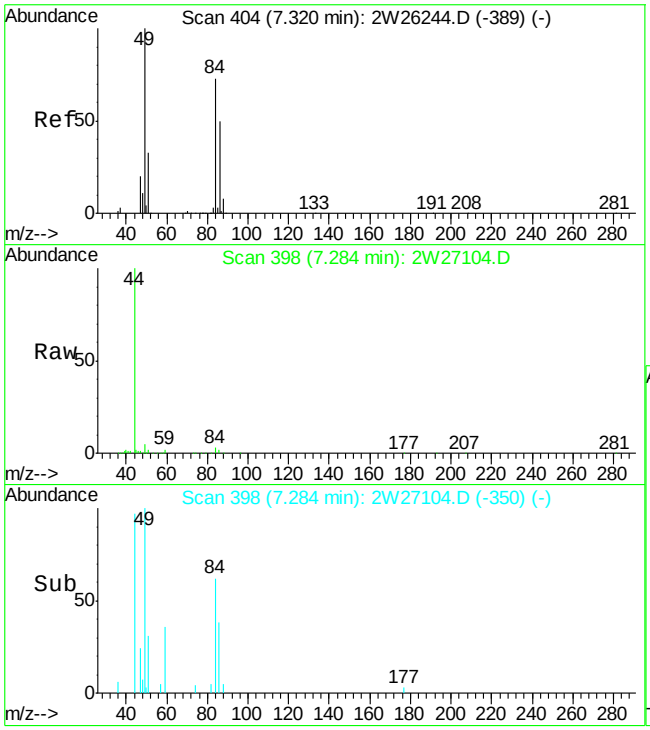


#25
ETHANOL
Concen: 8.96 PPBV
RT: 6.06 min Scan# 197
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 45 Resp: 206776

Ion	Ratio	Lower	Upper
45	100		
46	36.9	9.3	69.3
42	9.7	0.0	37.7

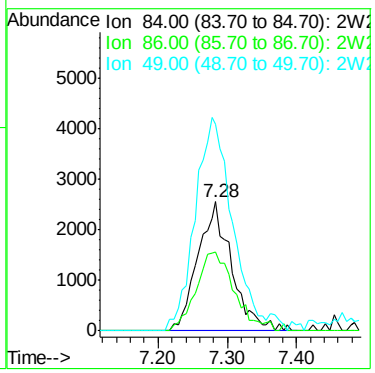


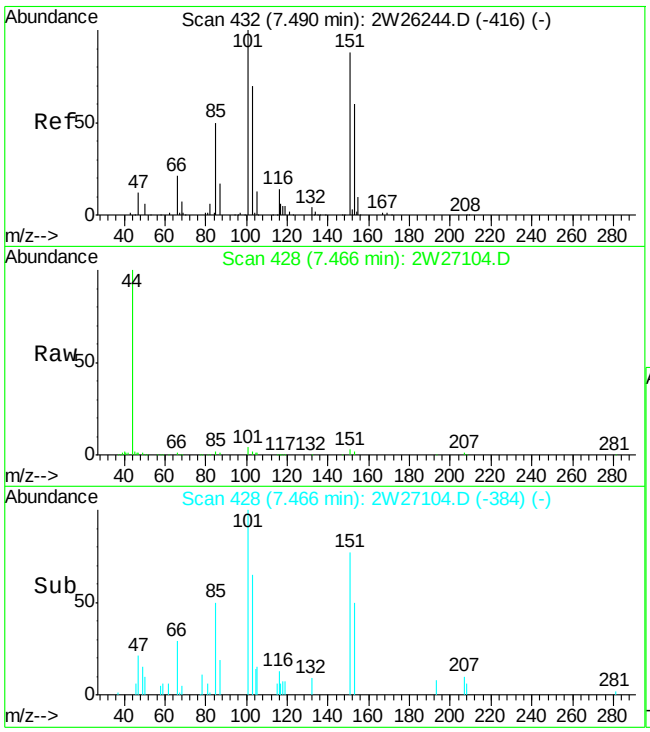


#27
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 84 Resp: 8706

Ion	Ratio	Lower	Upper
84	100		
86	69.0	44.9	84.9
49	179.4	0.0	360.7

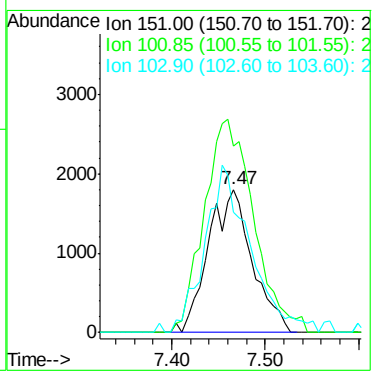


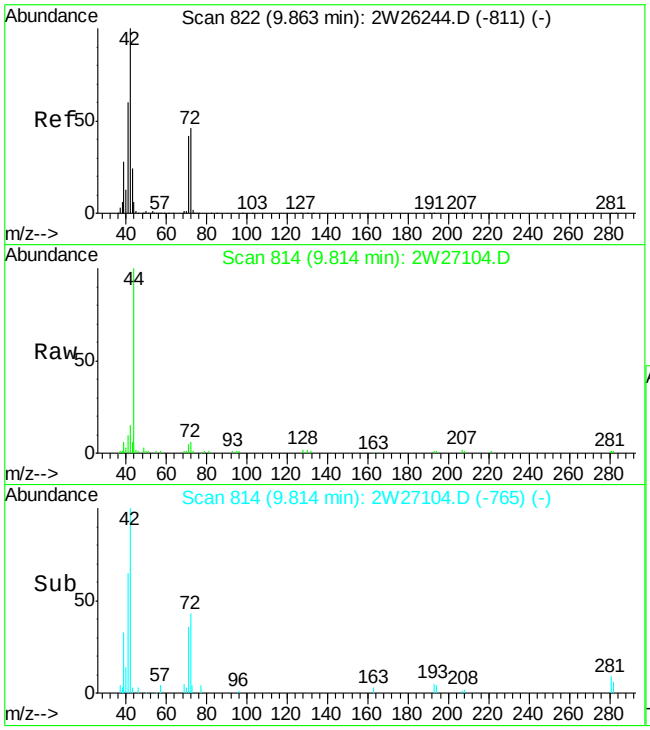


#29
FREON 113
Concen: 0.11 PPBV
RT: 7.47 min Scan# 428
Delta R.T. 0.02 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion:151 Resp: 5926

Ion	Ratio	Lower	Upper
151	100		
101	168.1	124.8	164.8#
103	120.3	75.2	115.2#

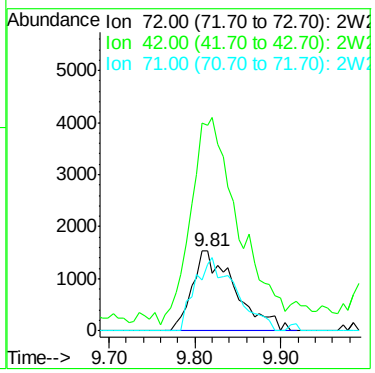


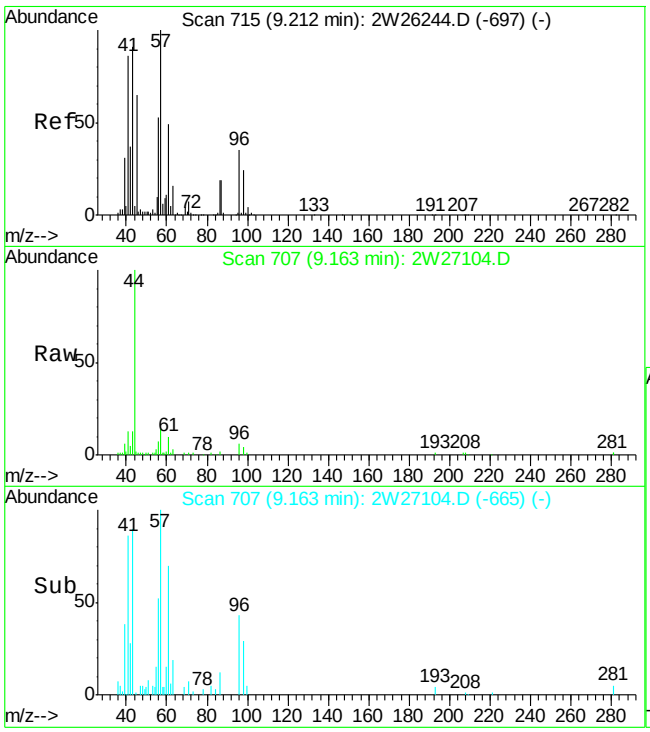


#33
TETRAHYDROFURAN
Concen: 0.23 PPBV
RT: 9.81 min Scan# 814
Delta R.T. 0.05 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 72 Resp: 5309

Ion	Ratio	Lower	Upper
72	100		
42	302.5	218.5	258.5#
71	86.9	74.3	114.3

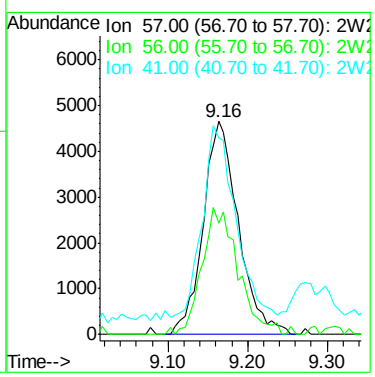


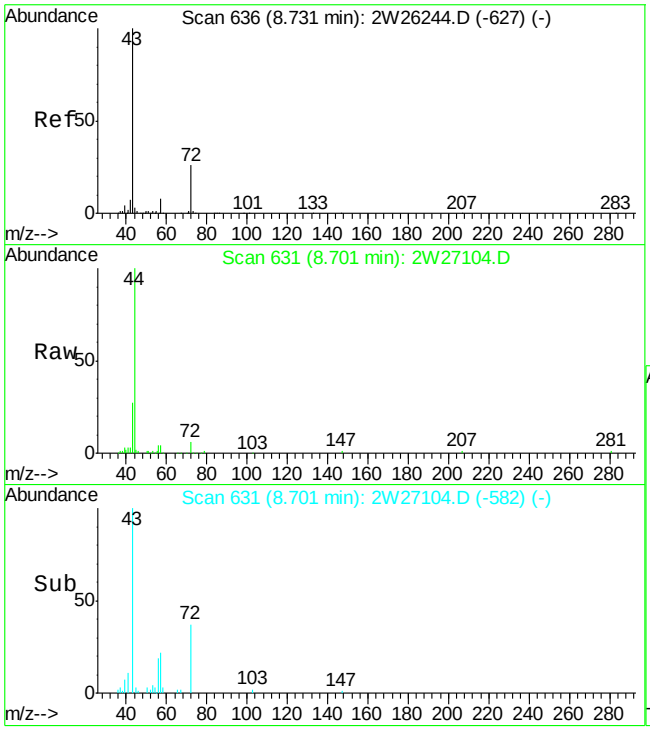


#34
HEXANE
Concen: 0.18 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 57 Resp: 14297

Ion	Ratio	Lower	Upper
57	100		
56	60.5	32.4	72.4
41	82.3	77.6	117.6

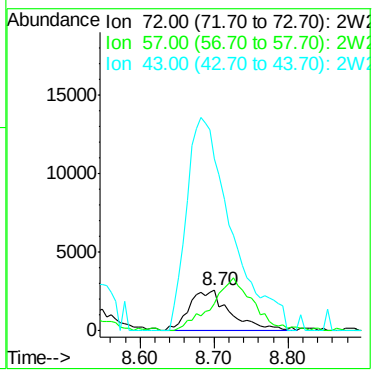


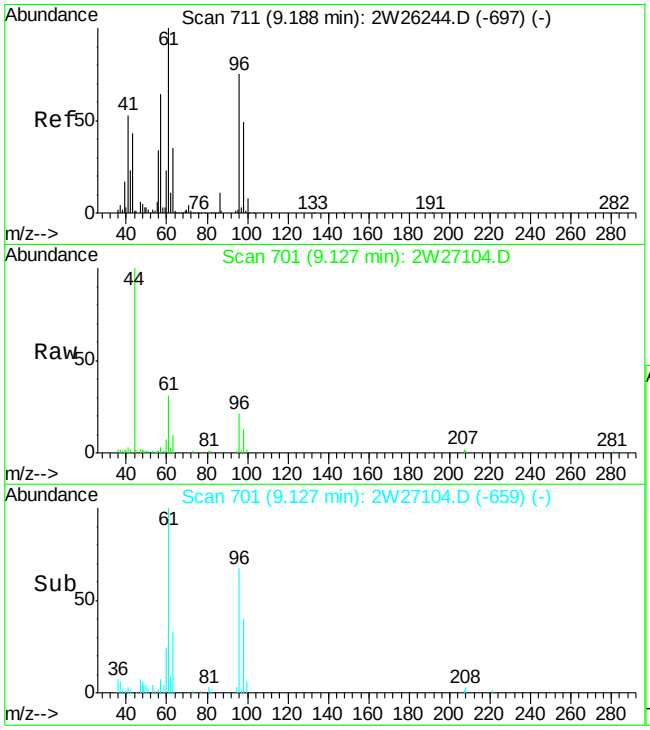


#37
METHYL ETHYL KETONE
Concen: 0.47 PPBV
RT: 8.70 min Scan# 631
Delta R.T. 0.05 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 72 Resp: 9944

Ion	Ratio	Lower	Upper
72	100		
57	65.4	13.8	53.8#
43	421.4	389.3	429.3

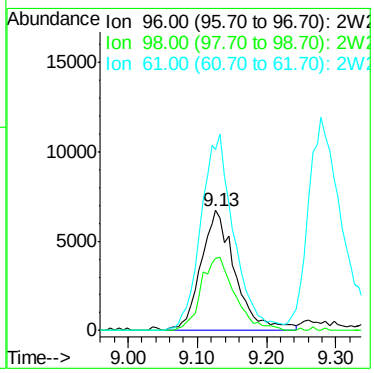


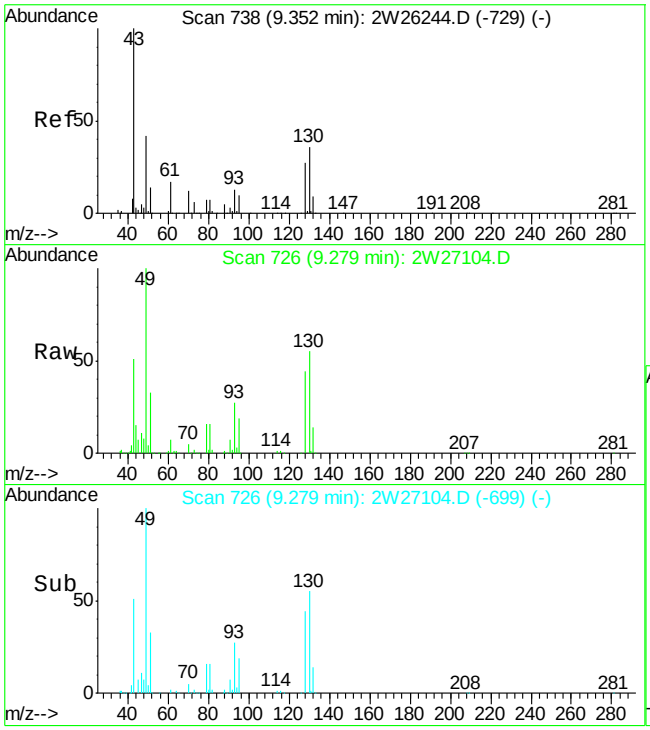


#38
cis-1,2-DICHLOROETHYLENE
Concen: 0.47 PPBV
RT: 9.13 min Scan# 701
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 96 Resp: 23271

Ion	Ratio	Lower	Upper
96	100		
98	60.0	44.4	84.4
61	156.1	118.1	158.1

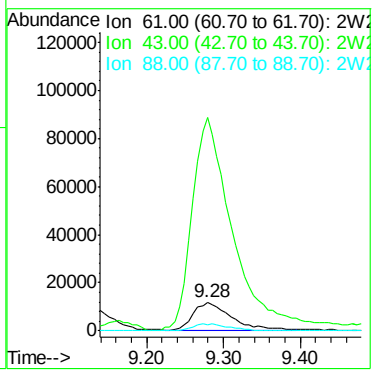


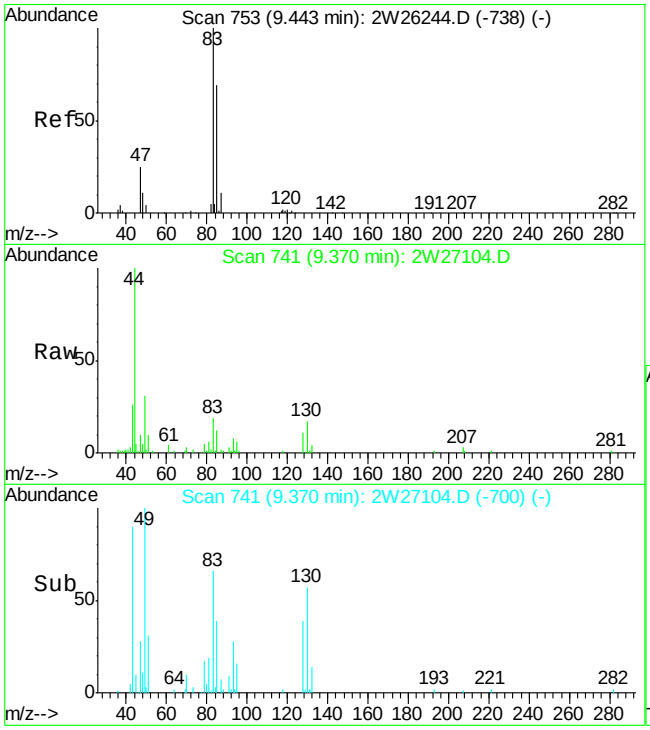


#39
ETHYL ACETATE
Concen: 2.92 PPBV
RT: 9.28 min Scan# 726
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 61 Resp: 38862

Ion	Ratio	Lower	Upper
61	100		
43	829.7	606.5	646.5#
88	26.0	4.8	44.8

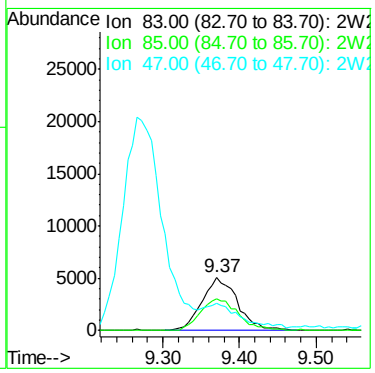


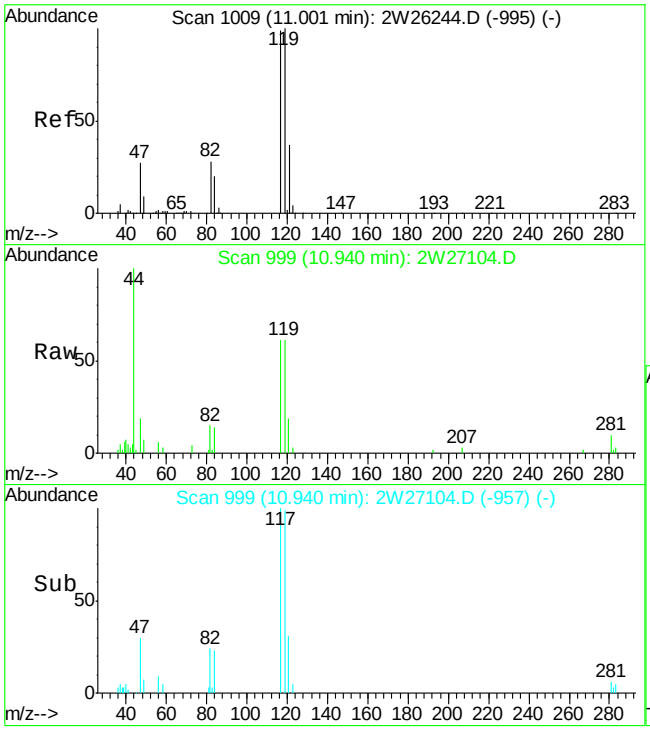


#40
CHLOROFORM
Concen: 0.17 PPBV
RT: 9.37 min Scan# 741
Delta R.T. -0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 83 Resp: 16293

Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.8	86.8
47	0.0	4.9	44.9#

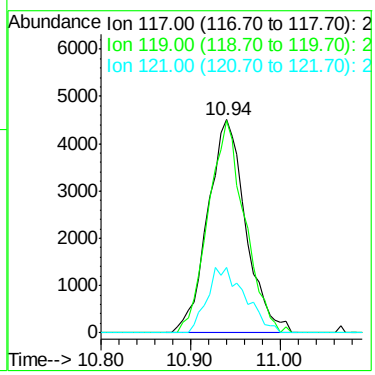


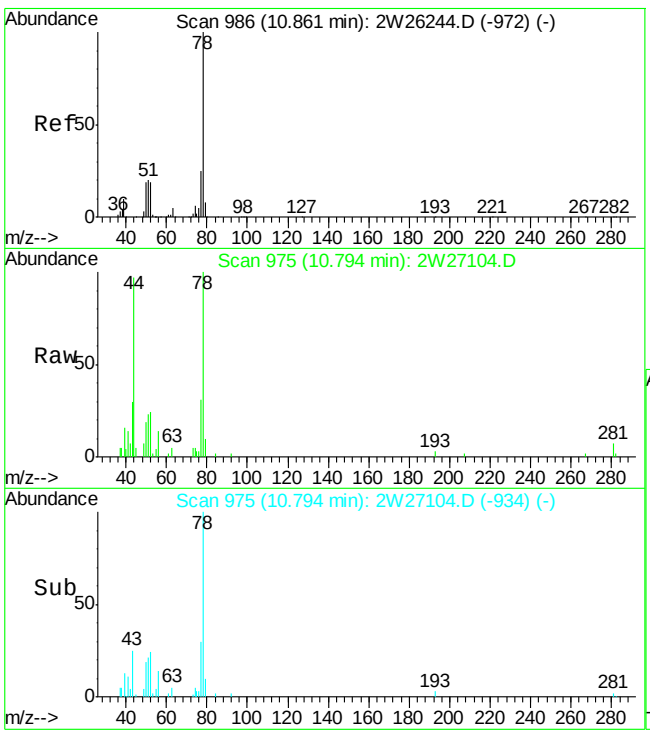


#43
CARBON TETRACHLORIDE
Concen: 0.14 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion:117 Resp: 13282

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.0	118.0
121	30.5	12.8	52.8

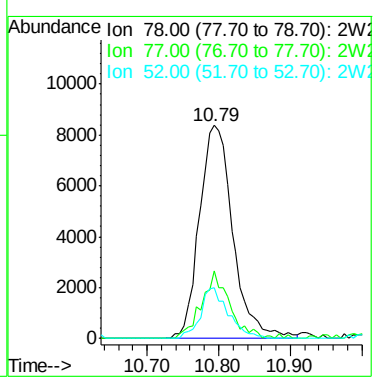


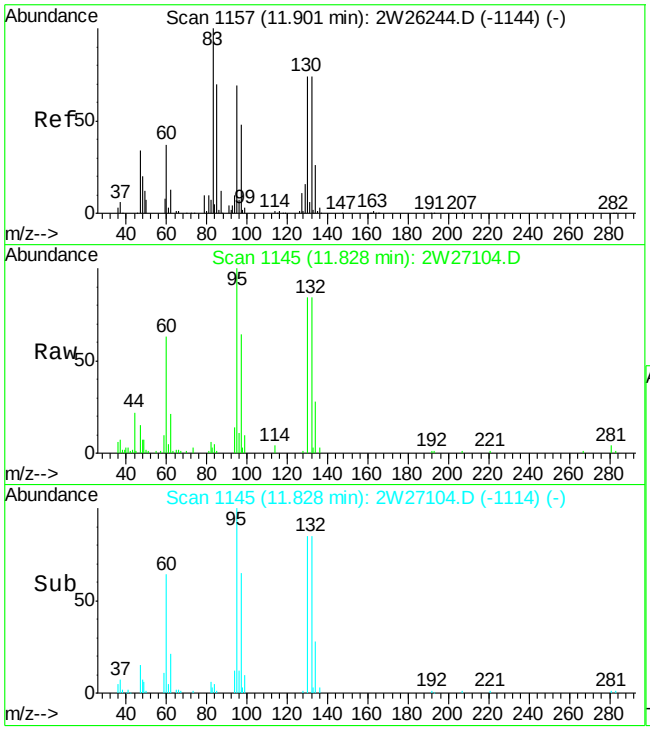


#46
BENZENE
Concen: 0.18 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 78 Resp: 27082

Ion	Ratio	Lower	Upper
78	100		
77	26.1	4.9	44.9
52	19.9	0.0	37.9

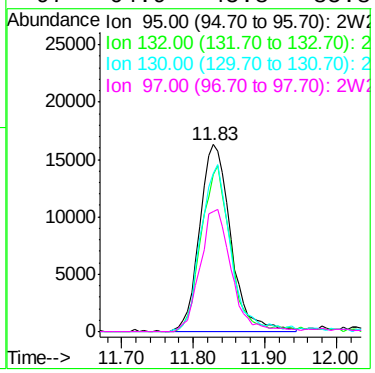


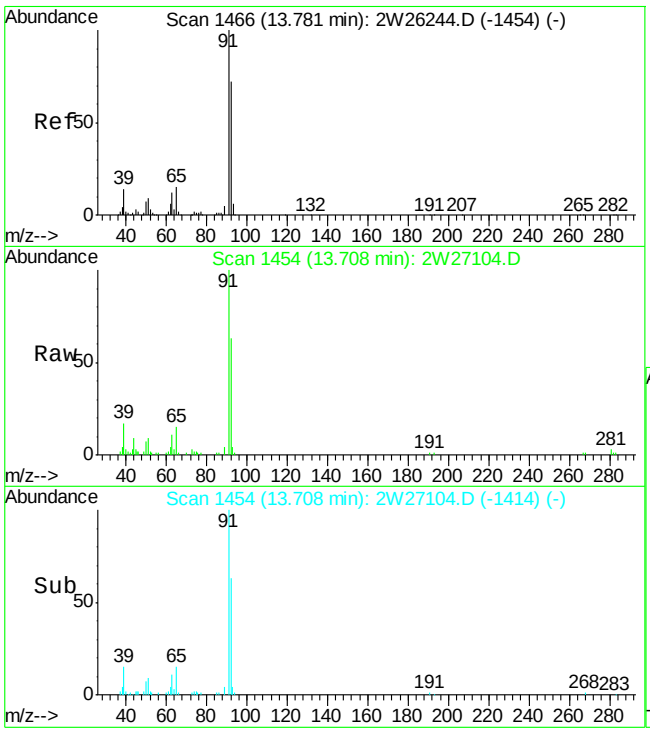


#49
TRICHLOROETHYLENE
Concen: 0.86 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 95 Resp: 49320

Ion	Ratio	Lower	Upper
95	100		
132	84.6	72.7	112.7
130	84.9	75.6	115.6
97	64.9	45.8	85.8

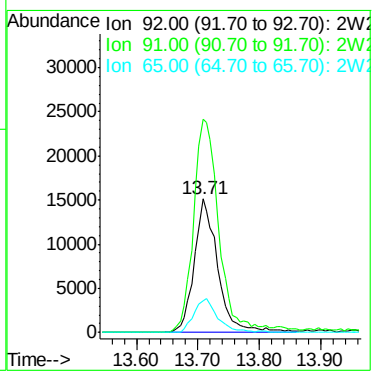


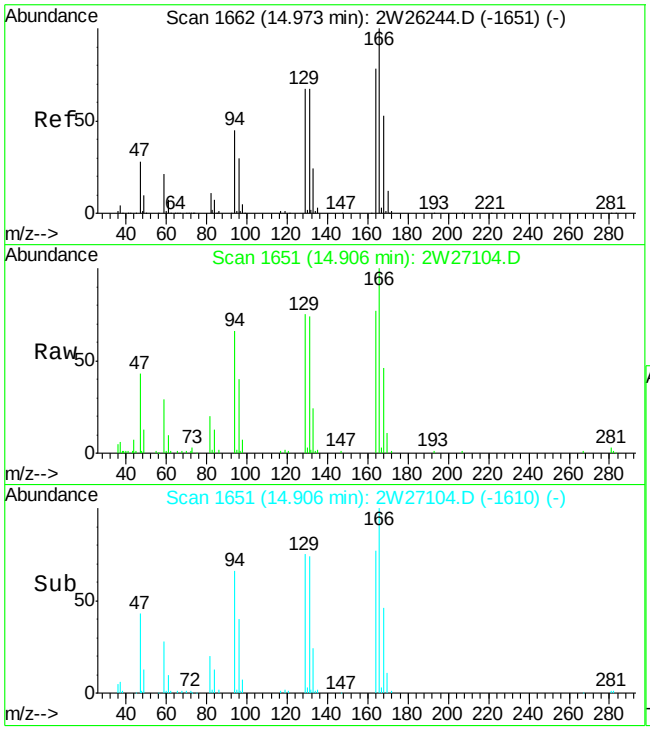


#59
TOLUENE
Concen: 0.45 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 92 Resp: 40598

Ion	Ratio	Lower	Upper
92	100		
91	173.1	136.6	176.6
65	25.0	0.9	40.9

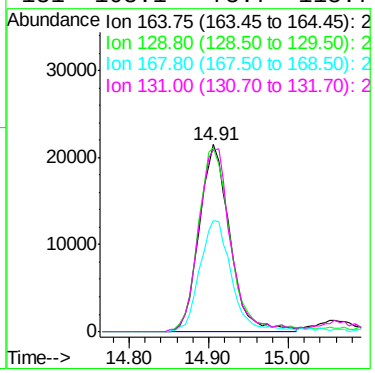


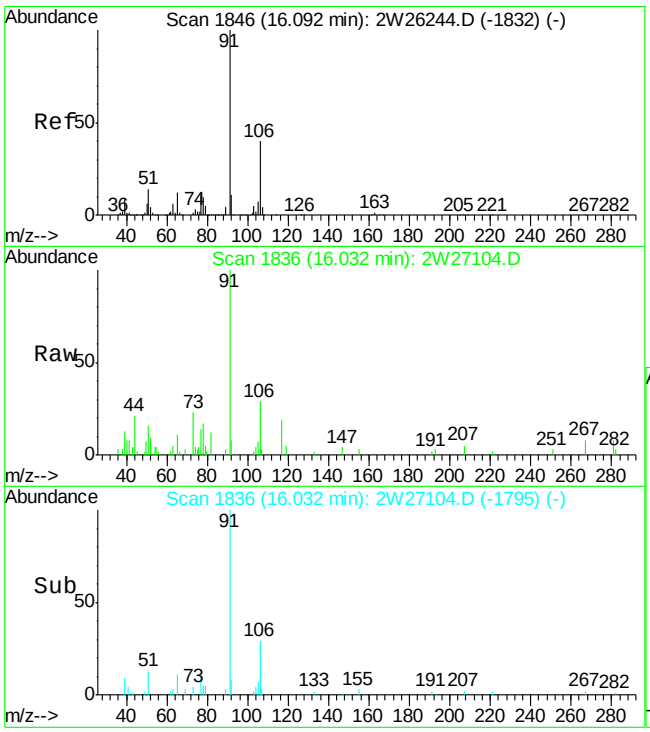


#64
TETRACHLOROETHYLENE
Concen: 1.03 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion:164 Resp: 57381

Ion	Ratio	Lower	Upper
164	100		
129	105.5	76.6	116.6
168	61.4	44.5	84.5
131	103.1	73.7	113.7

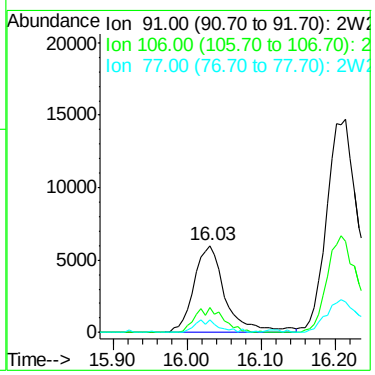


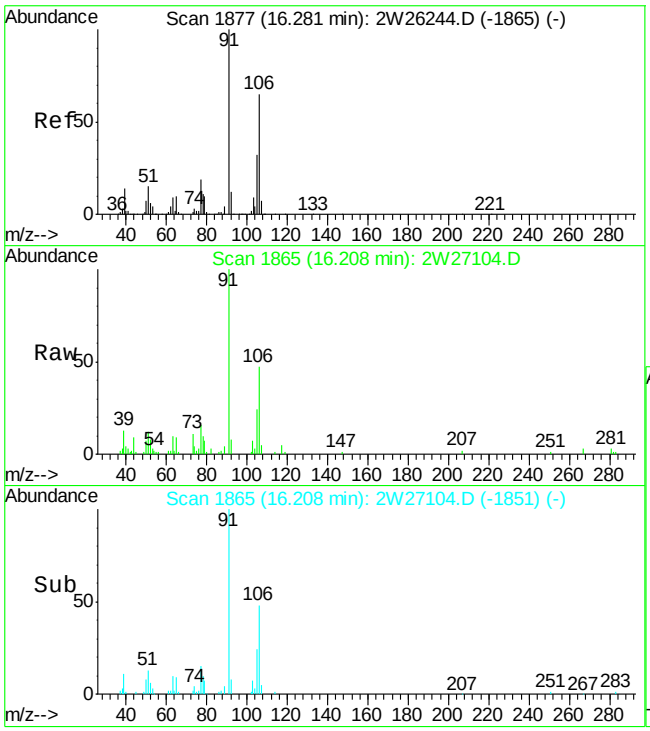


#70
ETHYLBENZENE
Concen: 0.10 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. -0.00 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion: 91 Resp: 17502

Ion	Ratio	Lower	Upper
91	100		
106	25.4	13.5	53.5
77	11.2	0.0	29.7

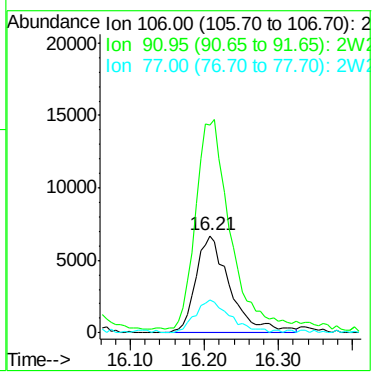




#71
m,p-XYLENE
Concen: 0.31 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27104.D
Acq: 5 May 2010 4:50 am

Tgt Ion:106 Resp: 21226

Ion	Ratio	Lower	Upper
106	100		
91	213.9	138.6	207.8#
77	33.5	23.5	35.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27105.D Vial: 3
Acq On : 5 May 2010 5:33 am Operator: yunxiac
Sample : ja45062-22 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:11:41 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

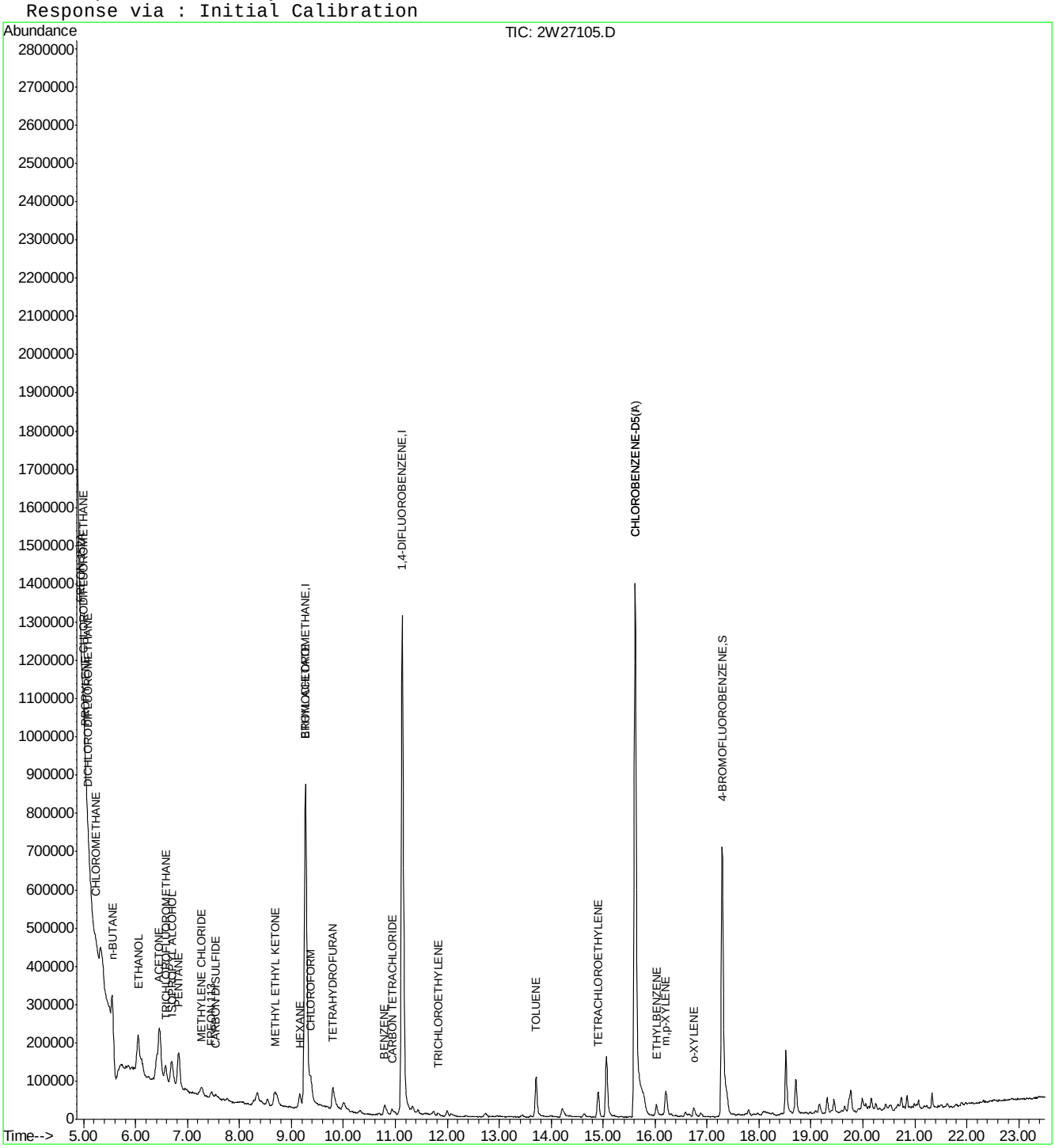
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	305630	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1516395	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	857571	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	857571	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	425178	4.77	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	113159	0.80	PPBV		98
4) FREON 152A	4.96	65	47065	1.01	PPBV	#	48
5) CHLORODIFLUOROMETHANE	5.00	67	91842	5.73	PPBV		99
6) PROPYLENE	5.04	41	28749	0.47	PPBV	#	59
9) CHLOROMETHANE	5.25	52	15019	0.65	PPBV		92
12) n-BUTANE	5.57	43	162569	1.47	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.57	101	90509	0.76	PPBV		97
18) ISOPROPYL ALCOHOL	6.70	45	182082	2.10	PPBV		87
19) ACETONE	6.46	58	110992	4.65	PPBV	#	86
20) PENTANE	6.83	42	71527	1.14	PPBV		86
24) CARBON DISULFIDE	7.53	76	27213	0.19	PPBV	#	78
25) ETHANOL	6.05	45	277132	11.49	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	9571	0.22	PPBV		91
29) FREON 113	7.46	151	7450	0.13	PPBV		94
33) TETRAHYDROFURAN	9.81	72	23266	0.98	PPBV	#	76
34) HEXANE	9.16	57	21969	0.27	PPBV		92
37) METHYL ETHYL KETONE	8.68	72	18042	0.82	PPBV	#	80
39) ETHYL ACETATE	9.28	61	44055	3.17	PPBV	#	66
40) CHLOROFORM	9.37	83	61579	0.62	PPBV		91
43) CARBON TETRACHLORIDE	10.94	117	13340	0.13	PPBV		99
46) BENZENE	10.79	78	27249	0.17	PPBV		96
49) TRICHLOROETHYLENE	11.82	95	3247	0.05	PPBV		90
59) TOLUENE	13.71	92	66720	0.70	PPBV		86
64) TETRACHLOROETHYLENE	14.91	164	19730	0.33	PPBV		96
70) ETHYLBENZENE	16.03	91	29339	0.15	PPBV		89
71) m,p-XYLENE	16.21	106	32737	0.45	PPBV	#	60
72) o-XYLENE	16.75	106	9317	0.12	PPBV	#	71

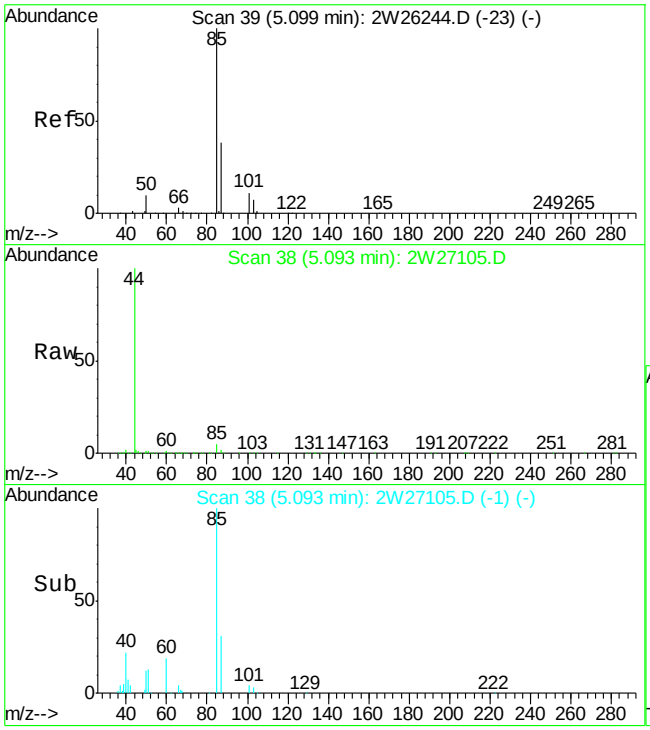
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27105.D Vial: 3
Acq On : 5 May 2010 5:33 am Operator: yunxiac
Sample : ja45062-22 Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:54 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

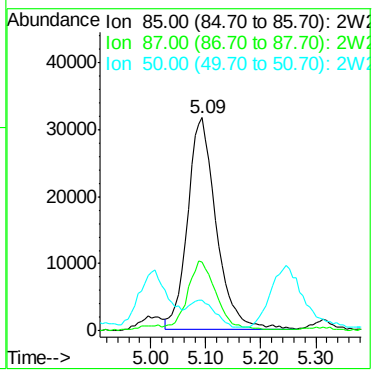


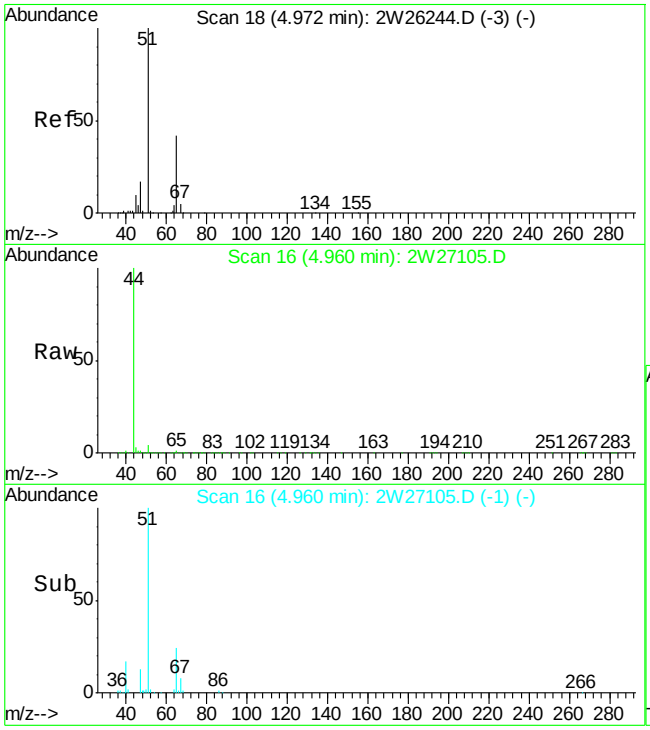


#3
DICHLORODIFLUOROMETHANE
Concen: 0.80 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 85 Resp: 113159

Ion	Ratio	Lower	Upper
85	100		
87	33.1	14.2	54.2
50	11.3	0.0	31.0

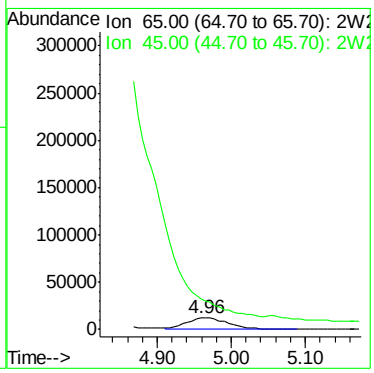


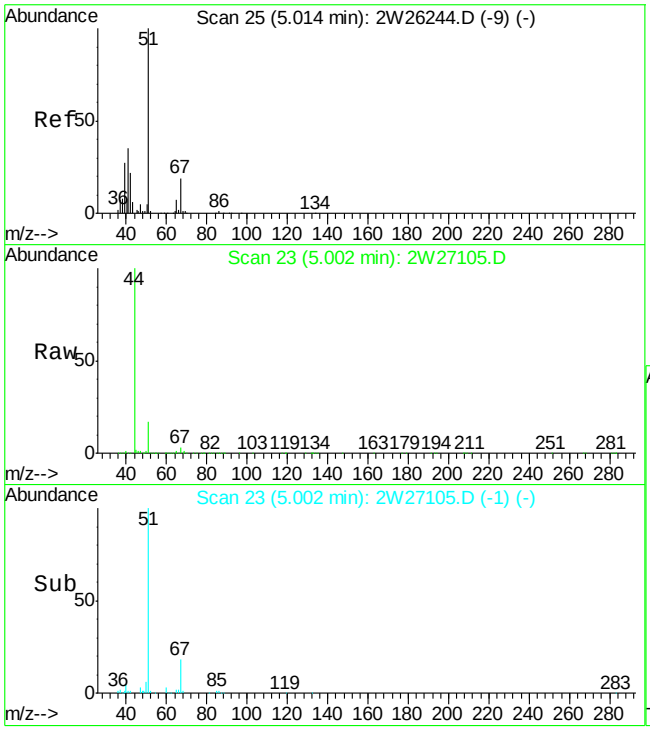


#4
FREON 152A
Concen: 1.01 PPBV
RT: 4.96 min Scan# 16
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 65 Resp: 47065

Ion	Ratio	Lower	Upper
65	100		
45	0.0	6.6	46.6#

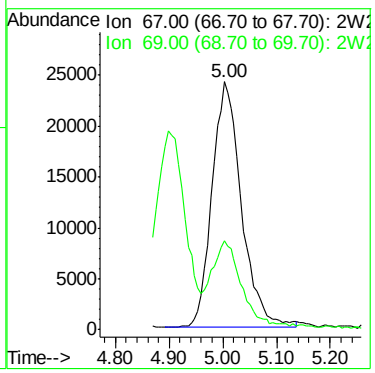


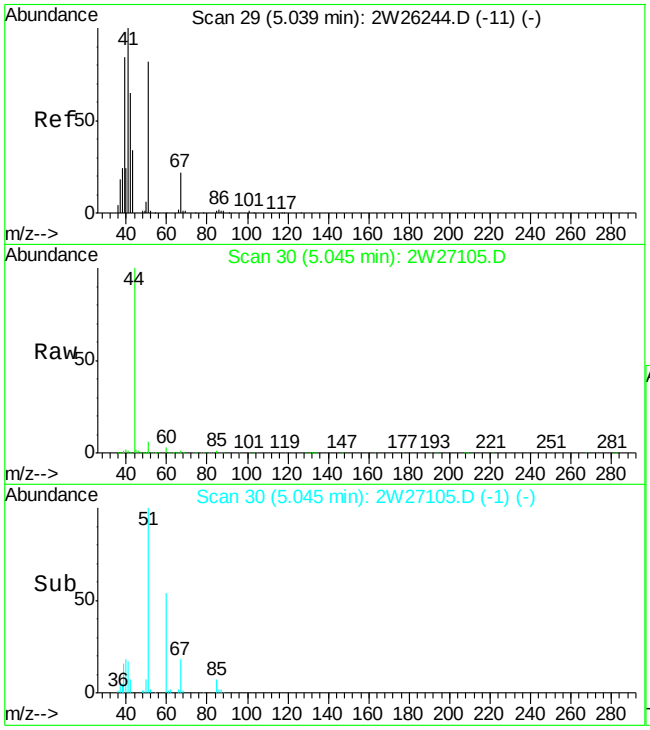


#5
CHLORODIFLUOROMETHANE
Concen: 5.73 PPBV
RT: 5.00 min Scan# 23
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 67 Resp: 91842

Ion	Ratio	Lower	Upper
67	100		
69	34.3	13.6	53.6

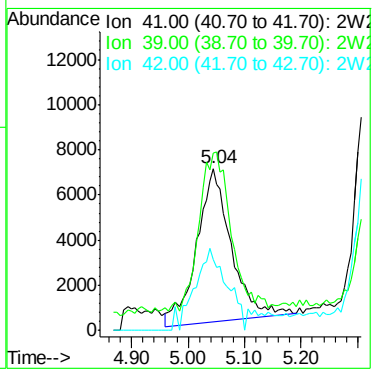


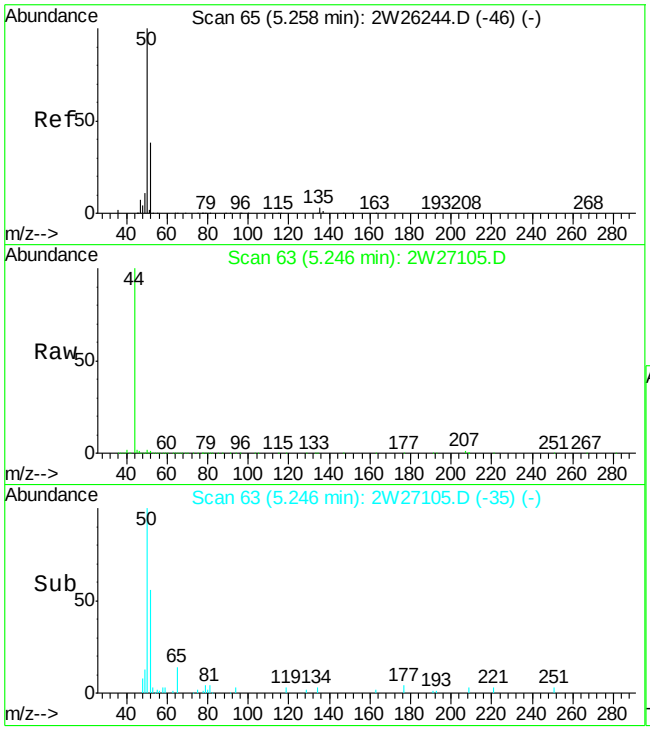


#6
PROPYLENE
Concen: 0.47 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 41 Resp: 28749

Ion	Ratio	Lower	Upper
41	100		
39	109.9	47.9	87.9#
42	44.0	47.3	87.3#

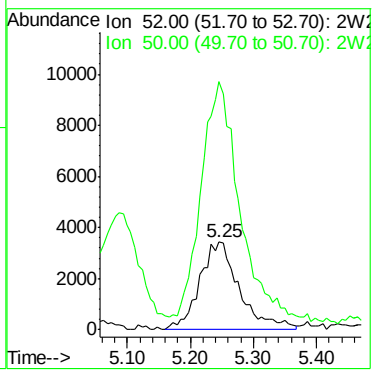


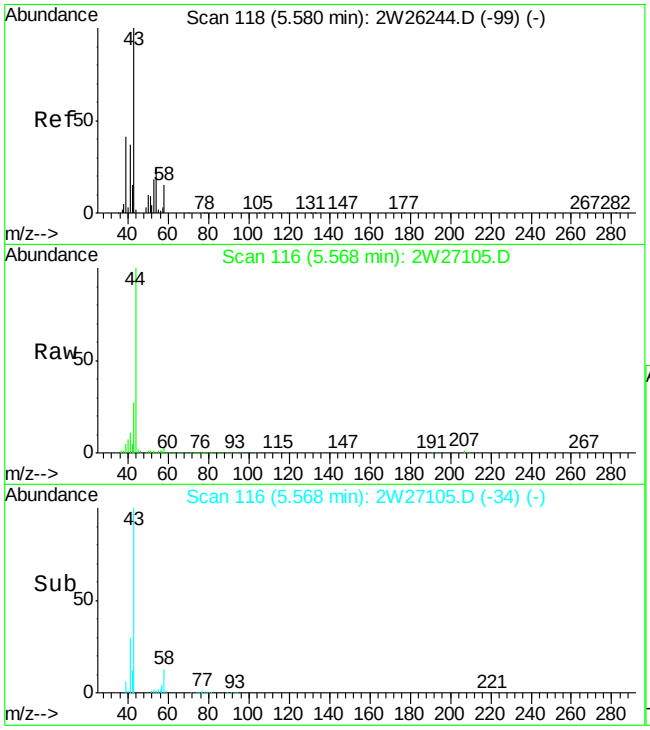


#9
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 52 Resp: 15019

Ion	Ratio	Lower	Upper
52	100		
50	273.4	268.7	308.7

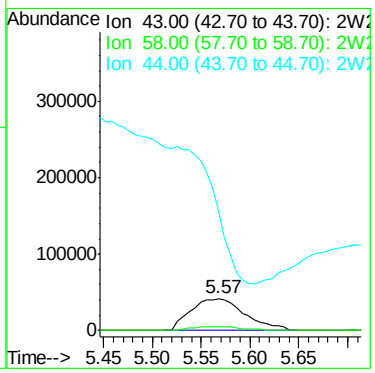


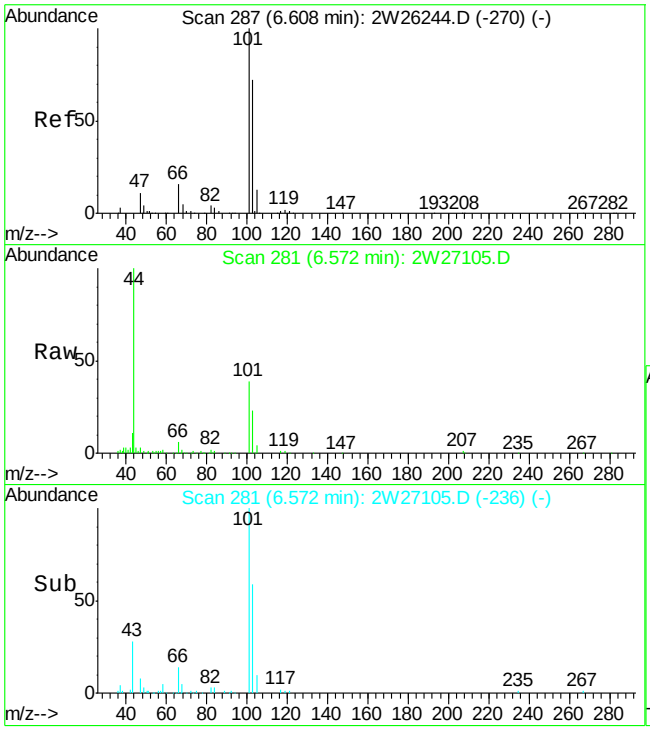


#12
n-BUTANE
Concen: 1.47 PPBV
RT: 5.57 min Scan# 116
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 43 Resp: 162569

Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.6	15.8
44	0.0	2.3	3.5#

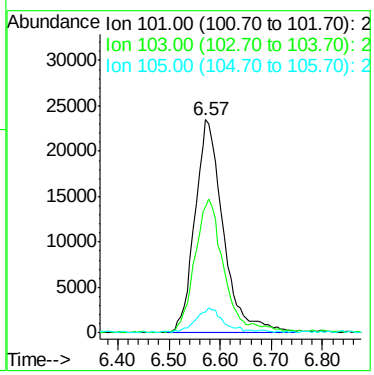


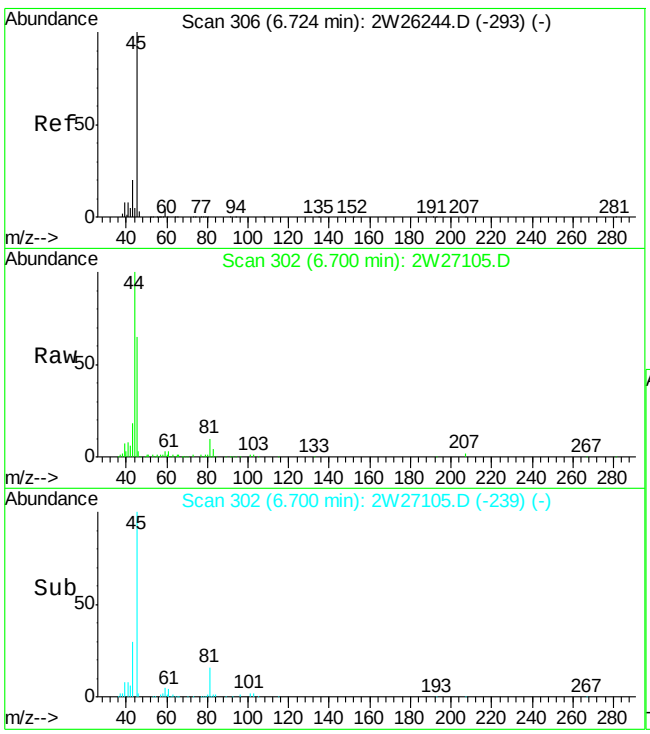


#17
TRICHLOROFLUOROMETHANE
Concen: 0.76 PPBV
RT: 6.57 min Scan# 281
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:101 Resp: 90509

Ion	Ratio	Lower	Upper
101	100		
103	64.4	46.7	86.7
105	12.0	0.0	31.2

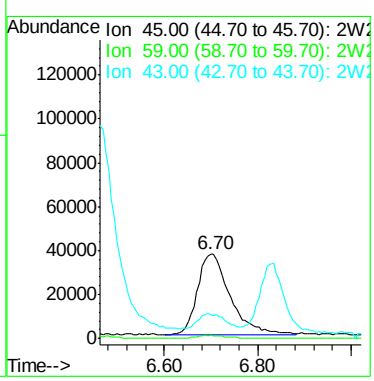


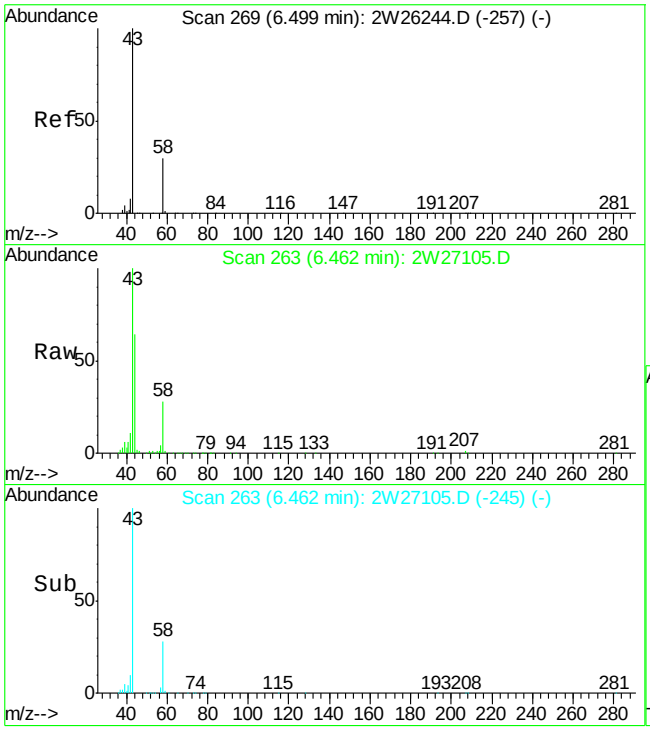


#18
ISOPROPYL ALCOHOL
Concen: 2.10 PPBV
RT: 6.70 min Scan# 302
Delta R.T. 0.03 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 45 Resp: 182082

Ion	Ratio	Lower	Upper
45	100		
59	4.4	0.0	24.1
43	27.6	0.2	40.2

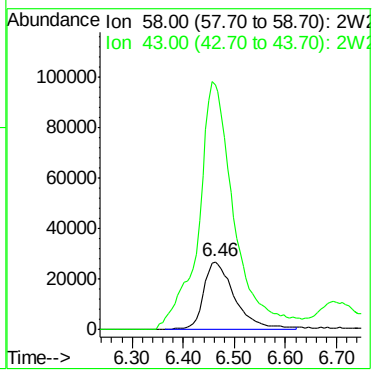


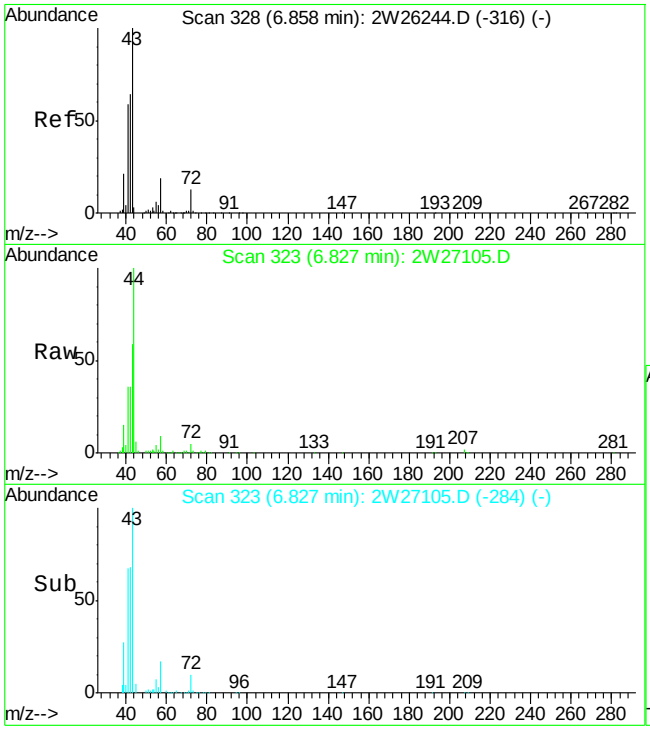


#19
ACETONE
Concen: 4.65 PPBV
RT: 6.46 min Scan# 263
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 58 Resp: 110992

Ion	Ratio	Lower	Upper
58	100		
43	365.1	315.8	355.8#

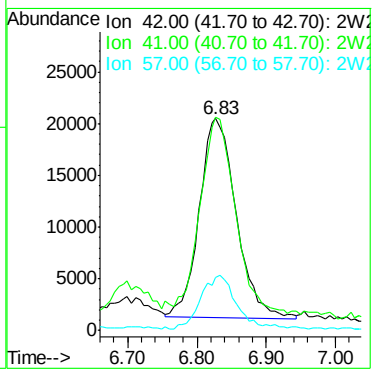


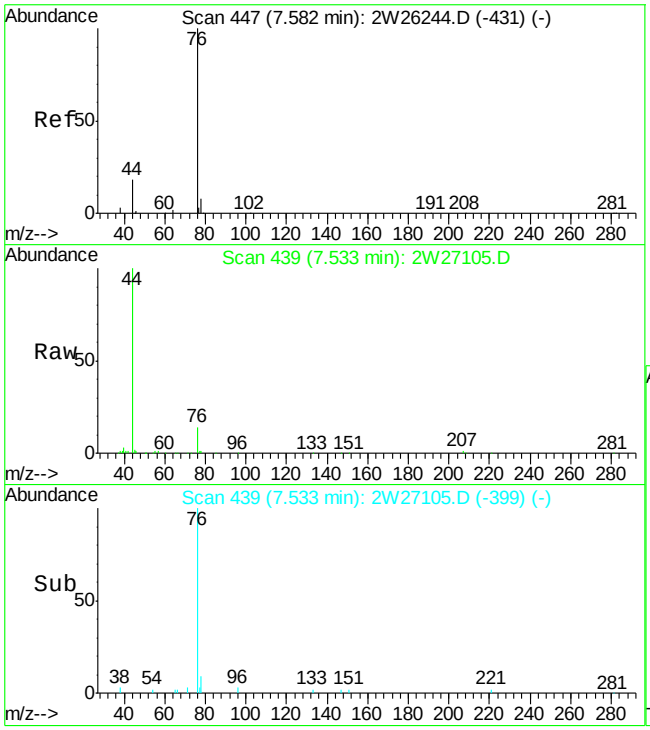


#20
PENTANE
Concen: 1.14 PPBV
RT: 6.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 42 Resp: 71527

Ion	Ratio	Lower	Upper
42	100		
41	104.7	67.5	107.5
57	25.8	6.1	46.1

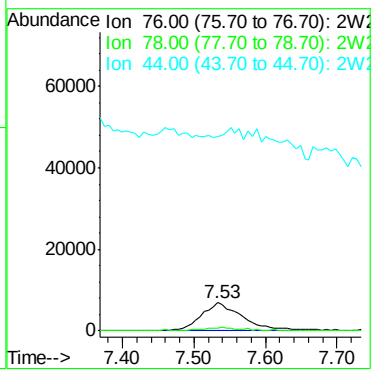


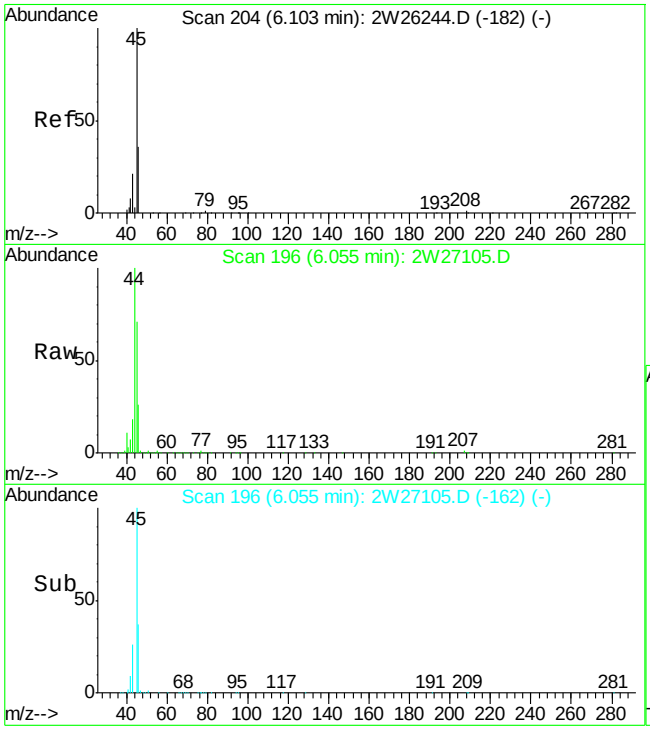


#24
CARBON DISULFIDE
Concen: 0.19 PPBV
RT: 7.53 min Scan# 439
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 76 Resp: 27213

Ion	Ratio	Lower	Upper
76	100		
78	10.9	0.0	29.2
44	0.0	0.0	33.9

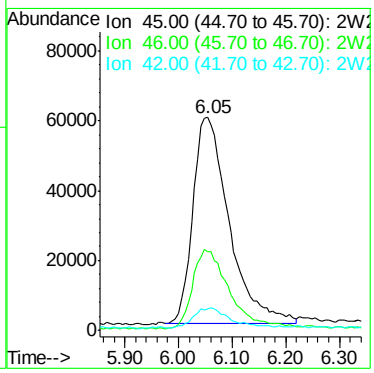


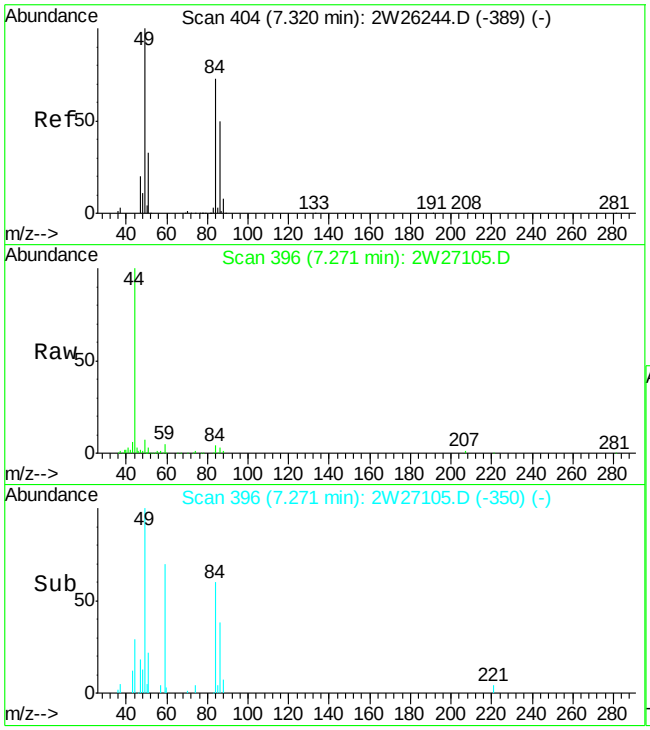


#25
ETHANOL
Concen: 11.49 PPBV
RT: 6.05 min Scan# 196
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 45 Resp: 277132

Ion	Ratio	Lower	Upper
45	100		
46	38.8	9.3	69.3
42	9.2	0.0	37.7

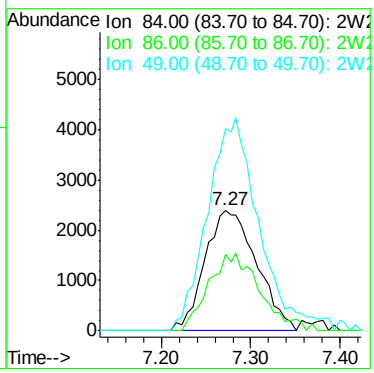


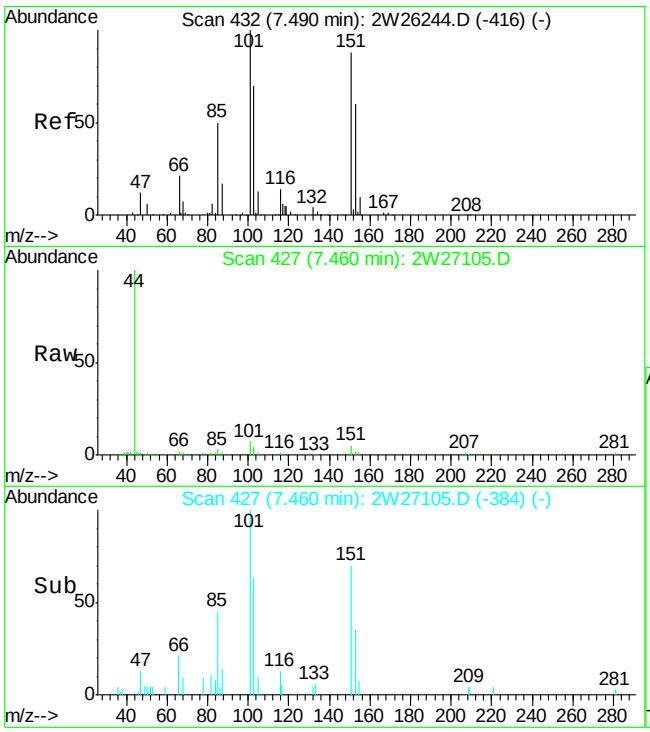


#27
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 7.27 min Scan# 396
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 84 Resp: 9571

Ion	Ratio	Lower	Upper
84	100		
86	63.7	44.9	84.9
49	177.0	0.0	360.7

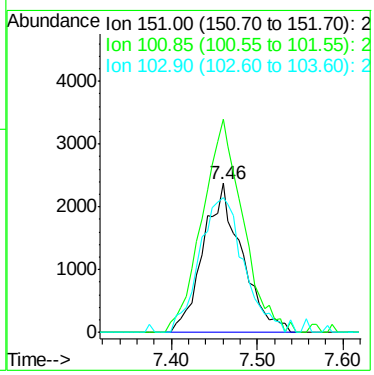


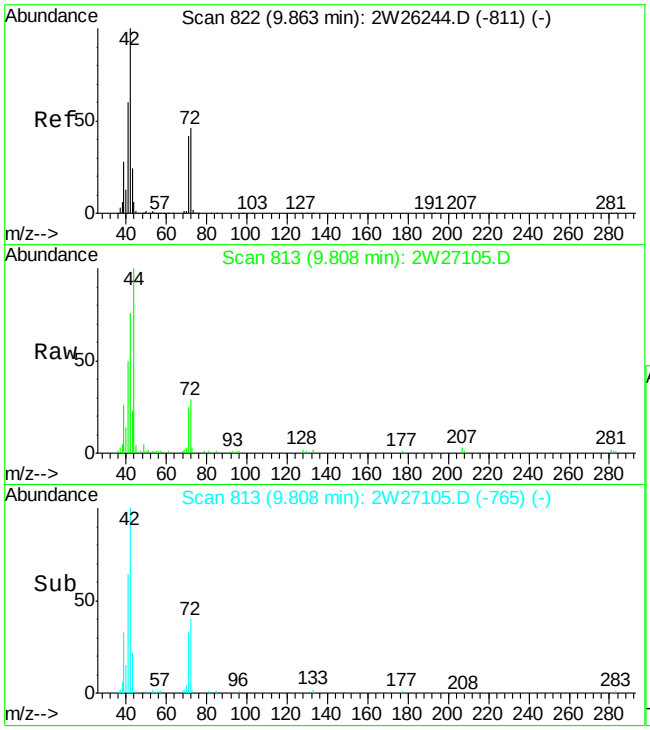


#29
FREON 113
Concen: 0.13 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:151 Resp: 7450

Ion	Ratio	Lower	Upper
151	100		
101	150.0	124.8	164.8
103	102.8	75.2	115.2

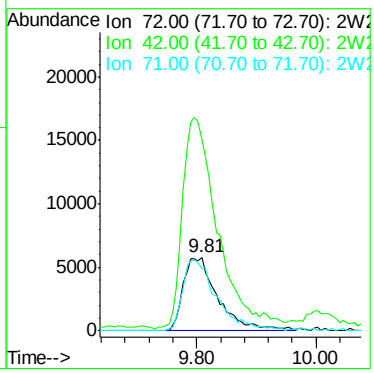


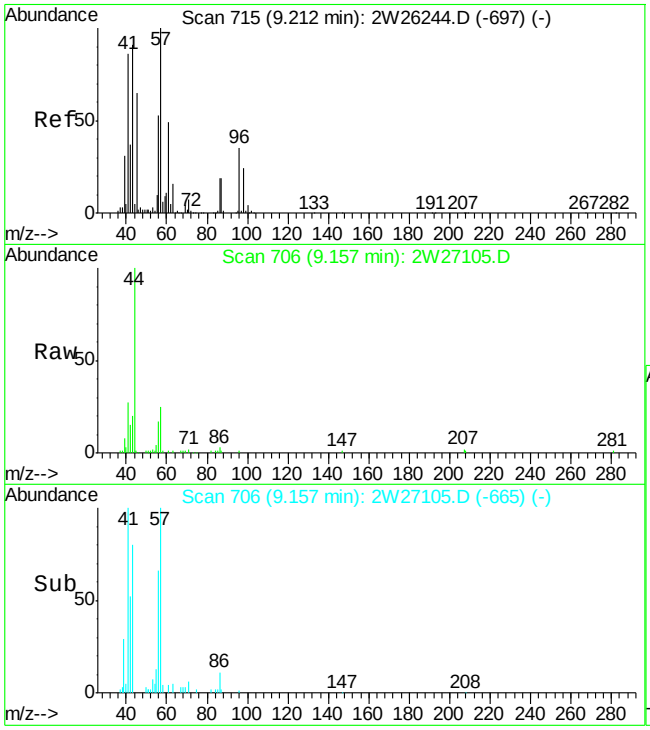


#33
TETRAHYDROFURAN
Concen: 0.98 PPBV
RT: 9.81 min Scan# 813
Delta R.T. 0.04 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 72 Resp: 23266

Ion	Ratio	Lower	Upper
72	100		
42	294.7	218.5	258.5#
71	96.0	74.3	114.3

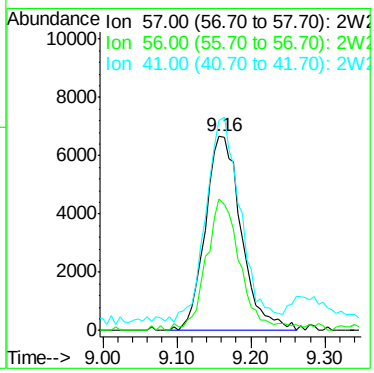


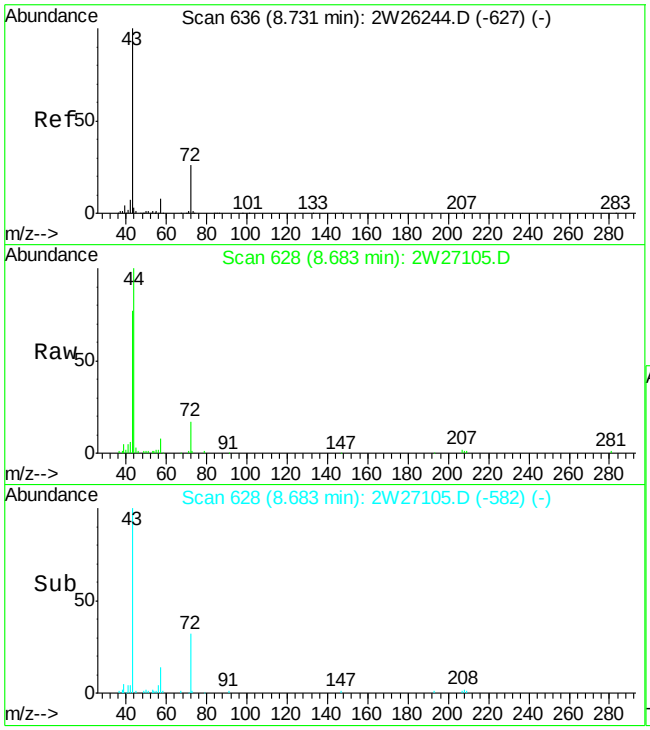


#34
HEXANE
Concen: 0.27 PPBV
RT: 9.16 min Scan# 706
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 57 Resp: 21969

Ion	Ratio	Lower	Upper
57	100		
56	64.7	32.4	72.4
41	100.3	77.6	117.6

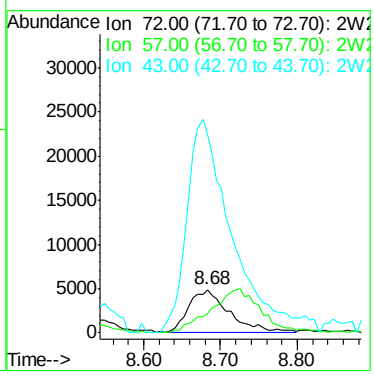


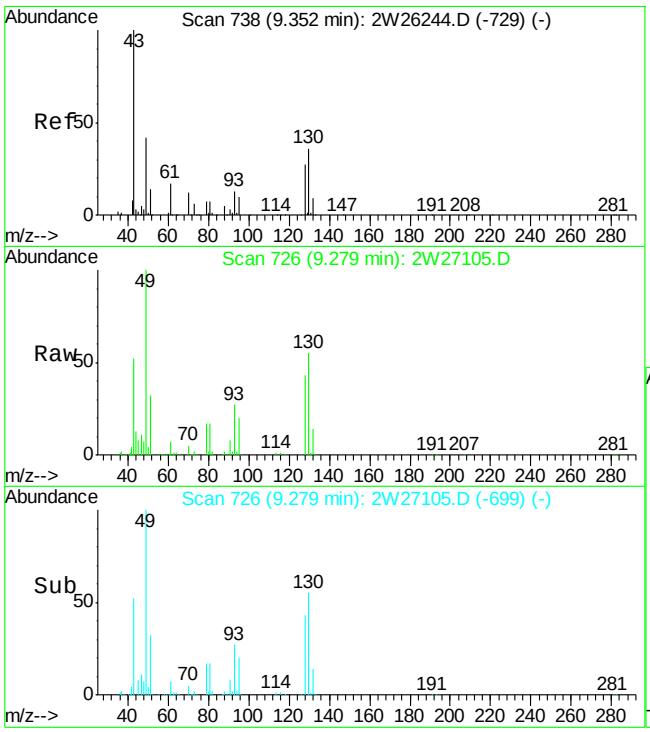


#37
METHYL ETHYL KETONE
Concen: 0.82 PPBV
RT: 8.68 min Scan# 628
Delta R.T. 0.03 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 72 Resp: 18042

Ion	Ratio	Lower	Upper
72	100		
57	45.5	13.8	53.8
43	458.2	389.3	429.3#

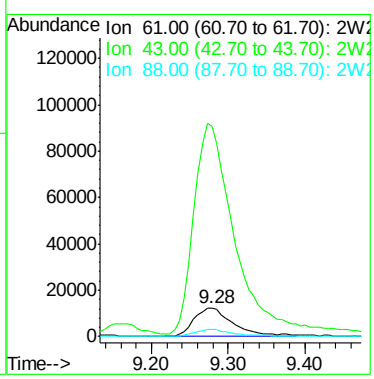


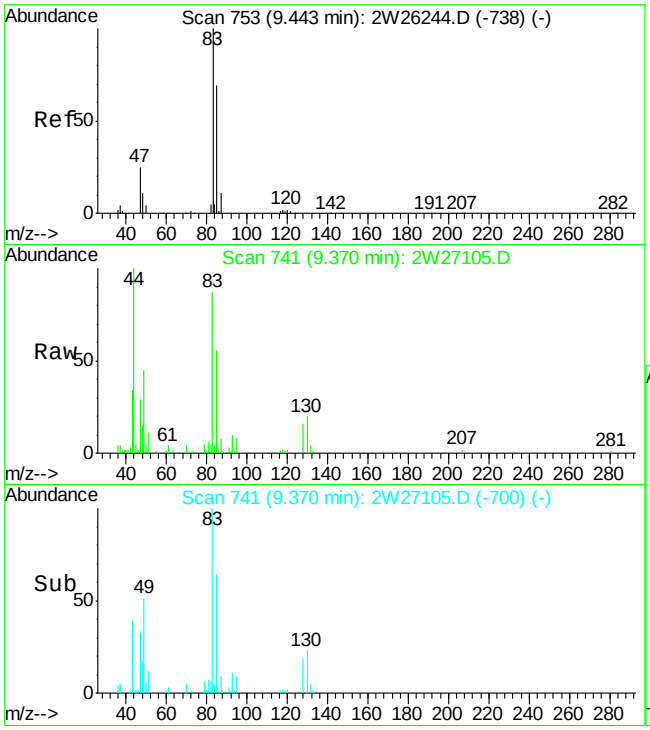


#39
ETHYL ACETATE
Concen: 3.17 PPBV
RT: 9.28 min Scan# 726
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 61 Resp: 44055

Ion	Ratio	Lower	Upper
61	100		
43	738.8	606.5	646.5#
88	24.8	4.8	44.8

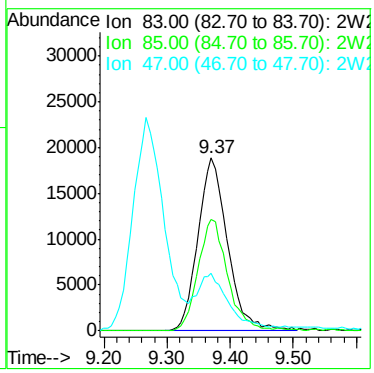


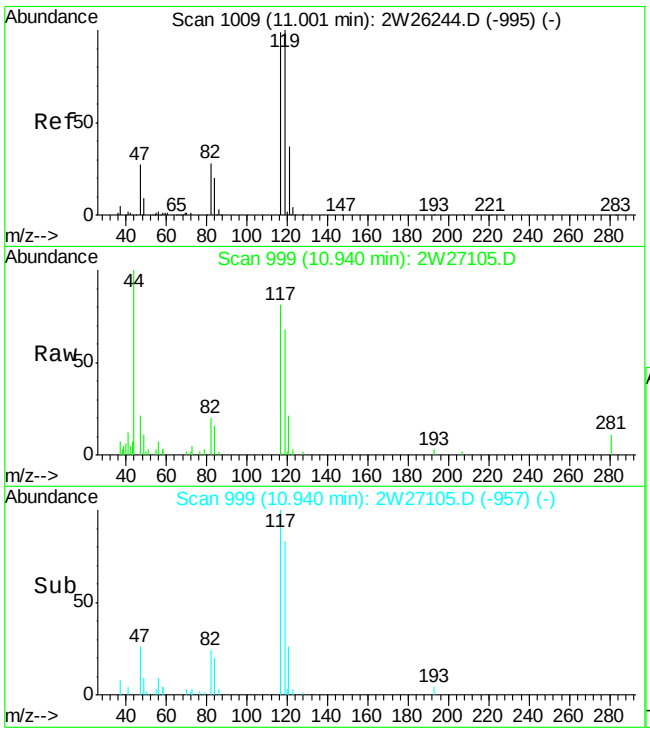


#40
CHLOROFORM
Concen: 0.62 PPBV
RT: 9.37 min Scan# 741
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 83 Resp: 61579

Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.8	86.8
47	35.6	4.9	44.9

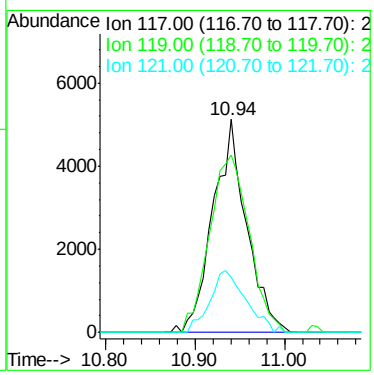


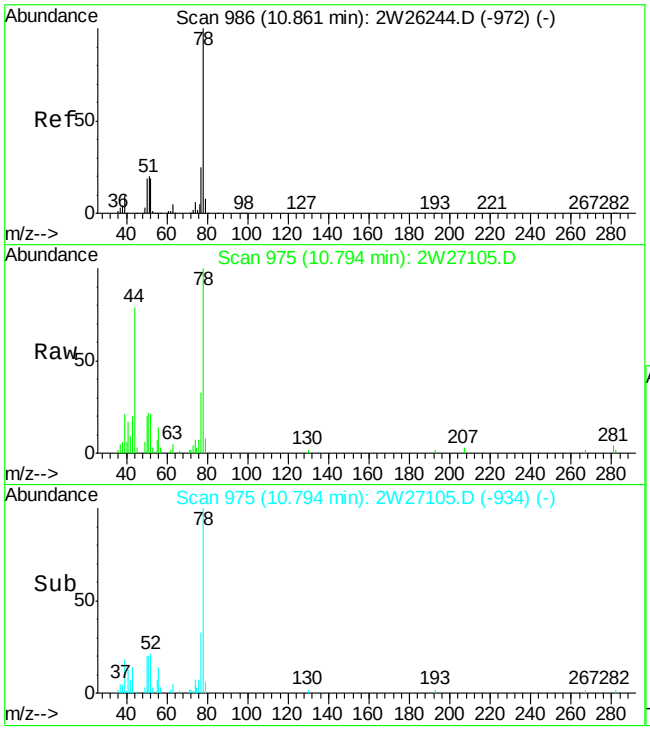


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:117 Resp: 13340

Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.0	118.0
121	31.2	12.8	52.8

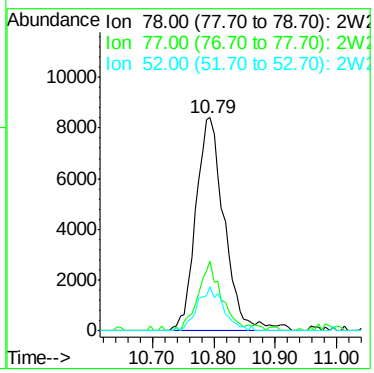


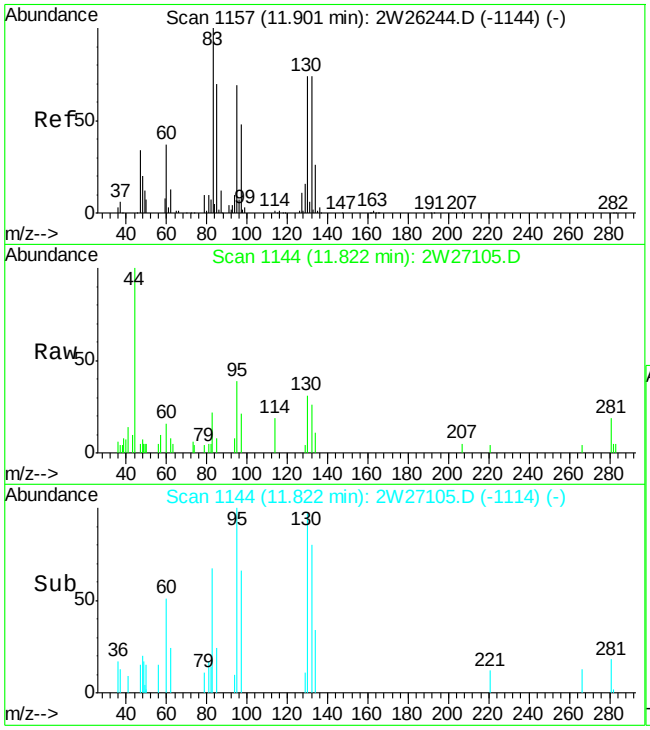


#46
BENZENE
Concen: 0.17 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 78 Resp: 27249

Ion	Ratio	Lower	Upper
78	100		
77	27.7	4.9	44.9
52	18.7	0.0	37.9

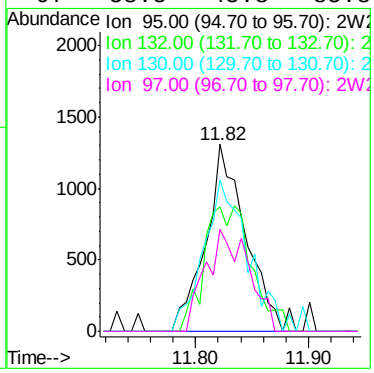


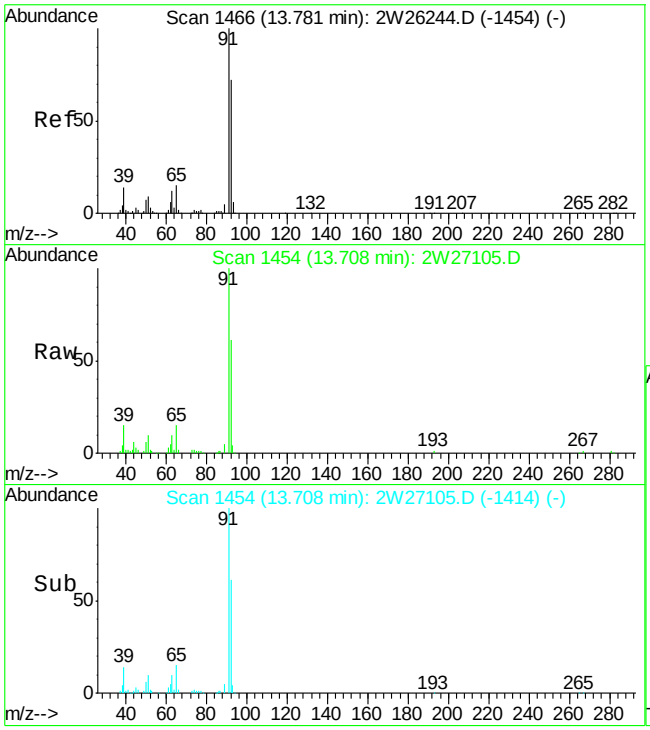


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 95 Resp: 3247

Ion	Ratio	Lower	Upper
95	100		
132	79.2	72.7	112.7
130	88.5	75.6	115.6
97	58.5	45.8	85.8

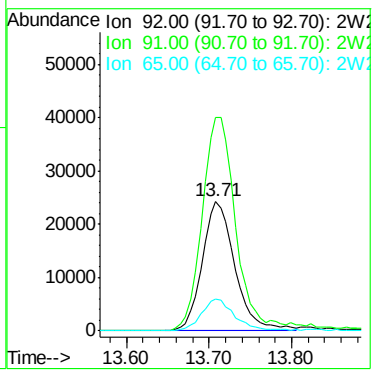


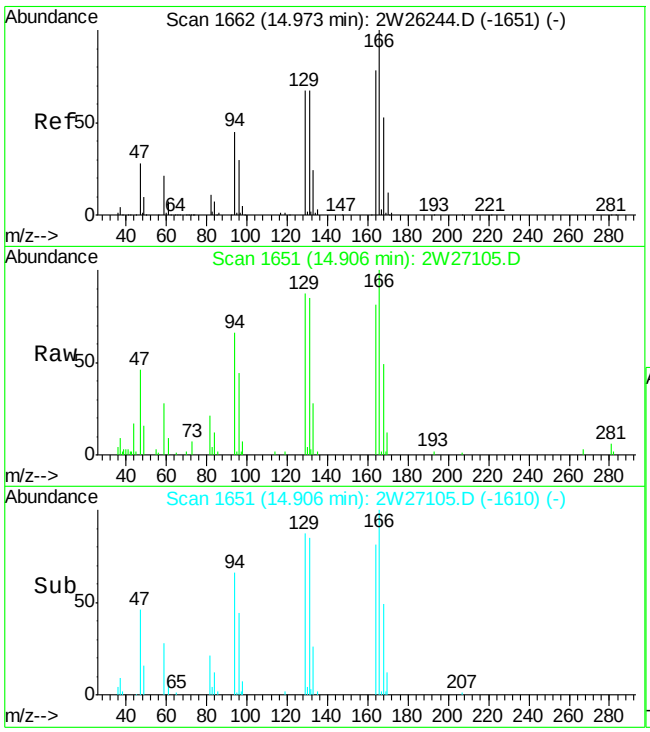


#59
TOLUENE
Concen: 0.70 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 92 Resp: 66720

Ion	Ratio	Lower	Upper
92	100		
91	176.2	136.6	176.6
65	25.3	0.9	40.9

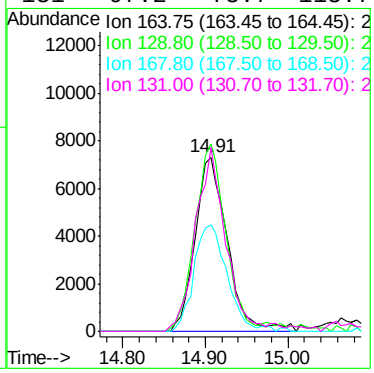


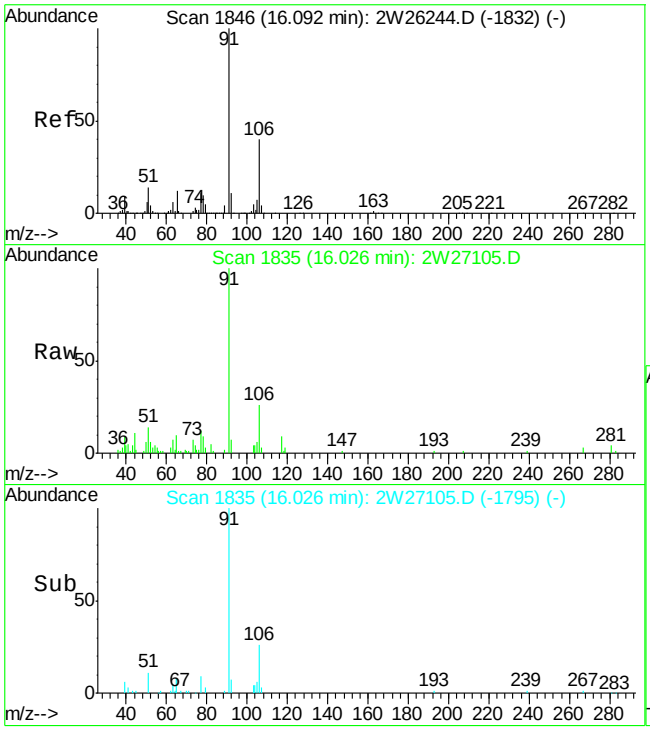


#64
TETRACHLOROETHYLENE
Concen: 0.33 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:164 Resp: 19730

Ion	Ratio	Lower	Upper
164	100		
129	102.6	76.6	116.6
168	63.2	44.5	84.5
131	97.2	73.7	113.7

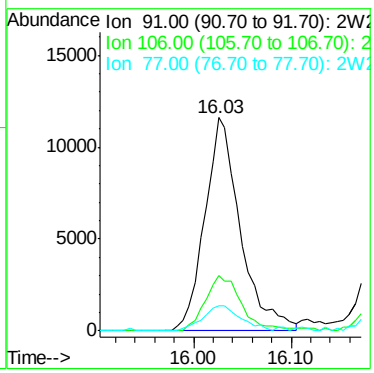


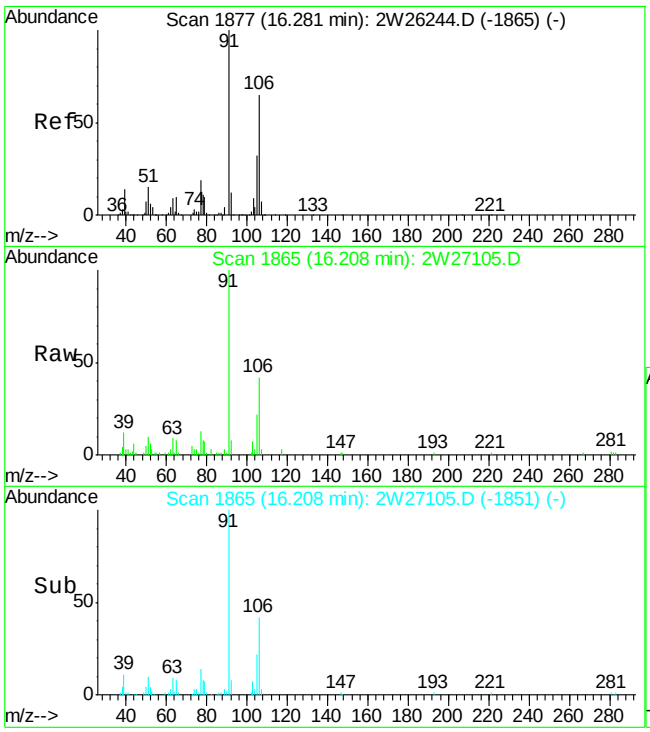


#70
ETHYLBENZENE
Concen: 0.15 PPBV
RT: 16.03 min Scan# 1835
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion: 91 Resp: 29339

Ion	Ratio	Lower	Upper
91	100		
106	26.9	13.5	53.5
77	12.4	0.0	29.7

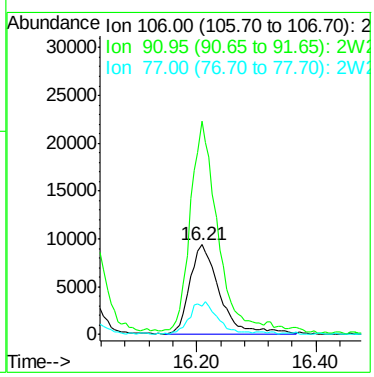


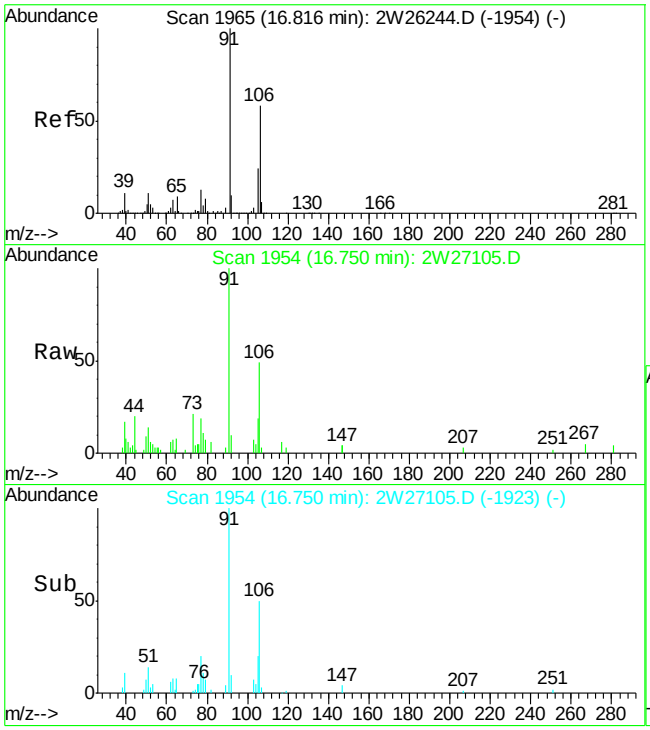


#71
m,p-XYLENE
Concen: 0.45 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:106 Resp: 32737

Ion	Ratio	Lower	Upper
106	100		
91	236.9	138.6	207.8#
77	31.8	23.5	35.3

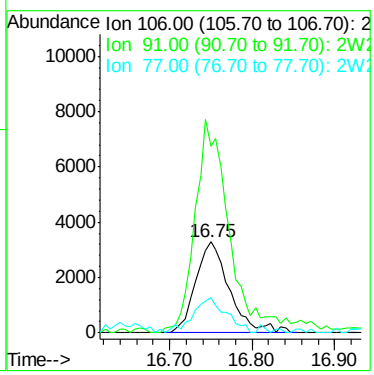




#72
o-XYLENE
Concen: 0.12 PPBV
RT: 16.75 min Scan# 1954
Delta R.T. 0.00 min
Lab File: 2W27105.D
Acq: 5 May 2010 5:33 am

Tgt Ion:106 Resp: 9317

Ion	Ratio	Lower	Upper
106	100		
91	247.7	181.1	221.1#
77	37.9	7.9	47.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27123.D Vial: 8
Acq On : 5 May 2010 10:42 pm Operator: yunxiac
Sample : ja45062-23 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:06:14 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

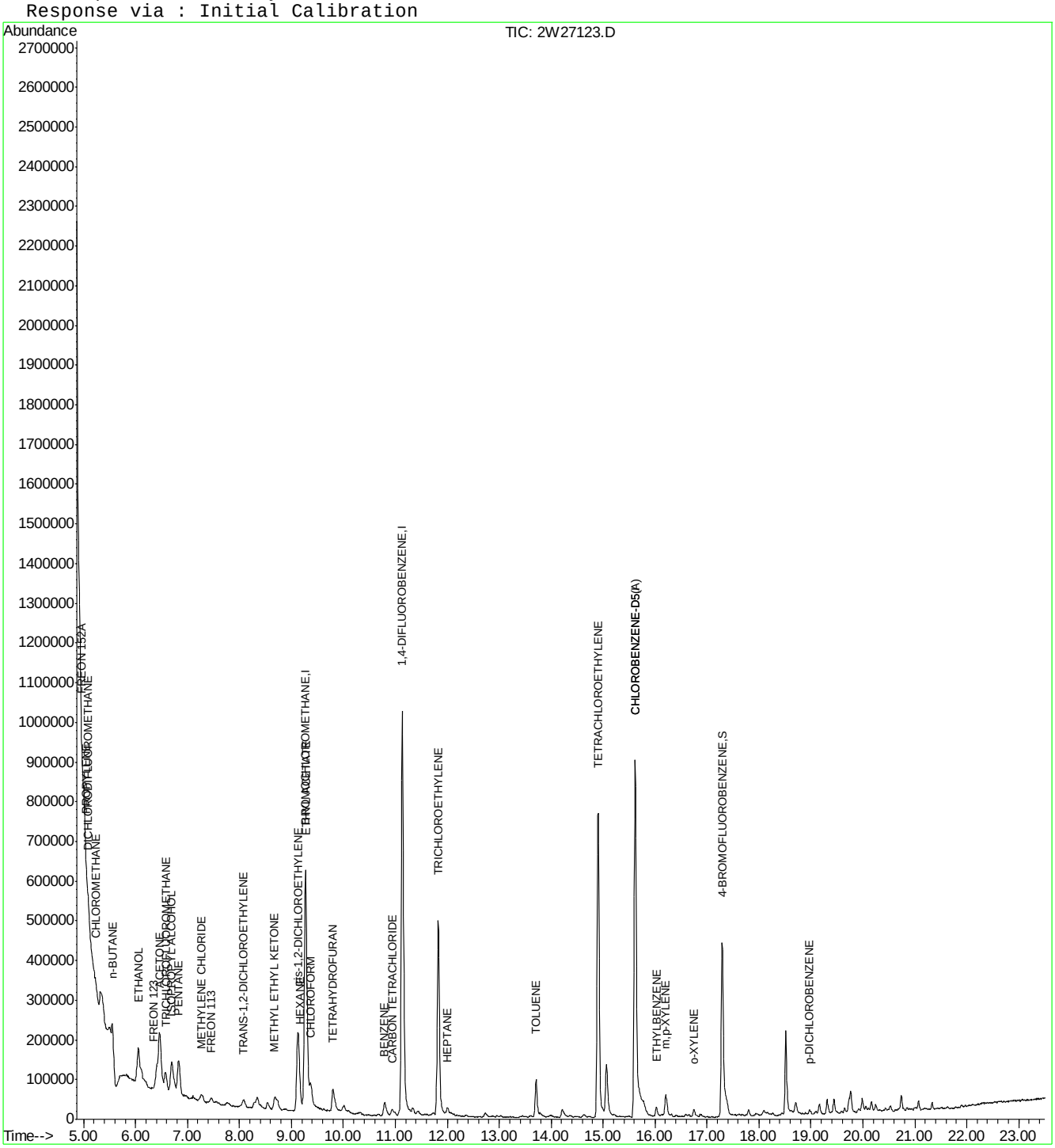
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	235756	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1123607	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	534768	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	534768	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	257024	4.63	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	95331	0.88	PPBV		98
4) FREON 152A	4.97	65	34661	0.97	PPBV	#	48
6) PROPYLENE	5.05	41	24814	0.53	PPBV	#	59
9) CHLOROMETHANE	5.24	52	10953	0.61	PPBV	#	82
12) n-BUTANE	5.56	43	129849	1.52	PPBV	#	98
15) FREON 123	6.35	83	9372	0.11	PPBV	#	67
17) TRICHLOROFLUOROMETHANE	6.58	101	85200	0.93	PPBV		98
18) ISOPROPYL ALCOHOL	6.70	45	226968	3.39	PPBV		85
19) ACETONE	6.47	58	102316	5.55	PPBV	#	48
20) PENTANE	6.83	42	63196	1.31	PPBV		85
25) ETHANOL	6.05	45	246418	13.25	PPBV		97
27) METHYLENE CHLORIDE	7.28	84	7314	0.22	PPBV	#	67
29) FREON 113	7.46	151	5739	0.13	PPBV		97
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	10654	0.27	PPBV	#	85
33) TETRAHYDROFURAN	9.80	72	20258	1.11	PPBV	#	64
34) HEXANE	9.16	57	19164	0.30	PPBV		93
37) METHYL ETHYL KETONE	8.67	72	14670	0.87	PPBV	#	44
38) cis-1,2-DICHLOROETHYLENE	9.12	96	133754	3.36	PPBV	#	82
39) ETHYL ACETATE	9.28	61	13456	1.26	PPBV	#	58
40) CHLOROFORM	9.38	83	54546	0.71	PPBV		89
43) CARBON TETRACHLORIDE	10.94	117	11821	0.15	PPBV		94
46) BENZENE	10.79	78	37704	0.32	PPBV		97
49) TRICHLOROETHYLENE	11.83	95	264782	5.85	PPBV		92
55) HEPTANE	12.00	43	10567	0.15	PPBV	#	78
59) TOLUENE	13.71	92	56456	0.80	PPBV	#	82
64) TETRACHLOROETHYLENE	14.91	164	234085	6.20	PPBV		93
70) ETHYLBENZENE	16.03	91	22264	0.19	PPBV		86
71) m,p-XYLENE	16.20	106	25188	0.55	PPBV	#	69
72) o-XYLENE	16.76	106	6282	0.13	PPBV	#	54
87) p-DICHLOROBENZENE	18.98	146	4902	0.15	PPBV		87

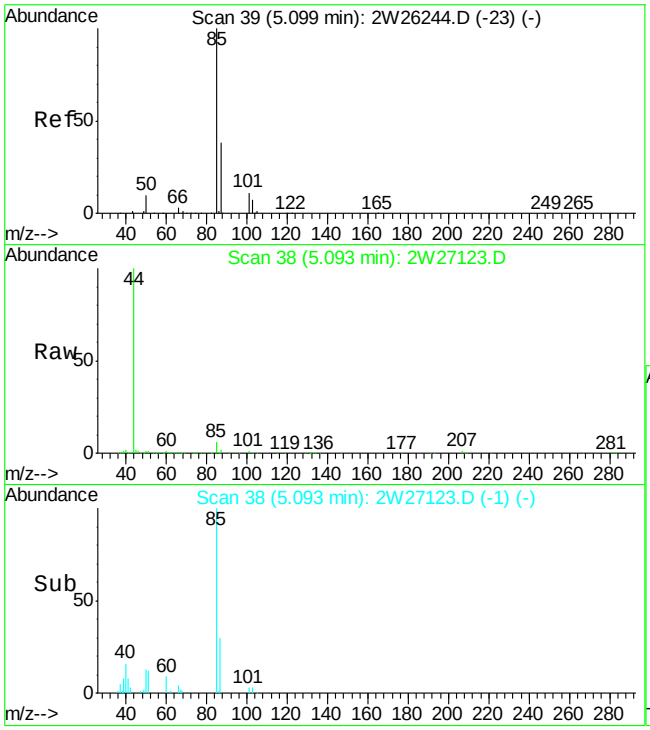
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27123.D Vial: 8
Acq On : 5 May 2010 10:42 pm Operator: yunxiac
Sample : ja45062-23 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:42 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

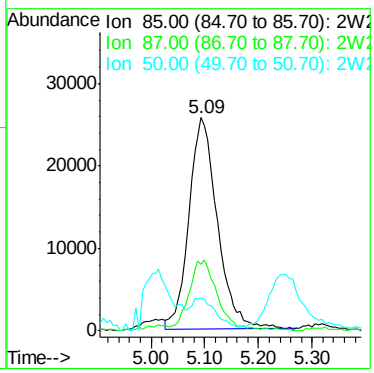


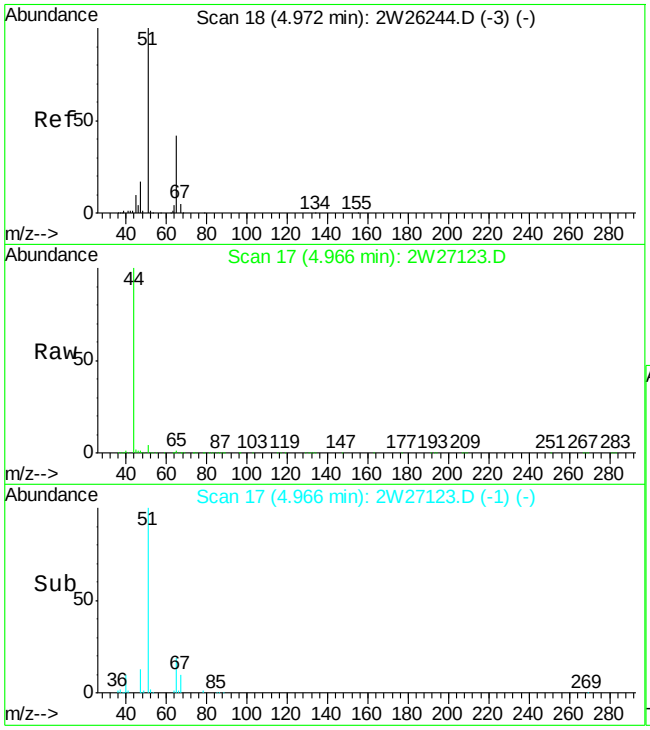


#3
DICHLORODIFLUOROMETHANE
Concen: 0.88 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 85 Resp: 95331

Ion	Ratio	Lower	Upper
85	100		
87	32.6	14.2	54.2
50	10.5	0.0	31.0

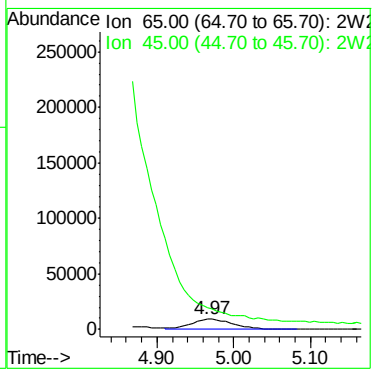




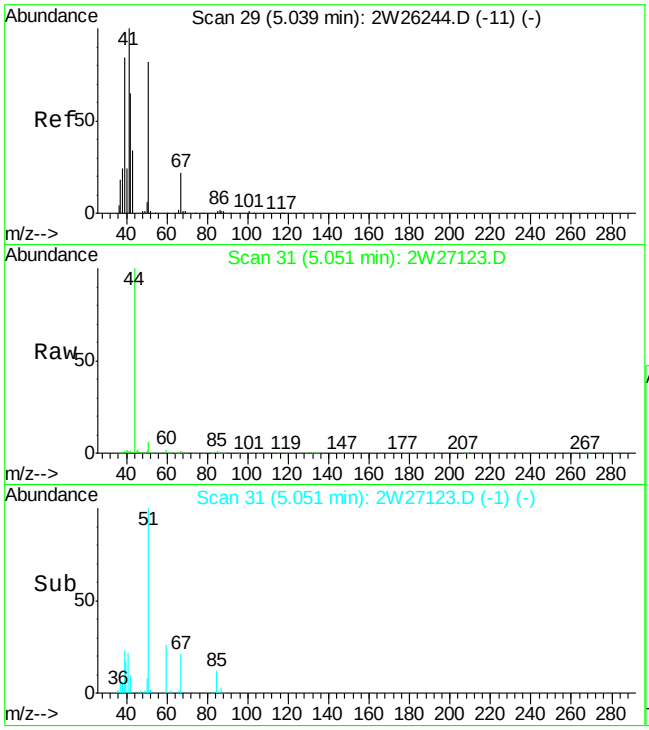
#4
FREON 152A
Concen: 0.97 PPBV
RT: 4.97 min Scan# 17
Delta R.T. -0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 65 Resp: 34661

Ion	Ratio	Lower	Upper
65	100		
45	0.0	6.6	46.6#



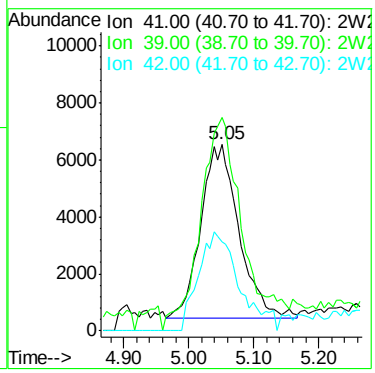
ACCUTEST Laboratories JA45062

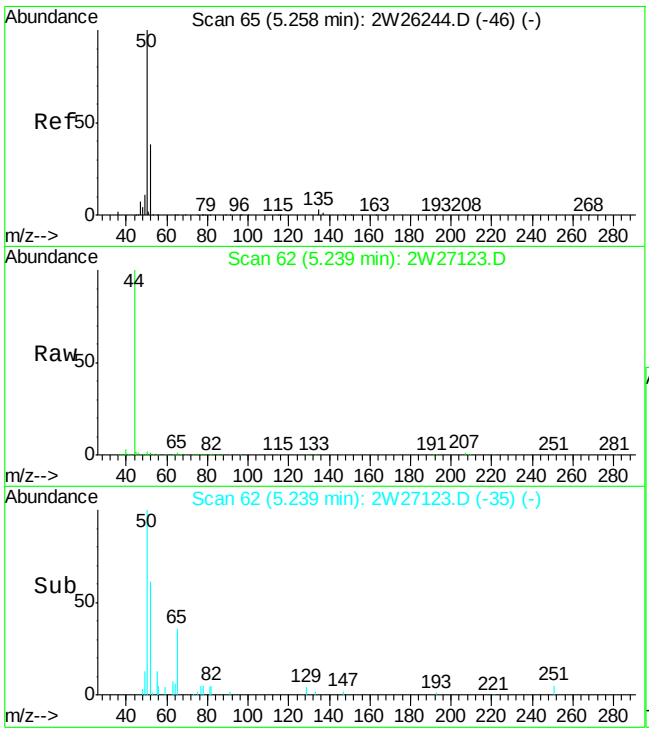


#6
PROPYLENE
Concen: 0.53 PPBV
RT: 5.05 min Scan# 31
Delta R.T. 0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 41 Resp: 24814

Ion	Ratio	Lower	Upper
41	100		
39	114.4	47.9	87.9#
42	47.7	47.3	87.3

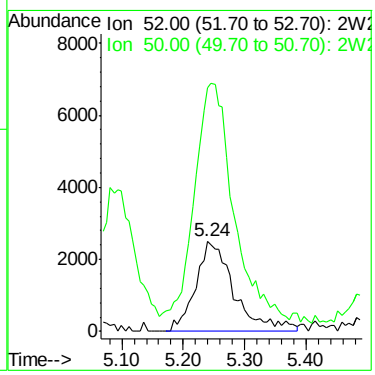




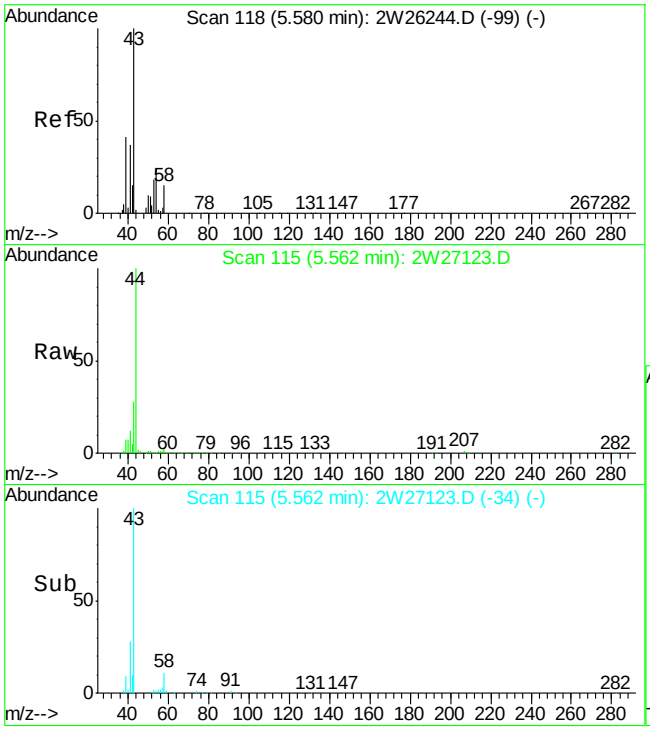
#9
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 52 Resp: 10953

Ion	Ratio	Lower	Upper
52	100		
50	254.9	268.7	308.7#



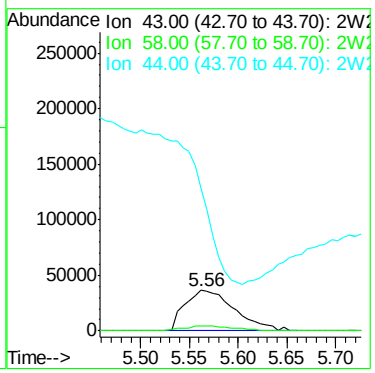
ACCUTEST Laboratories JA45062

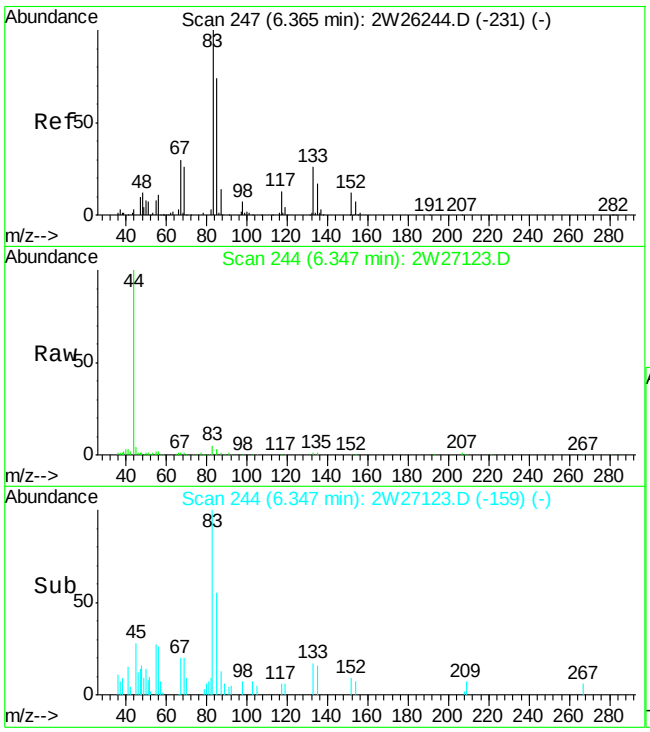


#12
n-BUTANE
Concen: 1.52 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 43 Resp: 129849

Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.6	15.8
44	0.0	2.3	3.5#

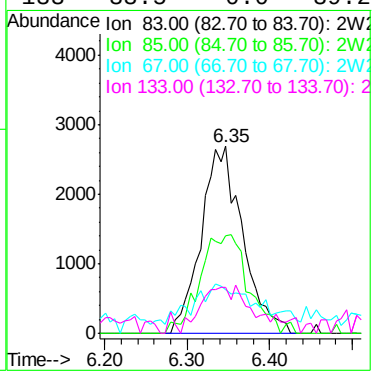




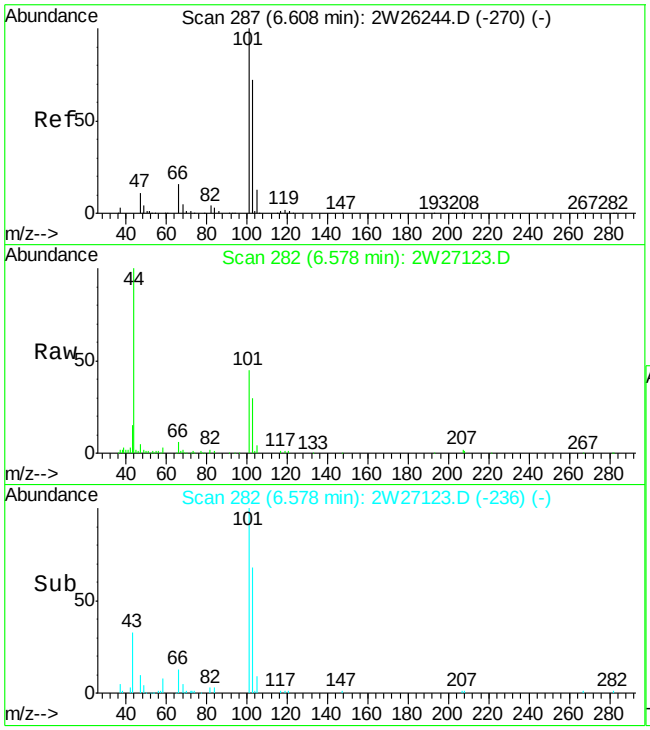
#15
FREON 123
Concen: 0.11 PPBV
RT: 6.35 min Scan# 244
Delta R.T. 0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 83 Resp: 9372

Ion	Ratio	Lower	Upper
83	100		
85	61.0	72.8	112.8#
67	0.0	0.0	20.0
133	33.5	0.0	39.2



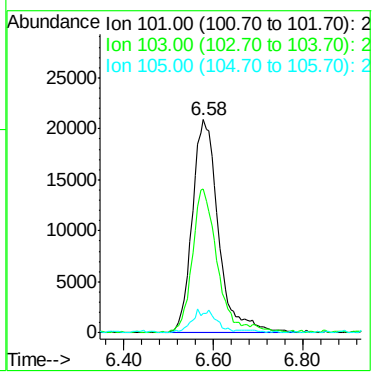
ACCUTEST Laboratories JA45062

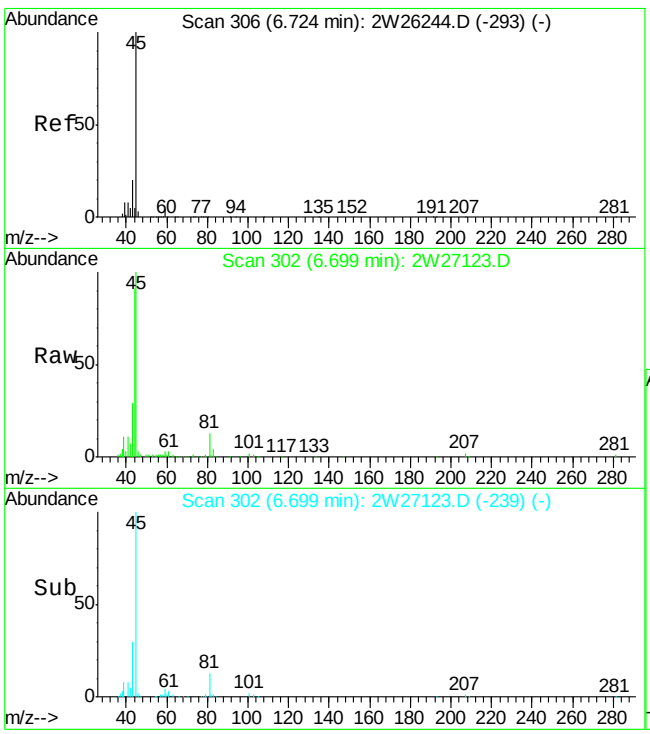


#17
TRICHLOROFLUOROMETHANE
Concen: 0.93 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:101 Resp: 85200

Ion	Ratio	Lower	Upper
101	100		
103	65.2	46.7	86.7
105	9.8	0.0	31.2

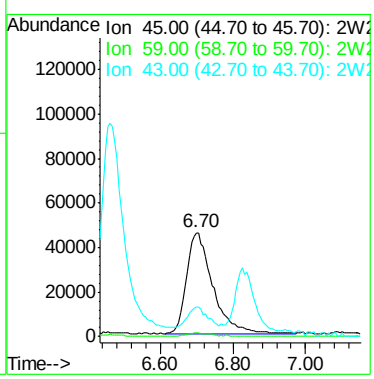


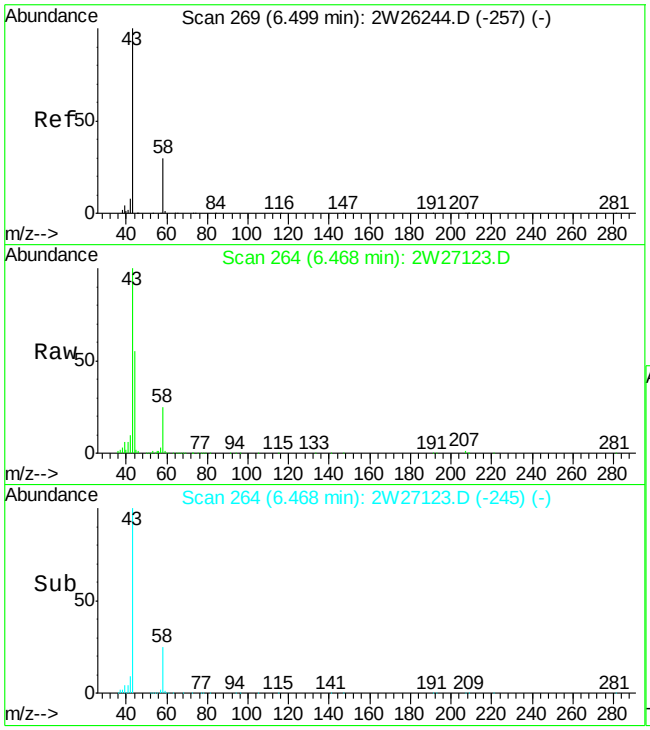


#18
ISOPROPYL ALCOHOL
Concen: 3.39 PPBV
RT: 6.70 min Scan# 302
Delta R.T. 0.03 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 45 Resp: 226968

Ion	Ratio	Lower	Upper
45	100		
59	3.4	0.0	24.1
43	28.6	0.2	40.2

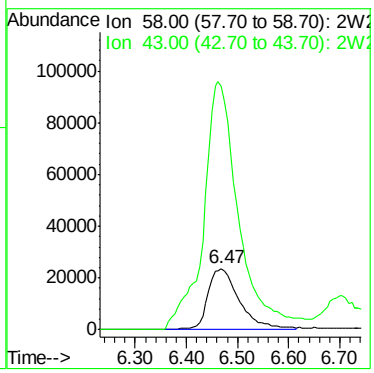


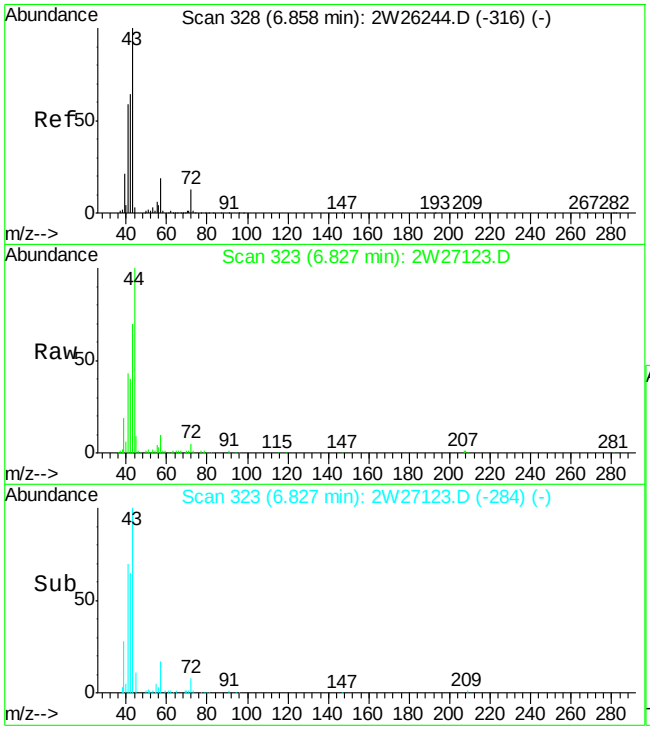


#19
ACETONE
Concen: 5.55 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 58 Resp: 102316

Ion	Ratio	Lower	Upper
58	100		
43	445.7	315.8	355.8#

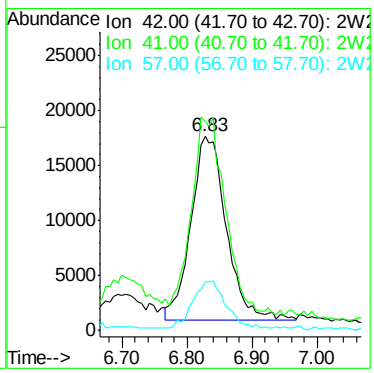


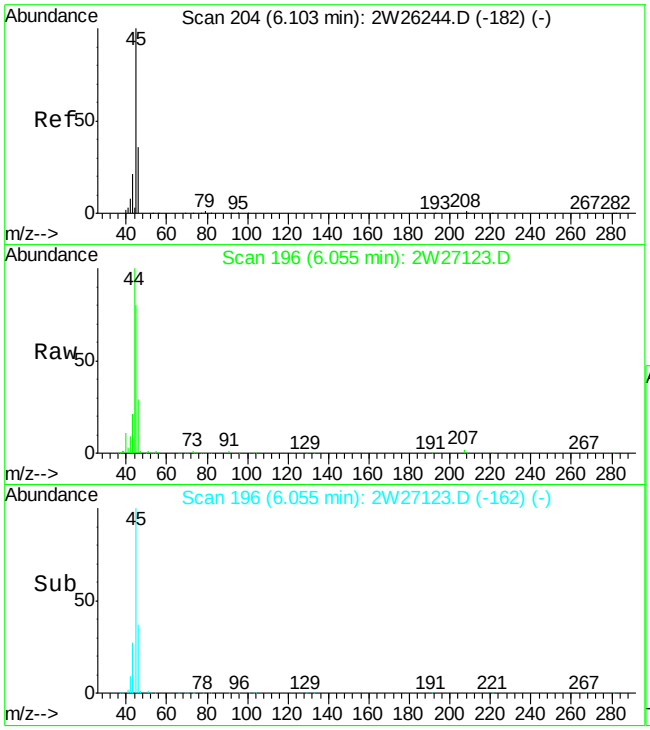


#20
PENTANE
Concen: 1.31 PPBV
RT: 6.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 42 Resp: 63196

Ion	Ratio	Lower	Upper
42	100		
41	105.0	67.5	107.5
57	24.7	6.1	46.1

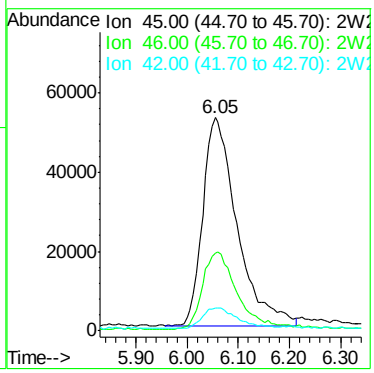


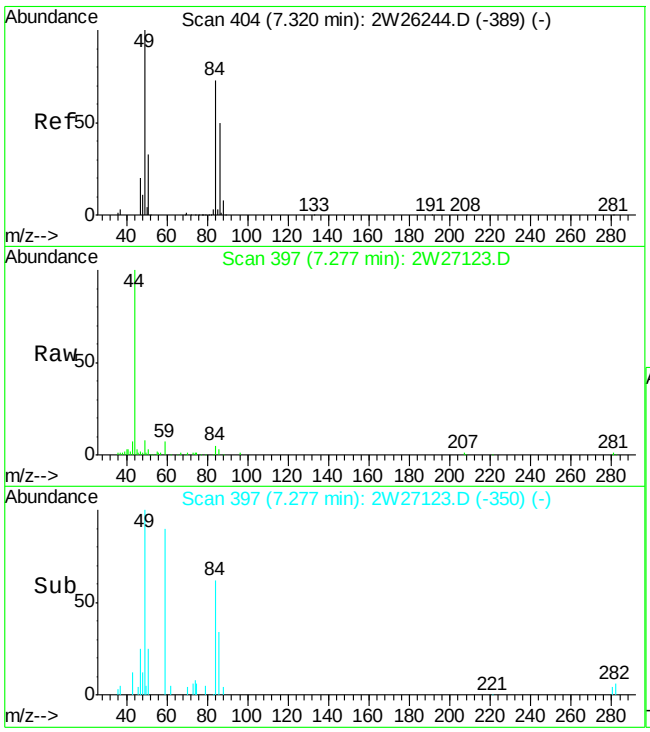


#25
ETHANOL
Concen: 13.25 PPBV
RT: 6.05 min Scan# 196
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 45 Resp: 246418

Ion	Ratio	Lower	Upper
45	100		
46	37.7	9.3	69.3
42	9.7	0.0	37.7

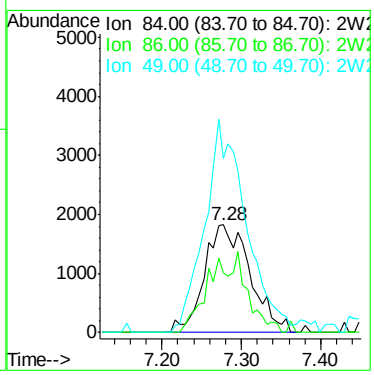


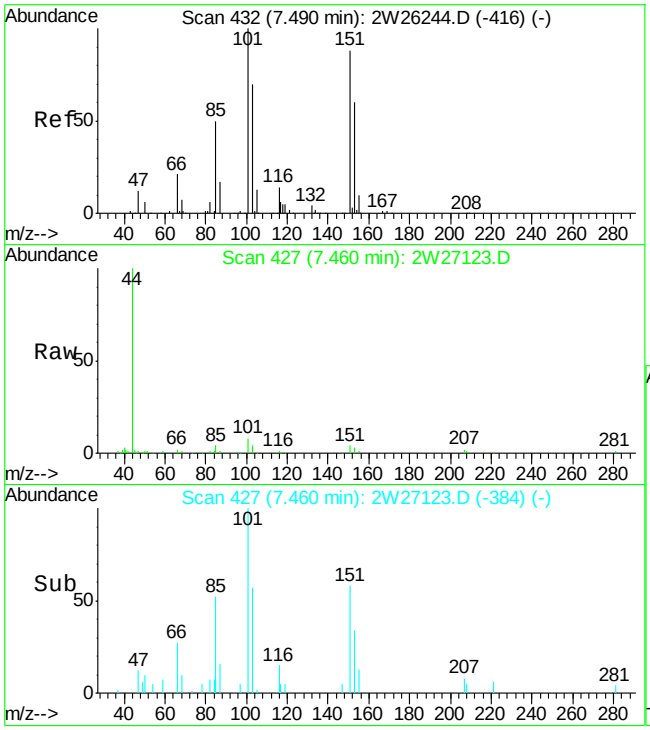


#27
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 84 Resp: 7314

Ion	Ratio	Lower	Upper
84	100		
86	0.0	44.9	84.9#
49	177.8	0.0	360.7

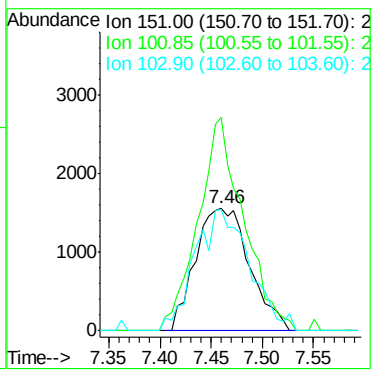


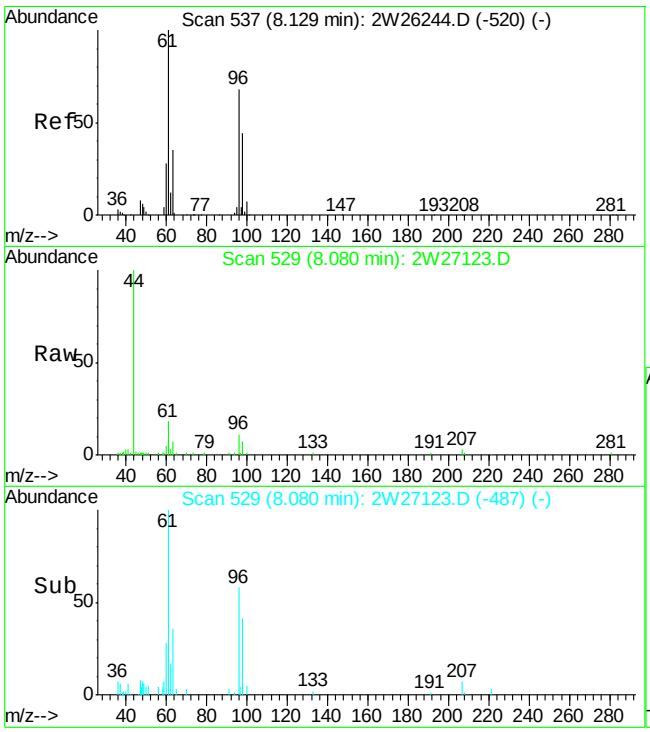


#29
FREON 113
Concen: 0.13 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:151 Resp: 5739

Ion	Ratio	Lower	Upper
151	100		
101	145.9	124.8	164.8
103	100.1	75.2	115.2

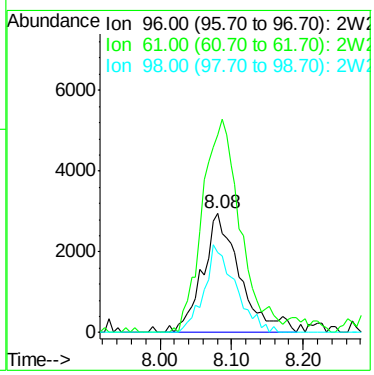


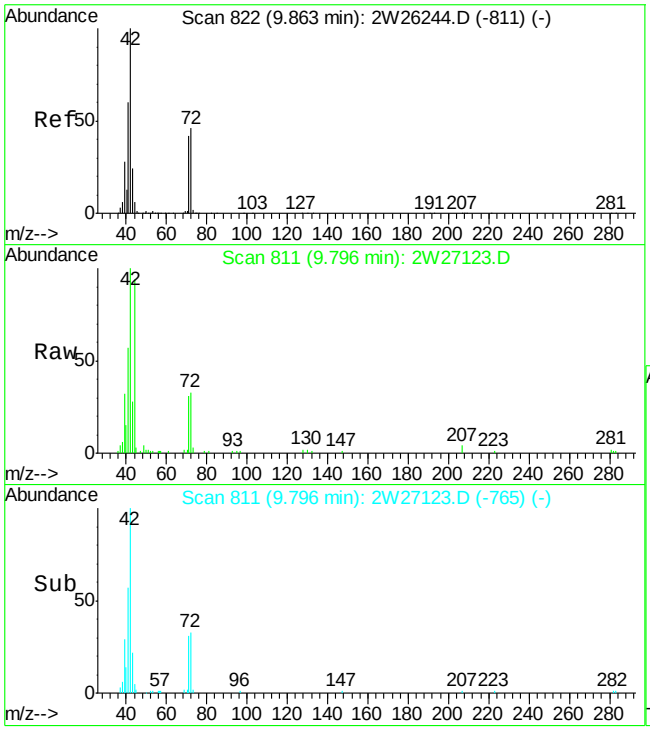


#30
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.27 PPBV
RT: 8.08 min Scan# 529
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 96 Resp: 10654

Ion	Ratio	Lower	Upper
96	100		
61	182.6	135.8	175.8#
98	61.9	43.6	83.6

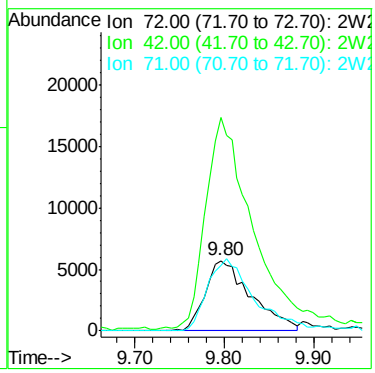


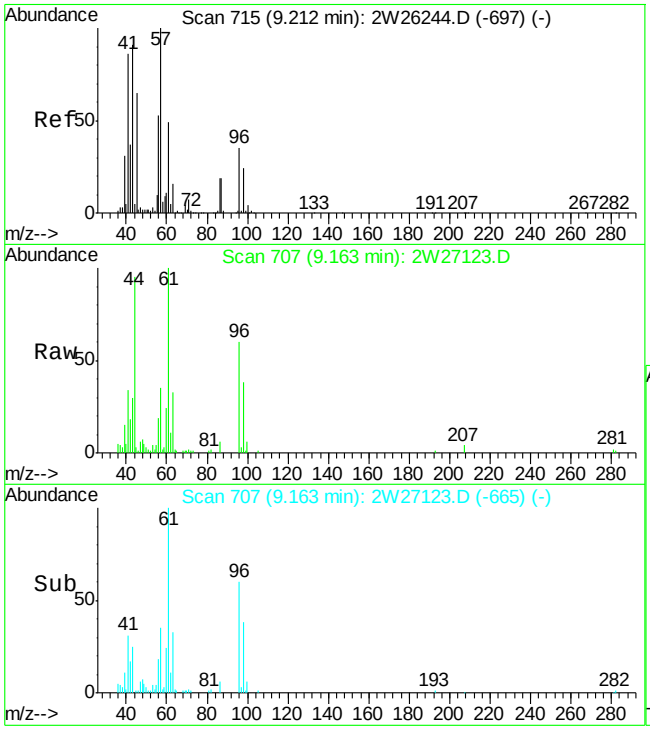


#33
TETRAHYDROFURAN
Concen: 1.11 PPBV
RT: 9.80 min Scan# 811
Delta R.T. 0.03 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 72 Resp: 20258

Ion	Ratio	Lower	Upper
72	100		
42	314.9	218.5	258.5#
71	108.4	74.3	114.3

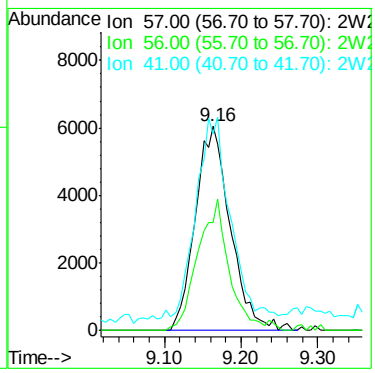


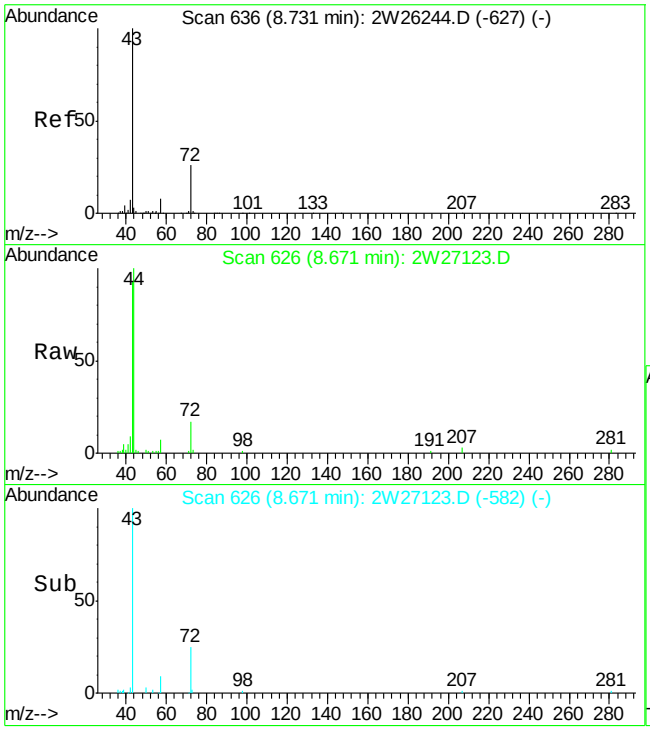


#34
HEXANE
Concen: 0.30 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 57 Resp: 19164

Ion	Ratio	Lower	Upper
57	100		
56	56.8	32.4	72.4
41	104.2	77.6	117.6

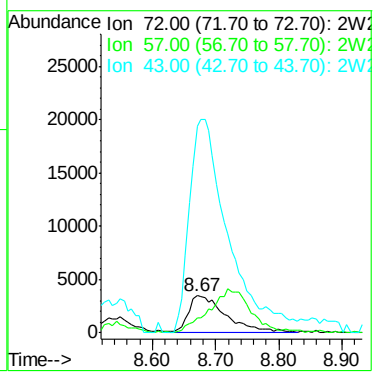


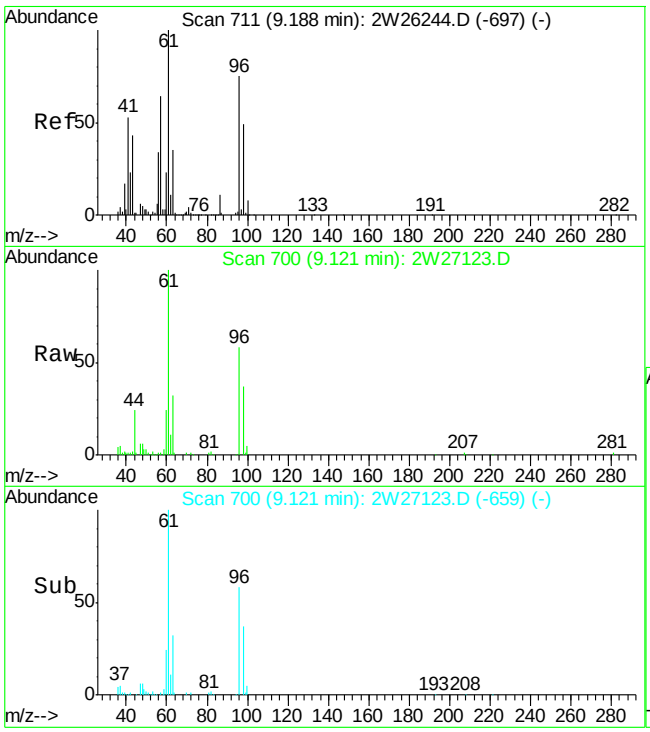


#37
METHYL ETHYL KETONE
Concen: 0.87 PPBV
RT: 8.67 min Scan# 626
Delta R.T. 0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 72 Resp: 14670

Ion	Ratio	Lower	Upper
72	100		
57	39.3	13.8	53.8
43	554.4	389.3	429.3#

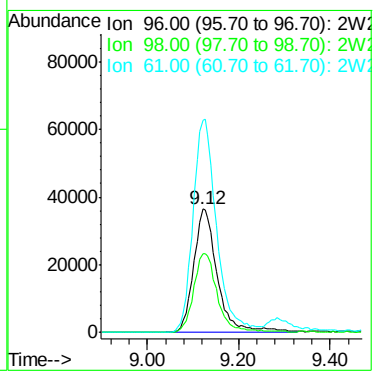


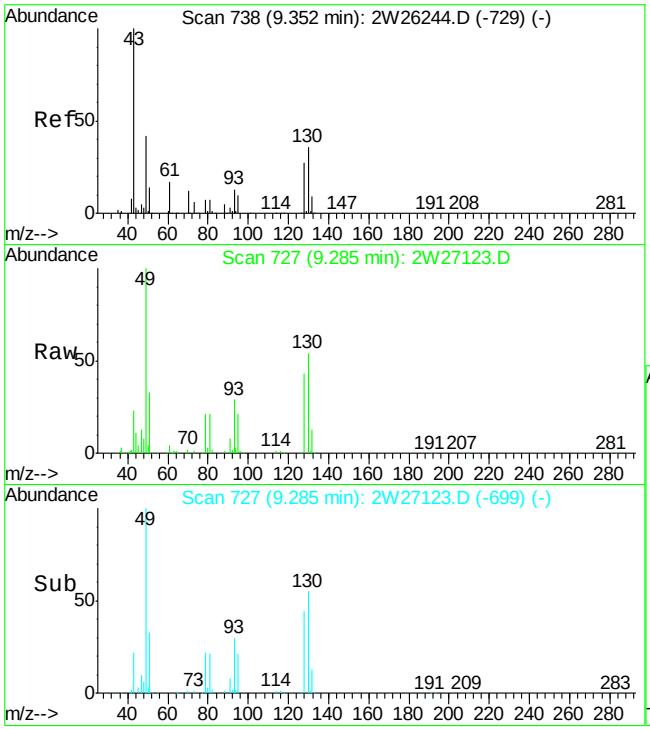


#38
cis-1,2-DICHLOROETHYLENE
Concen: 3.36 PPBV
RT: 9.12 min Scan# 700
Delta R.T. 0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 96 Resp: 133754

Ion	Ratio	Lower	Upper
96	100		
98	64.2	44.4	84.4
61	170.3	118.1	158.1#

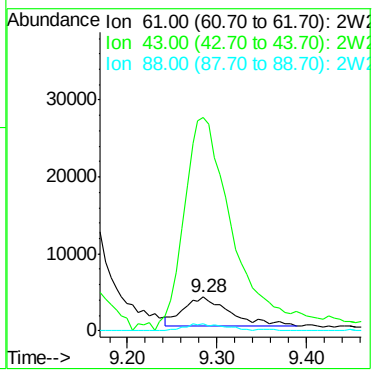


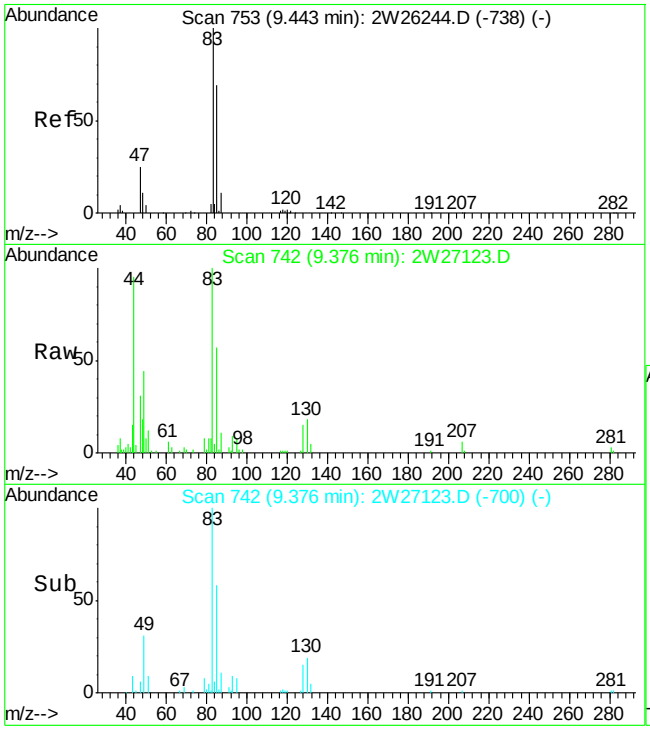


#39
ETHYL ACETATE
Concen: 1.26 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 61 Resp: 13456

Ion	Ratio	Lower	Upper
61	100		
43	766.8	606.5	646.5#
88	21.5	4.8	44.8

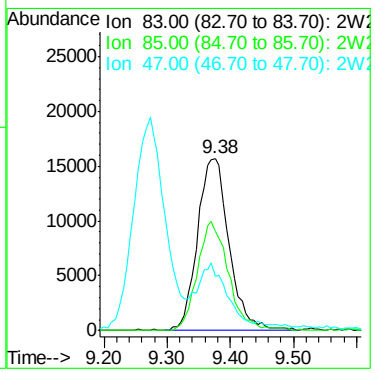


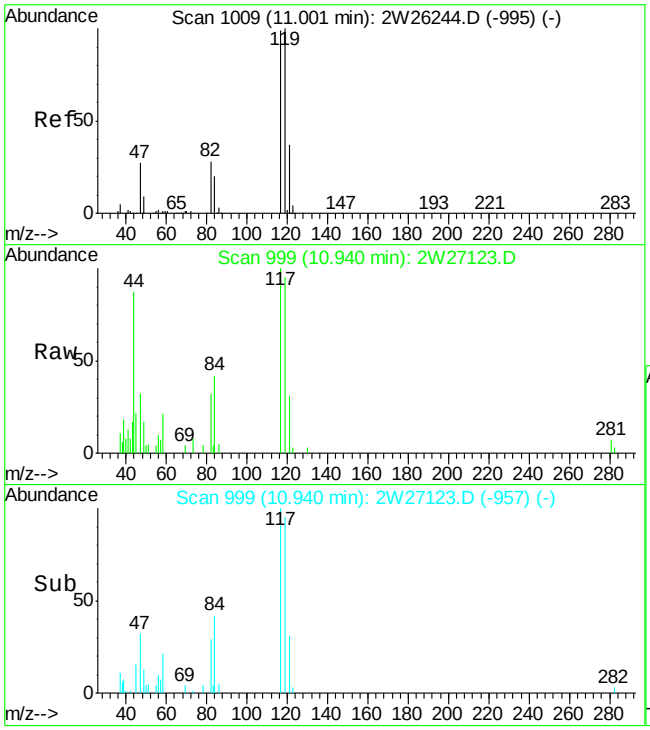


#40
CHLOROFORM
Concen: 0.71 PPBV
RT: 9.38 min Scan# 742
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 83 Resp: 54546

Ion	Ratio	Lower	Upper
83	100		
85	62.4	46.8	86.8
47	38.2	4.9	44.9

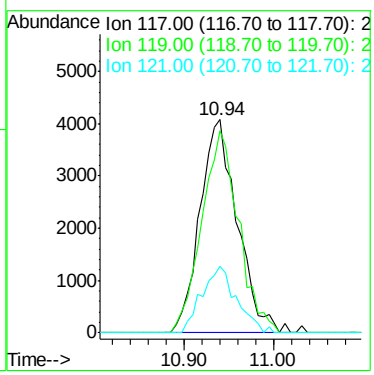


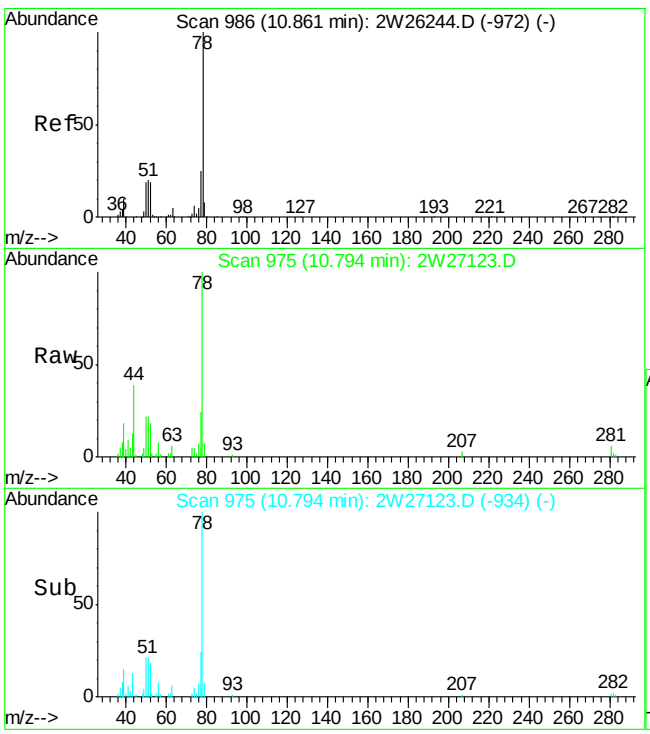


#43
CARBON TETRACHLORIDE
Concen: 0.15 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:117 Resp: 11821

Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.0	118.0
121	28.7	12.8	52.8

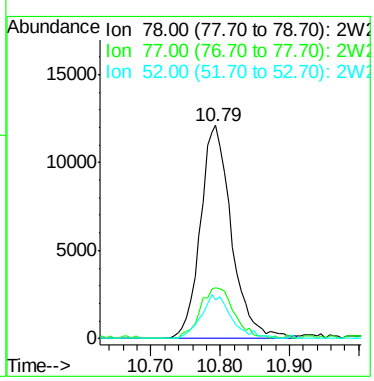


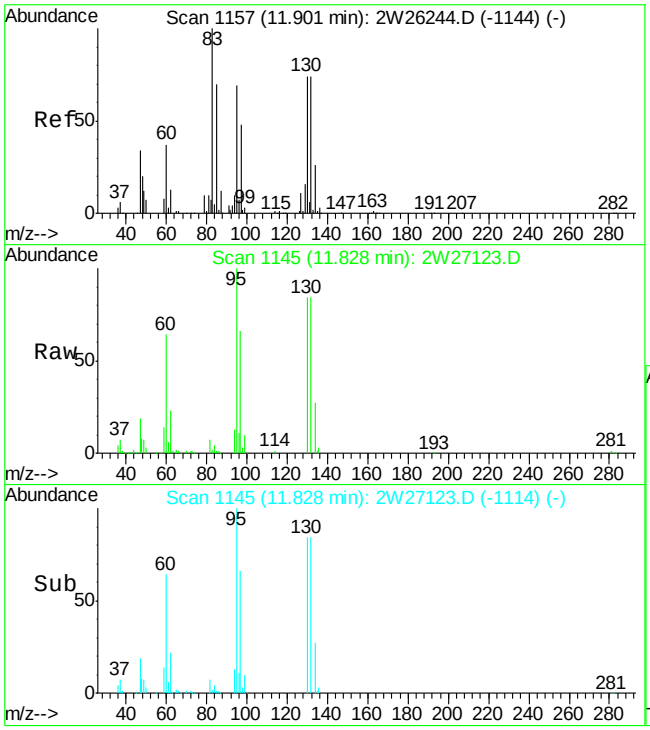


#46
BENZENE
Concen: 0.32 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 78 Resp: 37704

Ion	Ratio	Lower	Upper
78	100		
77	26.1	4.9	44.9
52	20.0	0.0	37.9

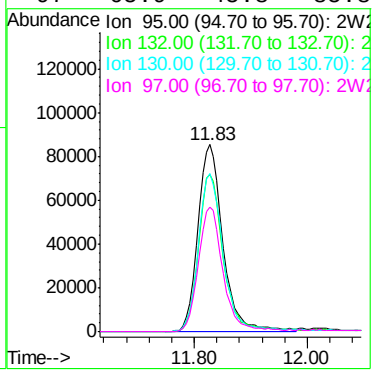


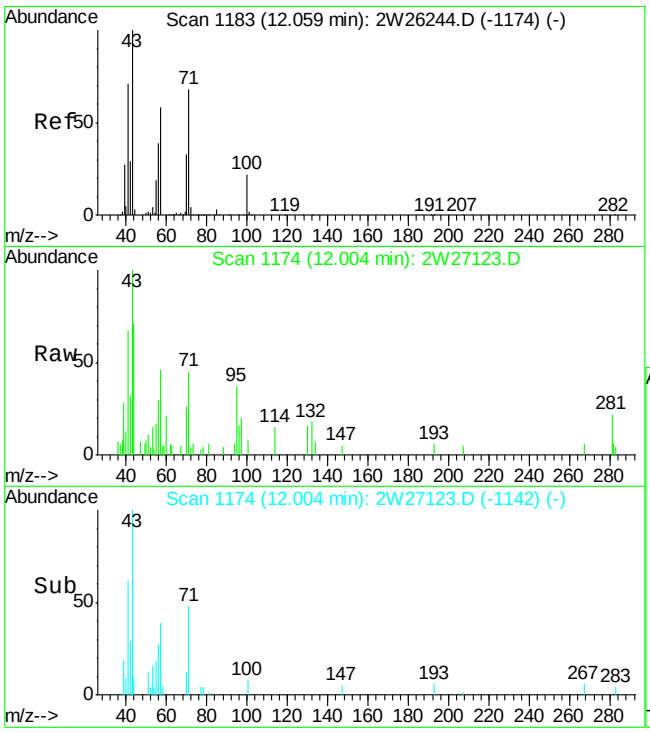


#49
TRICHLOROETHYLENE
Concen: 5.85 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 95 Resp: 264782

Ion	Ratio	Lower	Upper
95	100		
132	83.3	72.7	112.7
130	84.1	75.6	115.6
97	65.9	45.8	85.8

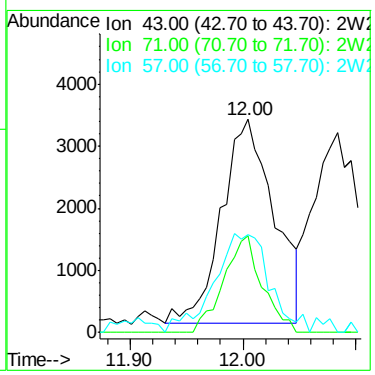


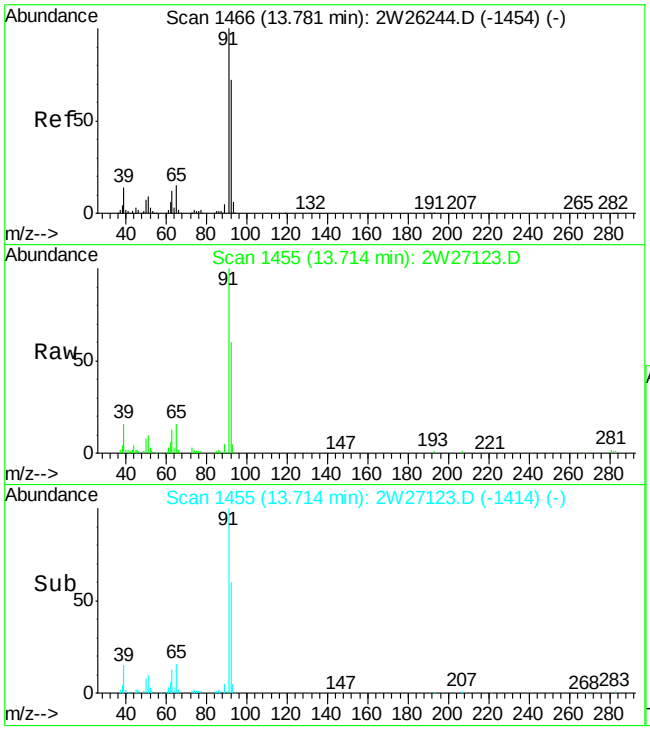


#55
HEPTANE
Concen: 0.15 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 43 Resp: 10567

Ion	Ratio	Lower	Upper
43	100		
71	34.7	41.4	81.4#
57	51.1	36.9	76.9

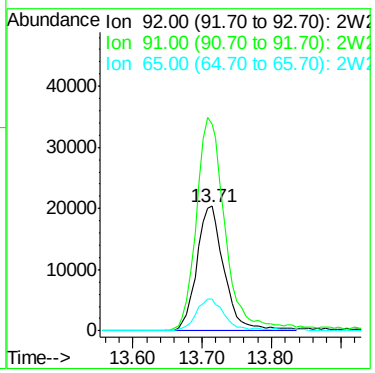


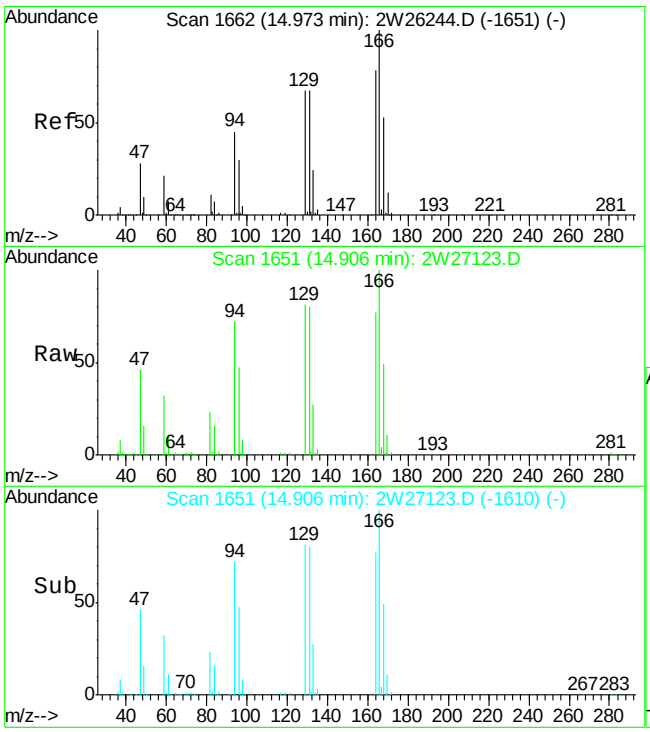


#59
TOLUENE
Concen: 0.80 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 92 Resp: 56456

Ion	Ratio	Lower	Upper
92	100		
91	181.9	136.6	176.6#
65	25.8	0.9	40.9

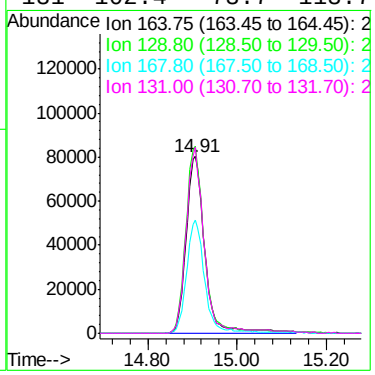


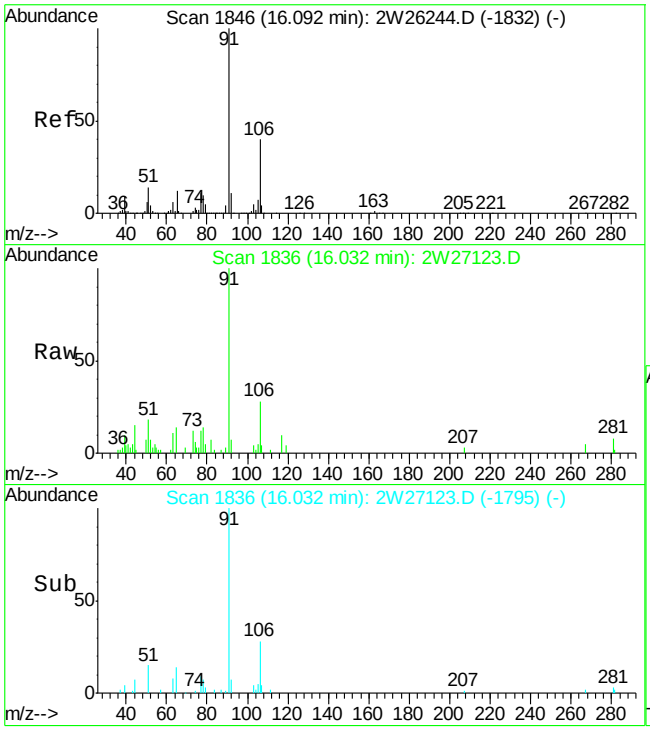


#64
TETRACHLOROETHYLENE
Concen: 6.20 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:164 Resp: 234085

Ion	Ratio	Lower	Upper
164	100		
129	105.7	76.6	116.6
168	62.6	44.5	84.5
131	102.4	73.7	113.7

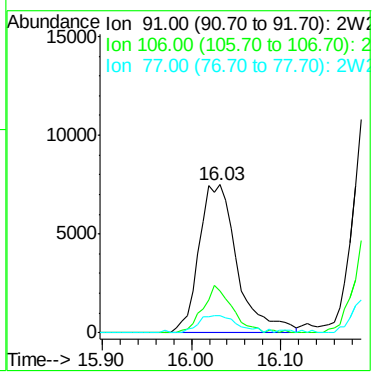


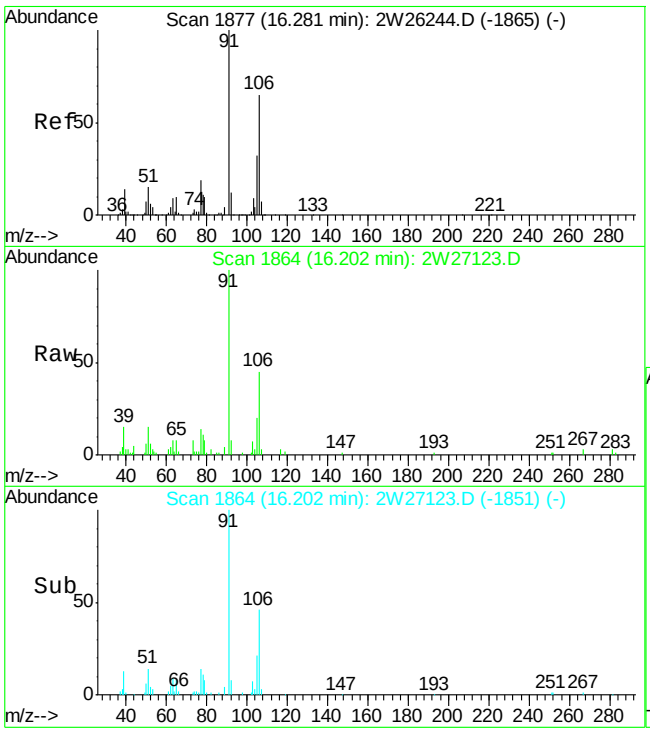


#70
ETHYLBENZENE
Concen: 0.19 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion: 91 Resp: 22264

Ion	Ratio	Lower	Upper
91	100		
106	24.3	13.5	53.5
77	11.6	0.0	29.7

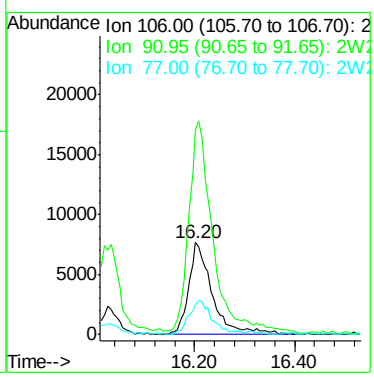


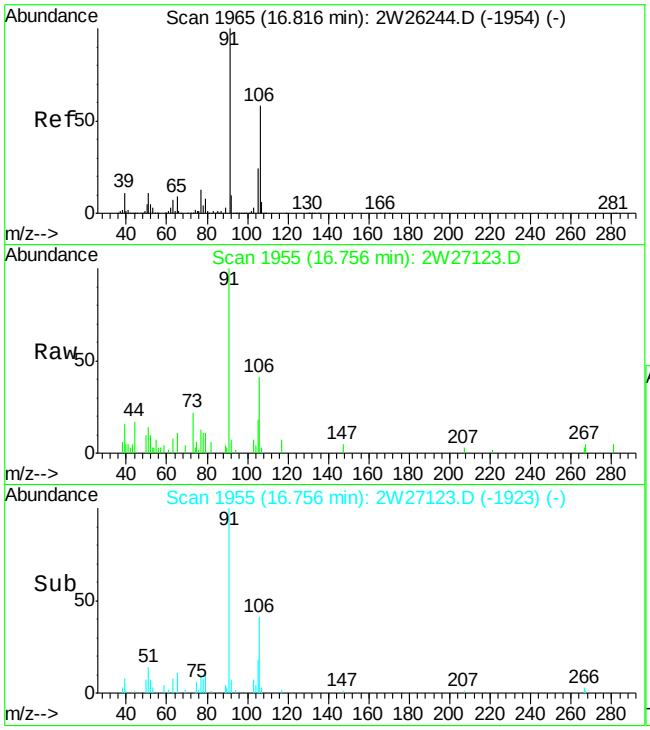


#71
m,p-XYLENE
Concen: 0.55 PPBV
RT: 16.20 min Scan# 1864
Delta R.T. -0.02 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:106 Resp: 25188

Ion	Ratio	Lower	Upper
106	100		
91	222.2	138.6	207.8#
77	31.6	23.5	35.3

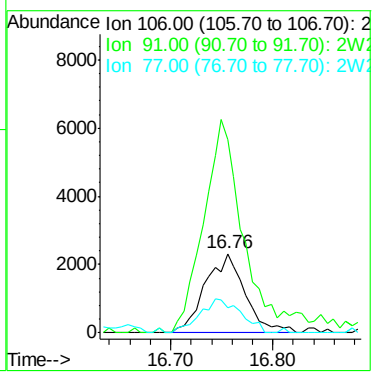


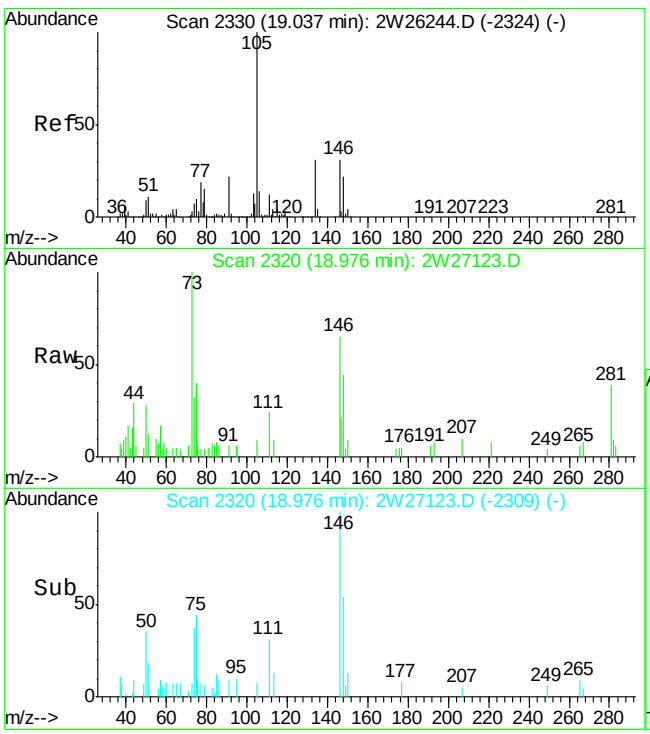


#72
o-XYLENE
Concen: 0.13 PPBV
RT: 16.76 min Scan# 1955
Delta R.T. 0.01 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:106 Resp: 6282

Ion	Ratio	Lower	Upper
106	100		
91	274.4	181.1	221.1#
77	43.5	7.9	47.9

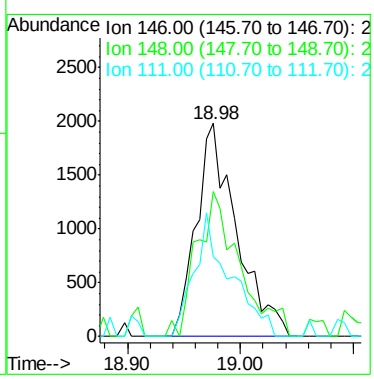




#87
p-DICHLOROBENZENE
Concen: 0.15 PPBV
RT: 18.98 min Scan# 2320
Delta R.T. -0.00 min
Lab File: 2W27123.D
Acq: 5 May 2010 10:42 pm

Tgt Ion:146 Resp: 4902

Ion	Ratio	Lower	Upper
146	100		
148	72.7	45.9	85.9
111	52.2	19.4	59.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/07/10 20:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27124.D Vial: 9
Acq On : 5 May 2010 11:25 pm Operator: yunxiac
Sample : ja45062-24 Inst : MS2W
Misc : MS96138,V2W1143,592,,,,1.48 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:06:20 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

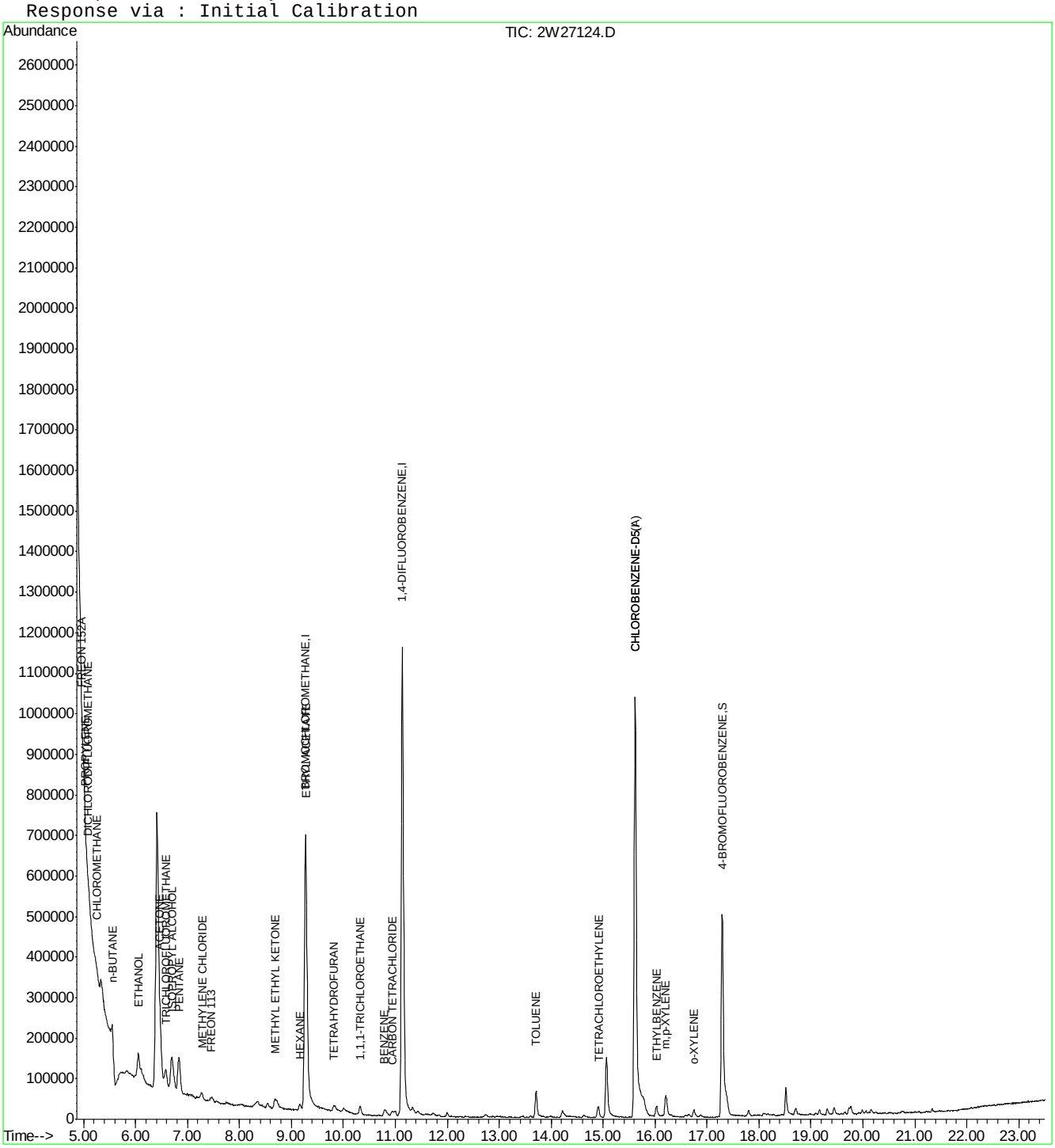
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	251067	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1256930	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	617575	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	617575	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	292810	4.56	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	97790	0.85	PPBV		96
4) FREON 152A	4.98	65	22501	0.59	PPBV	#	48
6) PROPYLENE	5.04	41	13235	0.27	PPBV	#	57
9) CHLOROMETHANE	5.25	52	9194	0.48	PPBV		97
12) n-BUTANE	5.56	43	66718	0.73	PPBV	#	97
17) TRICHLOROFLUOROMETHANE	6.58	101	84234	0.86	PPBV		98
18) ISOPROPYL ALCOHOL	6.71	45	228461	3.20	PPBV		88
19) ACETONE	6.47	58	82316	4.20	PPBV	#	1
20) PENTANE	6.83	42	63946	1.25	PPBV	#	78
25) ETHANOL	6.05	45	183724	9.28	PPBV		97
27) METHYLENE CHLORIDE	7.29	84	7024	0.20	PPBV		83
29) FREON 113	7.45	151	5268	0.11	PPBV	#	83
33) TETRAHYDROFURAN	9.81	72	4222	0.22	PPBV	#	54
34) HEXANE	9.16	57	10315	0.15	PPBV		96
37) METHYL ETHYL KETONE	8.68	72	9133	0.51	PPBV	#	36
39) ETHYL ACETATE	9.29	61	19111	1.68	PPBV	#	32
42) 1,1,1-TRICHLOROETHANE	10.33	97	19539	0.23	PPBV		91
43) CARBON TETRACHLORIDE	10.94	117	10669	0.13	PPBV		96
46) BENZENE	10.79	78	15980	0.12	PPBV		94
59) TOLUENE	13.71	92	38795	0.49	PPBV		88
64) TETRACHLOROETHYLENE	14.91	164	7384	0.17	PPBV		90
70) ETHYLBENZENE	16.03	91	25635	0.19	PPBV		88
71) m,p-XYLENE	16.20	106	23620m	0.45	PPBV		
72) o-XYLENE	16.75	106	6390	0.12	PPBV	#	73

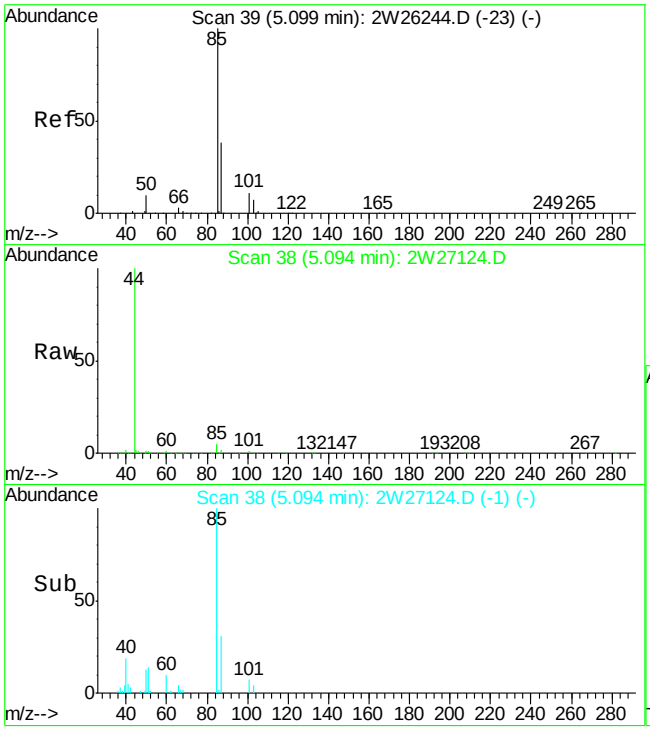
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27124.D Vial: 9
Acq On : 5 May 2010 11:25 pm Operator: yunxiac
Sample : ja45062-24 Inst : MS2W
Misc : MS96138,V2W1143,592,,,,1.48 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:13 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

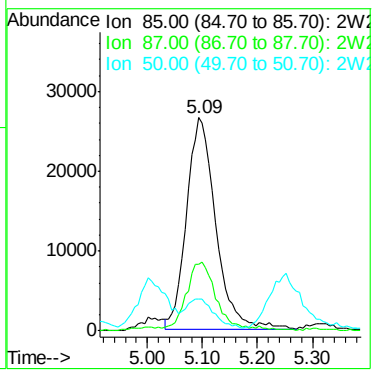


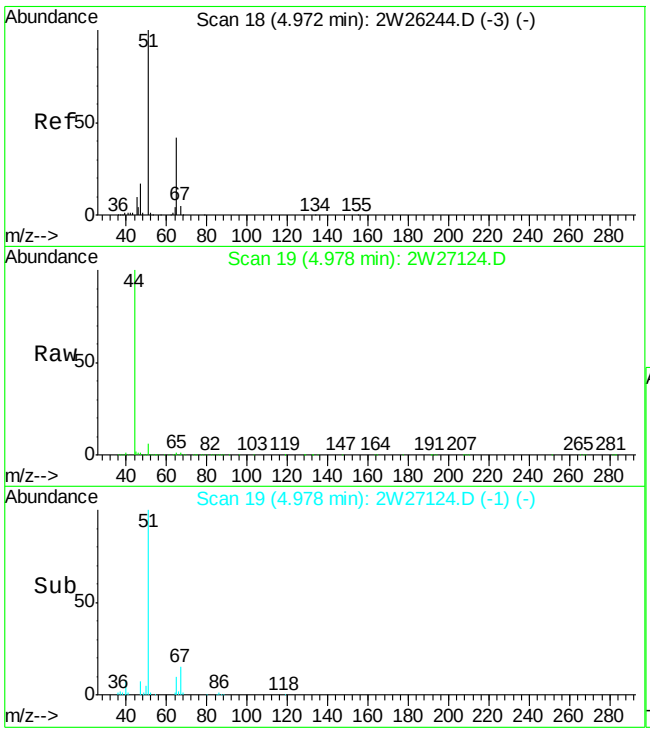


#3
DICHLORODIFLUOROMETHANE
Concen: 0.85 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 85 Resp: 97790

Ion	Ratio	Lower	Upper
85	100		
87	31.9	14.2	54.2
50	12.1	0.0	31.0

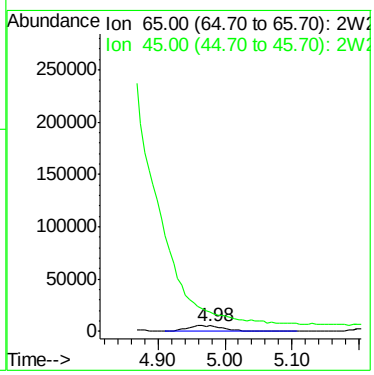


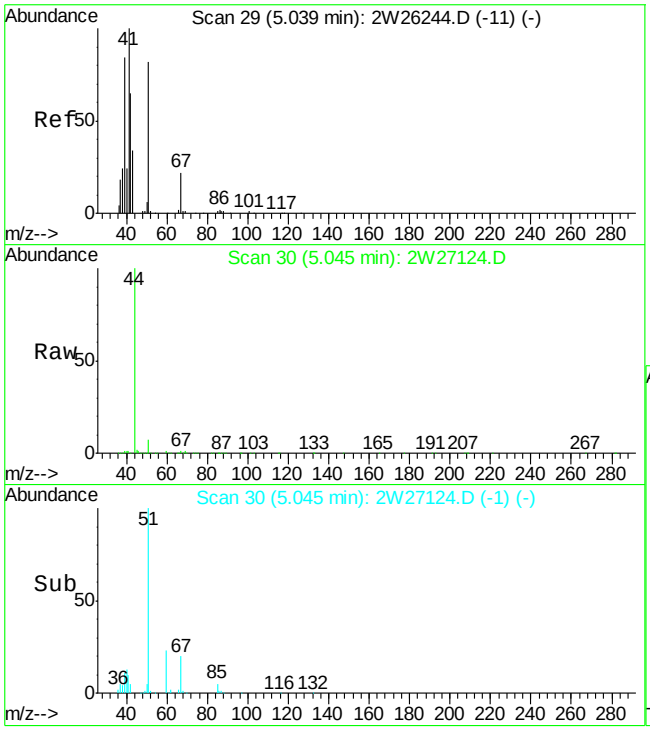


#4
FREON 152A
Concen: 0.59 PPBV
RT: 4.98 min Scan# 19
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 65 Resp: 22501

Ion	Ratio	Lower	Upper
65	100		
45	0.0	6.6	46.6#

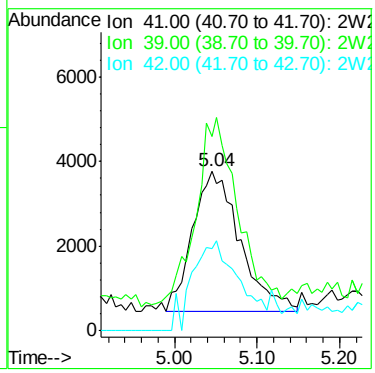


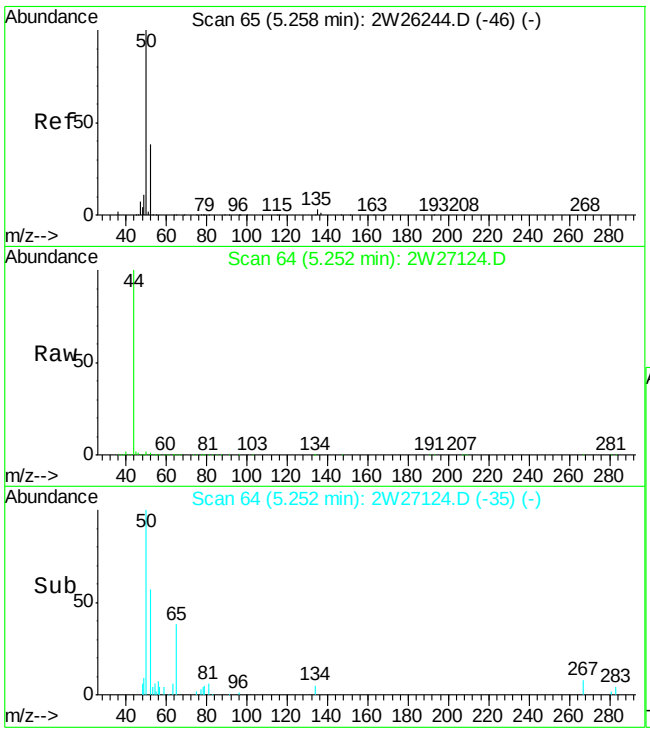


#6
PROPYLENE
Concen: 0.27 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 41 Resp: 13235

Ion	Ratio	Lower	Upper
41	100		
39	121.8	47.9	87.9#
42	51.3	47.3	87.3

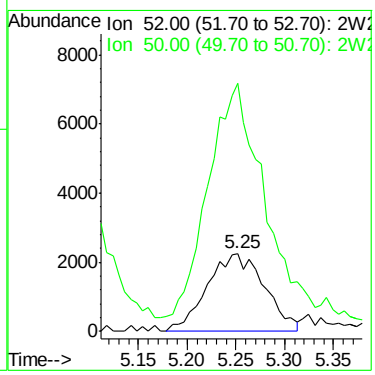


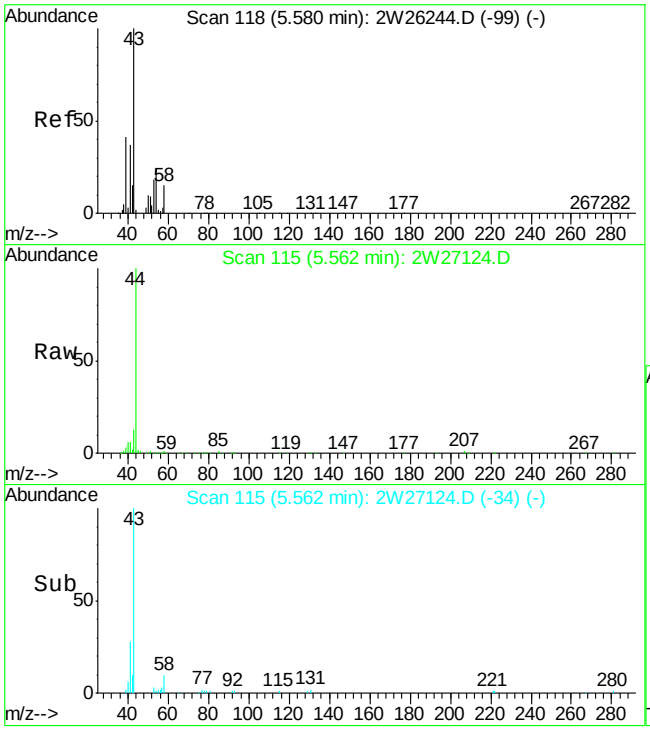


#9
CHLOROMETHANE
Concen: 0.48 PPBV
RT: 5.25 min Scan# 64
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 52 Resp: 9194

Ion	Ratio	Lower	Upper
52	100		
50	295.3	268.7	308.7

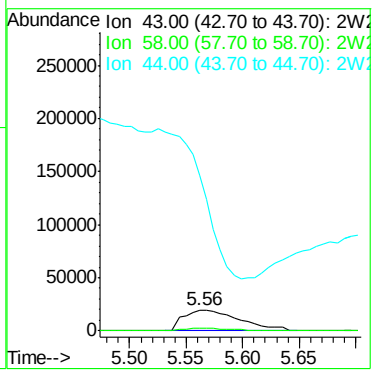


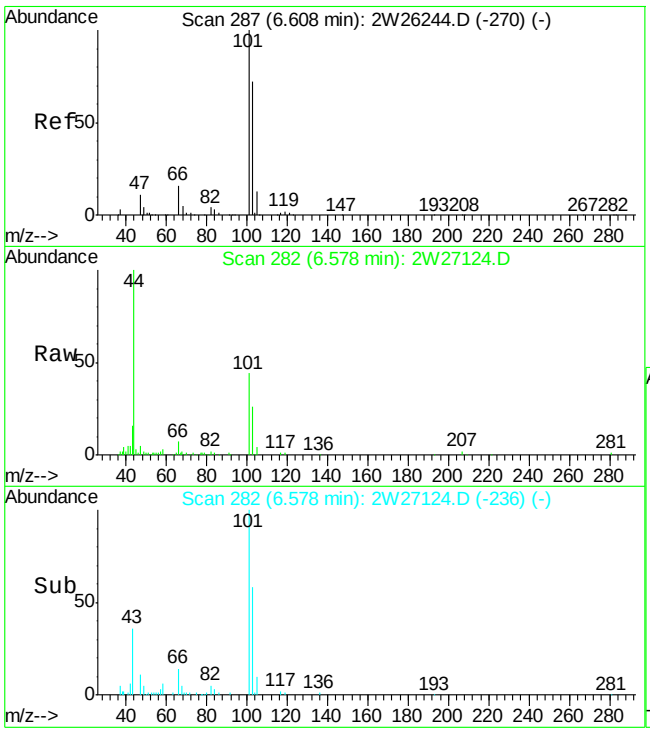


#12
n-BUTANE
Concen: 0.73 PPBV
RT: 5.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 43 Resp: 66718

Ion	Ratio	Lower	Upper
43	100		
58	12.3	10.6	15.8
44	0.0	2.3	3.5#

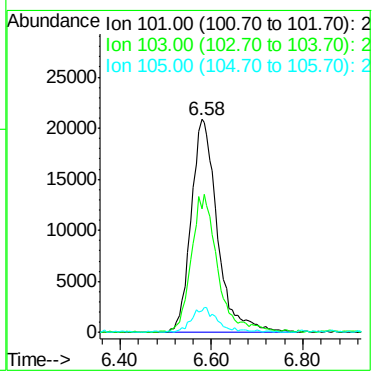


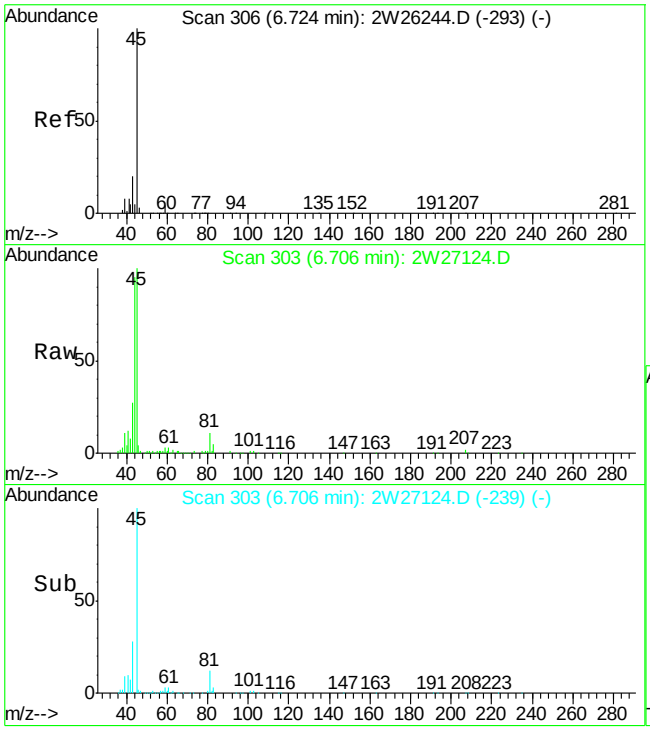


#17
TRICHLOROFLUOROMETHANE
Concen: 0.86 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:101 Resp: 84234

Ion	Ratio	Lower	Upper
101	100		
103	65.2	46.7	86.7
105	11.6	0.0	31.2

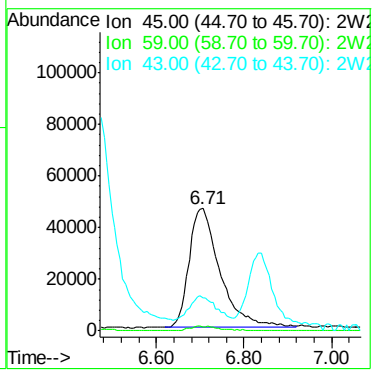


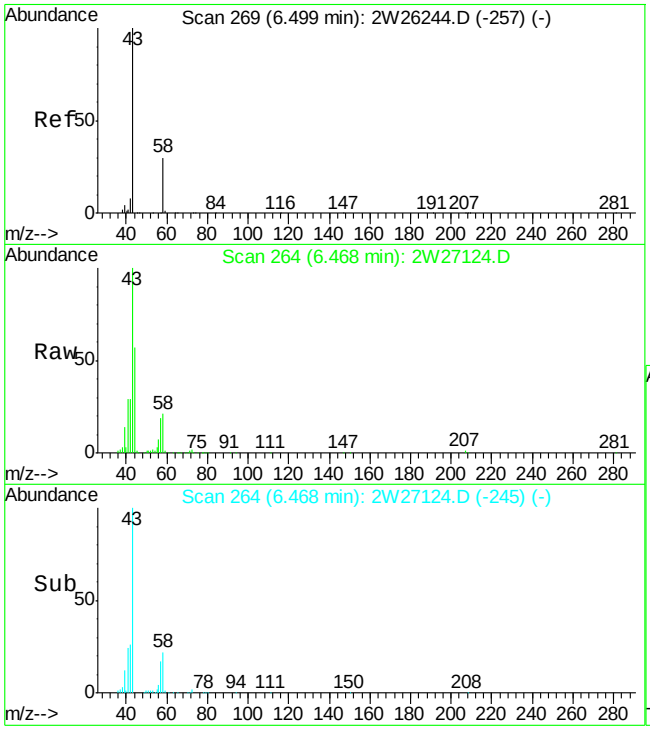


#18
ISOPROPYL ALCOHOL
Concen: 3.20 PPBV
RT: 6.71 min Scan# 303
Delta R.T. 0.04 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 45 Resp: 228461

Ion	Ratio	Lower	Upper
45	100		
59	3.2	0.0	24.1
43	26.6	0.2	40.2

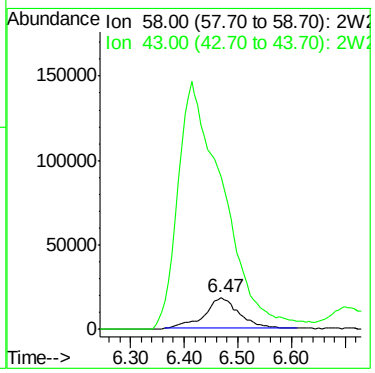


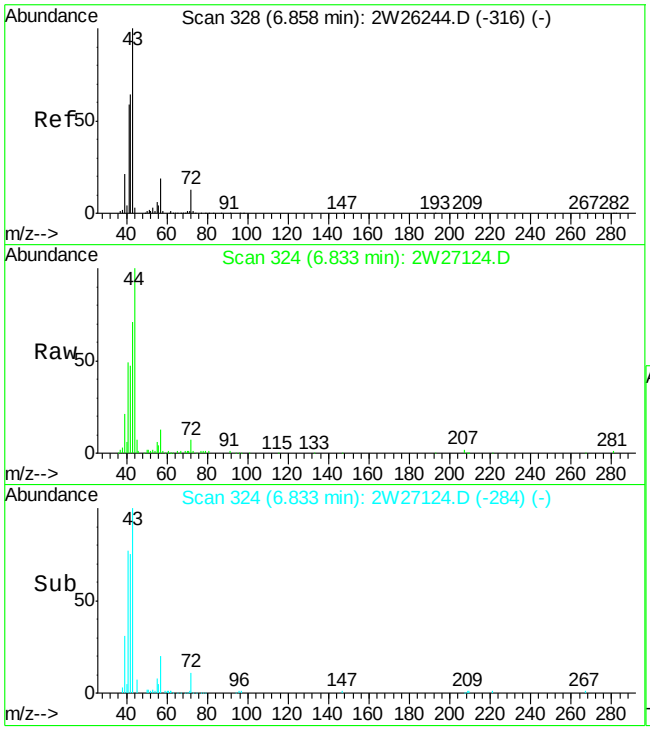


#19
ACETONE
Concen: 4.20 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 58 Resp: 82316

Ion	Ratio	Lower	Upper
58	100		
43	0.0	315.8	355.8#

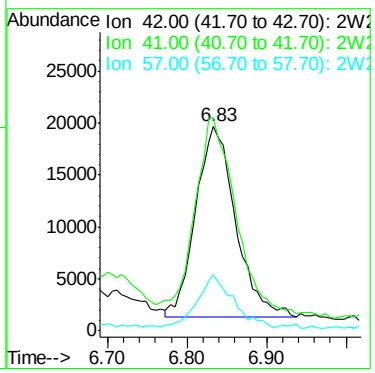


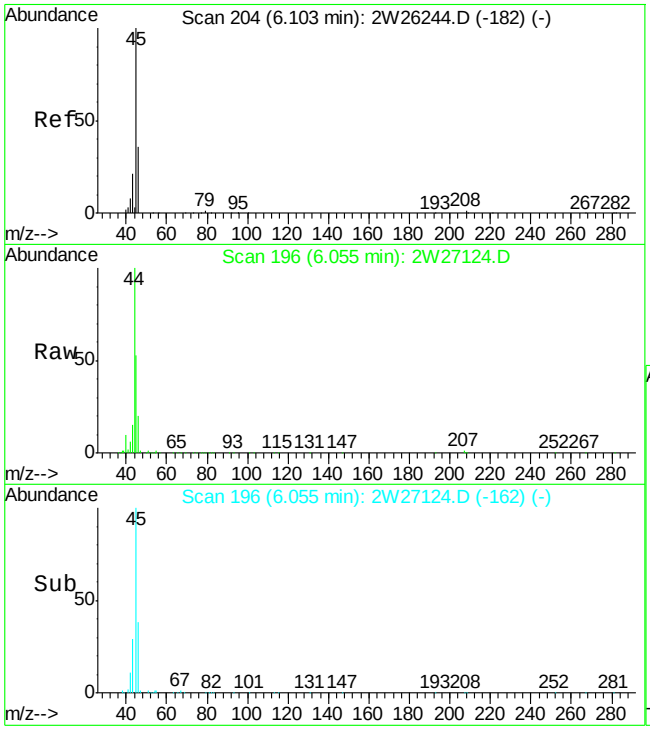


#20
PENTANE
Concen: 1.25 PPBV
RT: 6.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 42 Resp: 63946

Ion	Ratio	Lower	Upper
42	100		
41	112.9	67.5	107.5#
57	24.6	6.1	46.1

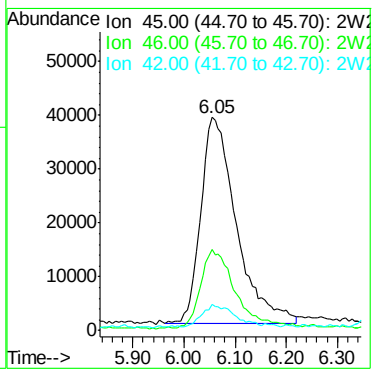


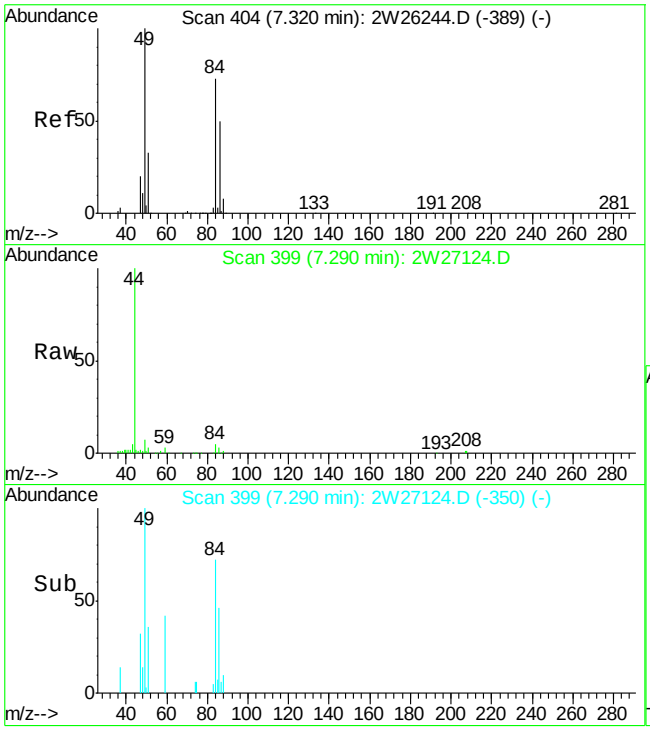


#25
ETHANOL
Concen: 9.28 PPBV
RT: 6.05 min Scan# 196
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 45 Resp: 183724

Ion	Ratio	Lower	Upper
45	100		
46	38.0	9.3	69.3
42	10.2	0.0	37.7

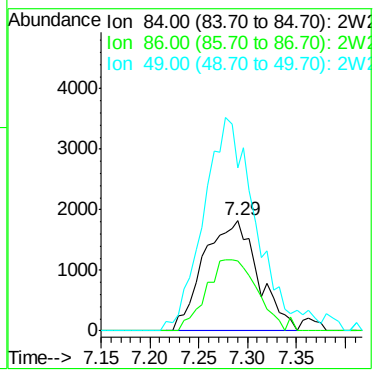


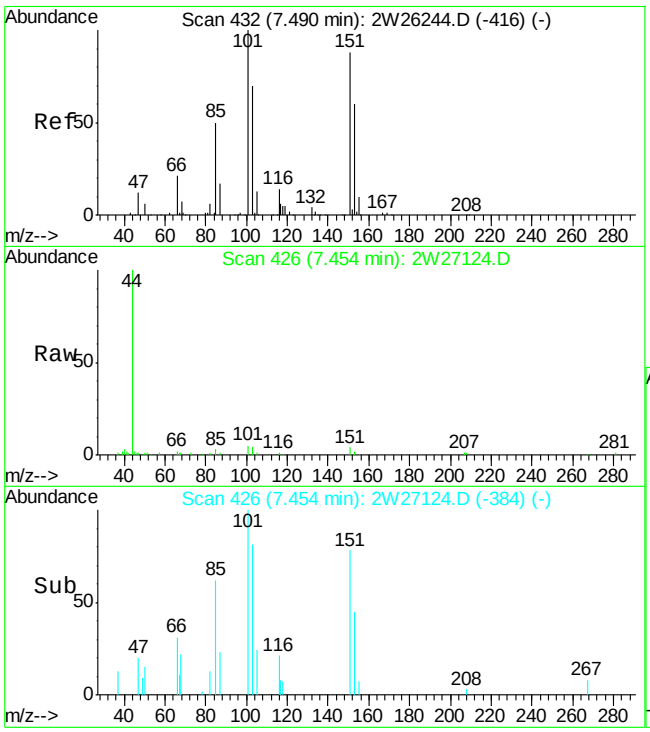


#27
METHYLENE CHLORIDE
Concen: 0.20 PPBV
RT: 7.29 min Scan# 399
Delta R.T. 0.02 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 84 Resp: 7024

Ion	Ratio	Lower	Upper
84	100		
86	59.7	44.9	84.9
49	187.8	0.0	360.7

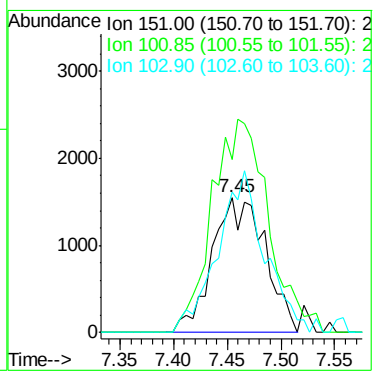


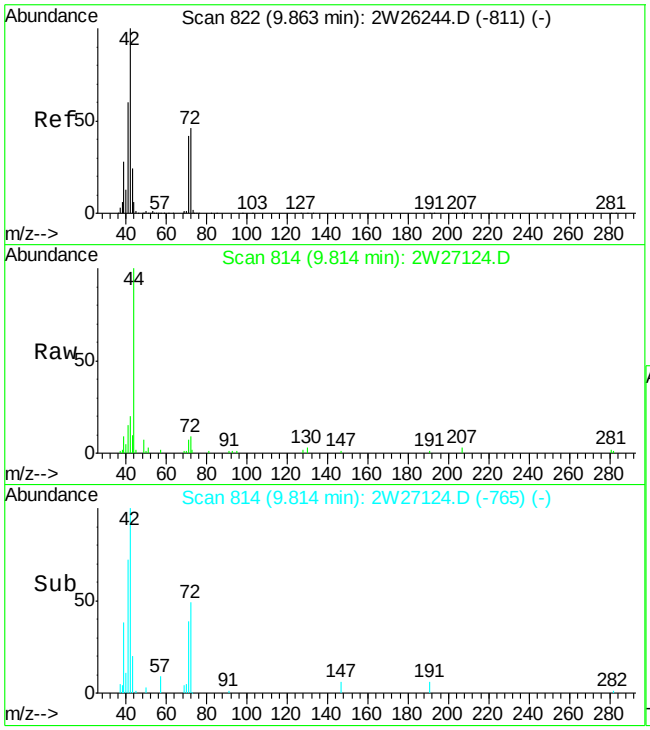


#29
FREON 113
Concen: 0.11 PPBV
RT: 7.45 min Scan# 426
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:151 Resp: 5268

Ion	Ratio	Lower	Upper
151	100		
101	169.2	124.8	164.8#
103	108.5	75.2	115.2

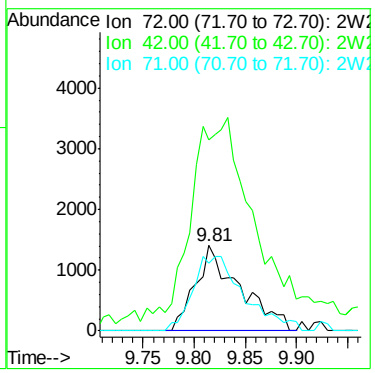


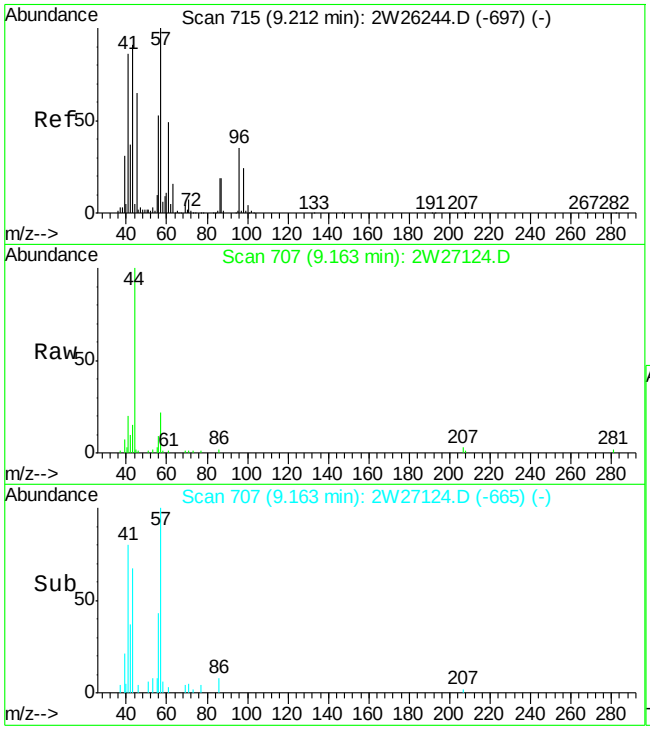


#33
TETRAHYDROFURAN
Concen: 0.22 PPBV
RT: 9.81 min Scan# 814
Delta R.T. 0.05 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 72 Resp: 4222

Ion	Ratio	Lower	Upper
72	100		
42	342.9	218.5	258.5#
71	101.2	74.3	114.3

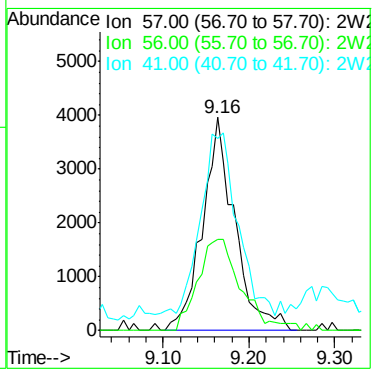


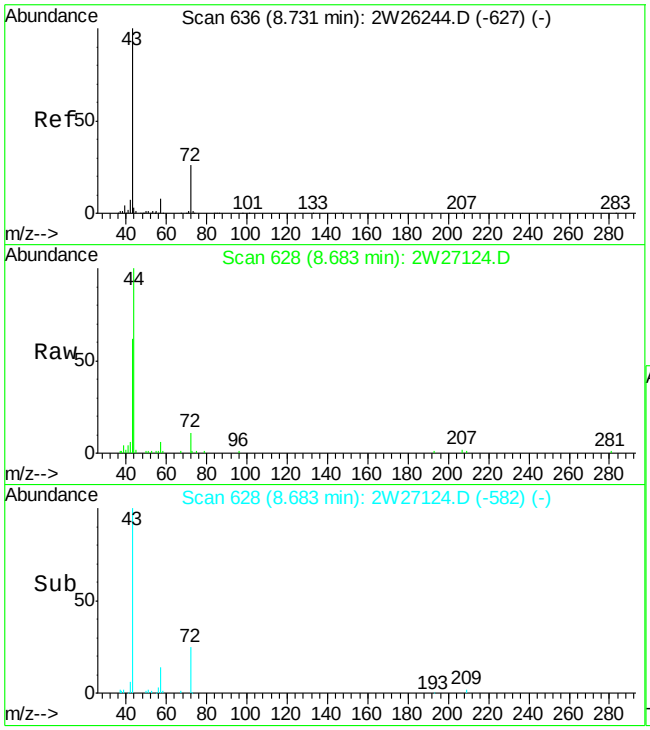


#34
HEXANE
Concen: 0.15 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 57 Resp: 10315

Ion	Ratio	Lower	Upper
57	100		
56	57.9	32.4	72.4
41	99.5	77.6	117.6

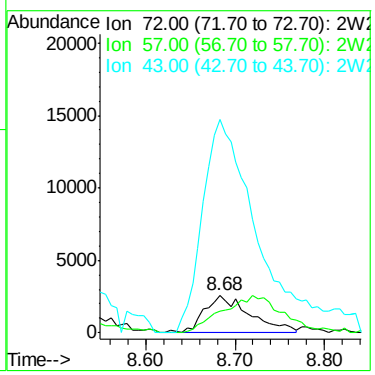


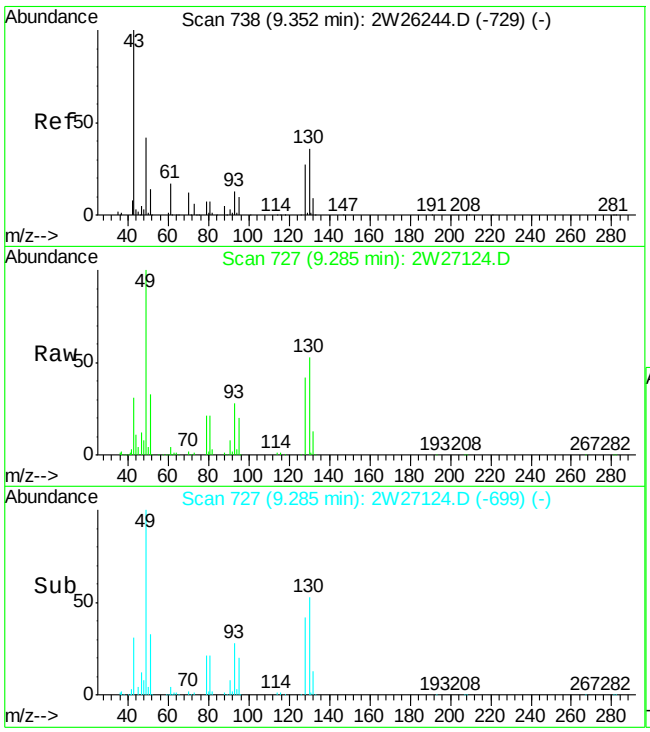


#37
METHYL ETHYL KETONE
Concen: 0.51 PPBV
RT: 8.68 min Scan# 628
Delta R.T. 0.03 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 72 Resp: 9133

Ion	Ratio	Lower	Upper
72	100		
57	57.0	13.8	53.8#
43	567.7	389.3	429.3#

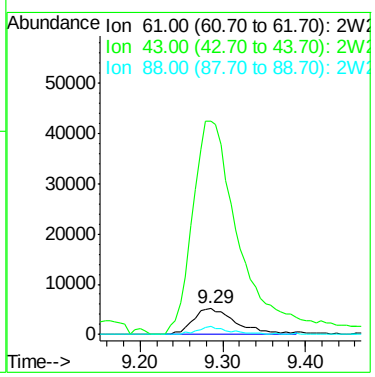


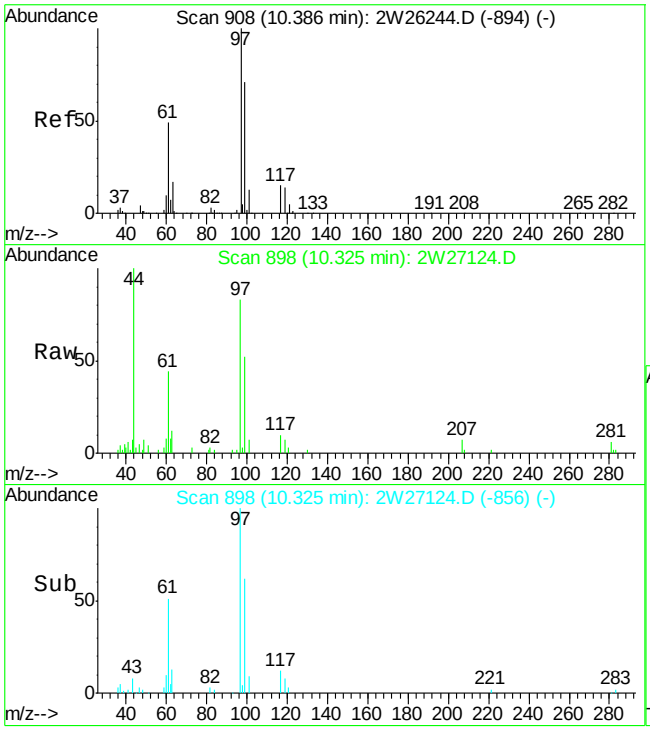


#39
ETHYL ACETATE
Concen: 1.68 PPBV
RT: 9.29 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 61 Resp: 19111

Ion	Ratio	Lower	Upper
61	100		
43	853.5	606.5	646.5#
88	23.5	4.8	44.8

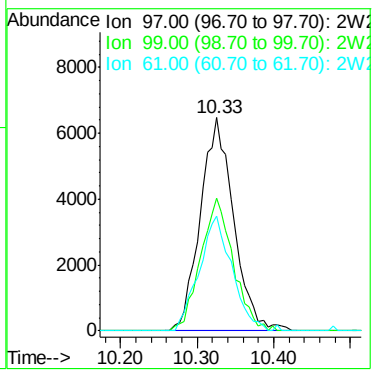


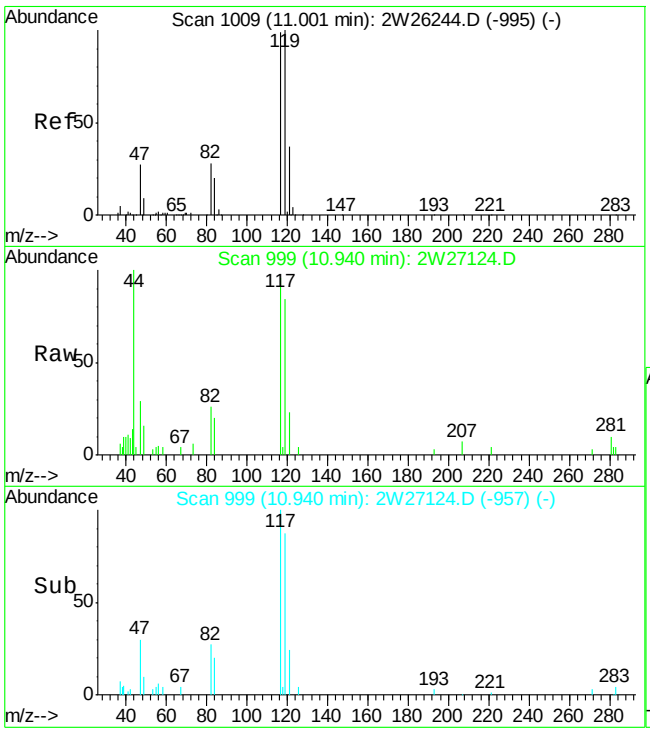


#42
1,1,1-TRICHLOROETHANE
Concen: 0.23 PPBV
RT: 10.33 min Scan# 898
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 97 Resp: 19539

Ion	Ratio	Lower	Upper
97	100		
99	60.8	46.6	86.6
61	53.3	26.4	66.4

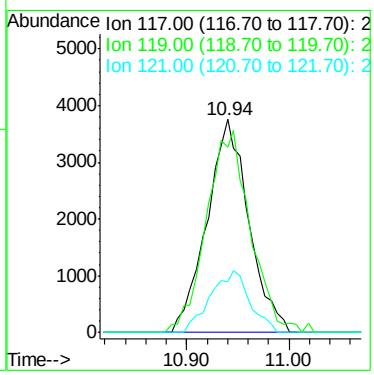


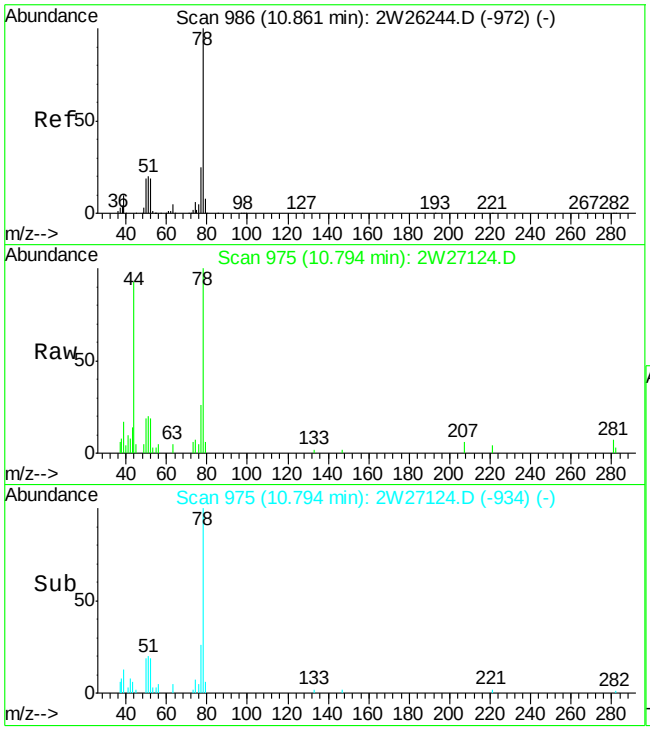


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:117 Resp: 10669

Ion	Ratio	Lower	Upper
117	100		
119	99.6	78.0	118.0
121	27.2	12.8	52.8

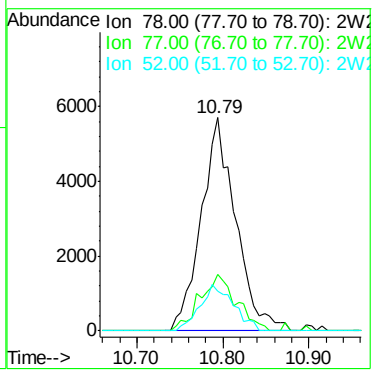


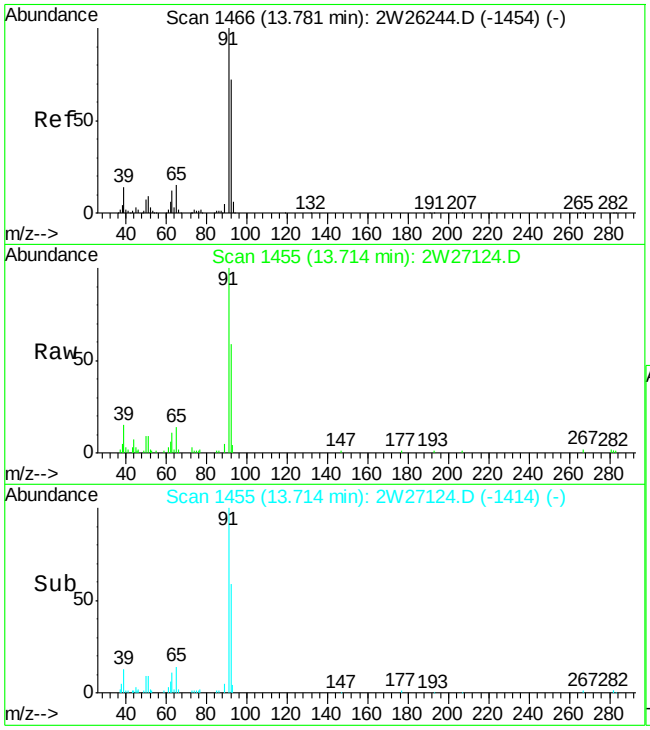


#46
BENZENE
Concen: 0.12 PPBV
RT: 10.79 min Scan# 975
Delta R.T. 0.00 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 78 Resp: 15980

Ion	Ratio	Lower	Upper
78	100		
77	27.8	4.9	44.9
52	21.0	0.0	37.9

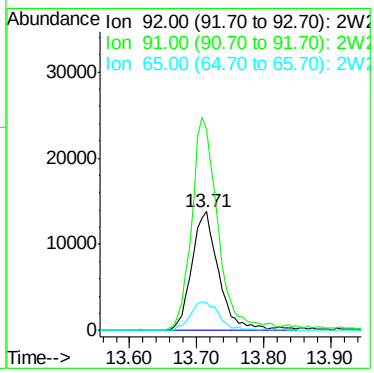


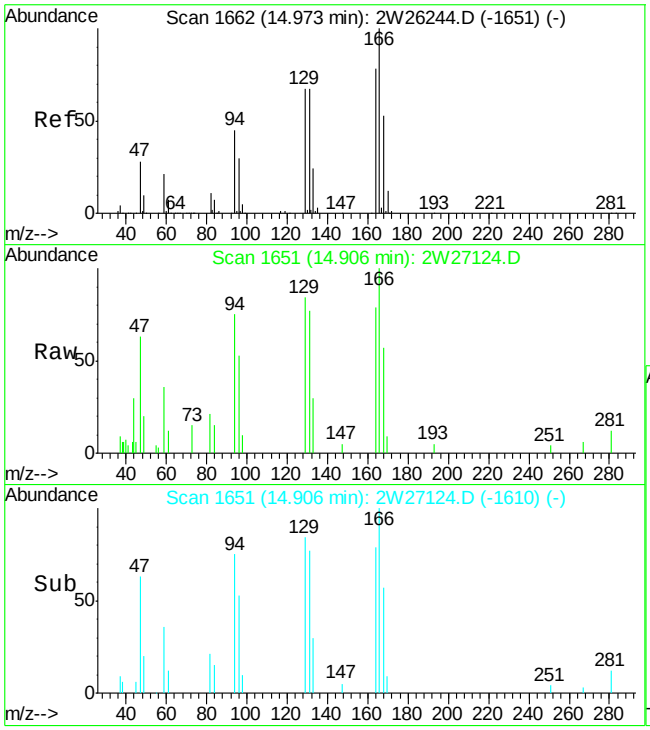


#59
TOLUENE
Concen: 0.49 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. 0.00 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 92 Resp: 38795

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.6	176.6
65	25.8	0.9	40.9

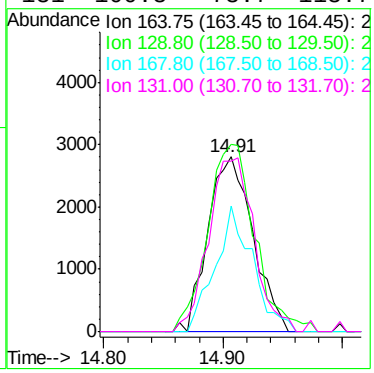


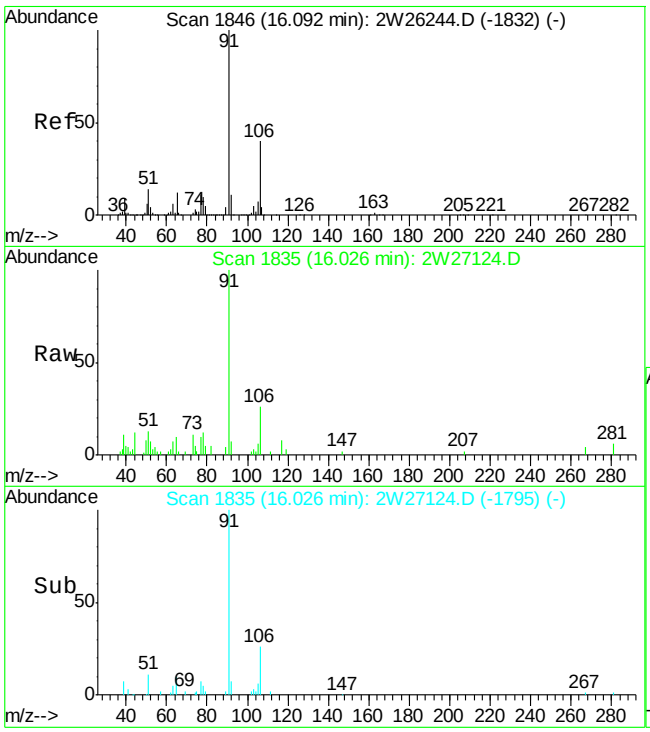


#64
TETRACHLOROETHYLENE
Concen: 0.17 PPBV
RT: 14.91 min Scan# 1651
Delta R.T. 0.00 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:164 Resp: 7384

Ion	Ratio	Lower	Upper
164	100		
129	112.5	76.6	116.6
168	59.9	44.5	84.5
131	100.3	73.7	113.7

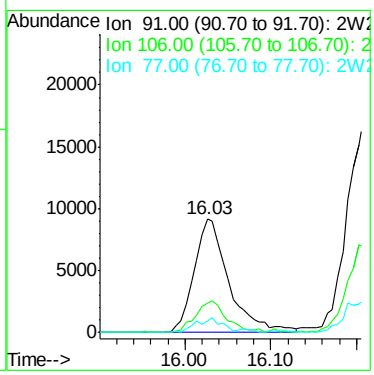


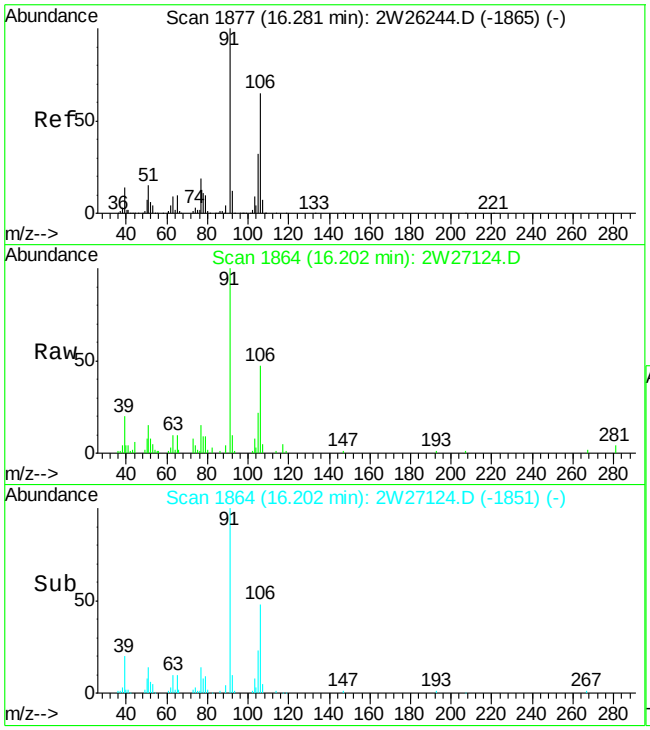


#70
ETHYLBENZENE
Concen: 0.19 PPBV
RT: 16.03 min Scan# 1835
Delta R.T. -0.01 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion: 91 Resp: 25635

Ion	Ratio	Lower	Upper
91	100		
106	25.0	13.5	53.5
77	9.7	0.0	29.7

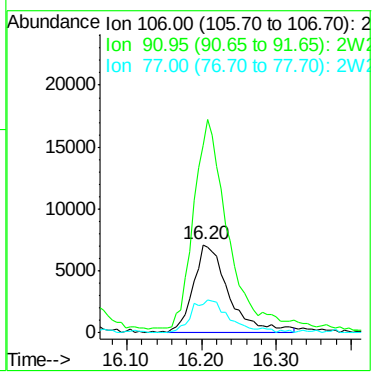


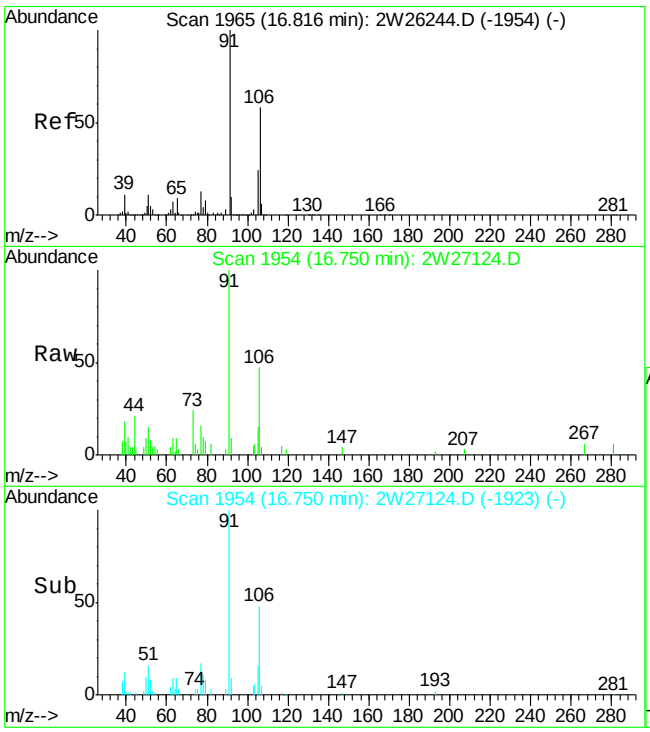


#71
m,p-XYLENE
Concen: 0.45 PPBV m
RT: 16.20 min Scan# 1864
Delta R.T. -0.02 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:106 Resp: 23620

Ion	Ratio	Lower	Upper
106	100		
91	213.4	138.6	207.8#
77	32.1	23.5	35.3

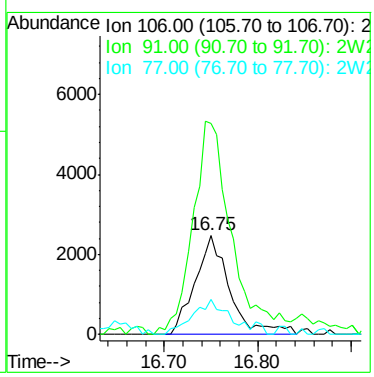




#72
o-XYLENE
Concen: 0.12 PPBV
RT: 16.75 min Scan# 1954
Delta R.T. 0.00 min
Lab File: 2W27124.D
Acq: 5 May 2010 11:25 pm

Tgt Ion:106 Resp: 6390

Ion	Ratio	Lower	Upper
106	100		
91	242.2	181.1	221.1#
77	40.1	7.9	47.9



ACCUTEST Laboratories JA45062

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/07/10 20:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27125.D Vial: 10
Acq On : 6 May 2010 12:08 am Operator: yunxiac
Sample : ja45062-25 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:06:29 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

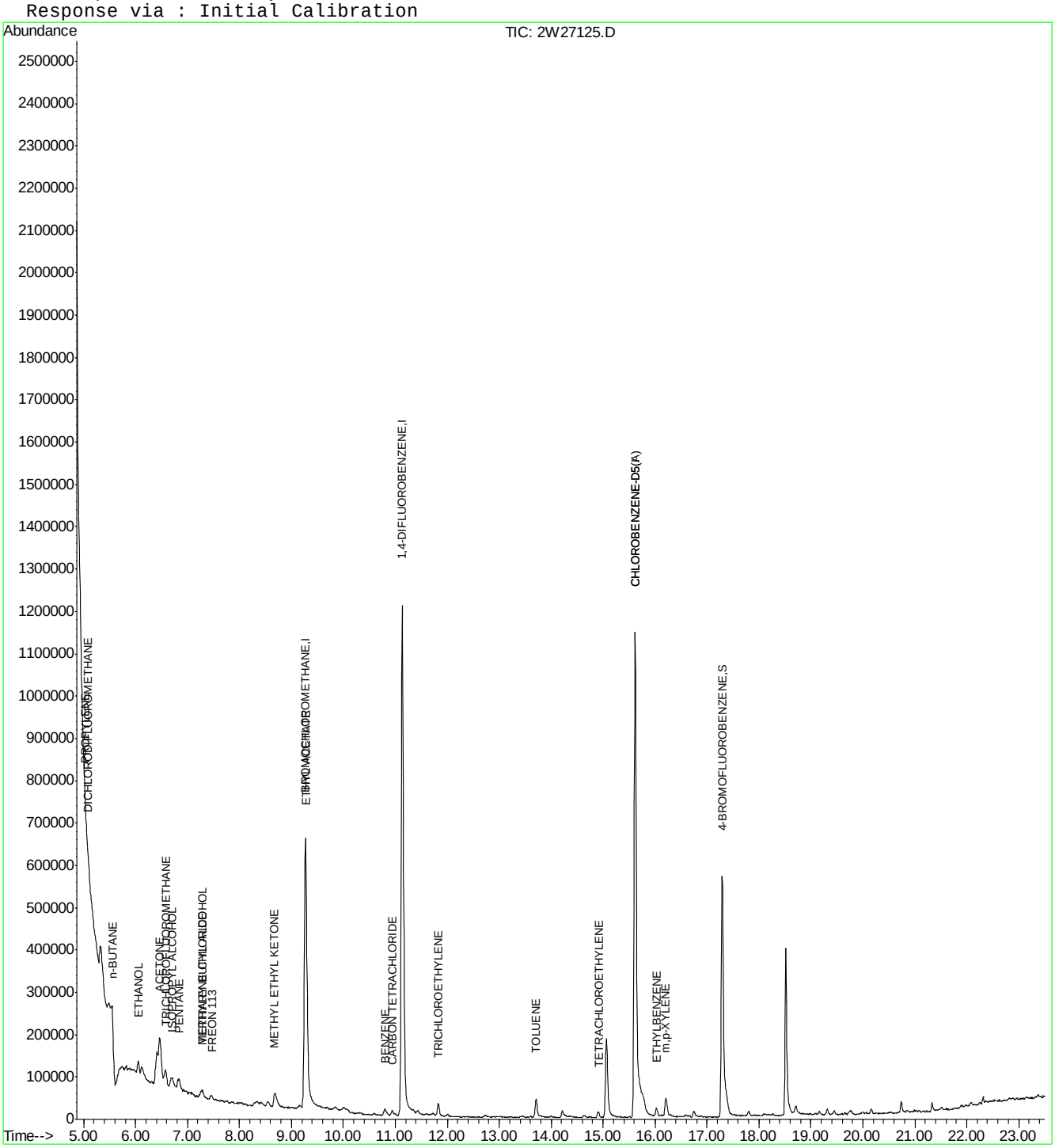
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	250109	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1308897	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	676708	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	676708	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	327787	4.66	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 93.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	107437	0.93	PPBV		96
6) PROPYLENE	5.04	41	10040m	0.20	PPBV		
12) n-BUTANE	5.57	43	33473	0.37	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	66561	0.68	PPBV		100
18) ISOPROPYL ALCOHOL	6.71	45	67170	0.95	PPBV		69
19) ACETONE	6.47	58	75829	3.88	PPBV	#	24
20) PENTANE	6.83	42	20364	0.40	PPBV		87
25) ETHANOL	6.07	45	101748	5.16	PPBV		93
27) METHYLENE CHLORIDE	7.27	84	8758	0.25	PPBV		87
29) FREON 113	7.48	151	4986	0.10	PPBV	#	1
31) TERTIARY BUTYL ALCOHOL	7.28	59	8719	0.12	PPBV		73
37) METHYL ETHYL KETONE	8.68	72	16313	0.91	PPBV	#	82
39) ETHYL ACETATE	9.28	61	10579	0.93	PPBV	#	14
43) CARBON TETRACHLORIDE	10.93	117	10974	0.13	PPBV		99
46) BENZENE	10.79	78	14424	0.11	PPBV		94
49) TRICHLOROETHYLENE	11.83	95	15952	0.30	PPBV		86
59) TOLUENE	13.71	92	26490	0.32	PPBV		86
64) TETRACHLOROETHYLENE	14.92	164	3238	0.07	PPBV		86
70) ETHYLBENZENE	16.03	91	19405	0.13	PPBV		87
71) m,p-XYLENE	16.21	106	19820m	0.34	PPBV		

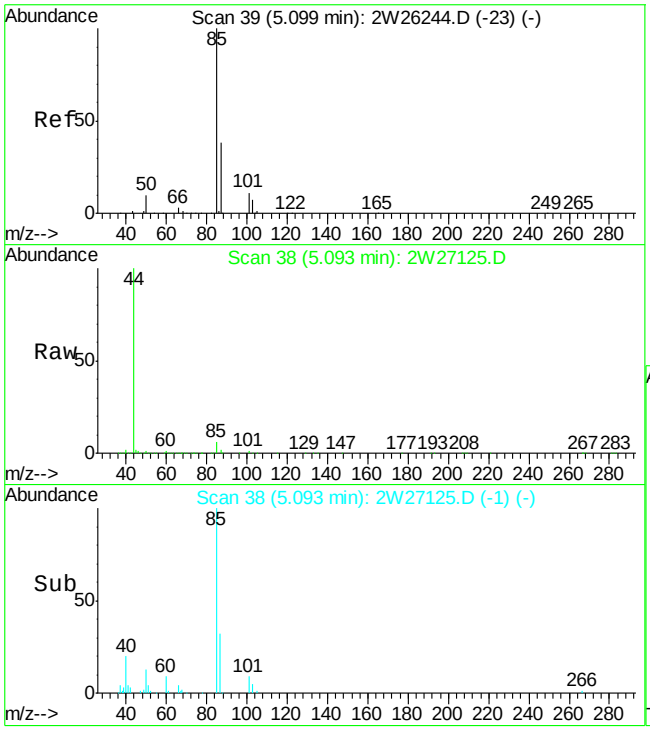
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27125.D Vial: 10
Acq On : 6 May 2010 12:08 am Operator: yunxiac
Sample : ja45062-25 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:14 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

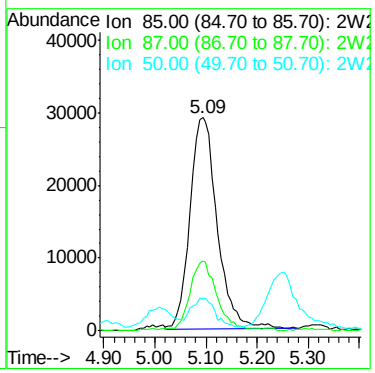


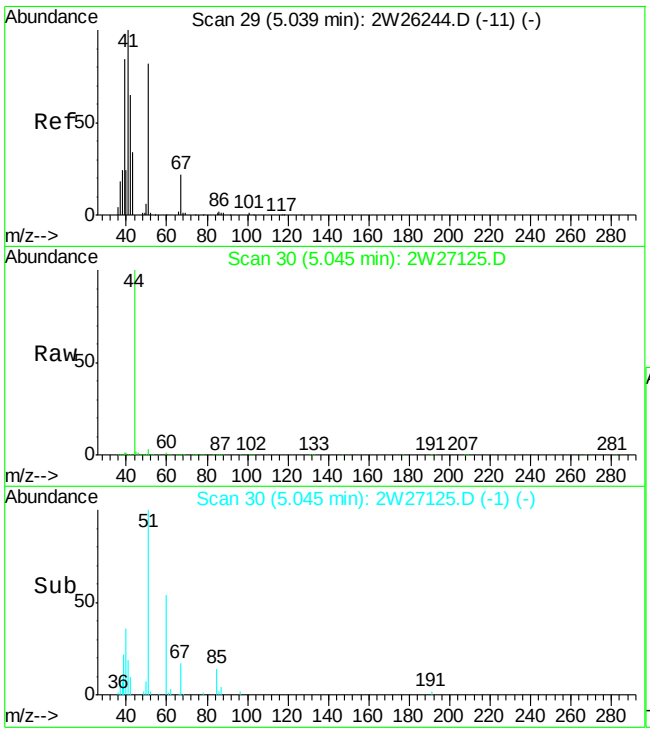


#3
DICHLORODIFLUOROMETHANE
Concen: 0.93 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 85 Resp: 107437

Ion	Ratio	Lower	Upper
85	100		
87	31.5	14.2	54.2
50	12.1	0.0	31.0

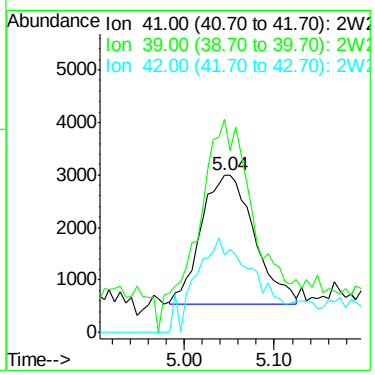


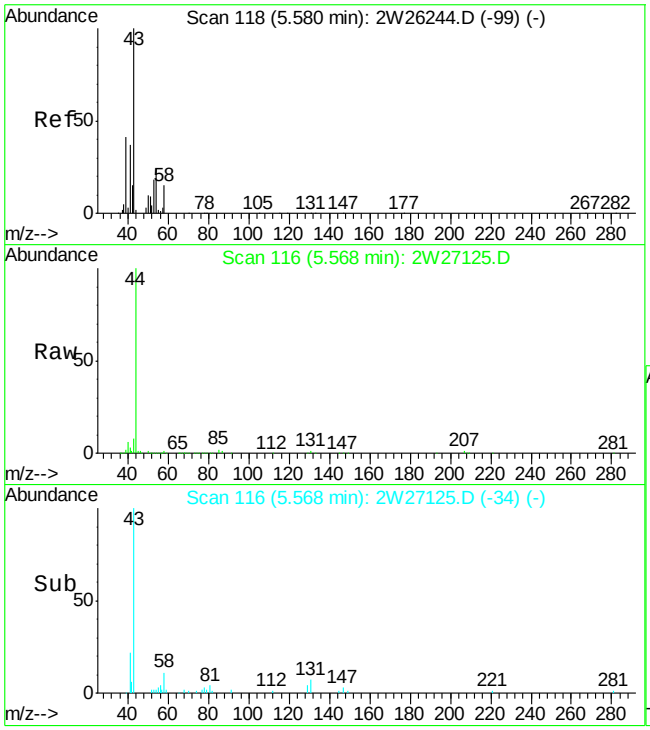


#6
PROPYLENE
Concen: 0.20 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 41 Resp: 10040

Ion	Ratio	Lower	Upper
41	100		
39	135.1	47.9	87.9#
42	49.3	47.3	87.3

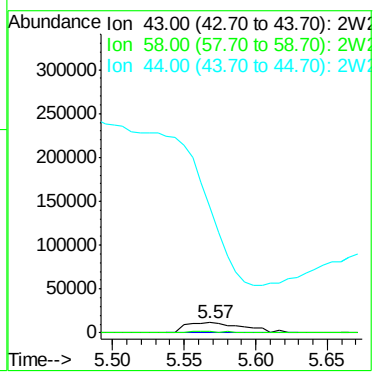


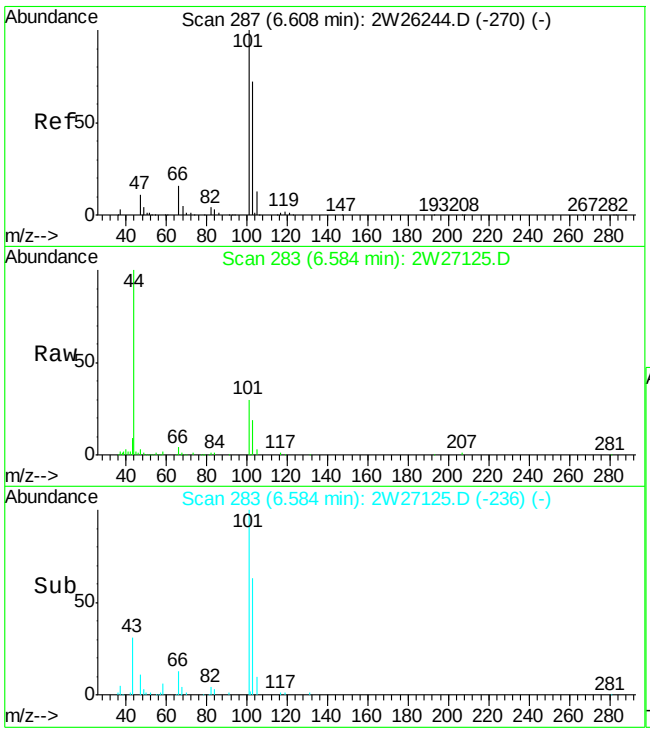


#12
n-BUTANE
Concen: 0.37 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 43 Resp: 33473

Ion	Ratio	Lower	Upper
43	100		
58	13.5	10.6	15.8
44	0.0	2.3	3.5#

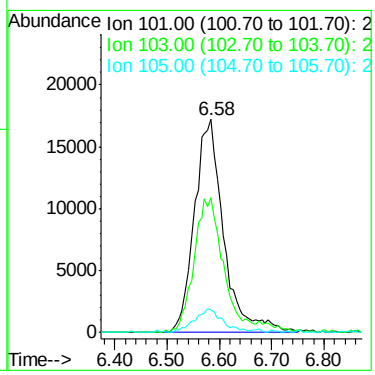


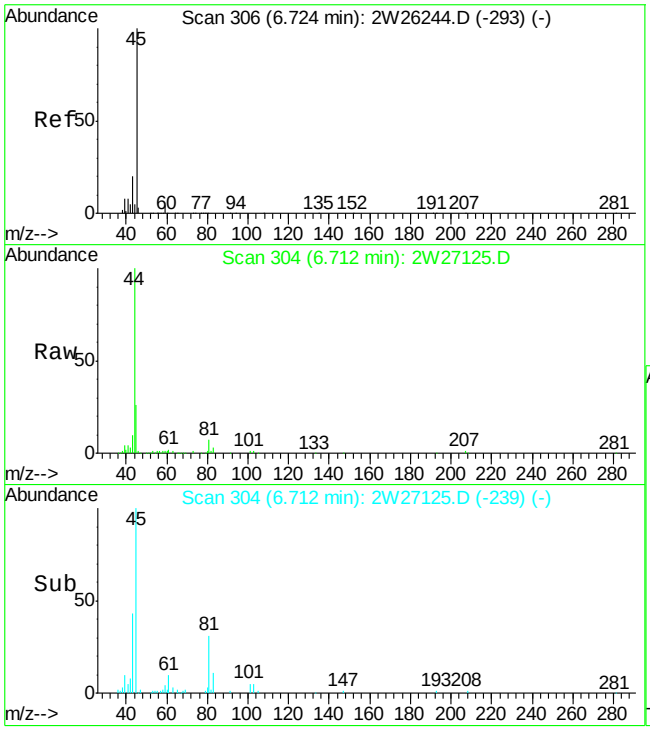


#17
TRICHLOROFLUOROMETHANE
Concen: 0.68 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion:101 Resp: 66561

Ion	Ratio	Lower	Upper
101	100		
103	66.6	46.7	86.7
105	10.7	0.0	31.2

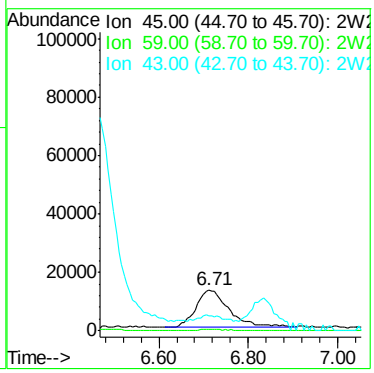


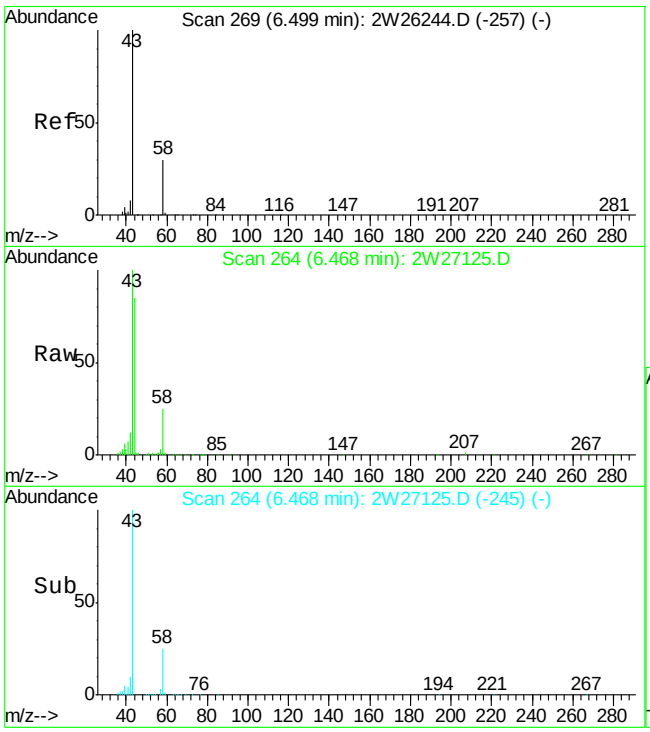


#18
ISOPROPYL ALCOHOL
Concen: 0.95 PPBV
RT: 6.71 min Scan# 304
Delta R.T. 0.04 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 45 Resp: 67170

Ion	Ratio	Lower	Upper
45	100		
59	3.4	0.0	24.1
43	37.2	0.2	40.2

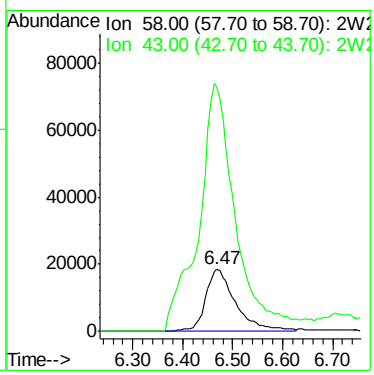




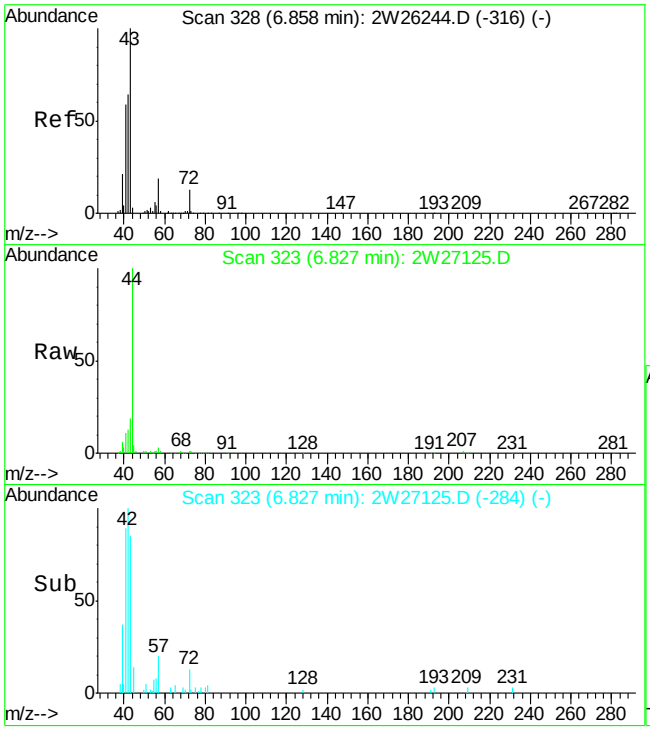
#19
ACETONE
Concen: 3.88 PPBV
RT: 6.47 min Scan# 264
Delta R.T. 0.02 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 58 Resp: 75829

Ion	Ratio	Lower	Upper
58	100		
43	496.0	315.8	355.8#



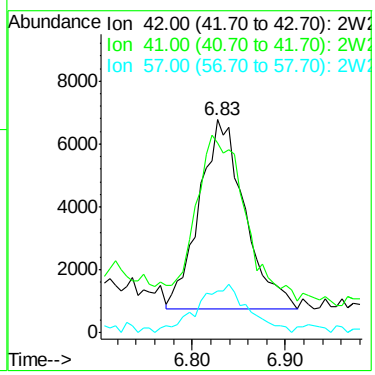
ACCUTEST Laboratories JA45062

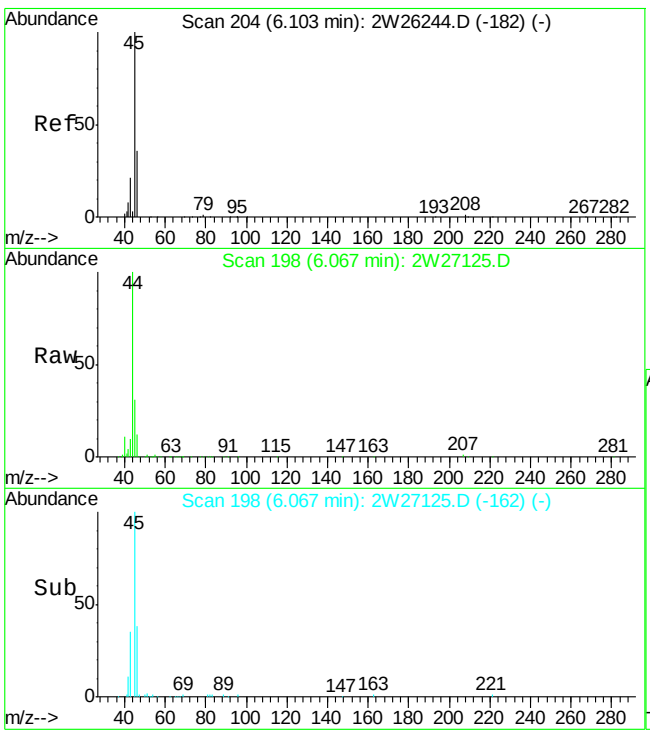


#20
PENTANE
Concen: 0.40 PPBV
RT: 6.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 42 Resp: 20364

Ion	Ratio	Lower	Upper
42	100		
41	102.2	67.5	107.5
57	28.5	6.1	46.1

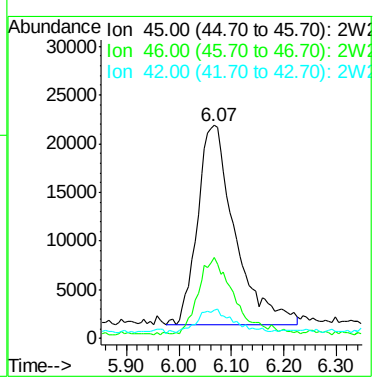


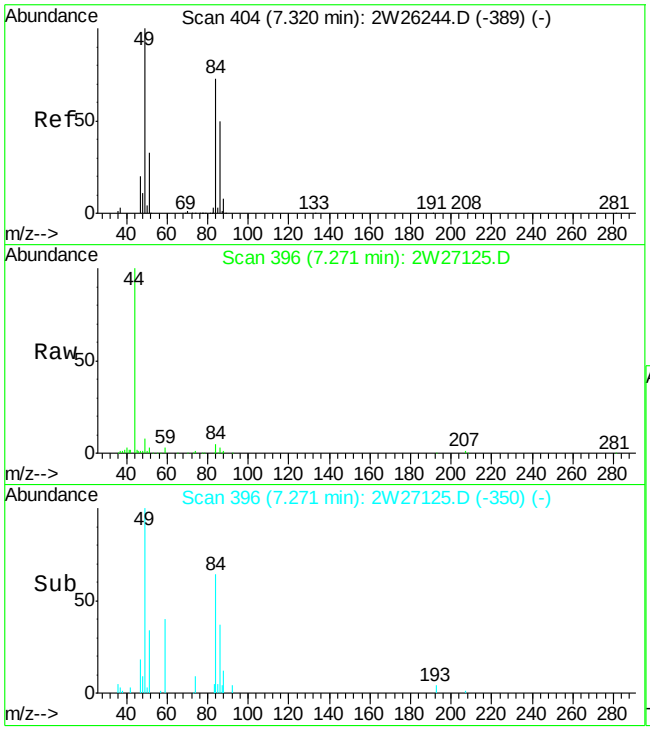


#25
ETHANOL
Concen: 5.16 PPBV
RT: 6.07 min Scan# 198
Delta R.T. 0.02 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 45 Resp: 101748

Ion	Ratio	Lower	Upper
45	100		
46	35.6	9.3	69.3
42	11.0	0.0	37.7

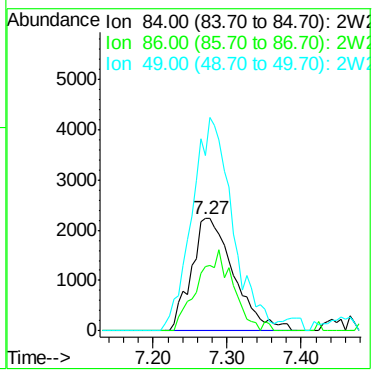


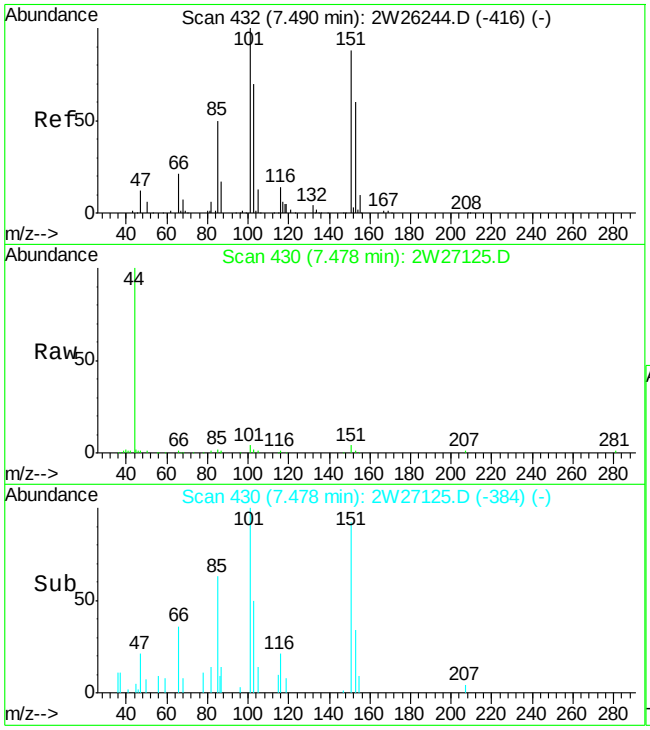


#27
METHYLENE CHLORIDE
Concen: 0.25 PPBV
RT: 7.27 min Scan# 396
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 84 Resp: 8758

Ion	Ratio	Lower	Upper
84	100		
86	59.3	44.9	84.9
49	181.5	0.0	360.7

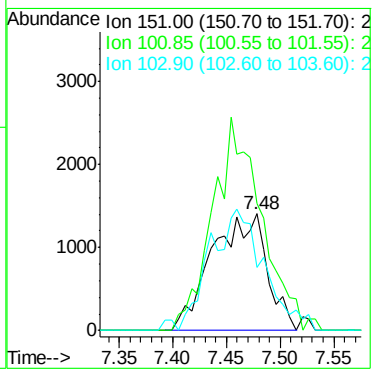


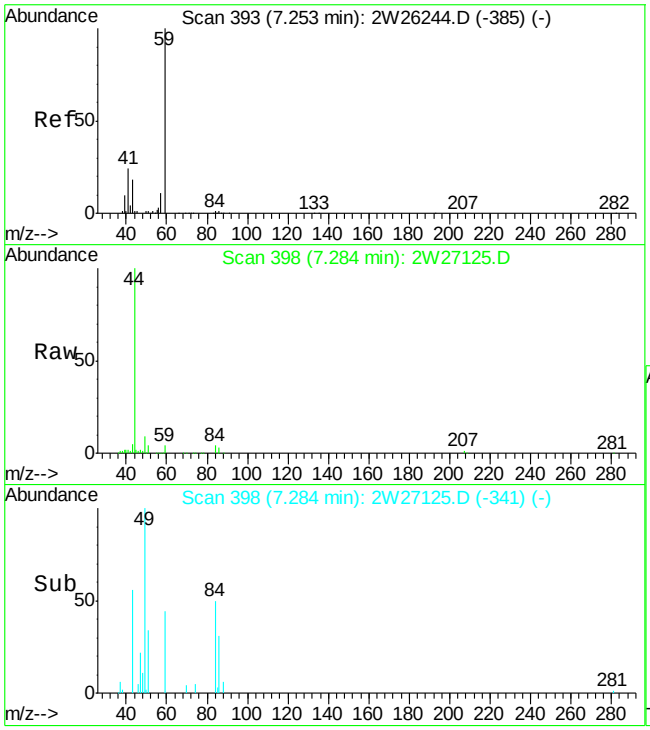


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.48 min Scan# 430
Delta R.T. 0.03 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion:151 Resp: 4986

Ion	Ratio	Lower	Upper
151	100		
101	0.0	124.8	164.8#
103	0.0	75.2	115.2#

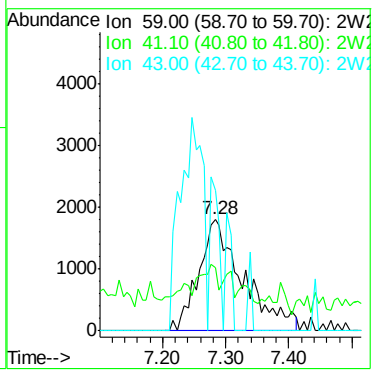


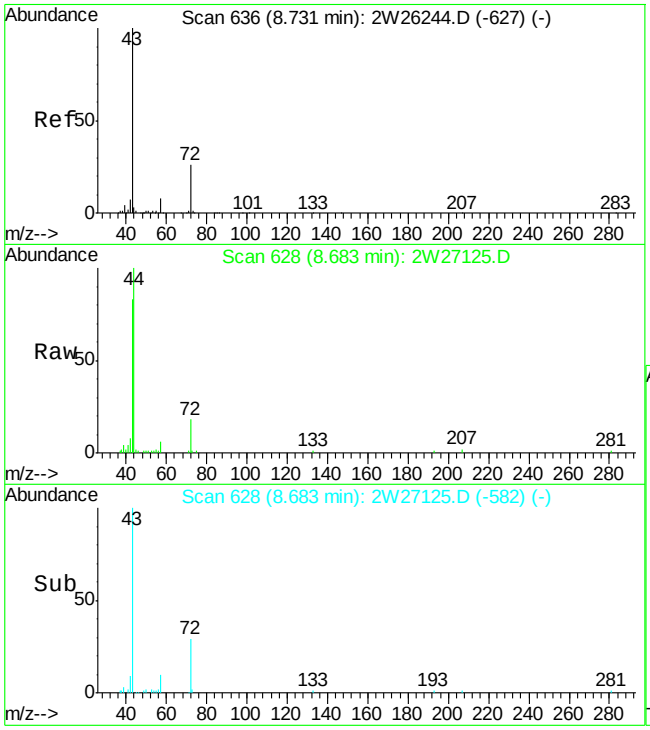


#31
TERTIARY BUTYL ALCOHOL
Concen: 0.12 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.10 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 59 Resp: 8719

Ion	Ratio	Lower	Upper
59	100		
41	9.9	0.0	39.6
43	27.3	0.0	33.6

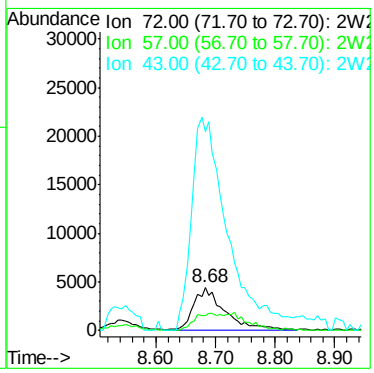


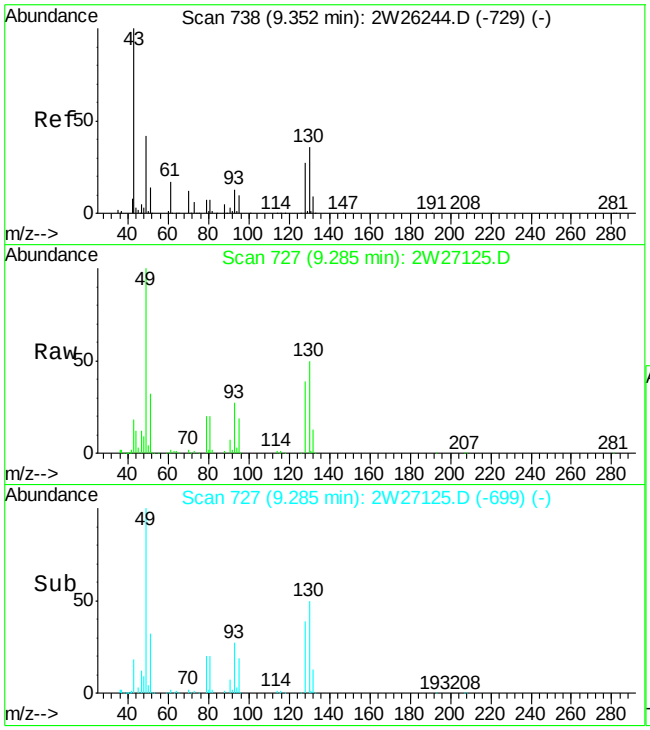


#37
METHYL ETHYL KETONE
Concen: 0.91 PPBV
RT: 8.68 min Scan# 628
Delta R.T. 0.03 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 72 Resp: 16313

Ion	Ratio	Lower	Upper
72	100		
57	33.8	13.8	53.8
43	457.2	389.3	429.3#

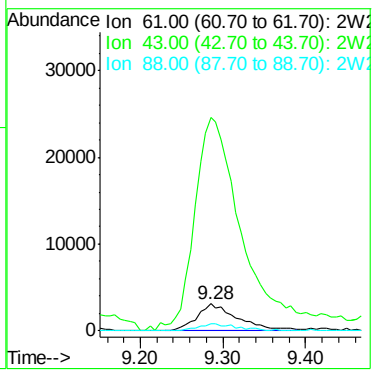


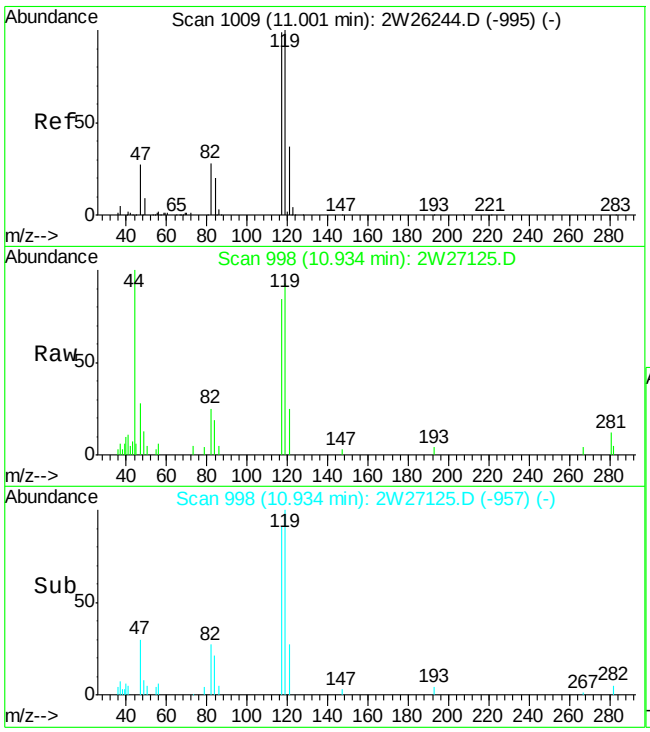


#39
ETHYL ACETATE
Concen: 0.93 PPBV
RT: 9.28 min Scan# 727
Delta R.T. 0.02 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 61 Resp: 10579

Ion	Ratio	Lower	Upper
61	100		
43	912.8	606.5	646.5#
88	23.2	4.8	44.8

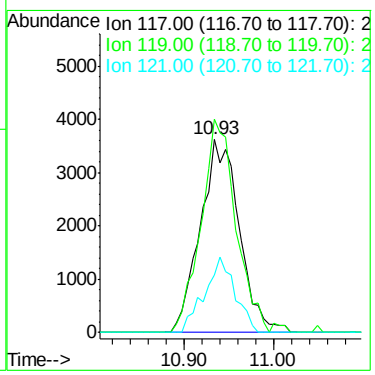




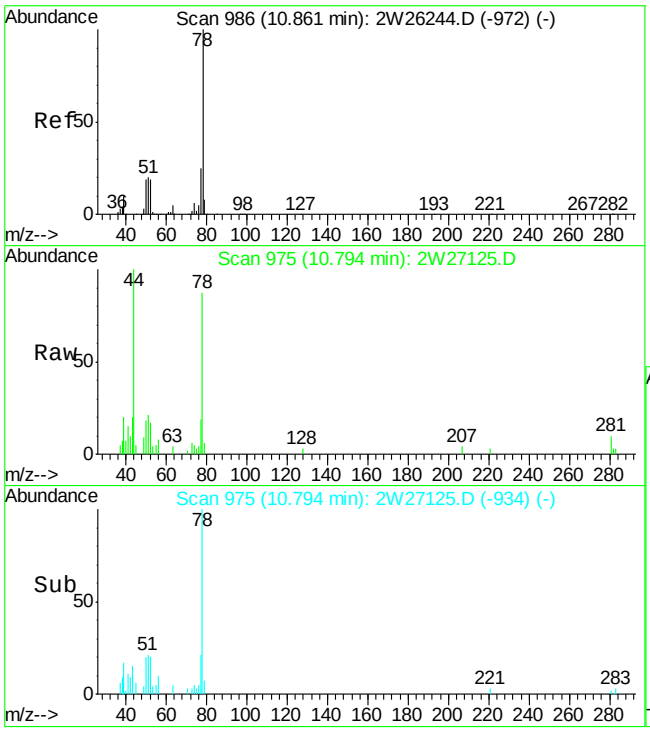
#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.93 min Scan# 998
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion:117 Resp: 10974

Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.0	118.0
121	30.5	12.8	52.8



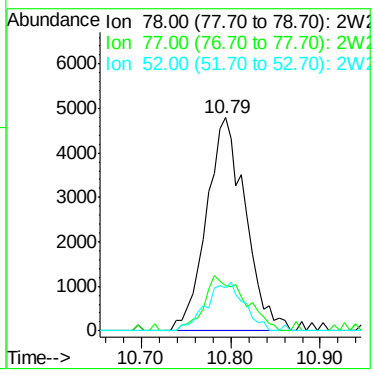
ACCUTEST Laboratories JA45062

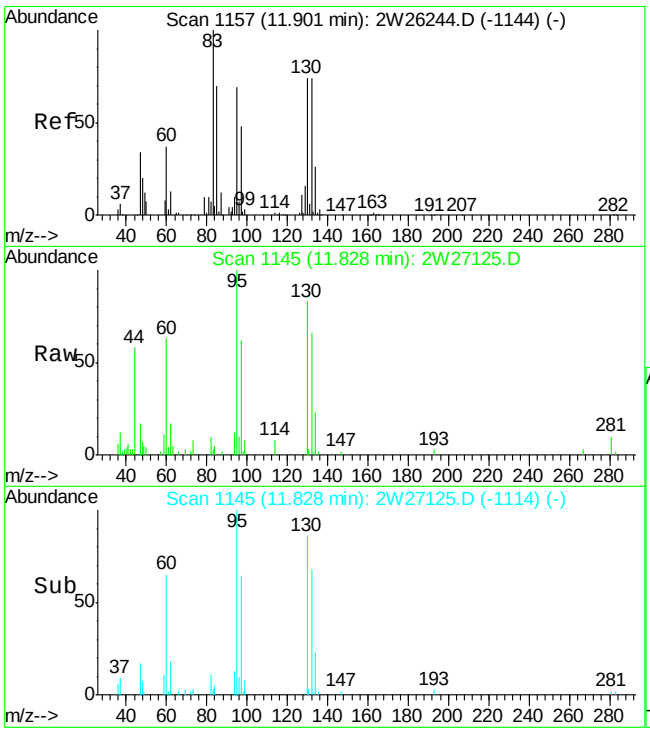


#46
BENZENE
Concen: 0.11 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 78 Resp: 14424

Ion	Ratio	Lower	Upper
78	100		
77	26.9	4.9	44.9
52	22.2	0.0	37.9

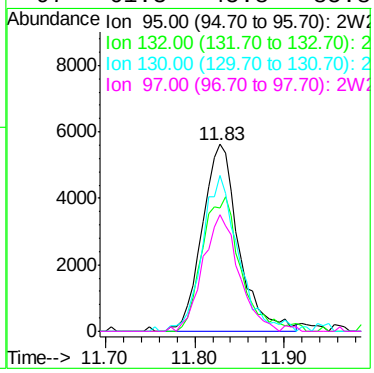


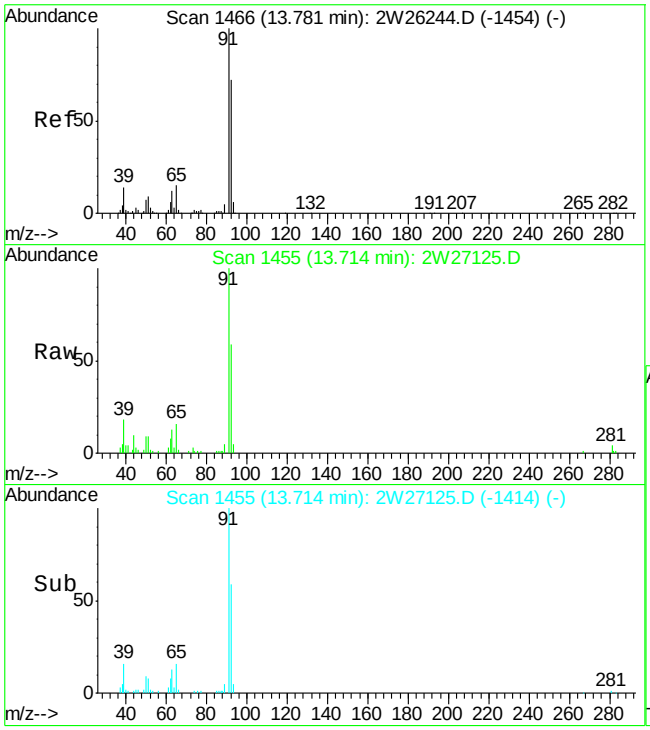


#49
TRICHLOROETHYLENE
Concen: 0.30 PPBV
RT: 11.83 min Scan# 1145
Delta R.T. 0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 95 Resp: 15952

Ion	Ratio	Lower	Upper
95	100		
132	74.7	72.7	112.7
130	81.8	75.6	115.6
97	61.3	45.8	85.8

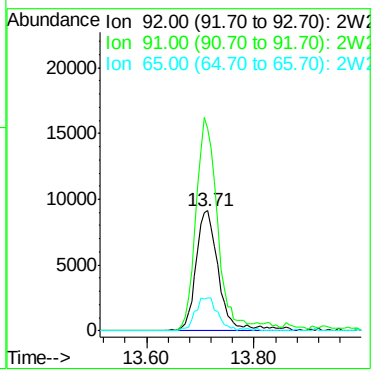


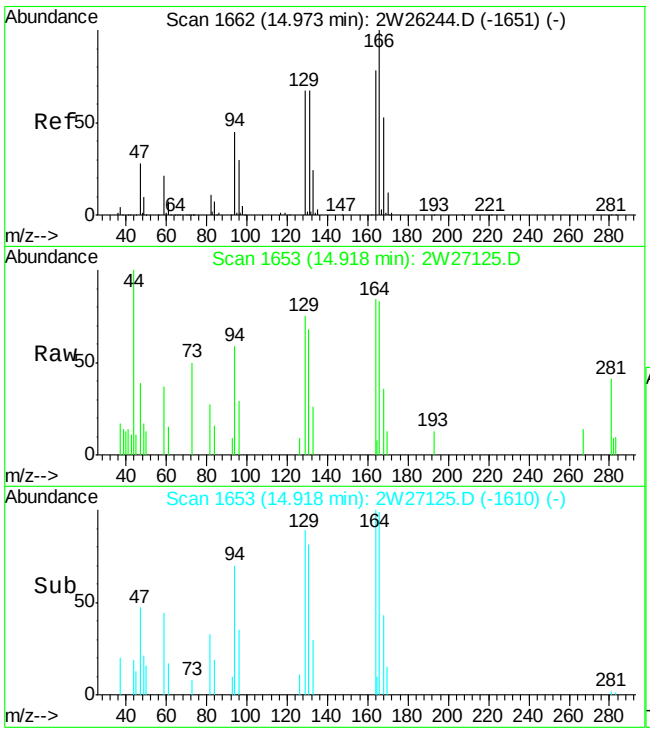


#59
TOLUENE
Concen: 0.32 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 92 Resp: 26490

Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.6	176.6
65	27.1	0.9	40.9

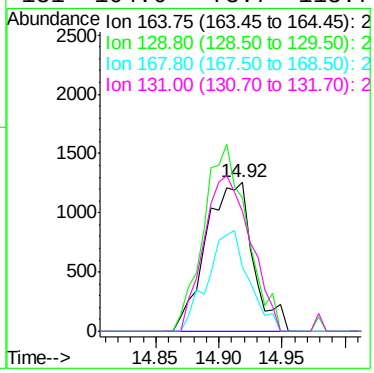


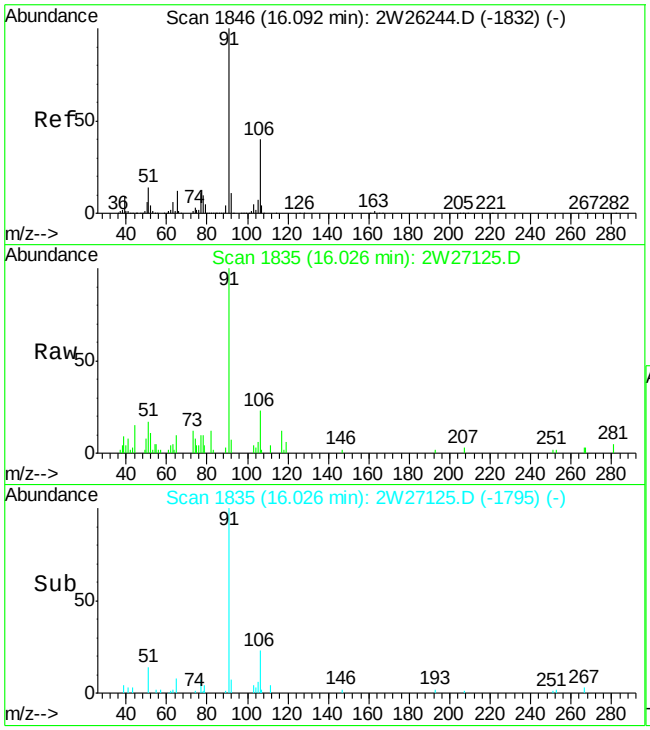


#64
TETRACHLOROETHYLENE
Concen: 0.07 PPBV
RT: 14.92 min Scan# 1653
Delta R.T. 0.01 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion:164 Resp: 3238

Ion	Ratio	Lower	Upper
164	100		
129	116.2	76.6	116.6
168	58.8	44.5	84.5
131	104.6	73.7	113.7

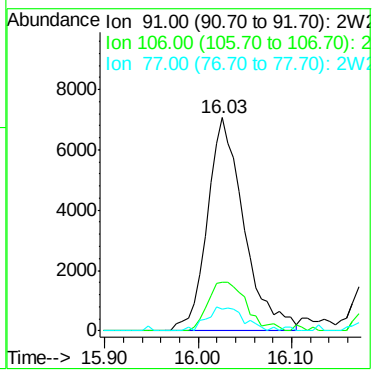


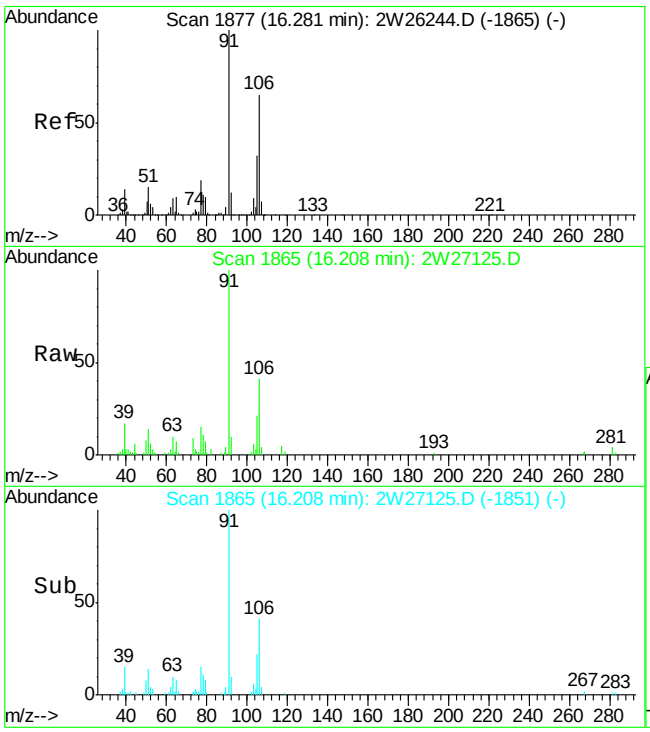


#70
ETHYLBENZENE
Concen: 0.13 PPBV
RT: 16.03 min Scan# 1835
Delta R.T. -0.01 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion: 91 Resp: 19405

Ion	Ratio	Lower	Upper
91	100		
106	24.2	13.5	53.5
77	11.0	0.0	29.7

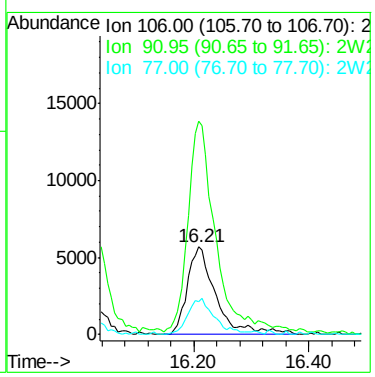




#71
m,p-XYLENE
Concen: 0.34 PPBV m
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27125.D
Acq: 6 May 2010 12:08 am

Tgt Ion:106 Resp: 19820

Ion	Ratio	Lower	Upper
106	100		
91	244.0	138.6	207.8#
77	37.0	23.5	35.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27126.D Vial: 11
Acq On : 6 May 2010 12:51 am Operator: yunxiac
Sample : ja45062-26 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:06:35 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

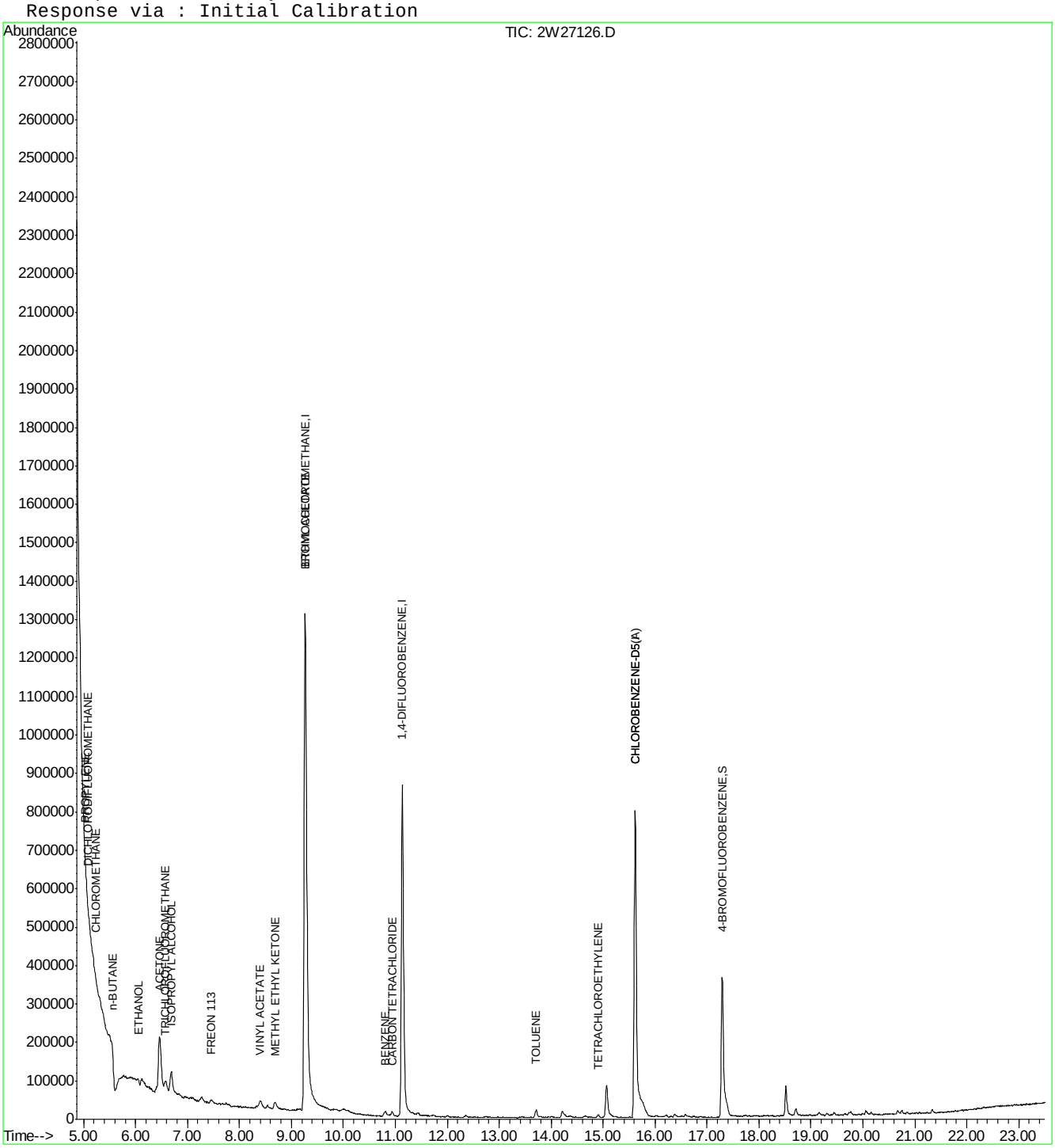
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	183393	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	926314	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	476492	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	476492	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	216422	4.37	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	78201	0.93	PPBV		99
6) PROPYLENE	5.04	41	7584	0.21	PPBV	#	49
9) CHLOROMETHANE	5.24	52	10464	0.75	PPBV	#	71
12) n-BUTANE	5.57	43	14392	0.22	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	47031	0.66	PPBV		99
18) ISOPROPYL ALCOHOL	6.69	45	44342	0.85	PPBV		75
19) ACETONE	6.46	58	100855	7.04	PPBV	#	56
25) ETHANOL	6.07	45	38968	2.69	PPBV		88
29) FREON 113	7.45	151	4292	0.12	PPBV	#	81
35) VINYL ACETATE	8.40	86	4578	0.76	PPBV	#	69
37) METHYL ETHYL KETONE	8.69	72	6915	0.53	PPBV	#	33
39) ETHYL ACETATE	9.26	61	274113	32.90	PPBV	#	71
43) CARBON TETRACHLORIDE	10.93	117	10891	0.18	PPBV		97
46) BENZENE	10.81	78	12119	0.13	PPBV		95
59) TOLUENE	13.71	92	11818	0.20	PPBV	#	83
64) TETRACHLOROETHYLENE	14.91	164	1456	0.04	PPBV	#	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27126.D M2W1138.M Thu May 06 10:35:18 2010 MS2W

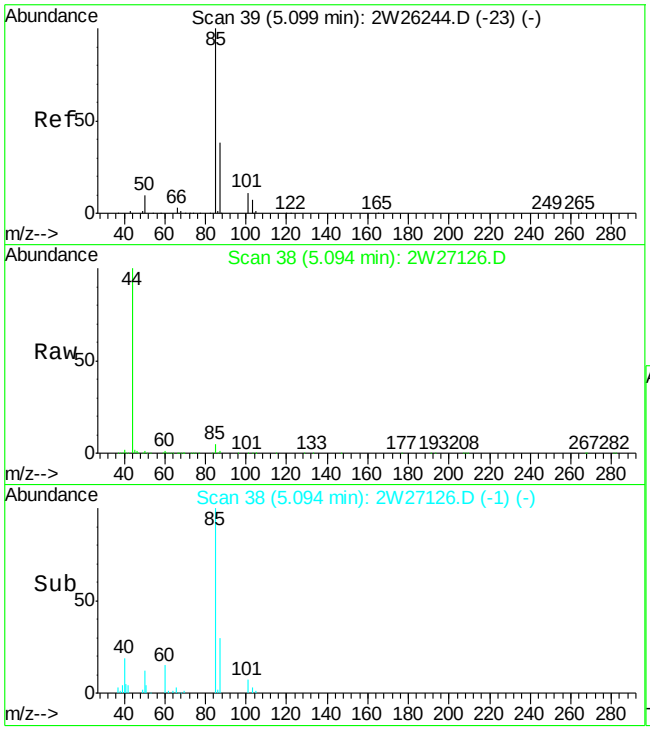
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27126.D Vial: 11
Acq On : 6 May 2010 12:51 am Operator: yunxiac
Sample : ja45062-26 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:17 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



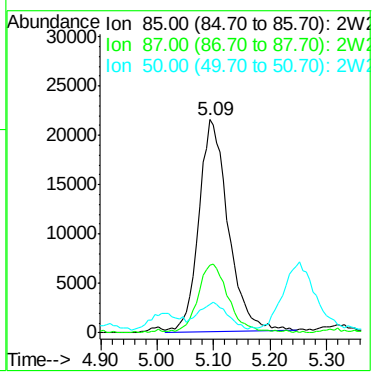
ACCUTEST Laboratories JA45062

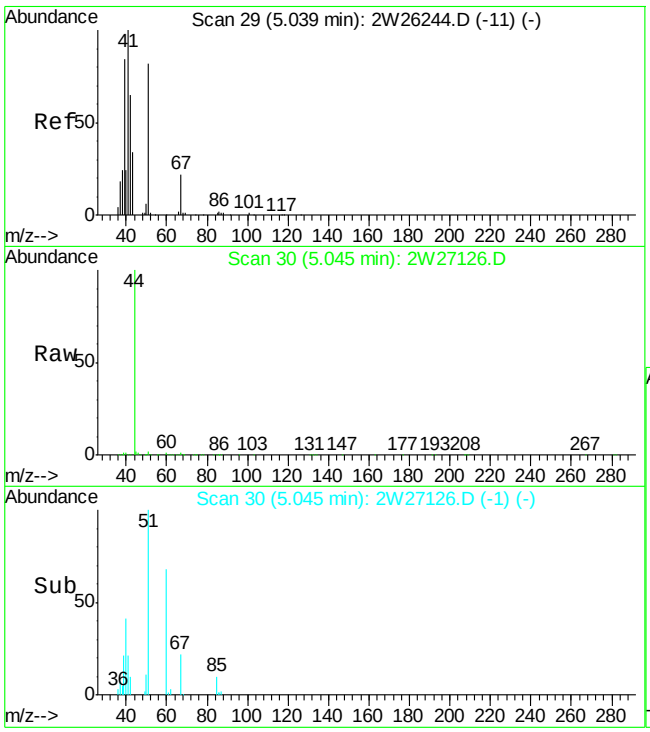


#3
DICHLORODIFLUOROMETHANE
Concen: 0.93 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 85 Resp: 78201

Ion	Ratio	Lower	Upper
85	100		
87	34.1	14.2	54.2
50	12.3	0.0	31.0

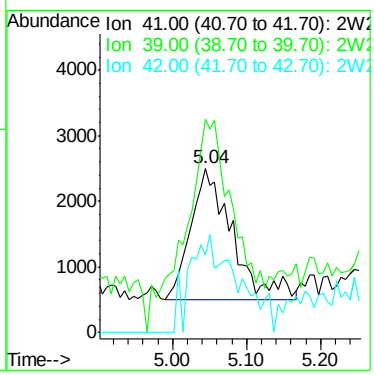




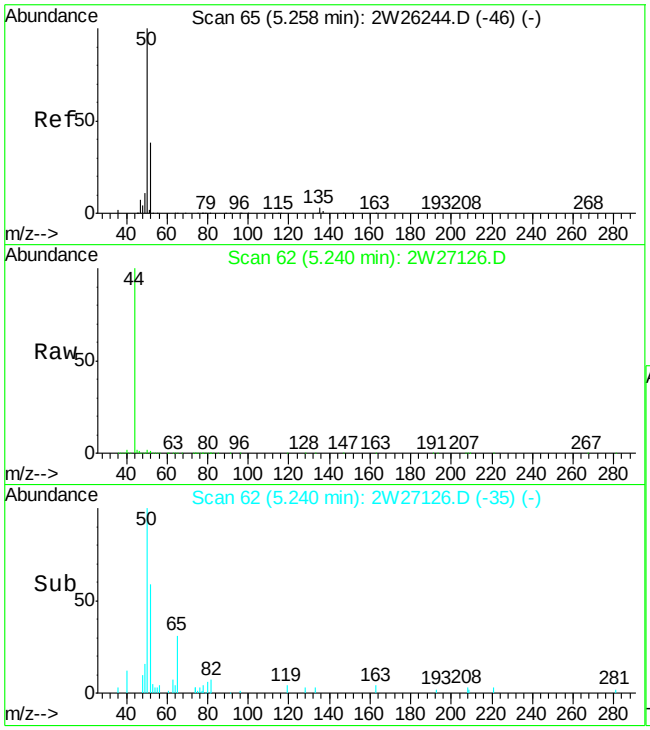
#6
PROPYLENE
Concen: 0.21 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 41 Resp: 7584

Ion	Ratio	Lower	Upper
41	100		
39	129.6	47.9	87.9#
42	47.0	47.3	87.3#



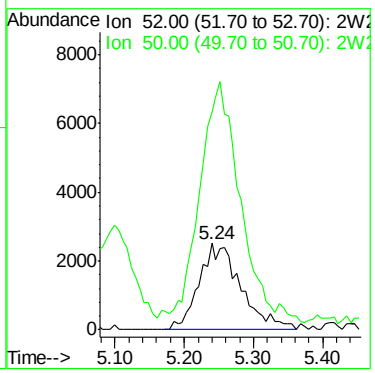
ACCUTEST Laboratories JA45062

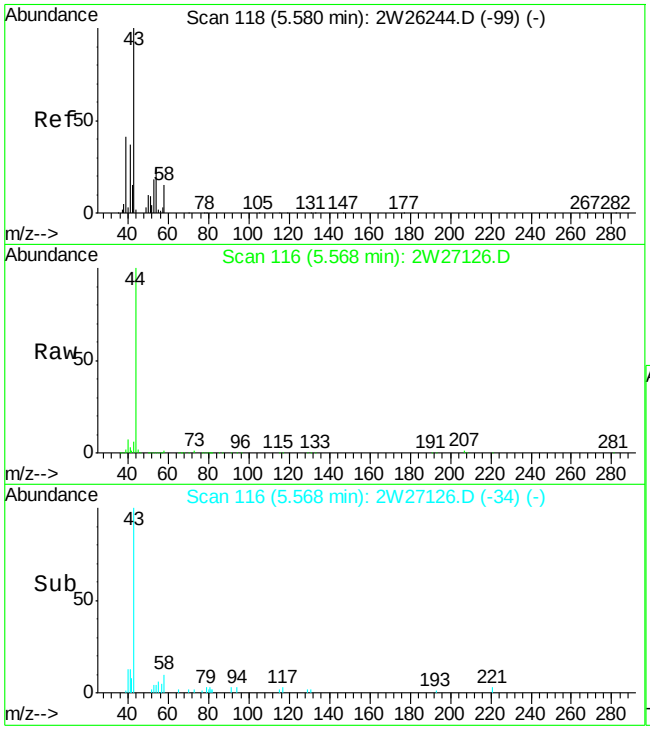


#9
CHLOROMETHANE
Concen: 0.75 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 52 Resp: 10464

Ion	Ratio	Lower	Upper
52	100		
50	234.0	268.7	308.7#

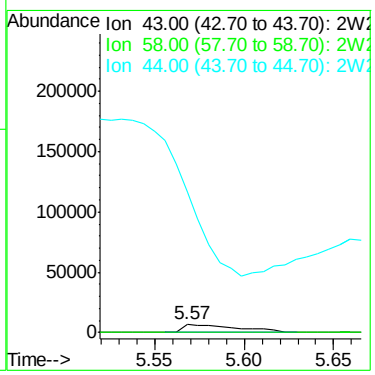


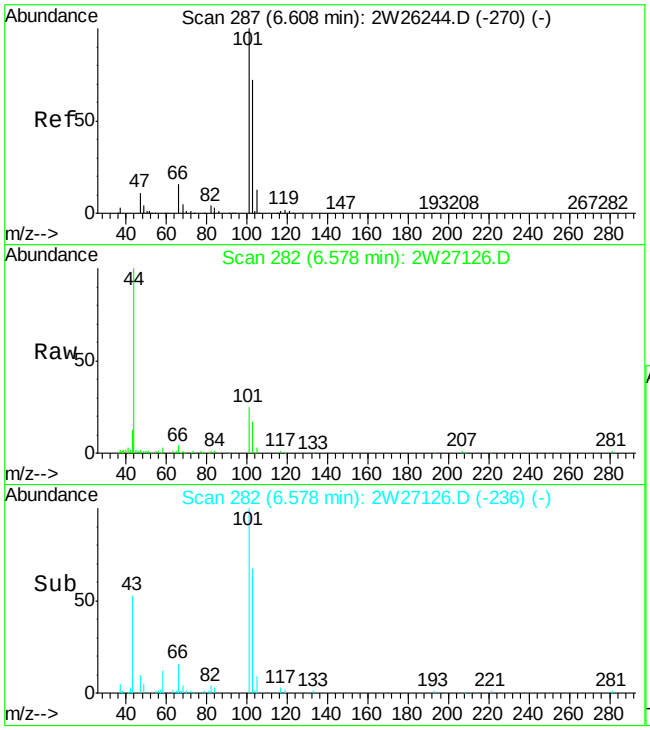


#12
n-BUTANE
Concen: 0.22 PPBV
RT: 5.57 min Scan# 116
Delta R.T. 0.00 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 43 Resp: 14392

Ion	Ratio	Lower	Upper
43	100		
58	13.1	10.6	15.8
44	0.0	2.3	3.5#

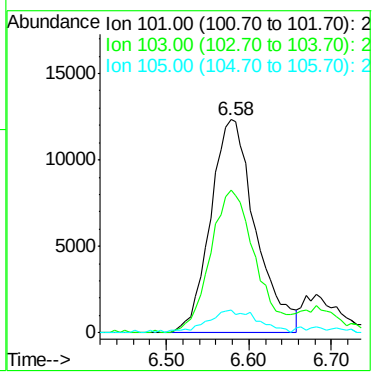


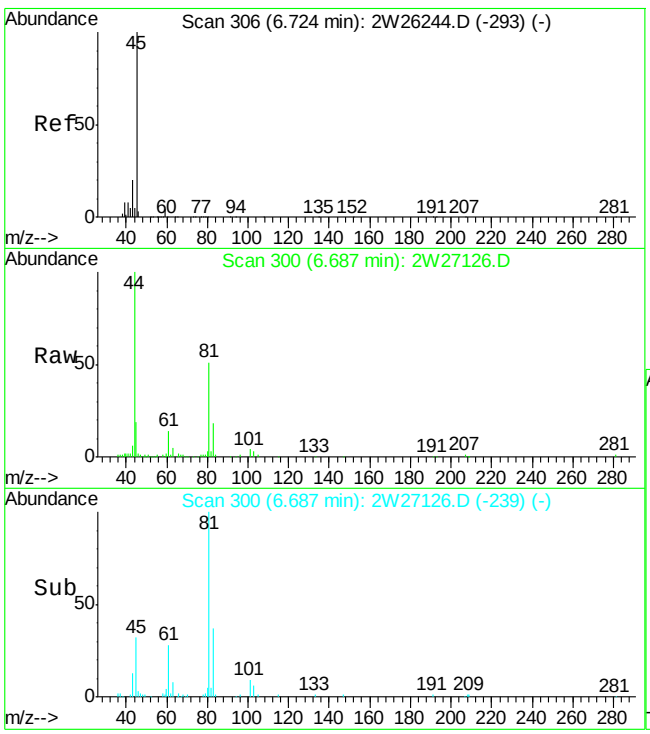


#17
TRICHLOROFLUOROMETHANE
Concen: 0.66 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion:101 Resp: 47031

Ion	Ratio	Lower	Upper
101	100		
103	67.7	46.7	86.7
105	12.0	0.0	31.2

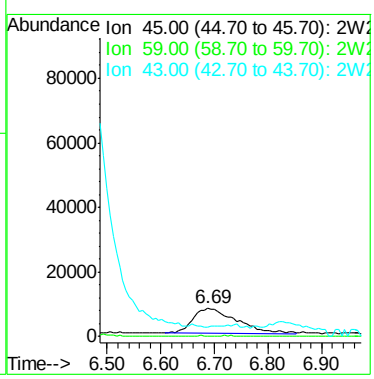


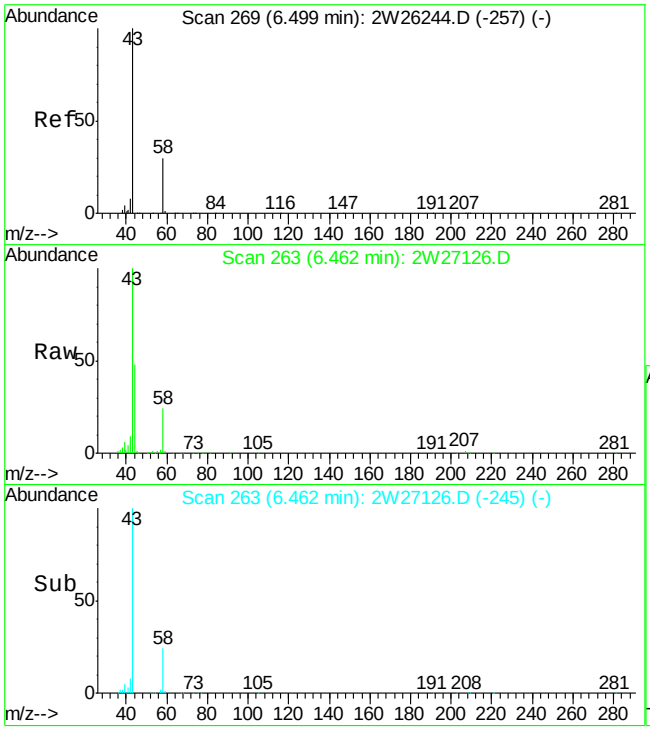


#18
ISOPROPYL ALCOHOL
Concen: 0.85 PPBV
RT: 6.69 min Scan# 300
Delta R.T. 0.02 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 45 Resp: 44342

Ion	Ratio	Lower	Upper
45	100		
59	1.9	0.0	24.1
43	33.5	0.2	40.2

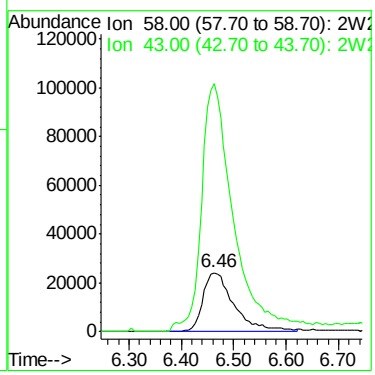


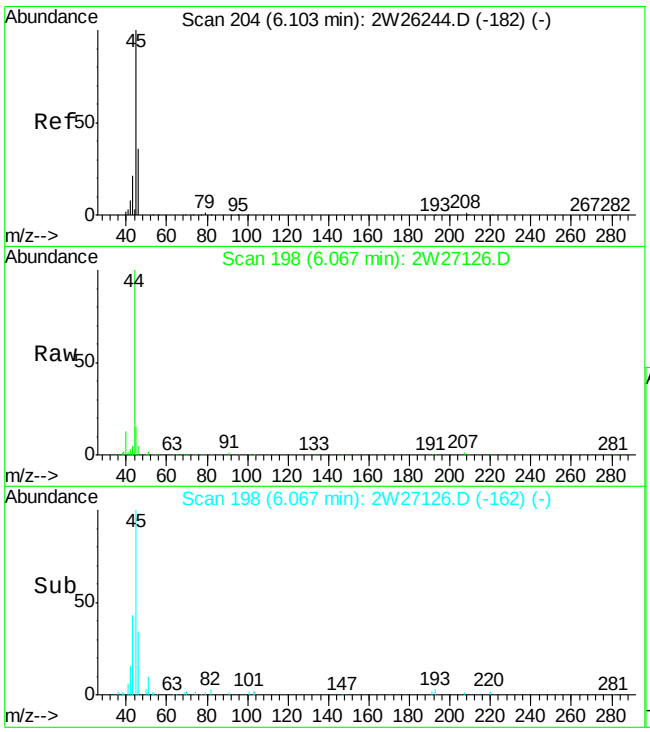


#19
ACETONE
Concen: 7.04 PPBV
RT: 6.46 min Scan# 263
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 58 Resp: 100855

Ion	Ratio	Lower	Upper
58	100		
43	428.5	315.8	355.8#

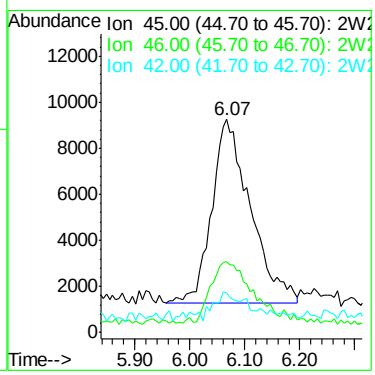


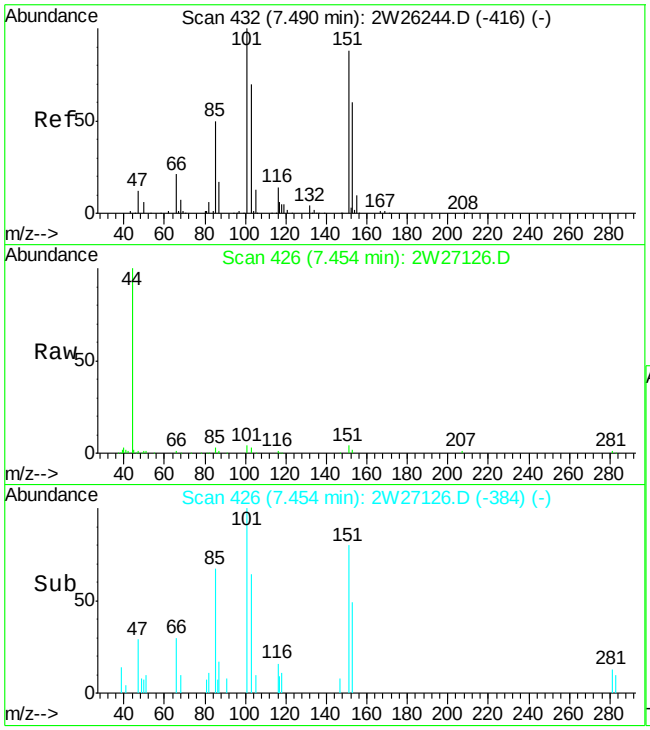


#25
ETHANOL
Concen: 2.69 PPBV
RT: 6.07 min Scan# 198
Delta R.T. 0.02 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 45 Resp: 38968

Ion	Ratio	Lower	Upper
45	100		
46	33.1	9.3	69.3
42	16.3	0.0	37.7

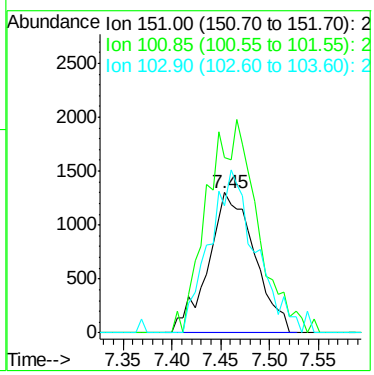


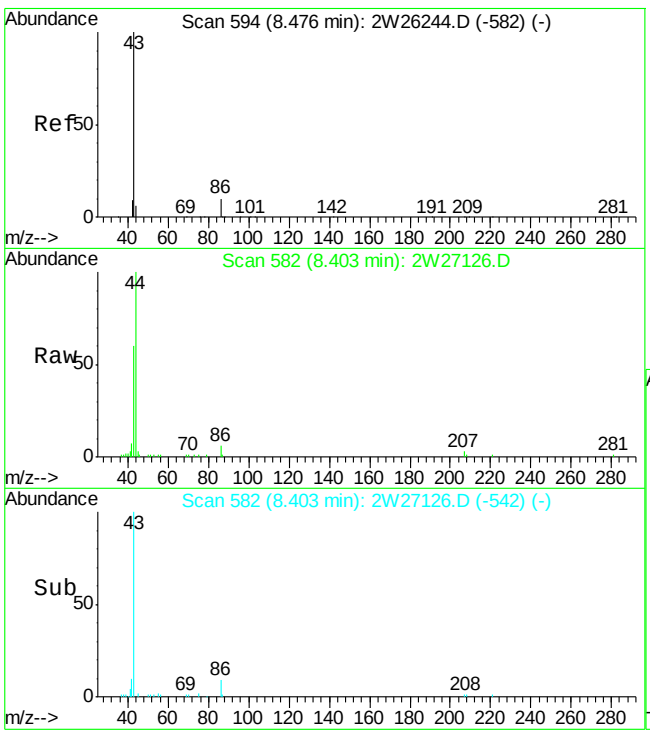


#29
FREON 113
Concen: 0.12 PPBV
RT: 7.45 min Scan# 426
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion:151 Resp: 4292

Ion	Ratio	Lower	Upper
151	100		
101	166.0	124.8	164.8#
103	116.3	75.2	115.2#

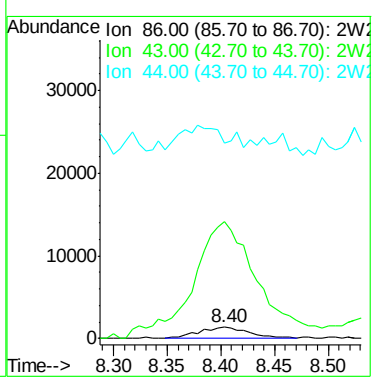




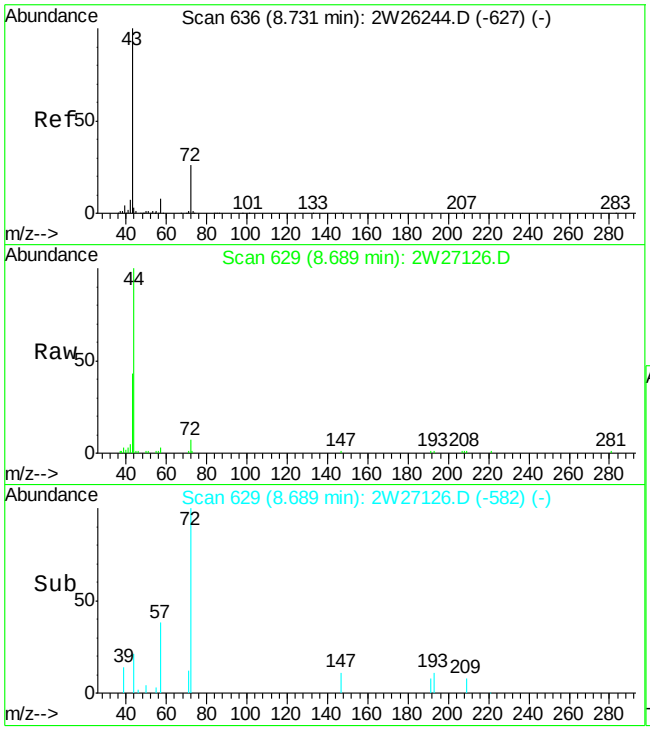
#35
VINYL ACETATE
Concen: 0.76 PPBV
RT: 8.40 min Scan# 582
Delta R.T. -0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 86 Resp: 4578

Ion	Ratio	Lower	Upper
86	100		
43	1344.9	1182.5	1222.5#
44	0.0	43.0	83.0#



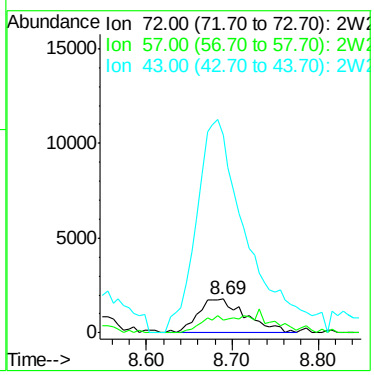
ACCUTEST Laboratories JA45062

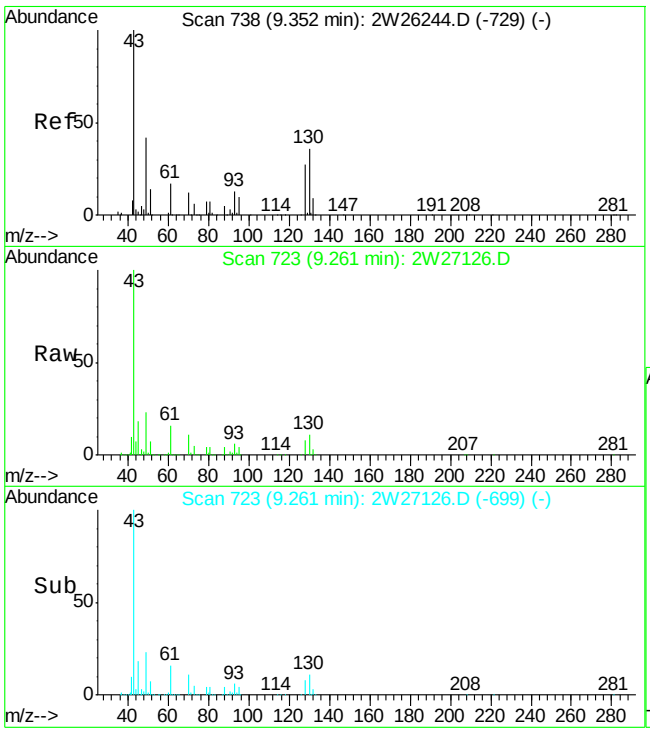


#37
METHYL ETHYL KETONE
Concen: 0.53 PPBV
RT: 8.69 min Scan# 629
Delta R.T. 0.04 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 72 Resp: 6915

Ion	Ratio	Lower	Upper
72	100		
57	37.6	13.8	53.8
43	582.2	389.3	429.3#

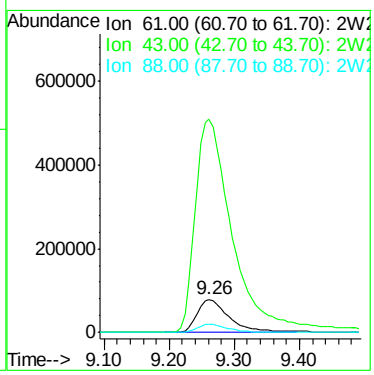




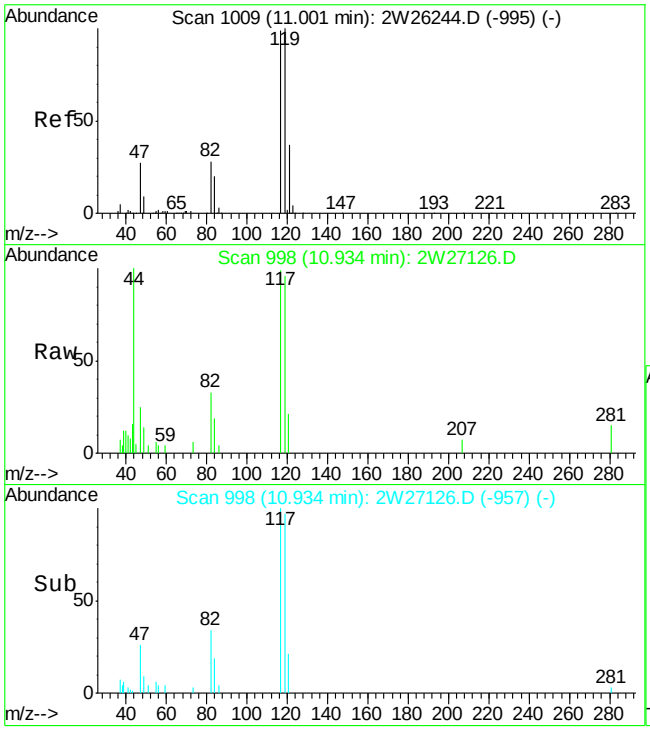
#39
ETHYL ACETATE
Concen: 32.90 PPBV
RT: 9.26 min Scan# 723
Delta R.T. -0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 61 Resp: 274113

Ion	Ratio	Lower	Upper
61	100		
43	722.9	606.5	646.5#
88	25.3	4.8	44.8



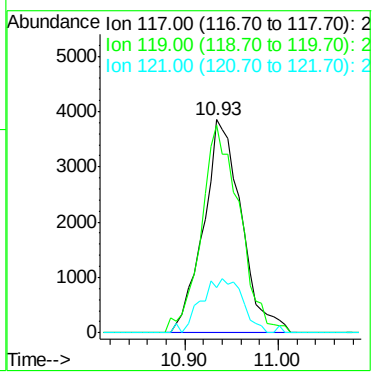
ACCUTEST Laboratories JA45062

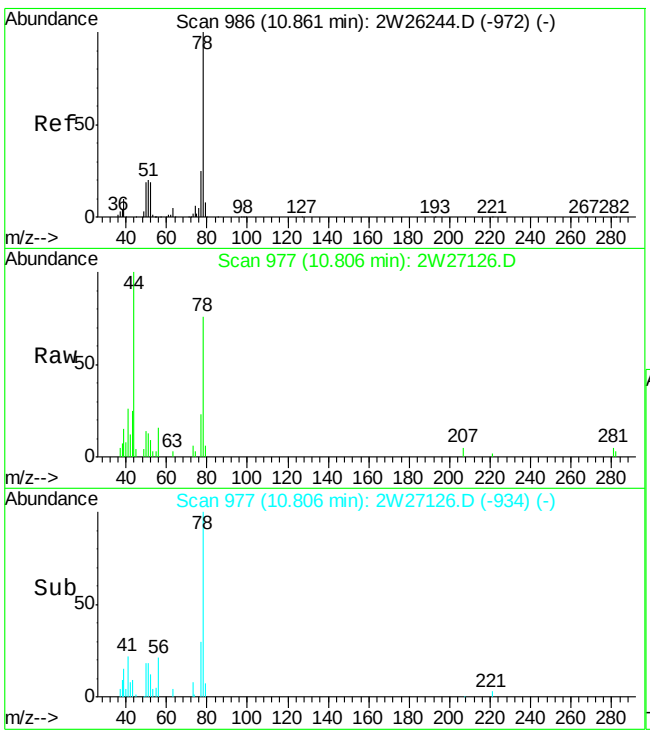


#43
CARBON TETRACHLORIDE
Concen: 0.18 PPBV
RT: 10.93 min Scan# 998
Delta R.T. 0.00 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion:117 Resp: 10891

Ion	Ratio	Lower	Upper
117	100		
119	99.1	78.0	118.0
121	27.8	12.8	52.8

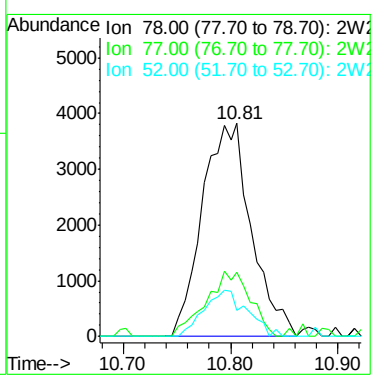


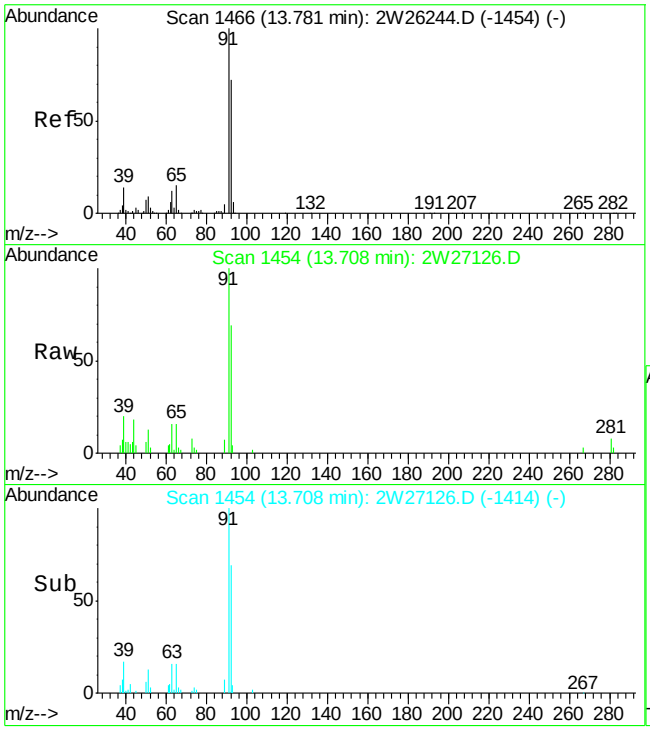


#46
BENZENE
Concen: 0.13 PPBV
RT: 10.81 min Scan# 977
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 78 Resp: 12119

Ion	Ratio	Lower	Upper
78	100		
77	27.8	4.9	44.9
52	19.0	0.0	37.9

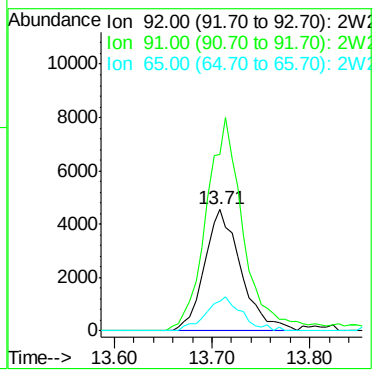


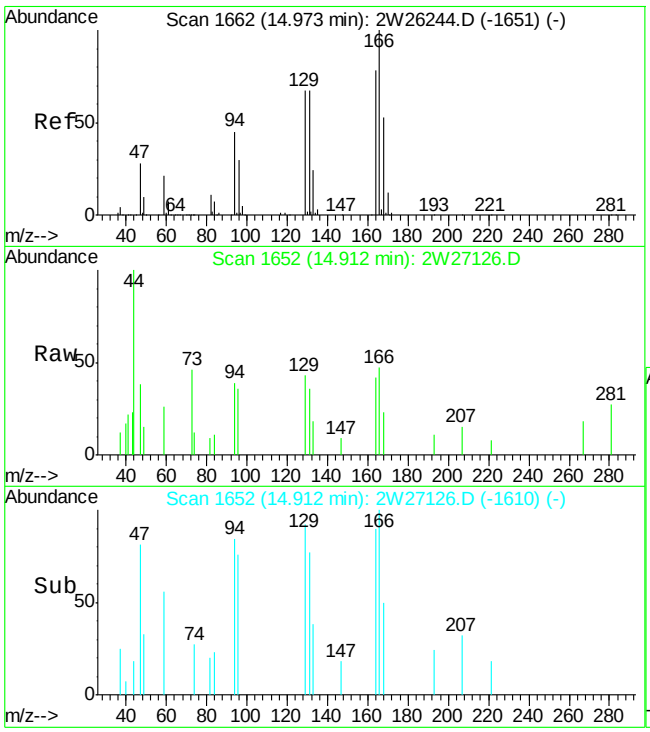


#59
TOLUENE
Concen: 0.20 PPBV
RT: 13.71 min Scan# 1454
Delta R.T. -0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion: 92 Resp: 11818

Ion	Ratio	Lower	Upper
92	100		
91	179.0	136.6	176.6#
65	27.0	0.9	40.9

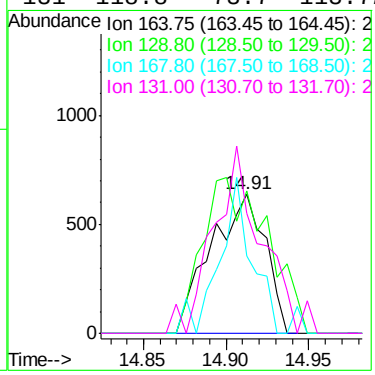




#64
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27126.D
Acq: 6 May 2010 12:51 am

Tgt Ion:164 Resp: 1456

Ion	Ratio	Lower	Upper
164	100		
129	132.3	76.6	116.6#
168	66.5	44.5	84.5
131	118.8	73.7	113.7#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27127.D Vial: 12
Acq On : 6 May 2010 1:33 am Operator: yunxiac
Sample : ja45062-27 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:06:40 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

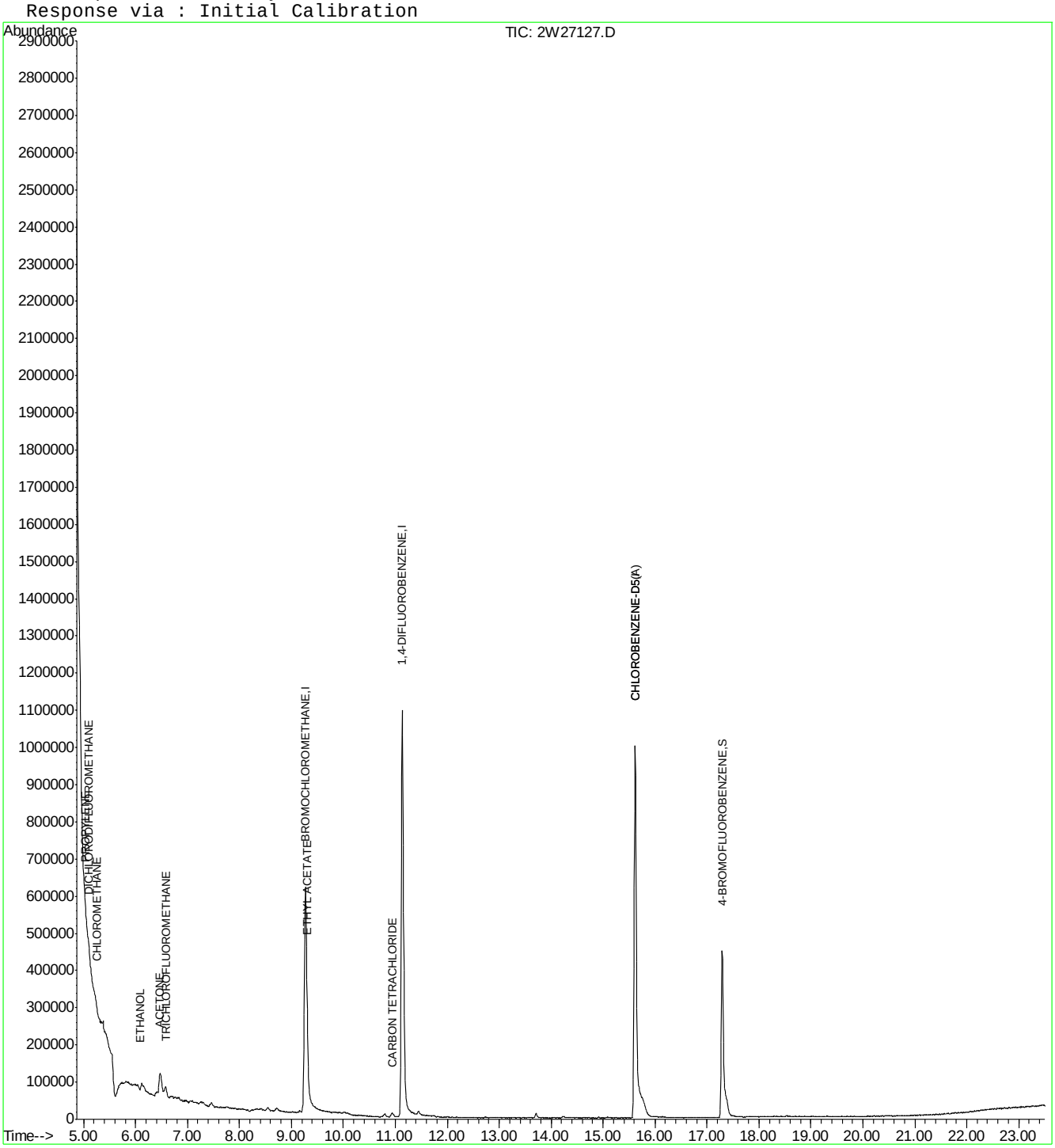
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	237575	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1173081	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	595960	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	595960	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	257648	4.16	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	81632	0.75	PPBV		96
6) PROPYLENE	5.04	41	7166	0.15	PPBV	#	64
9) CHLOROMETHANE	5.26	52	10719	0.59	PPBV		91
17) TRICHLOROFLUOROMETHANE	6.58	101	44254	0.48	PPBV		98
19) ACETONE	6.47	58	48692	2.62	PPBV	#	54
25) ETHANOL	6.09	45	26856	1.43	PPBV		95
39) ETHYL ACETATE	9.30	61	8261	0.77	PPBV	#	24
43) CARBON TETRACHLORIDE	10.95	117	10646	0.13	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

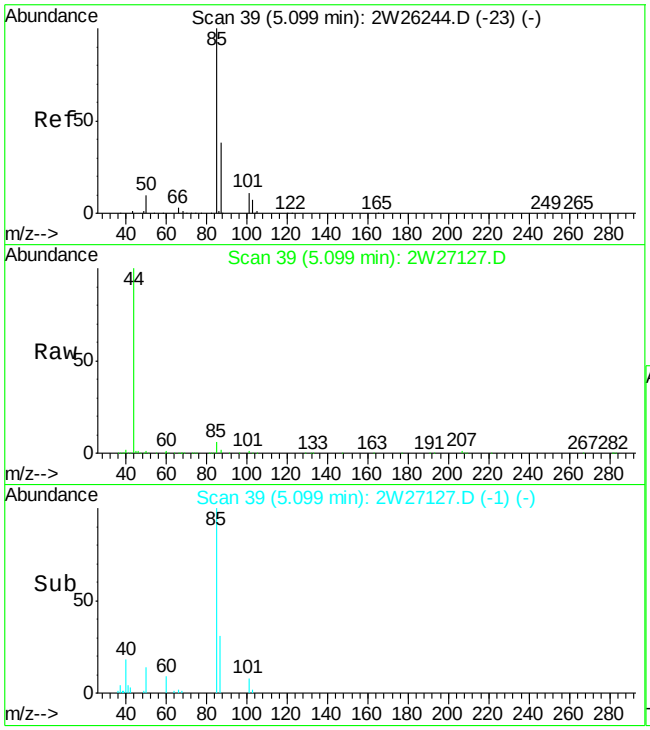
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27127.D Vial: 12
Acq On : 6 May 2010 1:33 am Operator: yunxiac
Sample : ja45062-27 Inst : MS2W
Misc : MS96138,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:18 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



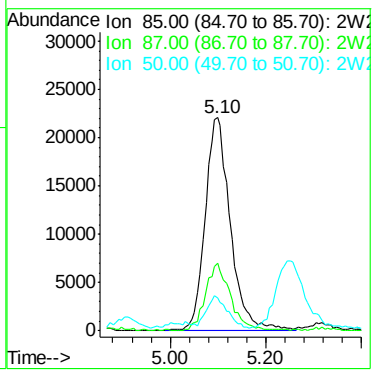
ACCUTEST Laboratories JA45062

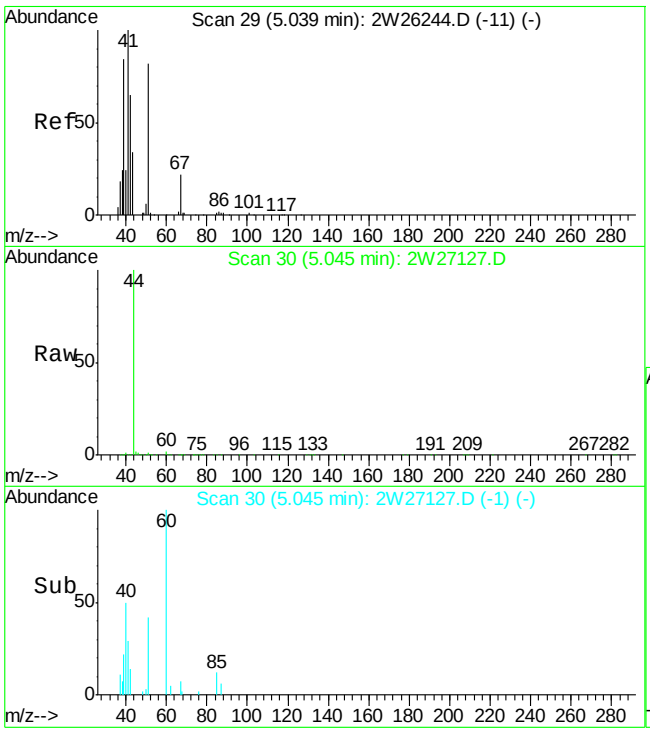


#3
DICHLORODIFLUOROMETHANE
Concen: 0.75 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 85 Resp: 81632

Ion	Ratio	Lower	Upper
85	100		
87	31.9	14.2	54.2
50	12.1	0.0	31.0

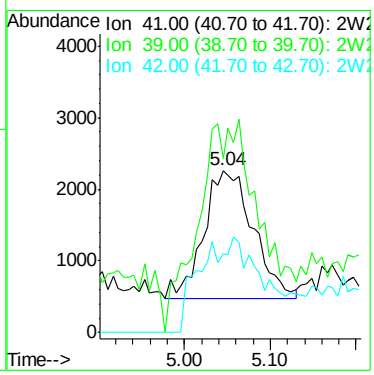


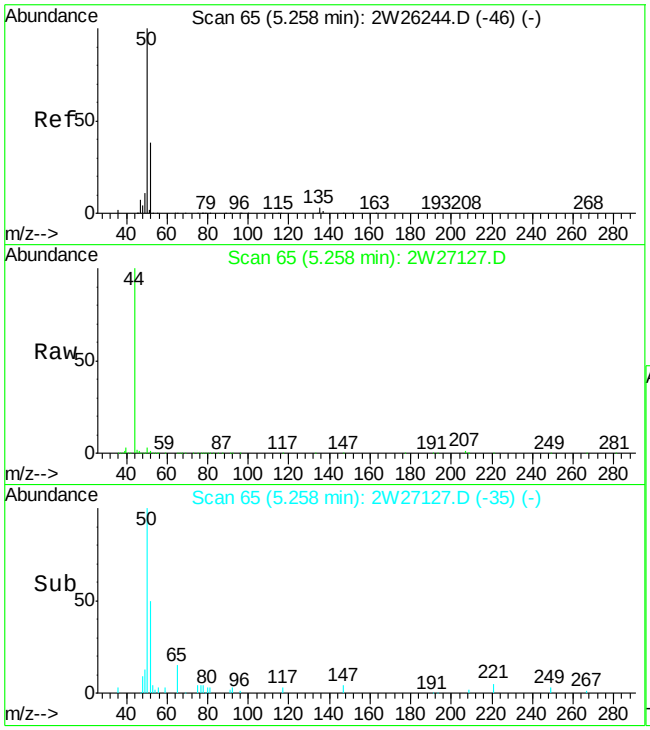


#6
PROPYLENE
Concen: 0.15 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 41 Resp: 7166

Ion	Ratio	Lower	Upper
41	100		
39	107.1	47.9	87.9#
42	48.9	47.3	87.3

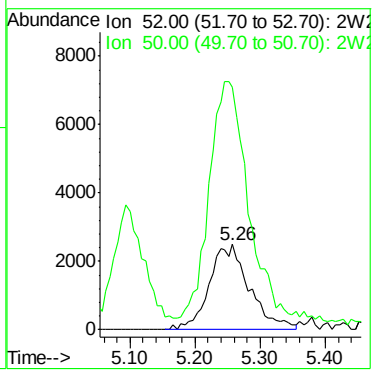


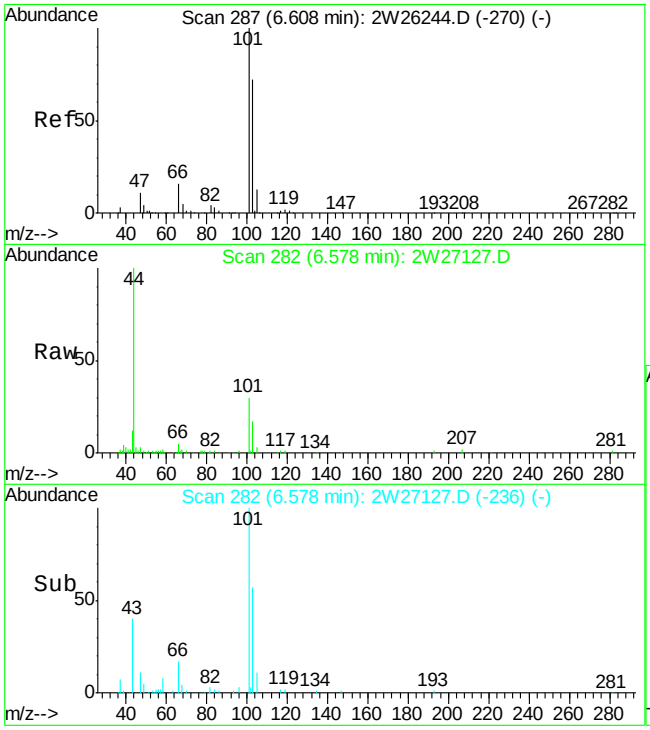


#9
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 5.26 min Scan# 65
Delta R.T. 0.01 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 52 Resp: 10719

Ion	Ratio	Lower	Upper
52	100		
50	272.3	268.7	308.7

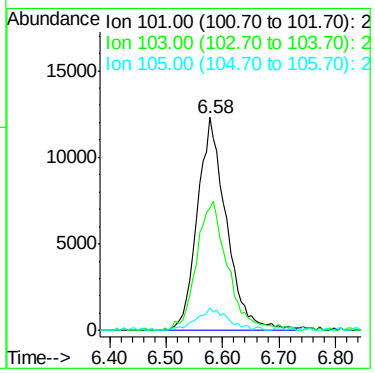


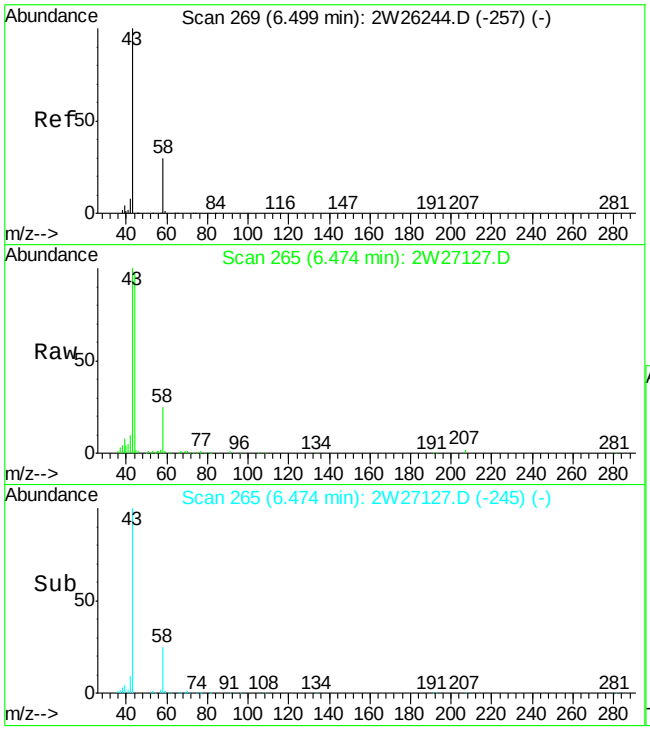


#17
TRICHLOROFLUOROMETHANE
Concen: 0.48 PPBV
RT: 6.58 min Scan# 282
Delta R.T. 0.01 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion:101 Resp: 44254

Ion	Ratio	Lower	Upper
101	100		
103	65.3	46.7	86.7
105	11.1	0.0	31.2

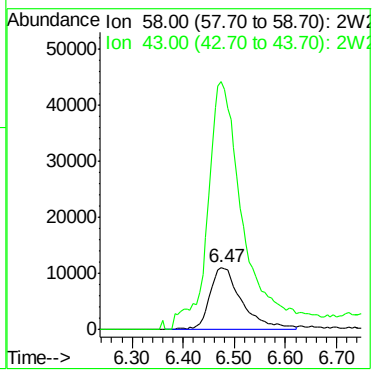


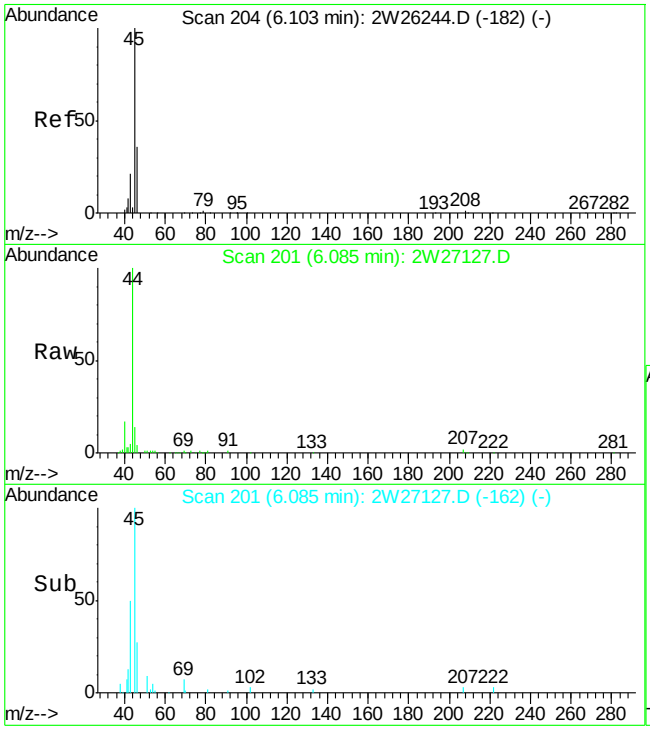


#19
ACETONE
Concen: 2.62 PPBV
RT: 6.47 min Scan# 265
Delta R.T. 0.02 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 58 Resp: 48692

Ion	Ratio	Lower	Upper
58	100		
43	432.2	315.8	355.8#

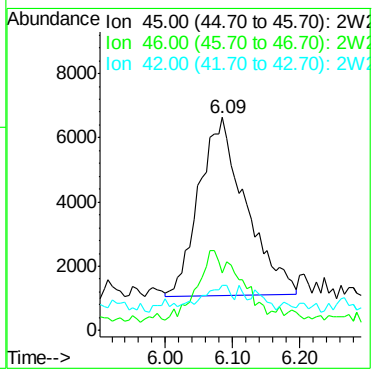


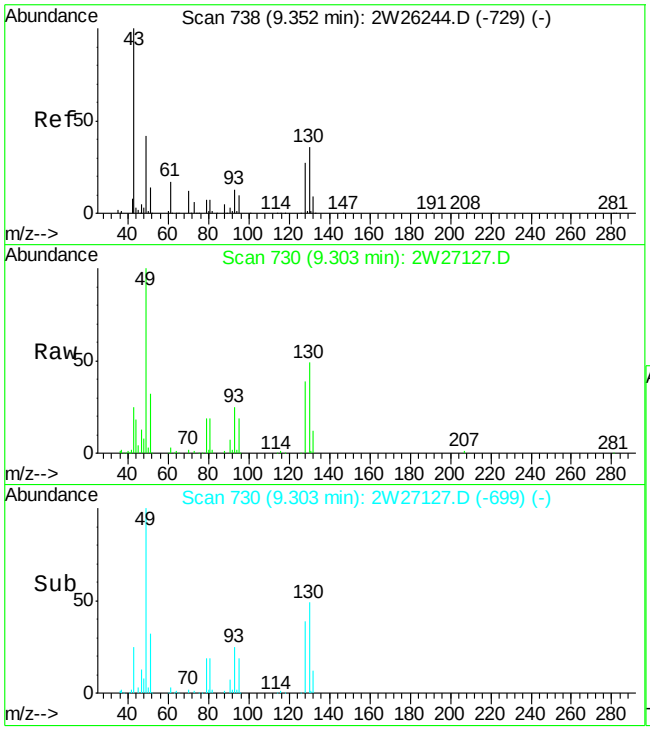


#25
ETHANOL
Concen: 1.43 PPBV
RT: 6.09 min Scan# 201
Delta R.T. 0.04 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 45 Resp: 26856

Ion	Ratio	Lower	Upper
45	100		
46	36.1	9.3	69.3
42	7.1	0.0	37.7

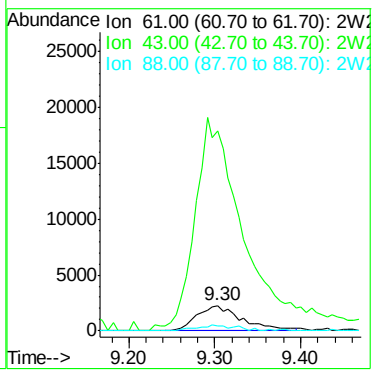


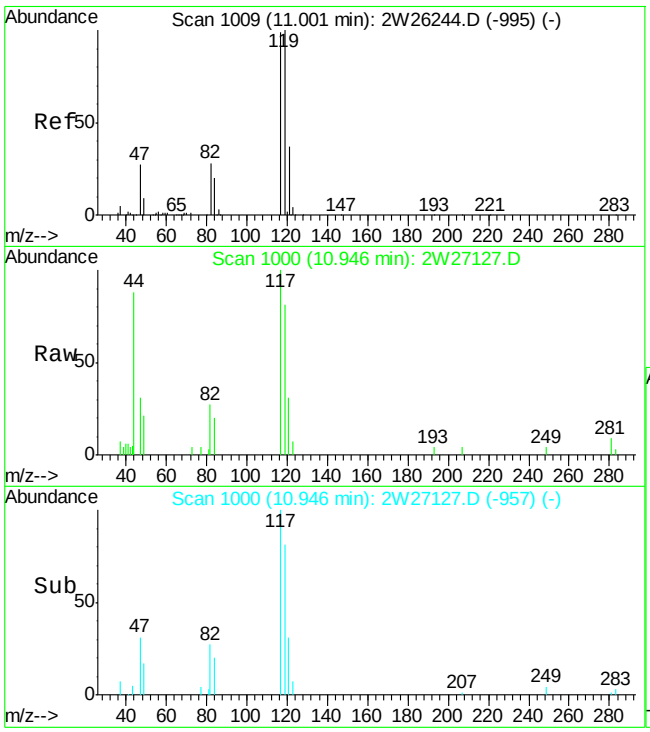


#39
ETHYL ACETATE
Concen: 0.77 PPBV
RT: 9.30 min Scan# 730
Delta R.T. 0.04 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion: 61 Resp: 8261

Ion	Ratio	Lower	Upper
61	100		
43	880.6	606.5	646.5#
88	19.9	4.8	44.8

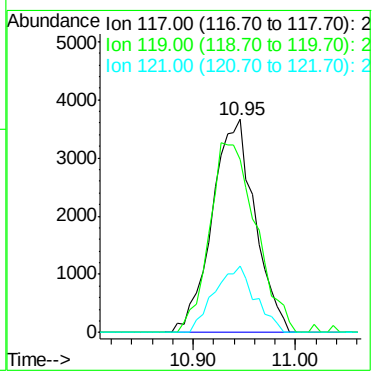




#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27127.D
Acq: 6 May 2010 1:33 am

Tgt Ion:117 Resp: 10646

Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.0	118.0
121	29.8	12.8	52.8



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27061.D Vial: 5
Acq On : 3 May 2010 12:22 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 14:07:07 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

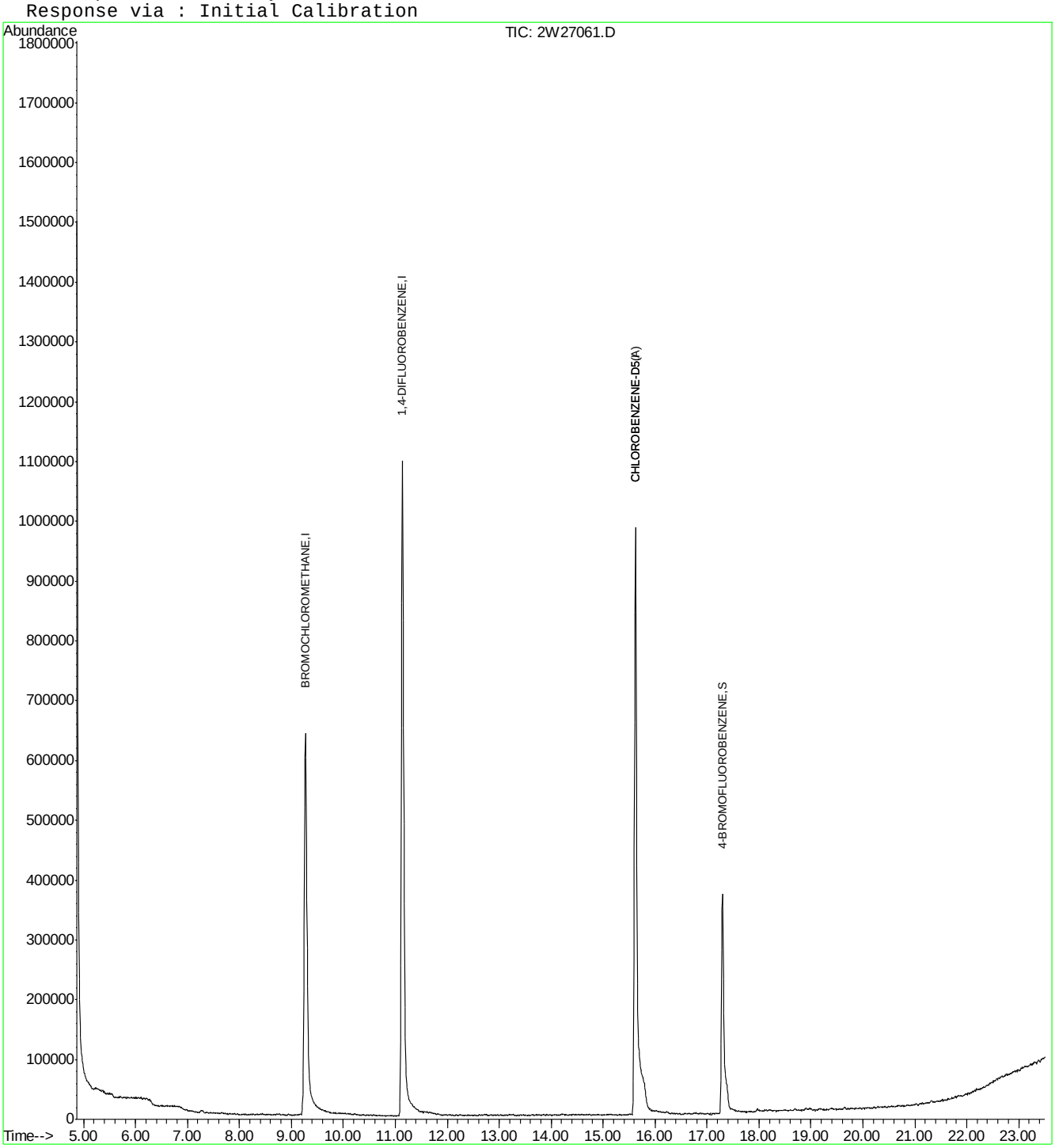
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	325435	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1488080	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	15.62	82	672273	10.00	PPBV	0.00
94) CHLOROBENZENE-D5(A)	15.62	82	673582	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	17.30	95	251398	3.60	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 72.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27061.D M2W1138.M Tue May 04 09:15:52 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27061.D Vial: 5
Acq On : 3 May 2010 12:22 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:15 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27089.D Vial: 5
Acq On : 4 May 2010 2:08 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 14:36:03 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

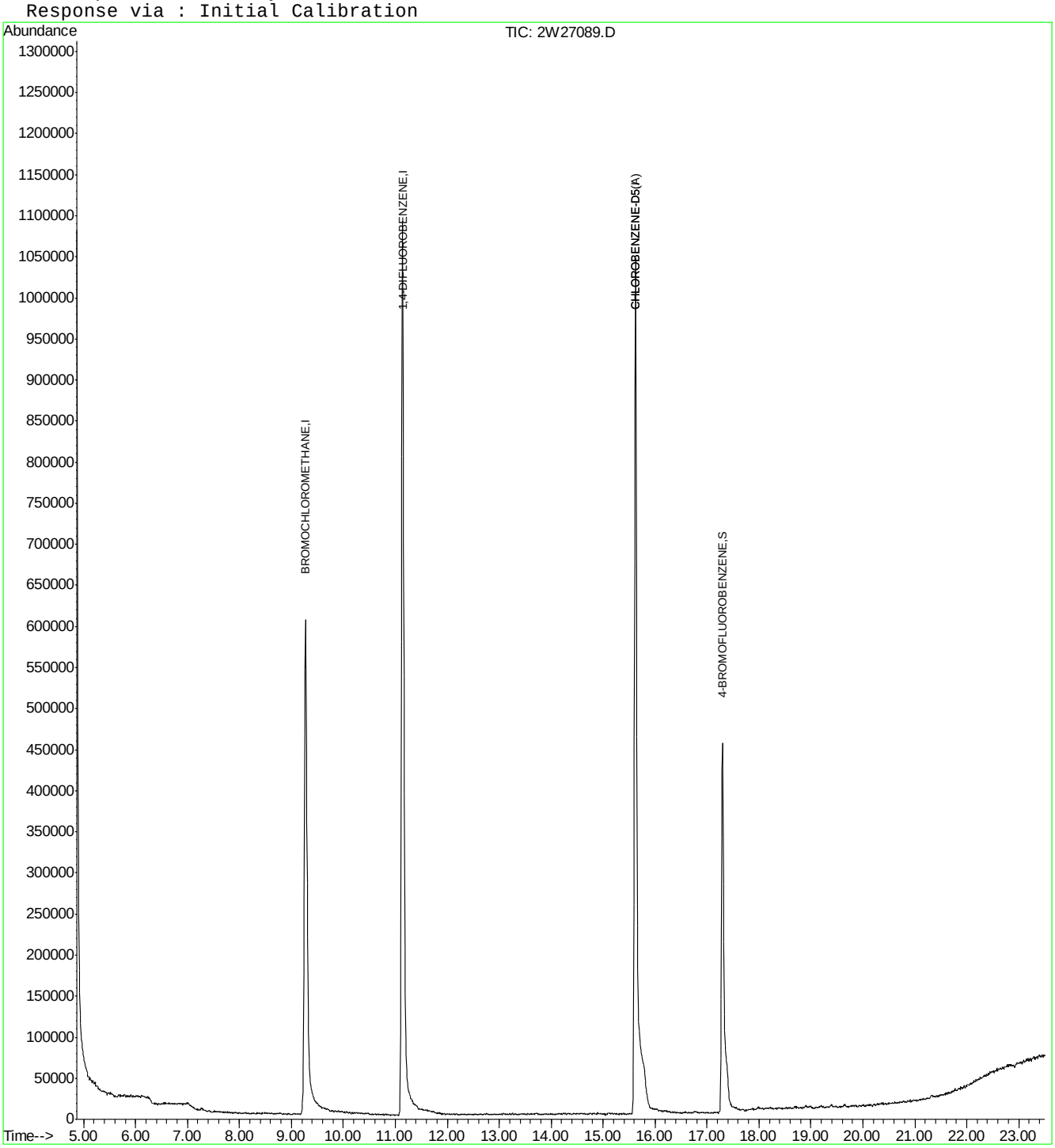
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	300216	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1434085	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	15.62	82	680354	10.00	PPBV	0.00
94) CHLOROBENZENE-D5(A)	15.62	82	680354	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	17.30	95	293783	4.16	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27089.D M2W1138.M Tue May 04 14:36:49 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27089.D Vial: 5
Acq On : 4 May 2010 2:08 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 14:36 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27114.D Vial: 5
Acq On : 5 May 2010 3:35 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 16:03:14 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	268270	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1305719	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	15.62	82	650267	10.00	PPBV	0.00
94) CHLOROBENZENE-D5(A)	15.62	82	650267	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	17.29	95	282177	4.18	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.60%			

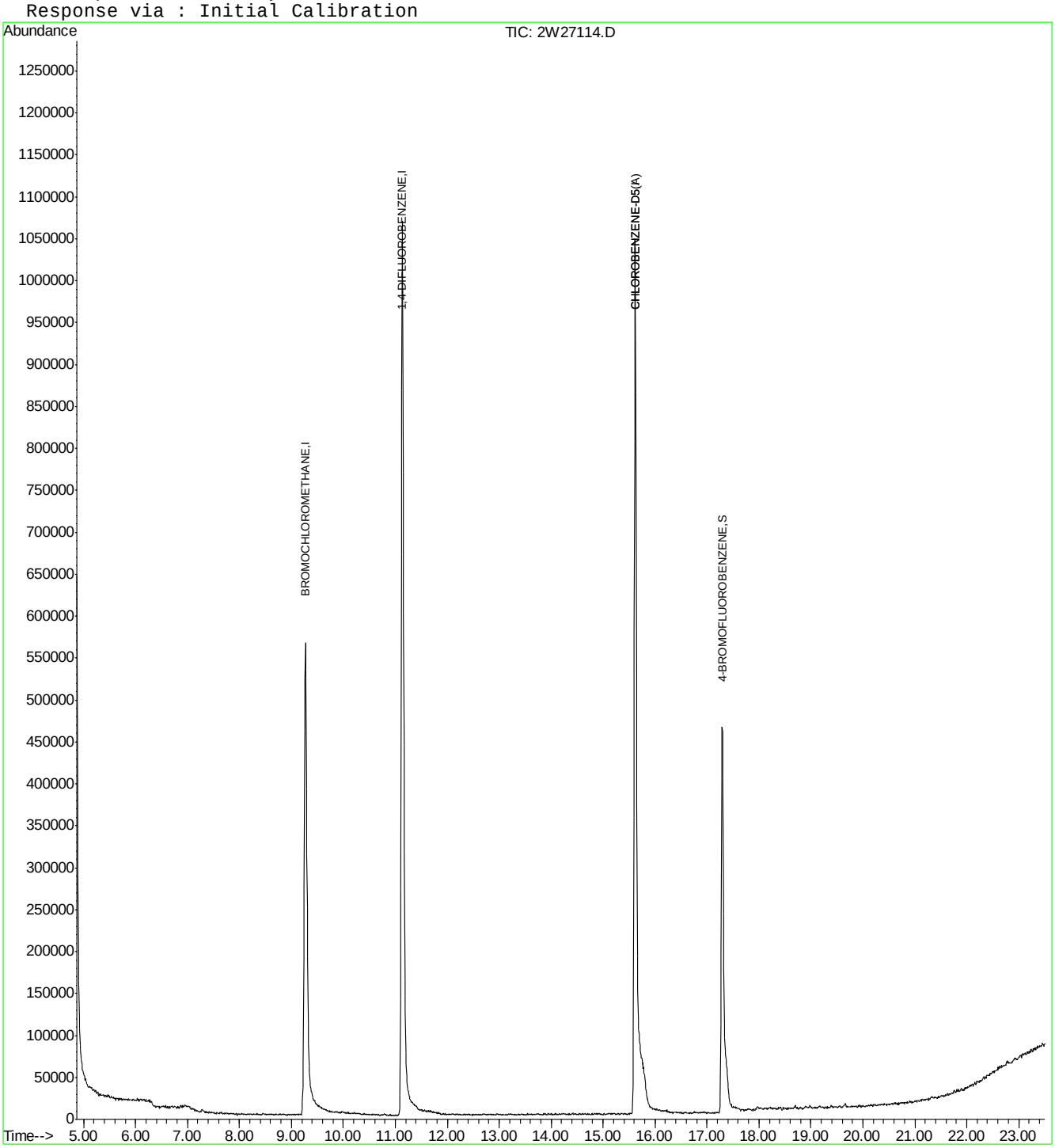
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W27114.D M2W1138.M Wed May 05 16:04:26 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27114.D Vial: 5
Acq On : 5 May 2010 3:35 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 16:03 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26782.D Vial: 5
Acq On : 15 Apr 2010 2:41 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:25:06 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

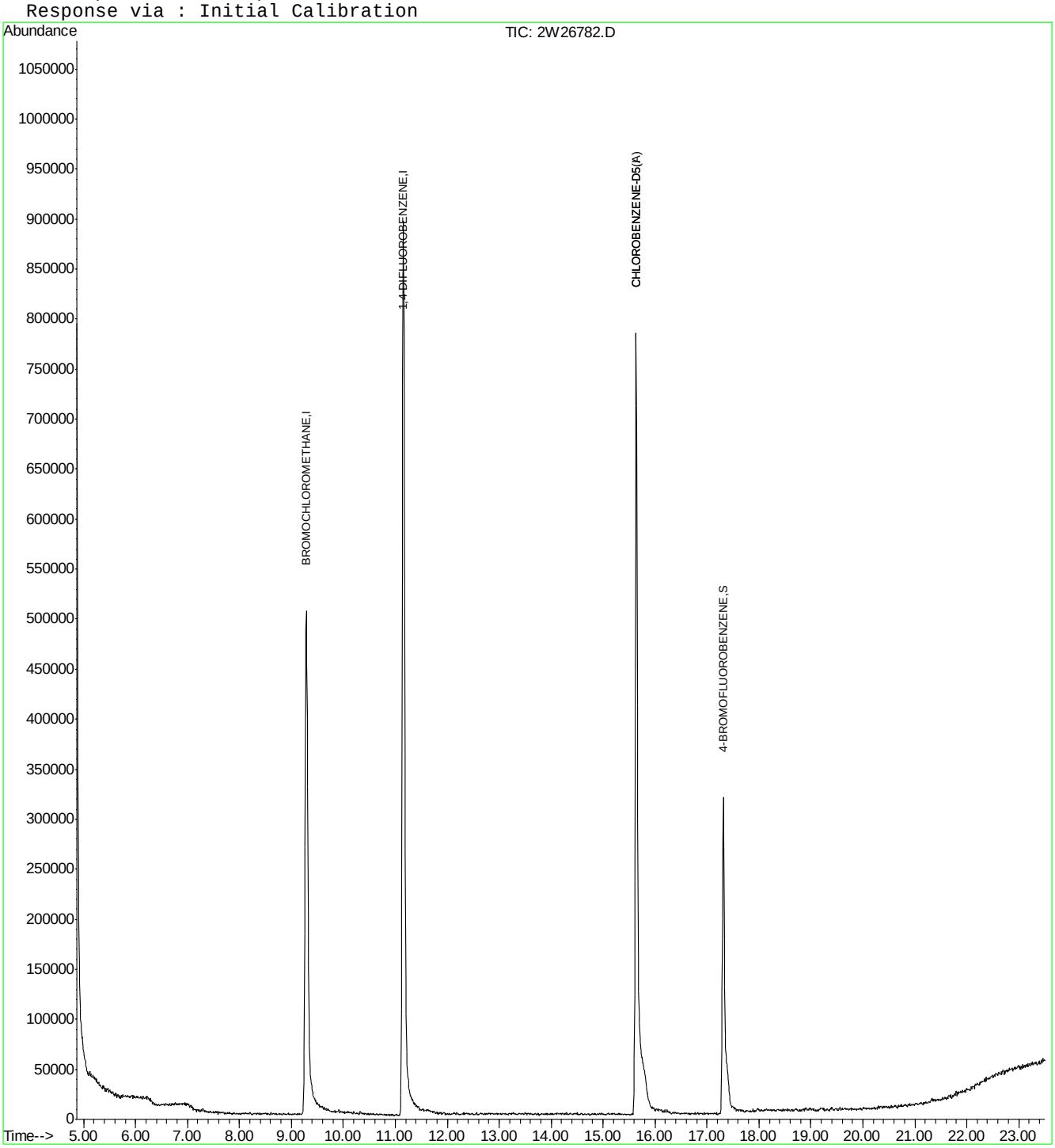
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	299987	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	11.15	114	1223769	10.00	PPBV	-0.02
63) CHLOROBENZENE-D5	15.64	82	467934	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	469208	10.00	PPBV	-0.01
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.31	95	185301	4.15	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26782.D M2W1118.M Thu Apr 15 15:25:30 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26782.D Vial: 5
Acq On : 15 Apr 2010 2:41 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:25 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16314.D Vial: 5
Acq On : 16 Apr 2010 11:33 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 08:14:11 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

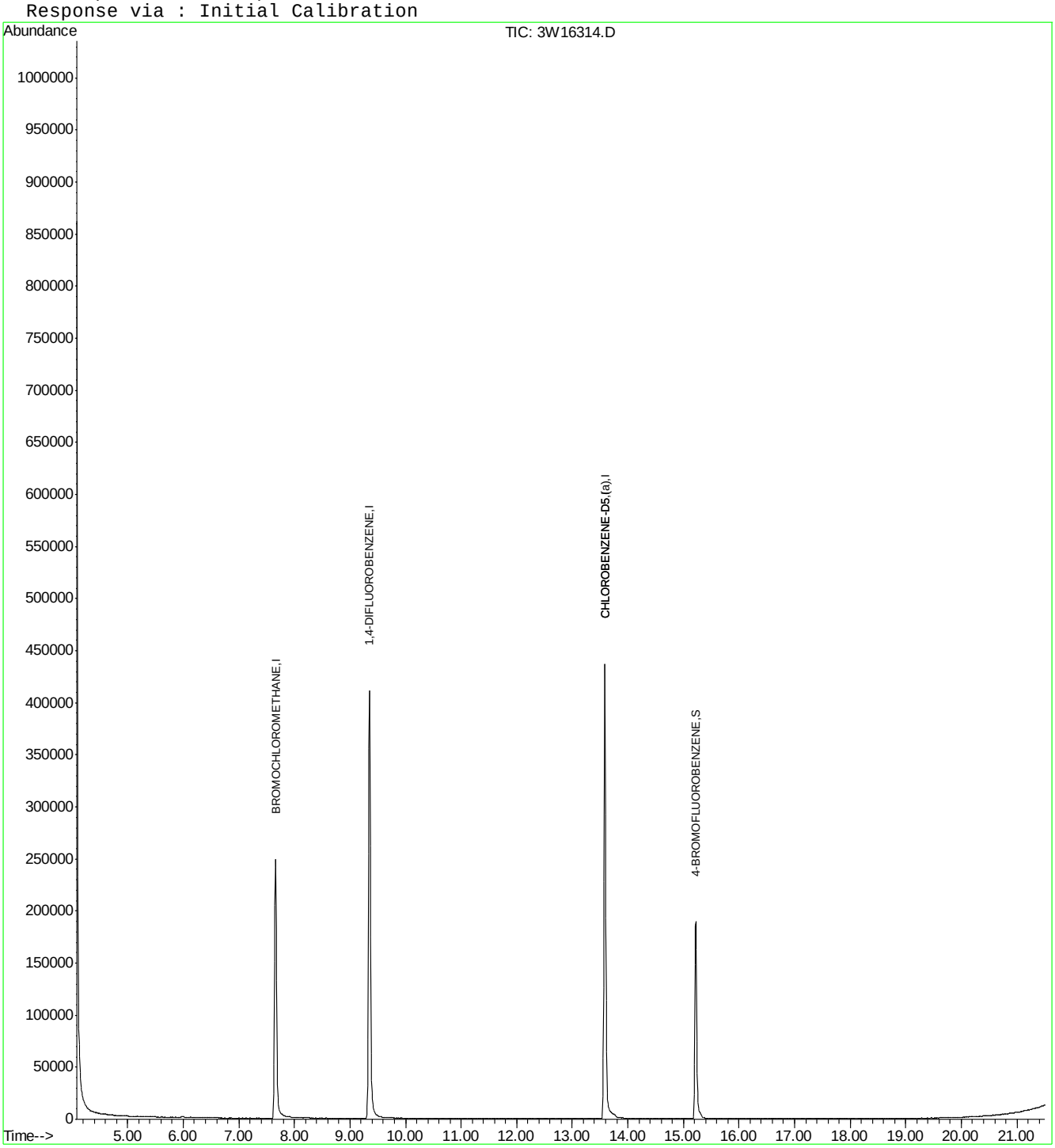
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	99418	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	461301	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	205093	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	205093	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	95127	4.20	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16314.D M3W644.M Mon Apr 19 15:45:16 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16314.D Vial: 5
Acq On : 16 Apr 2010 11:33 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:45 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16335.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:59:52 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

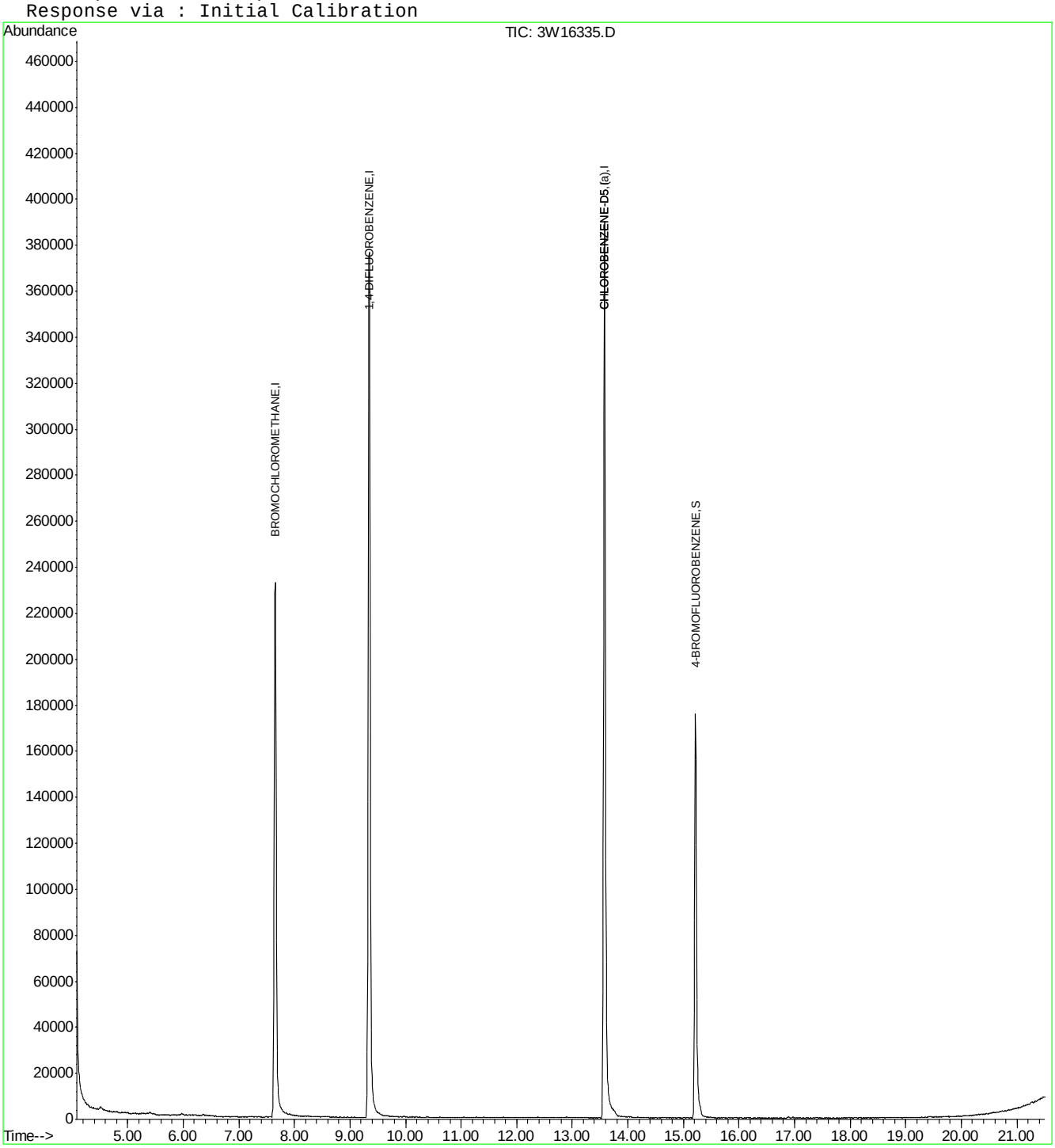
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	92580	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	423770	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	189579	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	189804	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	91248	4.36	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16335.D M3W644.M Tue Apr 20 10:20:00 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16335.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:19 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25993.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:19:40 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

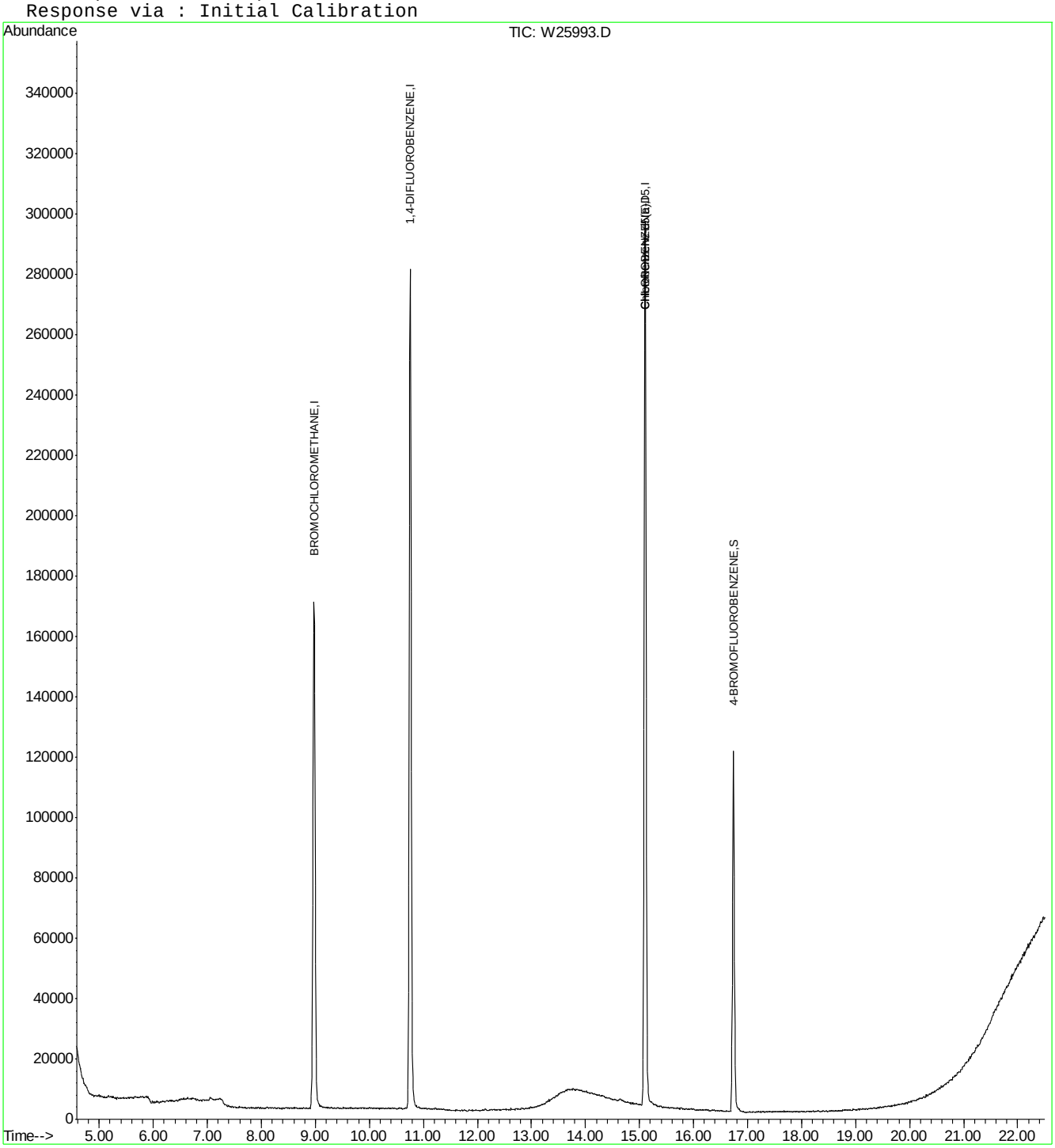
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	64029	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	300143	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	140369	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	140995	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	59142	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25993.D MW1071.M Wed Apr 21 14:31:24 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25993.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



W25993.D MW1071.M Wed Apr 21 14:31:24 2010 MSW Page 2

ACCUTEST Laboratories
JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27:28 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

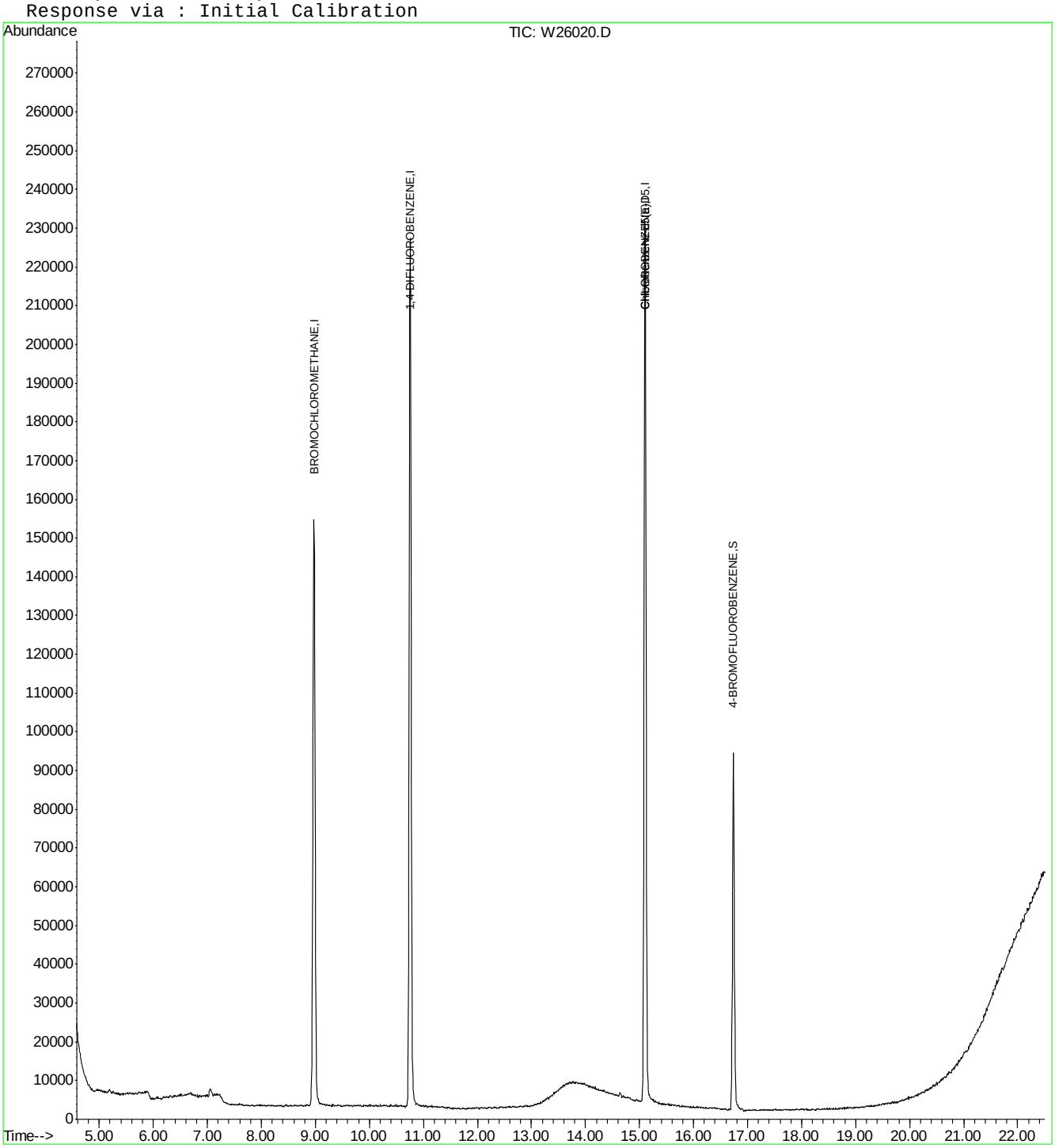
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	57016	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	239297	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	107534	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	108070	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	45267	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26020.D MW1071.M Wed Apr 21 16:46:37 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:46 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27059.D Vial: 3
Acq On : 3 May 2010 10:13 am Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 12:01:14 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	341152	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1699136	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	966175	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	965832	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	553788	5.52	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 110.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1511717	9.63	PPBV		97
4) FREON 152A	4.97	65	508170	9.79	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	184906	10.33	PPBV		99
6) PROPYLENE	5.04	41	638435	9.41	PPBV		98
8) FREON 114	5.32	85	1542699	9.09	PPBV		97
9) CHLOROMETHANE	5.25	52	243711	9.42	PPBV		92
10) VINYL CHLORIDE	5.43	62	761407	9.75	PPBV		99
11) 1,3-BUTADIENE	5.54	54	591916	9.69	PPBV		98
12) n-BUTANE	5.57	43	1123212	9.09	PPBV		98
13) BROMOMETHANE	5.79	94	583985	9.98	PPBV		99
14) CHLOROETHANE	5.92	64	396629	9.87	PPBV		99
15) FREON 123	6.33	83	1147669	9.08	PPBV	#	98
16) FREON 123A	6.38	117	589021	9.17	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.58	101	1243844	9.36	PPBV		98
18) ISOPROPYL ALCOHOL	6.66	45	939929	9.70	PPBV		99
19) ACETONE	6.45	58	245024	9.19	PPBV		92
20) PENTANE	6.83	42	612529	8.78	PPBV		98
22) IODOMETHANE	7.09	142	1003885	9.16	PPBV		95
23) 1,1-DICHLOROETHYLENE	7.15	96	424443	8.67	PPBV		96
24) CARBON DISULFIDE	7.54	76	1451836	9.18	PPBV		98
25) ETHANOL	6.05	45	285072	10.59	PPBV		100
26) BROMOETHENE	6.24	106	519005	9.99	PPBV		100
27) METHYLENE CHLORIDE	7.28	84	418905	8.82	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	244524	9.30	PPBV		94
29) FREON 113	7.45	151	610561	9.28	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	514250	8.93	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.18	59	1014527	10.36	PPBV		96
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1307018	9.11	PPBV		99
33) TETRAHYDROFURAN	9.77	72	269291	10.16	PPBV		97
34) HEXANE	9.16	57	789089	8.64	PPBV		99
35) VINYL ACETATE	8.41	86	113112	10.15	PPBV		98
36) 1,1-DICHLOROETHANE	8.29	63	957059	8.61	PPBV		98
37) METHYL ETHYL KETONE	8.65	72	260237	10.63	PPBV		99
38) cis-1,2-DICHLOROETHYLENE	9.12	96	530541	9.20	PPBV		99
39) ETHYL ACETATE	9.27	61	159812	10.31	PPBV	#	90
40) CHLOROFORM	9.37	83	1039659	9.40	PPBV		97
41) 2,4-DIMETHYLPENTANE	10.00	57	1065392	8.92	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	1066004	9.04	PPBV		98
43) CARBON TETRACHLORIDE	10.94	117	1011401	8.84	PPBV		98
44) 1,2-DICHLOROETHANE	10.09	62	707427	9.72	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27059.D Vial: 3
Acq On : 3 May 2010 10:13 am Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 12:01:14 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

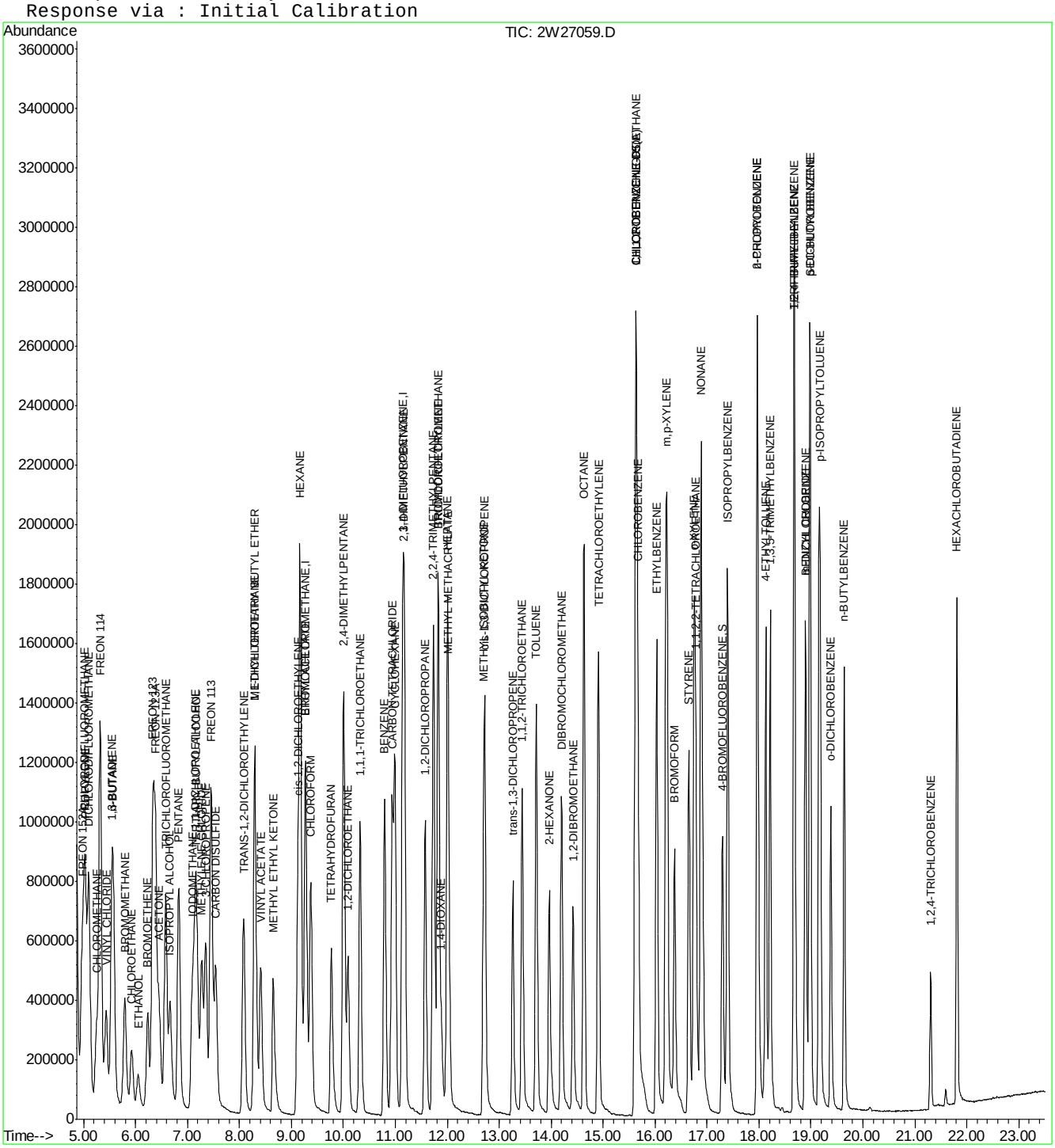
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1566574	8.84	PPBV		99
47)	CYCLOHEXANE	10.99	84	856786	8.80	PPBV		99
48)	2,3-DIMETHYLPENTANE	11.18	71	382268	8.81	PPBV		96
49)	TRICHLOROETHYLENE	11.83	95	596585	8.71	PPBV		98
50)	1,2-DICHLOROPROPANE	11.57	63	631914	9.33	PPBV		97
51)	BROMODICHLOROMETHANE	11.82	83	979411	8.94	PPBV		98
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	2278463	8.01	PPBV		98
53)	1,4-DIOXANE	11.88	88	296542	8.83	PPBV		98
54)	METHYL METHACRYLATE	12.03	69	485459	9.72	PPBV		99
55)	HEPTANE	12.00	43	901809	8.32	PPBV		98
57)	METHYL ISOBUTYL KETONE	12.70	43	985475	9.73	PPBV		100
58)	cis-1,3-DICHLOROPROPENE	12.72	75	854224	9.75	PPBV		97
59)	TOLUENE	13.71	92	1039596	9.71	PPBV		97
60)	trans-1,3-DICHLOROPROPENE	13.26	75	761006	11.02	PPBV		98
61)	1,1,2-TRICHLOROETHANE	13.44	83	519869	9.71	PPBV		99
63)	2-HEXANONE	13.96	58	514997	10.22	PPBV		100
64)	TETRACHLOROETHYLENE	14.91	164	559143	8.20	PPBV		99
65)	DIBROMOCHLOROMETHANE	14.20	129	951217	9.30	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	819698	9.57	PPBV		99
67)	OCTANE	14.63	43	1179731	7.97	PPBV		98
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	671606	8.78	PPBV		96
69)	CHLOROBENZENE	15.67	112	1024211	8.58	PPBV		96
70)	ETHYLBENZENE	16.03	91	1772320	8.18	PPBV		97
71)	m,p-XYLENE	16.22	106	1379859	16.66	PPBV		93
72)	o-XYLENE	16.75	106	705507	8.25	PPBV		96
73)	STYRENE	16.65	104	964471	10.43	PPBV		99
74)	NONANE	16.88	43	1044460	8.76	PPBV		98
75)	BROMOFORM	16.38	173	704099	10.06	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	898029	8.49	PPBV		98
78)	ISOPROPYLBENZENE	17.40	105	1763071	7.86	PPBV		97
79)	2-CHLOROTOLUENE	17.97	126	465874	8.87	PPBV	#	84
80)	n-PROPYLBENZENE	17.97	120	483588	9.45	PPBV		85
81)	4-ETHYLTOLUENE	18.13	105	1428129	9.10	PPBV		97
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1319846	8.83	PPBV		98
83)	TERT-BUTYLBENZENE	18.68	134	363648	9.38	PPBV		96
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	1140844	8.89	PPBV		98
85)	m-DICHLOROBENZENE	18.90	146	611061	9.71	PPBV		99
86)	BENZYL CHLORIDE	18.89	91	781429	9.66	PPBV		99
87)	p-DICHLOROBENZENE	18.98	146	582298	9.82	PPBV		99
88)	SEC-BUTYLBENZENE	18.99	134	387604	9.23	PPBV		93
89)	p-ISOPROPYLTOLUENE	19.16	134	408245	10.00	PPBV		95
90)	o-DICHLOROBENZENE	19.38	146	601332	9.09	PPBV		98
91)	n-BUTYLBENZENE	19.64	134	315948	10.20	PPBV		97
92)	HEXACHLOROBUTADIENE	21.81	225	388628	9.87	PPBV		97
93)	1,2,4-TRICHLOROBENZENE	21.31	180	207449	9.50	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27059.D Vial: 3
Acq On : 3 May 2010 10:13 am Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:14 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27060.D Vial: 4
Acq On : 3 May 2010 10:56 am Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 12:01:22 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	306050	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1535978	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	871262	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	870892	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	495732	5.48	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 109.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1447164	10.27	PPBV		97
4) FREON 152A	4.97	65	489537	10.52	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	177428	11.05	PPBV		97
6) PROPYLENE	5.04	41	617021	10.13	PPBV		99
8) FREON 114	5.31	85	1509122	9.92	PPBV		97
9) CHLOROMETHANE	5.25	52	226745	9.77	PPBV	#	89
10) VINYL CHLORIDE	5.43	62	716655	10.23	PPBV		99
11) 1,3-BUTADIENE	5.54	54	566074	10.33	PPBV		98
12) n-BUTANE	5.57	43	1040449	9.39	PPBV		99
13) BROMOMETHANE	5.79	94	551606	10.50	PPBV		99
14) CHLOROETHANE	5.92	64	376741	10.45	PPBV		99
15) FREON 123	6.33	83	1119504	9.87	PPBV	#	97
16) FREON 123A	6.38	117	577943	10.03	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.58	101	1239207	10.39	PPBV		98
18) ISOPROPYL ALCOHOL	6.66	45	957454	11.01	PPBV		99
19) ACETONE	6.45	58	236122	9.87	PPBV		96
20) PENTANE	6.83	42	584711	9.34	PPBV		97
22) IODOMETHANE	7.09	142	980155	9.97	PPBV		94
23) 1,1-DICHLOROETHYLENE	7.14	96	414732	9.44	PPBV		95
24) CARBON DISULFIDE	7.54	76	1419873	10.01	PPBV		97
25) ETHANOL	6.04	45	279374	11.57	PPBV		99
26) BROMOETHENE	6.23	106	496899	10.66	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	411114	9.64	PPBV		97
28) 3-CHLOROPROPENE	7.35	76	243896	10.34	PPBV		95
29) FREON 113	7.45	151	599616	10.16	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	511544	9.90	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.17	59	1064936	12.12	PPBV		96
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1314186	10.22	PPBV		99
33) TETRAHYDROFURAN	9.76	72	269111	11.32	PPBV		98
34) HEXANE	9.16	57	781149	9.54	PPBV		99
35) VINYL ACETATE	8.40	86	111130	11.12	PPBV		99
36) 1,1-DICHLOROETHANE	8.28	63	955908	9.58	PPBV		98
37) METHYL ETHYL KETONE	8.65	72	259271	11.81	PPBV		96
38) cis-1,2-DICHLOROETHYLENE	9.12	96	517748	10.01	PPBV		98
39) ETHYL ACETATE	9.27	61	156307	11.24	PPBV		94
40) CHLOROFORM	9.37	83	1031681	10.40	PPBV		97
41) 2,4-DIMETHYLPENTANE	10.00	57	1052174	9.82	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	1056163	9.99	PPBV		98
43) CARBON TETRACHLORIDE	10.94	117	1005945	9.80	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	700054	10.72	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27060.D Vial: 4
Acq On : 3 May 2010 10:56 am Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 12:01:22 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

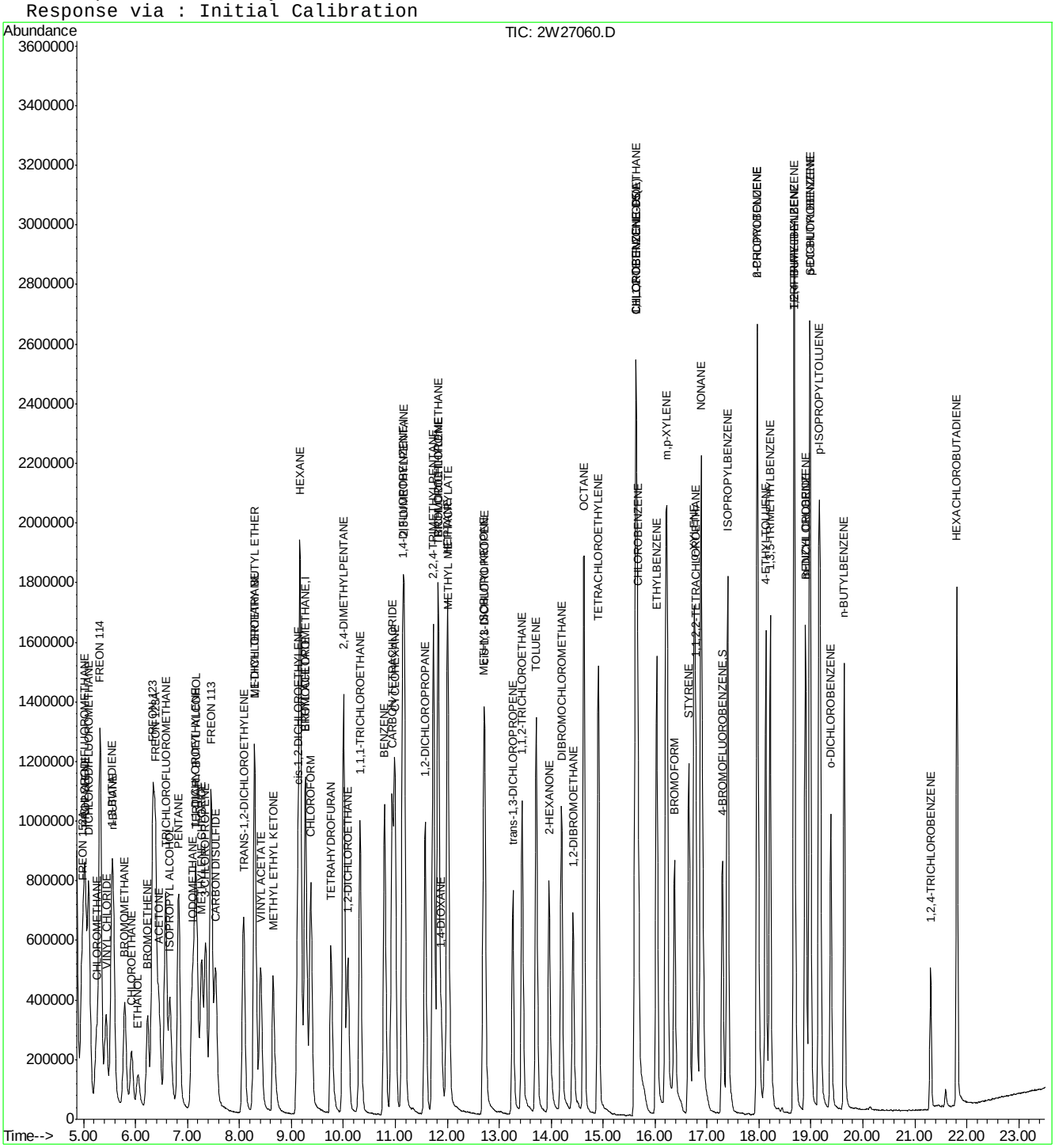
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1532430	9.57	PPBV		98
47)	CYCLOHEXANE	10.99	84	834982	9.48	PPBV		100
48)	2,3-DIMETHYLPENTANE	11.17	71	375863	9.58	PPBV		98
49)	TRICHLOROETHYLENE	11.83	95	578190	9.34	PPBV		98
50)	1,2-DICHLOROPROPANE	11.57	63	608247	9.94	PPBV		96
51)	BROMODICHLOROMETHANE	11.82	83	952722	9.62	PPBV		98
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	2239892	8.71	PPBV		98
53)	1,4-DIOXANE	11.88	88	316891	10.44	PPBV		99
54)	METHYL METHACRYLATE	12.02	69	482159	10.67	PPBV		99
55)	HEPTANE	12.00	43	894778	9.14	PPBV		100
57)	METHYL ISOBUTYL KETONE	12.70	43	1011947	11.05	PPBV		100
58)	cis-1,3-DICHLOROPROPENE	12.72	75	826299	10.43	PPBV		96
59)	TOLUENE	13.71	92	994325	10.27	PPBV		97
60)	trans-1,3-DICHLOROPROPENE	13.26	75	725888	11.63	PPBV		97
61)	1,1,2-TRICHLOROETHANE	13.44	83	496770	10.26	PPBV		99
63)	2-HEXANONE	13.96	58	531261	11.69	PPBV		99
64)	TETRACHLOROETHYLENE	14.91	164	536131	8.72	PPBV		99
65)	DIBROMOCHLOROMETHANE	14.20	129	903062	9.79	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	777715	10.07	PPBV		99
67)	OCTANE	14.63	43	1152213	8.64	PPBV		99
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	644828	9.35	PPBV		96
69)	CHLOROBENZENE	15.67	112	984276	9.15	PPBV		96
70)	ETHYLBENZENE	16.03	91	1716206	8.79	PPBV		98
71)	m,p-XYLENE	16.22	106	1333388	17.85	PPBV		95
72)	o-XYLENE	16.75	106	688273	8.92	PPBV		96
73)	STYRENE	16.65	104	927576	11.12	PPBV		99
74)	NONANE	16.88	43	1027609	9.56	PPBV		99
75)	BROMOFORM	16.38	173	667642	10.58	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	894327	9.37	PPBV		98
78)	ISOPROPYLBENZENE	17.40	105	1730590	8.56	PPBV		97
79)	2-CHLOROTOLUENE	17.97	126	447741	9.45	PPBV	#	87
80)	n-PROPYLBENZENE	17.97	120	470150	10.19	PPBV		86
81)	4-ETHYLTOLUENE	18.13	105	1405679	9.94	PPBV		98
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1308037	9.71	PPBV		99
83)	TERT-BUTYLBENZENE	18.67	134	356767	10.21	PPBV		97
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	1134212	9.80	PPBV		98
85)	m-DICHLOROBENZENE	18.90	146	591762	10.42	PPBV		99
86)	BENZYL CHLORIDE	18.89	91	767968	10.52	PPBV		98
87)	p-DICHLOROBENZENE	18.98	146	564511	10.55	PPBV		98
88)	SEC-BUTYLBENZENE	18.98	134	385441	10.18	PPBV		93
89)	p-ISOPROPYLTOLUENE	19.16	134	403497	10.96	PPBV		95
90)	o-DICHLOROBENZENE	19.38	146	581729	9.75	PPBV		99
91)	n-BUTYLBENZENE	19.64	134	312111	11.17	PPBV		97
92)	HEXACHLOROBUTADIENE	21.81	225	395946	11.15	PPBV		100
93)	1,2,4-TRICHLOROBENZENE	21.31	180	209580	10.65	PPBV		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27060.D Vial: 4
Acq On : 3 May 2010 10:56 am Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:15 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27087.D Vial: 3
Acq On : 4 May 2010 11:59 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 12:26:31 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	278223	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1393355	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	825673	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	825673	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	484606	5.65	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 113.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1348795	10.53	PPBV		98
4) FREON 152A	4.97	65	395054	9.34	PPBV		93
5) CHLORODIFLUOROMETHANE	5.01	67	167847	11.50	PPBV		98
6) PROPYLENE	5.04	41	502414	9.08	PPBV		95
8) FREON 114	5.32	85	1309113	9.46	PPBV		99
9) CHLOROMETHANE	5.25	52	195009	9.24	PPBV		99
10) VINYL CHLORIDE	5.43	62	592622	9.30	PPBV		100
11) 1,3-BUTADIENE	5.54	54	446344	8.96	PPBV		92
12) n-BUTANE	5.57	43	887477	8.81	PPBV		99
13) BROMOMETHANE	5.79	94	454286	9.52	PPBV		99
14) CHLOROETHANE	5.92	64	297348	9.08	PPBV		99
15) FREON 123	6.33	83	920651	8.93	PPBV	#	97
16) FREON 123A	6.38	117	475707	9.08	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.58	101	1175162	10.84	PPBV		99
18) ISOPROPYL ALCOHOL	6.66	45	777219	9.83	PPBV		94
19) ACETONE	6.46	58	183422	8.44	PPBV	#	87
20) PENTANE	6.83	42	491996	8.65	PPBV		93
22) IODOMETHANE	7.10	142	818918	9.16	PPBV	#	84
23) 1,1-DICHLOROETHYLENE	7.14	96	339708	8.50	PPBV	#	86
24) CARBON DISULFIDE	7.54	76	1197382	9.29	PPBV		94
25) ETHANOL	6.05	45	213105	9.71	PPBV		99
26) BROMOETHENE	6.23	106	400761	9.46	PPBV	#	98
27) METHYLENE CHLORIDE	7.28	84	327957	8.46	PPBV		92
28) 3-CHLOROPROPENE	7.35	76	192811	8.99	PPBV	#	82
29) FREON 113	7.45	151	497313	9.27	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	407829	8.68	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.19	59	897706	11.24	PPBV		94
32) METHYL TERTIARY BUTYL ETHE	8.30	73	1091900	9.34	PPBV		96
33) TETRAHYDROFURAN	9.77	72	206358	9.55	PPBV		91
34) HEXANE	9.16	57	633782	8.51	PPBV		90
35) VINYL ACETATE	8.41	86	85521	9.41	PPBV	#	77
36) 1,1-DICHLOROETHANE	8.29	63	816050	9.00	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	197610	9.90	PPBV	#	83
38) cis-1,2-DICHLOROETHYLENE	9.12	96	411959	8.76	PPBV		93
39) ETHYL ACETATE	9.27	61	119078	9.42	PPBV	#	84
40) CHLOROFORM	9.37	83	876538	9.72	PPBV		98
41) 2,4-DIMETHYLPENTANE	10.00	57	844108	8.66	PPBV		100
42) 1,1,1-TRICHLOROETHANE	10.32	97	938926	9.77	PPBV		98
43) CARBON TETRACHLORIDE	10.93	117	912509	9.78	PPBV		100
44) 1,2-DICHLOROETHANE	10.08	62	631150	10.63	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27087.D Vial: 3
Acq On : 4 May 2010 11:59 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 12:26:31 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

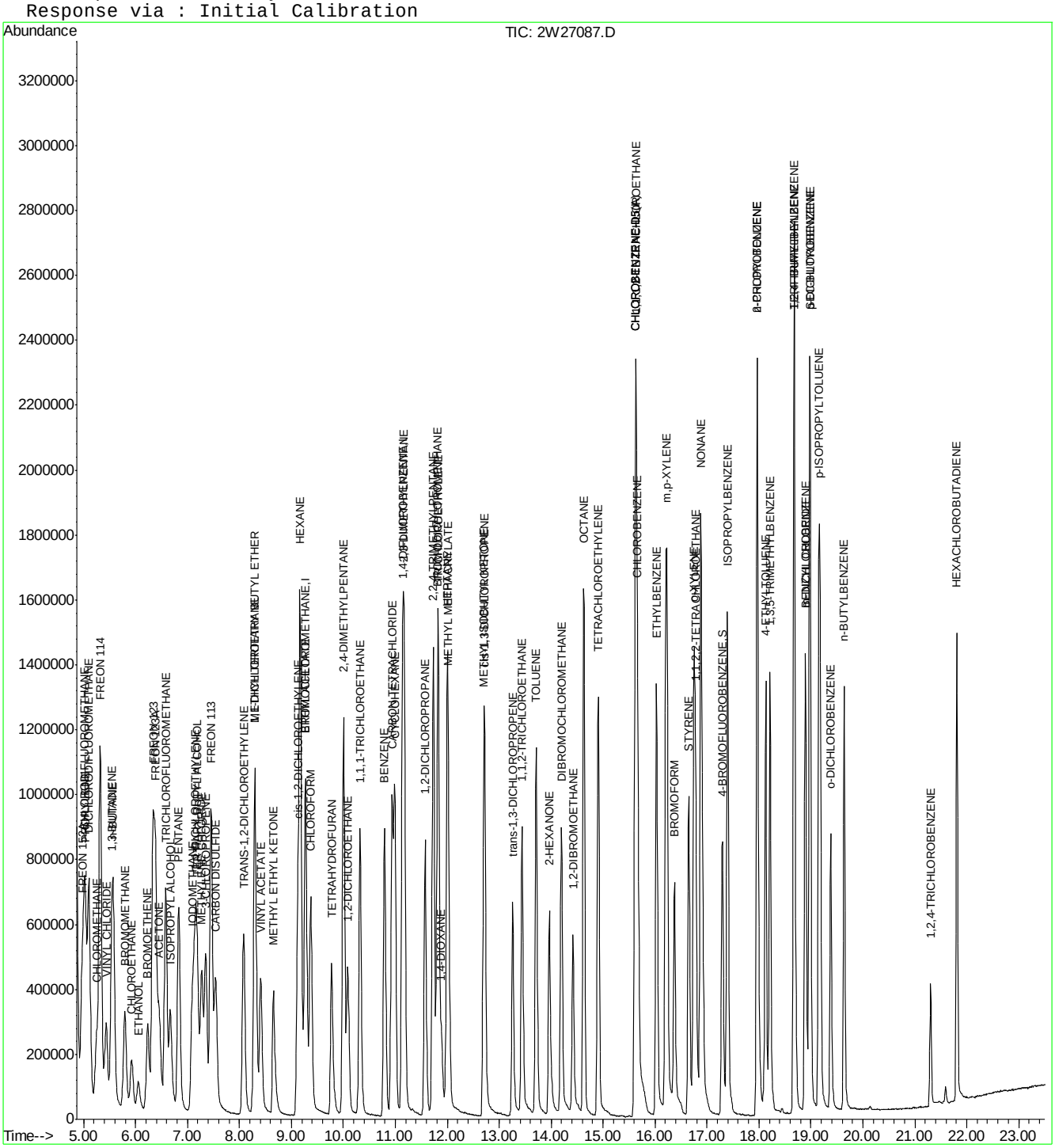
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1238306	8.52	PPBV		98
47)	CYCLOHEXANE	10.99	84	694000	8.69	PPBV		98
48)	2,3-DIMETHYLPENTANE	11.17	71	292259	8.21	PPBV		92
49)	TRICHLOROETHYLENE	11.83	95	478182	8.51	PPBV		96
50)	1,2-DICHLOROPROPANE	11.57	63	500105	9.01	PPBV		94
51)	BROMODICHLOROMETHANE	11.81	83	833758	9.28	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1880794	8.06	PPBV		99
53)	1,4-DIOXANE	11.89	88	232526	8.44	PPBV		95
54)	METHYL METHACRYLATE	12.02	69	377937	9.22	PPBV		85
55)	HEPTANE	12.00	43	759553	8.55	PPBV		96
57)	METHYL ISOBUTYL KETONE	12.70	43	846928	10.19	PPBV		96
58)	cis-1,3-DICHLOROPROPENE	12.72	75	687308	9.56	PPBV		89
59)	TOLUENE	13.71	92	794246	9.05	PPBV		98
60)	trans-1,3-DICHLOROPROPENE	13.26	75	614113	10.85	PPBV		93
61)	1,1,2-TRICHLOROETHANE	13.44	83	400290	9.11	PPBV		100
63)	2-HEXANONE	13.96	58	389928	9.06	PPBV		88
64)	TETRACHLOROETHYLENE	14.91	164	425172	7.30	PPBV		97
65)	DIBROMOCHLOROMETHANE	14.20	129	745863	8.53	PPBV		100
66)	1,2-DIBROMOETHANE	14.42	107	609467	8.33	PPBV		100
67)	OCTANE	14.63	43	991564	7.84	PPBV		96
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	548018	8.39	PPBV		94
69)	CHLOROBENZENE	15.67	112	795726	7.80	PPBV		95
70)	ETHYLBENZENE	16.03	91	1448577	7.83	PPBV		98
71)	m,p-XYLENE	16.21	106	1049466	14.82	PPBV		94
72)	o-XYLENE	16.75	106	529554	7.25	PPBV		92
73)	STYRENE	16.65	104	713667	9.03	PPBV		96
74)	NONANE	16.88	43	881992	8.66	PPBV		97
75)	BROMOFORM	16.37	173	527210	8.82	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.78	83	702686	7.77	PPBV		99
78)	ISOPROPYLBENZENE	17.39	105	1434479	7.49	PPBV		97
79)	2-CHLOROTOLUENE	17.97	126	349083	7.78	PPBV	#	92
80)	n-PROPYLBENZENE	17.97	120	362873	8.30	PPBV		91
81)	4-ETHYLTOLUENE	18.13	105	1156196	8.62	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.21	105	1063783	8.33	PPBV		96
83)	TERT-BUTYLBENZENE	18.67	134	297095	8.97	PPBV		92
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	986062	8.99	PPBV		98
85)	m-DICHLOROBENZENE	18.90	146	478536	8.89	PPBV		98
86)	BENZYL CHLORIDE	18.89	91	631447	9.13	PPBV		96
87)	p-DICHLOROBENZENE	18.98	146	446317	8.80	PPBV		98
88)	SEC-BUTYLBENZENE	18.98	134	319976	8.92	PPBV		96
89)	p-ISOPROPYLTOLUENE	19.16	134	331579	9.51	PPBV		95
90)	o-DICHLOROBENZENE	19.38	146	466917	8.26	PPBV		98
91)	n-BUTYLBENZENE	19.64	134	249240	9.41	PPBV		93
92)	HEXACHLOROBUTADIENE	21.81	225	319548	9.49	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	150106	8.05	PPBV		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27087.D Vial: 3
Acq On : 4 May 2010 11:59 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 13:06 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27088.D Vial: 3
Acq On : 4 May 2010 12:42 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 13:07:13 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	290759	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1432065	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	820688	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	820688	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	477682	5.60	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 112.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1383948	10.34	PPBV		98
4) FREON 152A	4.97	65	395801	8.95	PPBV		94
5) CHLORODIFLUOROMETHANE	5.01	67	169296	11.10	PPBV		98
6) PROPYLENE	5.04	41	504089	8.72	PPBV		96
8) FREON 114	5.31	85	1356115	9.38	PPBV		97
9) CHLOROMETHANE	5.25	52	188426	8.54	PPBV		98
10) VINYL CHLORIDE	5.43	62	618705	9.29	PPBV		99
11) 1,3-BUTADIENE	5.54	54	470346	9.03	PPBV		93
12) n-BUTANE	5.57	43	921269	8.75	PPBV	#	99
13) BROMOMETHANE	5.79	94	490572	9.83	PPBV		99
14) CHLOROETHANE	5.92	64	316329	9.24	PPBV		98
15) FREON 123	6.33	83	1007530	9.35	PPBV	#	97
16) FREON 123A	6.38	117	526406	9.62	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.58	101	1241887	10.96	PPBV		99
18) ISOPROPYL ALCOHOL	6.66	45	878225	10.63	PPBV		97
19) ACETONE	6.45	58	208858	9.19	PPBV		92
20) PENTANE	6.83	42	571639	9.62	PPBV		96
22) IODOMETHANE	7.09	142	919289	9.84	PPBV		87
23) 1,1-DICHLOROETHYLENE	7.14	96	374203	8.96	PPBV		91
24) CARBON DISULFIDE	7.54	76	1248713	9.27	PPBV		94
25) ETHANOL	6.05	45	226880	9.89	PPBV		99
26) BROMOETHENE	6.23	106	438776	9.91	PPBV	#	98
27) METHYLENE CHLORIDE	7.27	84	356721	8.81	PPBV		96
28) 3-CHLOROPROPENE	7.34	76	206364	9.21	PPBV	#	88
29) FREON 113	7.45	151	555510	9.90	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	434826	8.86	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.18	59	958992	11.49	PPBV		95
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1183739	9.69	PPBV		97
33) TETRAHYDROFURAN	9.77	72	225462	9.98	PPBV		95
34) HEXANE	9.16	57	664519	8.54	PPBV		91
35) VINYL ACETATE	8.41	86	95303	10.03	PPBV	#	88
36) 1,1-DICHLOROETHANE	8.28	63	848598	8.96	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	215498	10.33	PPBV	#	83
38) cis-1,2-DICHLOROETHYLENE	9.12	96	440055	8.96	PPBV		94
39) ETHYL ACETATE	9.26	61	129276	9.79	PPBV	#	88
40) CHLOROFORM	9.37	83	942362	9.99	PPBV		98
41) 2,4-DIMETHYLPENTANE	10.00	57	891297	8.75	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	998042	9.93	PPBV		98
43) CARBON TETRACHLORIDE	10.94	117	966069	9.91	PPBV		100
44) 1,2-DICHLOROETHANE	10.09	62	676097	10.89	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27088.D Vial: 3
Acq On : 4 May 2010 12:42 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 13:07:13 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	BENZENE	10.79	78	1315663	8.81	PPBV	98
47)	CYCLOHEXANE	10.99	84	739193	9.01	PPBV	97
48)	2,3-DIMETHYLPENTANE	11.17	71	313685	8.58	PPBV	95
49)	TRICHLOROETHYLENE	11.83	95	513420	8.89	PPBV	97
50)	1,2-DICHLOROPROPANE	11.57	63	530671	9.30	PPBV	94
51)	BROMODICHLOROMETHANE	11.81	83	888493	9.62	PPBV	99
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1973328	8.23	PPBV	100
53)	1,4-DIOXANE	11.88	88	258512	9.13	PPBV	94
54)	METHYL METHACRYLATE	12.02	69	413184	9.81	PPBV	89
55)	HEPTANE	12.00	43	798538	8.74	PPBV	96
57)	METHYL ISOBUTYL KETONE	12.70	43	890308	10.43	PPBV	97
58)	cis-1,3-DICHLOROPROPENE	12.72	75	731515	9.90	PPBV	89
59)	TOLUENE	13.71	92	859547	9.52	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	13.26	75	657205	11.29	PPBV	93
61)	1,1,2-TRICHLOROETHANE	13.44	83	434347	9.62	PPBV	100
63)	2-HEXANONE	13.96	58	420890	9.83	PPBV	90
64)	TETRACHLOROETHYLENE	14.91	164	497118	8.59	PPBV	98
65)	DIBROMOCHLOROMETHANE	14.20	129	805961	9.28	PPBV	100
66)	1,2-DIBROMOETHANE	14.42	107	664490	9.13	PPBV	100
67)	OCTANE	14.63	43	1032462	8.21	PPBV	98
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	588890	9.07	PPBV	99
69)	CHLOROBENZENE	15.67	112	868780	8.57	PPBV	96
70)	ETHYLBENZENE	16.03	91	1543226	8.39	PPBV	98
71)	m,p-XYLENE	16.22	106	1136468	16.15	PPBV	97
72)	o-XYLENE	16.75	106	574507	7.91	PPBV	95
73)	STYRENE	16.65	104	775194	9.87	PPBV	96
74)	NONANE	16.88	43	919415	9.08	PPBV	98
75)	BROMOFORM	16.37	173	575428	9.68	PPBV	99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	755084	8.40	PPBV	99
78)	ISOPROPYLBENZENE	17.39	105	1526684	8.01	PPBV	98
79)	2-CHLOROTOLUENE	17.97	126	378326	8.48	PPBV	98
80)	n-PROPYLBENZENE	17.97	120	395554	9.10	PPBV	100
81)	4-ETHYLTOLUENE	18.13	105	1241108	9.31	PPBV	100
82)	1,3,5-TRIMETHYLBENZENE	18.21	105	1136464	8.96	PPBV	97
83)	TERT-BUTYLBENZENE	18.67	134	296572	9.01	PPBV	92
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	985707	9.05	PPBV	98
85)	m-DICHLOROBENZENE	18.90	146	493779	9.23	PPBV	99
86)	BENZYL CHLORIDE	18.89	91	646031	9.40	PPBV	97
87)	p-DICHLOROBENZENE	18.98	146	461625	9.16	PPBV	98
88)	SEC-BUTYLBENZENE	18.98	134	324171	9.09	PPBV	98
89)	p-ISOPROPYLTOLUENE	19.16	134	326248	9.41	PPBV	93
90)	o-DICHLOROBENZENE	19.38	146	476458	8.48	PPBV	98
91)	n-BUTYLBENZENE	19.64	134	251060	9.54	PPBV	94
92)	HEXACHLOROBUTADIENE	21.81	225	345181	10.32	PPBV	99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	177390	9.57	PPBV	94

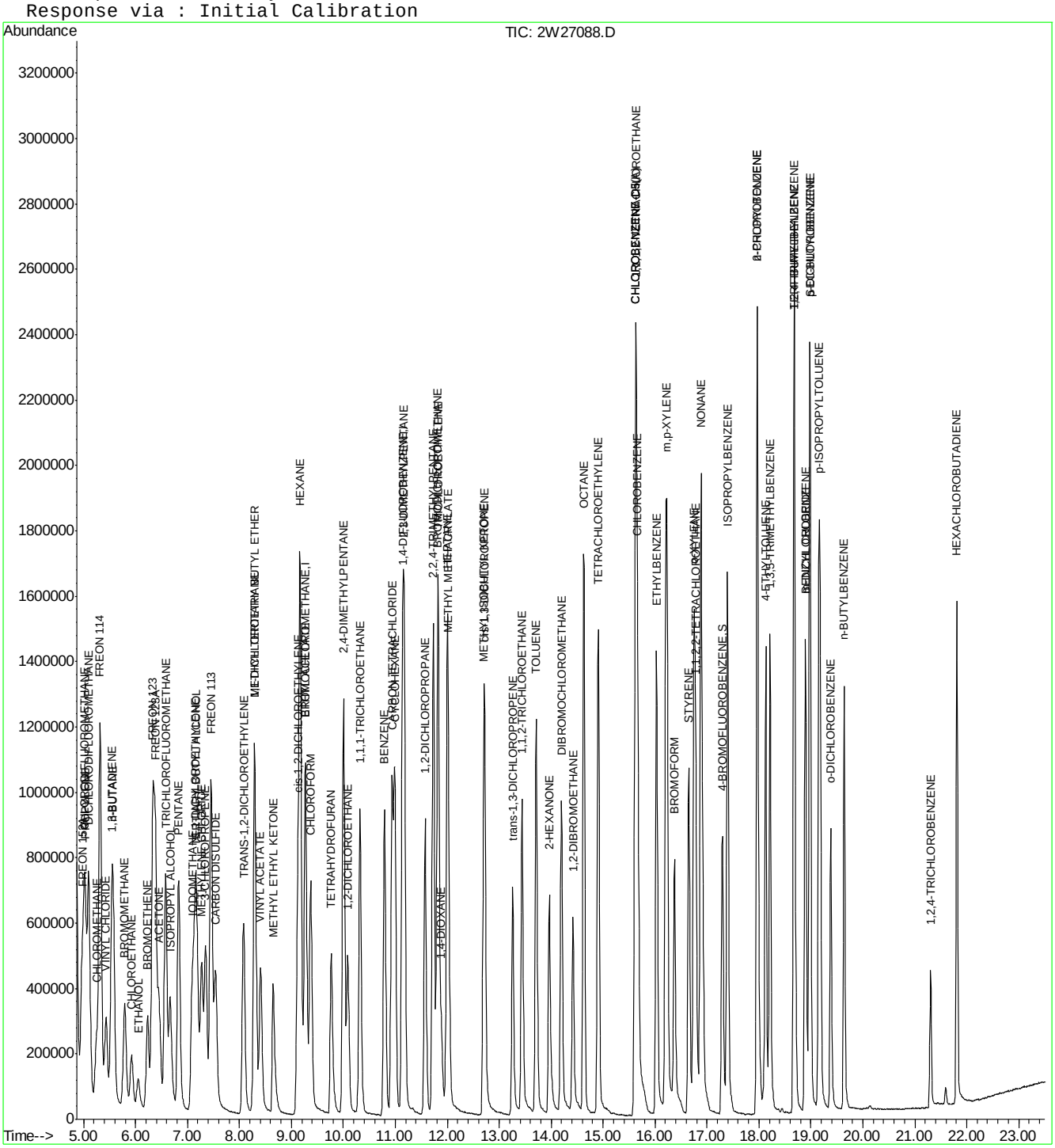
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27088.D Vial: 3
Acq On : 4 May 2010 12:42 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 13:07 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27112.D Vial: 3
Acq On : 5 May 2010 1:26 pm Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 13:51:39 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 13:38:20 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	265012	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1348943	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	794531	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	794213	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	483204	5.85	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 117.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1412011	11.58	PPBV		96
4) FREON 152A	4.97	65	364941	9.05	PPBV		87
5) CHLORODIFLUOROMETHANE	5.01	67	186348	13.40	PPBV		96
6) PROPYLENE	5.04	41	454523	8.62	PPBV		94
8) FREON 114	5.32	85	1361247	10.33	PPBV		95
9) CHLOROMETHANE	5.25	52	176193	8.76	PPBV		94
10) VINYL CHLORIDE	5.43	62	604626	9.96	PPBV		100
11) 1,3-BUTADIENE	5.54	54	457703	9.64	PPBV		88
12) n-BUTANE	5.57	43	887453	9.25	PPBV		99
13) BROMOMETHANE	5.79	94	511512	11.25	PPBV		99
14) CHLOROETHANE	5.92	64	319001	10.22	PPBV		98
15) FREON 123	6.33	83	932886	9.50	PPBV	#	95
16) FREON 123A	6.38	117	521771	10.46	PPBV		91
17) TRICHLOROFLUOROMETHANE	6.58	101	1264611	12.25	PPBV		97
18) ISOPROPYL ALCOHOL	6.68	45	754569	10.02	PPBV		93
19) ACETONE	6.46	58	176459	8.52	PPBV	#	73
20) PENTANE	6.83	42	475583	8.78	PPBV		87
22) IODOMETHANE	7.09	142	855613	10.05	PPBV	#	75
23) 1,1-DICHLOROETHYLENE	7.15	96	333705	8.77	PPBV	#	77
24) CARBON DISULFIDE	7.54	76	1123684	9.15	PPBV		89
25) ETHANOL	6.06	45	217185	10.39	PPBV		98
26) BROMOETHENE	6.24	106	443773	11.00	PPBV	#	96
27) METHYLENE CHLORIDE	7.28	84	309425	8.38	PPBV		88
28) 3-CHLOROPROPENE	7.34	76	182970	8.96	PPBV	#	72
29) FREON 113	7.45	151	511499	10.01	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	383264	8.57	PPBV	#	88
31) TERTIARY BUTYL ALCOHOL	7.20	59	940629	12.37	PPBV		93
32) METHYL TERTIARY BUTYL ETHE	8.30	73	1104349	9.91	PPBV		95
33) TETRAHYDROFURAN	9.77	72	193397	9.39	PPBV	#	88
34) HEXANE	9.16	57	601166	8.47	PPBV	#	85
35) VINYL ACETATE	8.41	86	79974	9.24	PPBV	#	59
36) 1,1-DICHLOROETHANE	8.29	63	794499	9.20	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	185074	9.73	PPBV	#	76
38) cis-1,2-DICHLOROETHYLENE	9.13	96	393770	8.79	PPBV		89
39) ETHYL ACETATE	9.27	61	108520	9.01	PPBV	#	68
40) CHLOROFORM	9.37	83	894925	10.41	PPBV		96
41) 2,4-DIMETHYLPENTANE	10.00	57	801922	8.64	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	998269	10.90	PPBV		97
43) CARBON TETRACHLORIDE	10.94	117	973084	10.95	PPBV		98
44) 1,2-DICHLOROETHANE	10.08	62	666026	11.77	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27112.D Vial: 3
Acq On : 5 May 2010 1:26 pm Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 13:51:39 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 13:38:20 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

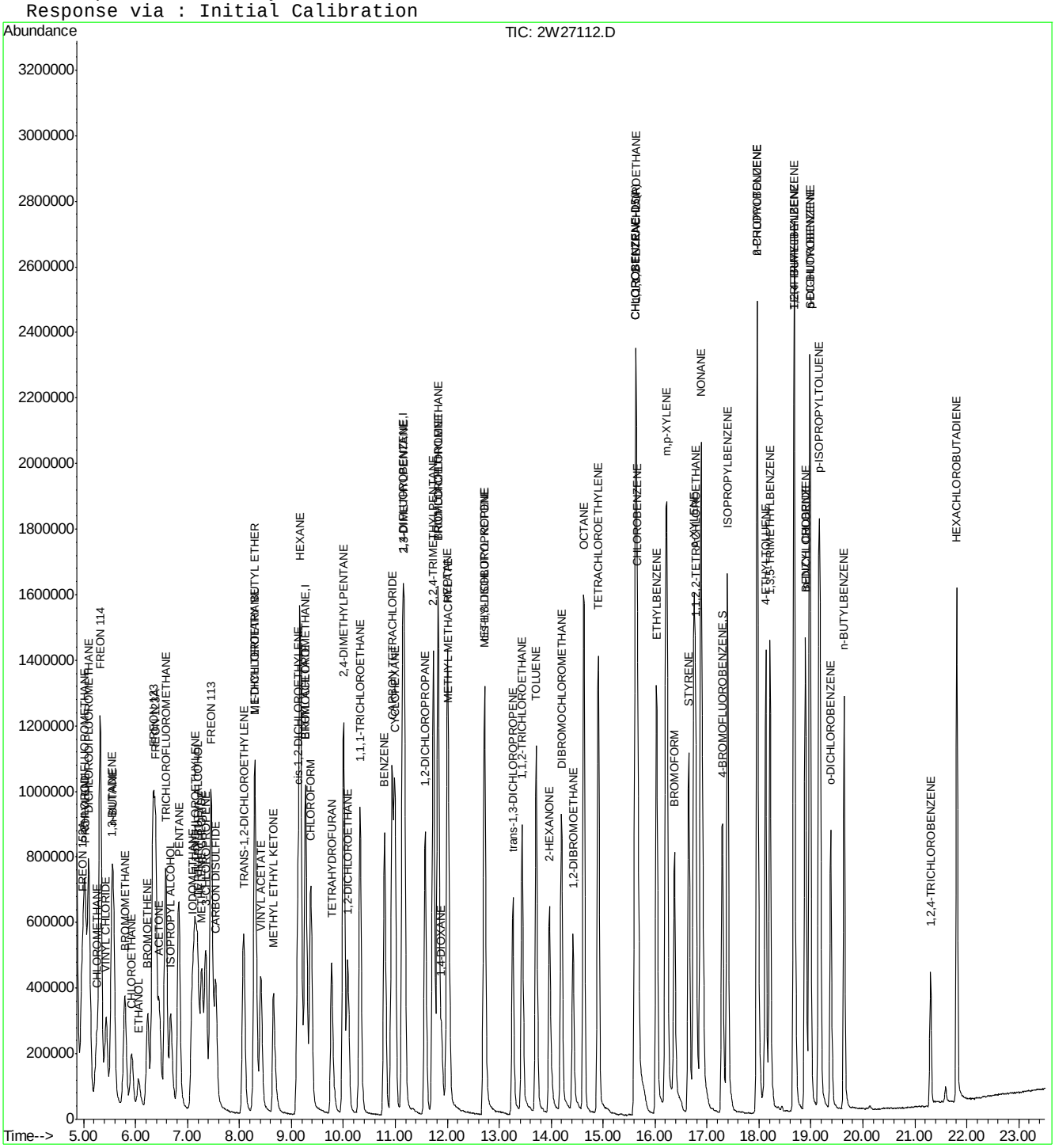
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1158967	8.24	PPBV		96
47)	CYCLOHEXANE	10.99	84	694968	8.99	PPBV		93
48)	2,3-DIMETHYLPENTANE	11.17	71	278845	8.09	PPBV		92
49)	TRICHLOROETHYLENE	11.83	95	472317	8.68	PPBV		95
50)	1,2-DICHLOROPROPANE	11.58	63	461117	8.58	PPBV		87
51)	BROMODICHLOROMETHANE	11.82	83	848974	9.76	PPBV		98
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1794168	7.94	PPBV		99
53)	1,4-DIOXANE	11.89	88	220390	8.26	PPBV		88
54)	METHYL METHACRYLATE	12.03	69	367952	9.28	PPBV	#	77
55)	HEPTANE	12.00	43	742955	8.64	PPBV		93
57)	METHYL ISOBUTYL KETONE	12.70	43	840545	10.45	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	12.72	75	667862	9.60	PPBV	#	80
59)	TOLUENE	13.71	92	750331	8.83	PPBV		97
60)	trans-1,3-DICHLOROPROPENE	13.26	75	607615	11.09	PPBV		87
61)	1,1,2-TRICHLOROETHANE	13.44	83	381401	8.97	PPBV		99
63)	2-HEXANONE	13.97	58	375017	9.05	PPBV	#	81
64)	TETRACHLOROETHYLENE	14.91	164	436149	7.78	PPBV		95
65)	DIBROMOCHLOROMETHANE	14.20	129	743770	8.84	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	585437	8.31	PPBV		99
67)	OCTANE	14.63	43	954848	7.85	PPBV		95
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	544063	8.65	PPBV		99
69)	CHLOROBENZENE	15.67	112	755041	7.69	PPBV		93
70)	ETHYLBENZENE	16.03	91	1428954	8.02	PPBV		96
71)	m,p-XYLENE	16.22	106	1061730	15.58	PPBV		93
72)	o-XYLENE	16.75	106	573509	8.15	PPBV		92
73)	STYRENE	16.65	104	754416	9.92	PPBV		93
74)	NONANE	16.88	43	938794	9.58	PPBV		96
75)	BROMOFORM	16.37	173	562685	9.78	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.78	83	742957	8.54	PPBV		98
78)	ISOPROPYLBENZENE	17.39	105	1450202	7.86	PPBV		96
79)	2-CHLOROTOLUENE	17.97	126	351588	8.14	PPBV	#	92
80)	n-PROPYLBENZENE	17.97	120	373534	8.88	PPBV		97
81)	4-ETHYLTOLUENE	18.13	105	1176892	9.12	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.21	105	1090094	8.87	PPBV		96
83)	TERT-BUTYLBENZENE	18.67	134	279019	8.75	PPBV		87
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	939978	8.91	PPBV		98
85)	m-DICHLOROBENZENE	18.90	146	458007	8.85	PPBV		98
86)	BENZYL CHLORIDE	18.89	91	627729	9.43	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	428774	8.79	PPBV		97
88)	SEC-BUTYLBENZENE	18.98	134	299311	8.67	PPBV		94
89)	p-ISOPROPYLTOLUENE	19.15	134	309160	9.21	PPBV	#	90
90)	o-DICHLOROBENZENE	19.38	146	442493	8.13	PPBV		97
91)	n-BUTYLBENZENE	19.64	134	234226	9.19	PPBV		93
92)	HEXACHLOROBUTADIENE	21.81	225	338503	10.45	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	168114	9.36	PPBV		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27112.D Vial: 3
Acq On : 5 May 2010 1:26 pm Operator: yunxiac
Sample : bs Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 13:51 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



ACCUTEST Laboratories
JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27113.D Vial: 3
Acq On : 5 May 2010 2:09 pm Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:33:39 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:21:11 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	271050	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1340970	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	779873	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	779303	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	473289	5.84	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 116.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1323512	10.61	PPBV		98
4) FREON 152A	4.97	65	334093	8.10	PPBV		88
5) CHLORODIFLUOROMETHANE	5.01	67	173039	12.17	PPBV		96
6) PROPYLENE	5.04	41	405481	7.52	PPBV		92
8) FREON 114	5.32	85	1241014	9.21	PPBV		94
9) CHLOROMETHANE	5.26	52	158743	7.72	PPBV	#	88
10) VINYL CHLORIDE	5.43	62	545610	8.79	PPBV		99
11) 1,3-BUTADIENE	5.54	54	416265	8.57	PPBV	#	87
12) n-BUTANE	5.57	43	819678	8.35	PPBV		99
13) BROMOMETHANE	5.79	94	472905	10.17	PPBV		98
14) CHLOROETHANE	5.92	64	300191	9.41	PPBV		96
15) FREON 123	6.33	83	990623	9.86	PPBV	#	96
16) FREON 123A	6.38	117	550327	10.79	PPBV		89
17) TRICHLOROFLUOROMETHANE	6.58	101	1268808	12.01	PPBV		98
18) ISOPROPYL ALCOHOL	6.68	45	764253	9.92	PPBV		93
19) ACETONE	6.46	58	179472	8.47	PPBV	#	72
20) PENTANE	6.83	42	480857	8.68	PPBV		89
22) IODOMETHANE	7.09	142	815179	9.36	PPBV	#	76
23) 1,1-DICHLOROETHYLENE	7.15	96	318414	8.18	PPBV	#	81
24) CARBON DISULFIDE	7.54	76	1114599	8.87	PPBV		90
25) ETHANOL	6.07	45	210362	9.84	PPBV		95
26) BROMOETHENE	6.23	106	439304	10.64	PPBV	#	97
27) METHYLENE CHLORIDE	7.28	84	305542	8.09	PPBV		91
28) 3-CHLOROPROPENE	7.35	76	187673	8.98	PPBV	#	72
29) FREON 113	7.45	151	530952	10.15	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	403296	8.81	PPBV		91
31) TERTIARY BUTYL ALCOHOL	7.20	59	900692	11.58	PPBV		94
32) METHYL TERTIARY BUTYL ETHE	8.30	73	1133991	9.95	PPBV		95
33) TETRAHYDROFURAN	9.77	72	195291	9.27	PPBV	#	89
34) HEXANE	9.16	57	608193	8.38	PPBV	#	84
35) VINYL ACETATE	8.42	86	83138	9.39	PPBV	#	68
36) 1,1-DICHLOROETHANE	8.29	63	815626	9.23	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	187091	9.62	PPBV	#	70
38) cis-1,2-DICHLOROETHYLENE	9.13	96	407046	8.89	PPBV		89
39) ETHYL ACETATE	9.27	61	111393	9.05	PPBV	#	75
40) CHLOROFORM	9.38	83	939547	10.69	PPBV		97
41) 2,4-DIMETHYLPENTANE	10.00	57	819926	8.64	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	1025337	10.95	PPBV		97
43) CARBON TETRACHLORIDE	10.94	117	1014041	11.16	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	717449	12.40	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27113.D Vial: 3
Acq On : 5 May 2010 2:09 pm Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:33:39 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:21:11 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

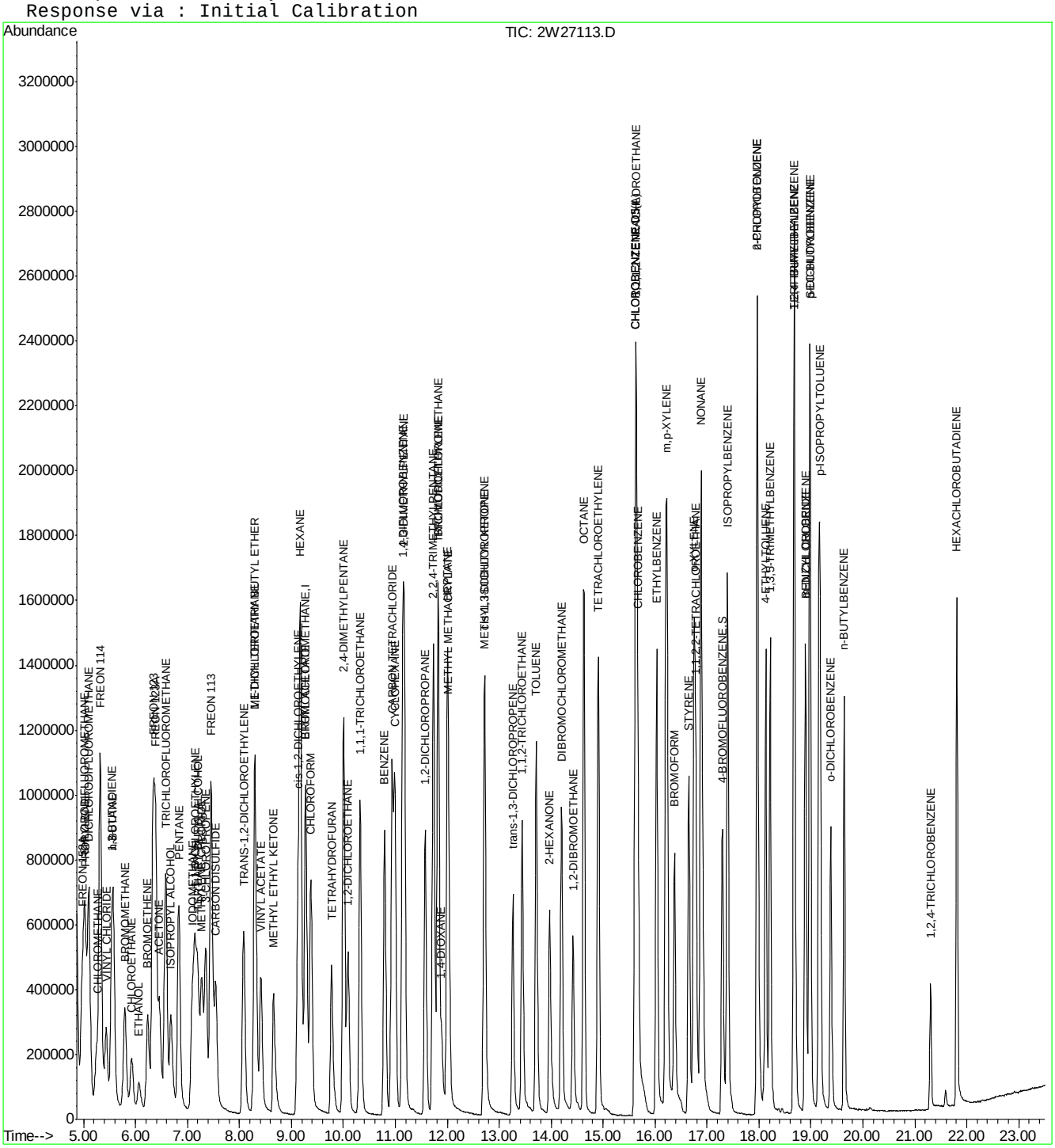
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1198739	8.57	PPBV		96
47)	CYCLOHEXANE	10.99	84	711665	9.26	PPBV		93
48)	2,3-DIMETHYLPENTANE	11.17	71	289478	8.45	PPBV		92
49)	TRICHLOROETHYLENE	11.83	95	483741	8.95	PPBV		95
50)	1,2-DICHLOROPROPANE	11.58	63	475846	8.91	PPBV		87
51)	BROMODICHLOROMETHANE	11.82	83	862471	9.98	PPBV		97
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1849044	8.23	PPBV		100
53)	1,4-DIOXANE	11.89	88	216951	8.18	PPBV		94
54)	METHYL METHACRYLATE	12.03	69	369663	9.37	PPBV	#	78
55)	HEPTANE	12.00	43	757522	8.86	PPBV		94
57)	METHYL ISOBUTYL KETONE	12.70	43	847554	10.60	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	12.72	75	677925	9.80	PPBV	#	79
59)	TOLUENE	13.71	92	775490	9.18	PPBV		98
60)	trans-1,3-DICHLOROPROPENE	13.26	75	624753	11.47	PPBV		86
61)	1,1,2-TRICHLOROETHANE	13.44	83	389936	9.23	PPBV		100
63)	2-HEXANONE	13.97	58	378051	9.30	PPBV	#	83
64)	TETRACHLOROETHYLENE	14.91	164	443654	8.06	PPBV		96
65)	DIBROMOCHLOROMETHANE	14.20	129	765146	9.27	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	592137	8.56	PPBV		100
67)	OCTANE	14.63	43	974894	8.16	PPBV		96
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	563878	9.13	PPBV		94
69)	CHLOROBENZENE	15.67	112	771465	8.01	PPBV		94
70)	ETHYLBENZENE	16.03	91	1468084	8.40	PPBV		97
71)	m,p-XYLENE	16.22	106	1083844	16.21	PPBV		95
72)	o-XYLENE	16.75	106	543911	7.88	PPBV		90
73)	STYRENE	16.65	104	717882	9.62	PPBV		92
74)	NONANE	16.88	43	909516	9.45	PPBV		96
75)	BROMOFORM	16.37	173	573117	10.15	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	702166	8.22	PPBV		98
78)	ISOPROPYLBENZENE	17.40	105	1488459	8.22	PPBV		96
79)	2-CHLOROTOLUENE	17.97	126	359953	8.49	PPBV	#	94
80)	n-PROPYLBENZENE	17.97	120	378391	9.16	PPBV		97
81)	4-ETHYLTOLUENE	18.13	105	1192374	9.42	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1105303	9.17	PPBV		96
83)	TERT-BUTYLBENZENE	18.67	134	282136	9.02	PPBV		86
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	951056	9.18	PPBV		98
85)	m-DICHLOROBENZENE	18.90	146	461856	9.09	PPBV		98
86)	BENZYL CHLORIDE	18.89	91	618435	9.47	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	426870	8.91	PPBV		96
88)	SEC-BUTYLBENZENE	18.98	134	304911	8.99	PPBV		96
89)	p-ISOPROPYLTOLUENE	19.16	134	311881	9.47	PPBV	#	90
90)	o-DICHLOROBENZENE	19.38	146	443799	8.31	PPBV		96
91)	n-BUTYLBENZENE	19.64	134	234917	9.39	PPBV		93
92)	HEXACHLOROBUTADIENE	21.81	225	342913	10.79	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	156695	8.89	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27113.D Vial: 3
Acq On : 5 May 2010 2:09 pm Operator: yunxiac
Sample : bsd Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:33 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26780.D Vial: 3
Acq On : 15 Apr 2010 12:30 pm Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 12:55:03 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 12:53:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	268506	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1140739	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.64	82	524095	10.00	PPBV		-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	524095	10.00	PPBV		-0.01
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	282684	5.66	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 113.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1235060	10.88	PPBV		98
4) FREON 152A	4.97	65	262575	11.18	PPBV		88
5) CHLORODIFLUOROMETHANE	5.01	67	155836	12.10	PPBV		94
6) PROPYLENE	5.04	41	277143	9.38	PPBV		97
8) FREON 114	5.32	85	1035288	9.40	PPBV		89
9) CHLOROMETHANE	5.26	52	113824	10.03	PPBV		99
10) VINYL CHLORIDE	5.44	62	444399	11.72	PPBV		99
11) 1,3-BUTADIENE	5.54	54	294523	9.57	PPBV		88
12) n-BUTANE	5.58	43	601855	9.15	PPBV		98
13) BROMOMETHANE	5.80	94	453499	10.70	PPBV		100
14) CHLOROETHANE	5.93	64	208034	9.86	PPBV		97
15) FREON 123	6.34	83	835723	9.28	PPBV	#	97
16) FREON 123A	6.39	117	576393	9.76	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.58	101	1276635	11.55	PPBV		99
18) ISOPROPYL ALCOHOL	6.69	45	645146	11.15	PPBV		98
19) ACETONE	6.47	58	115764	7.93	PPBV	#	81
20) PENTANE	6.84	42	365453	9.05	PPBV		93
23) IODOMETHANE	7.11	142	1165511	10.93	PPBV		91
24) 1,1-DICHLOROETHYLENE	7.16	96	327164	8.99	PPBV		91
25) CARBON DISULFIDE	7.56	76	881305	8.64	PPBV		94
26) ETHANOL	6.07	45	138954	9.54	PPBV		99
27) BROMOETHENE	6.24	106	466820	11.59	PPBV	#	98
28) METHYLENE CHLORIDE	7.29	84	266540	8.64	PPBV		95
29) 3-CHLOROPROPENE	7.36	76	144545	9.66	PPBV	#	89
30) FREON 113	7.47	151	634395	9.74	PPBV		96
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	328404	9.37	PPBV		95
32) TERTIARY BUTYL ALCOHOL	7.20	59	792096	11.52	PPBV		96
33) METHYL TERTIARY BUTYL ETHE	8.32	73	791544	8.85	PPBV		99
34) TETRAHYDROFURAN	9.80	72	118021	8.82	PPBV		98
35) HEXANE	9.18	57	397539	8.45	PPBV		94
36) VINYL ACETATE	8.43	86	51824	8.13	PPBV	#	85
37) 1,1-DICHLOROETHANE	8.31	63	547467	8.65	PPBV		98
38) METHYL ETHYL KETONE	8.68	72	120449	8.70	PPBV		93
39) cis-1,2-DICHLOROETHYLENE	9.14	96	330616	8.53	PPBV		96
40) ETHYL ACETATE	9.29	61	64655	10.00	PPBV	#	71
41) CHLOROFORM	9.39	83	708473	9.78	PPBV		97
42) 2,4-DIMETHYLPENTANE	10.02	57	522310	8.89	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.34	97	857001	9.82	PPBV		98
44) CARBON TETRACHLORIDE	10.96	117	902947	10.90	PPBV		99
45) 1,2-DICHLOROETHANE	10.11	62	505618	10.42	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26780.D Vial: 3
Acq On : 15 Apr 2010 12:30 pm Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 12:55:03 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 12:53:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

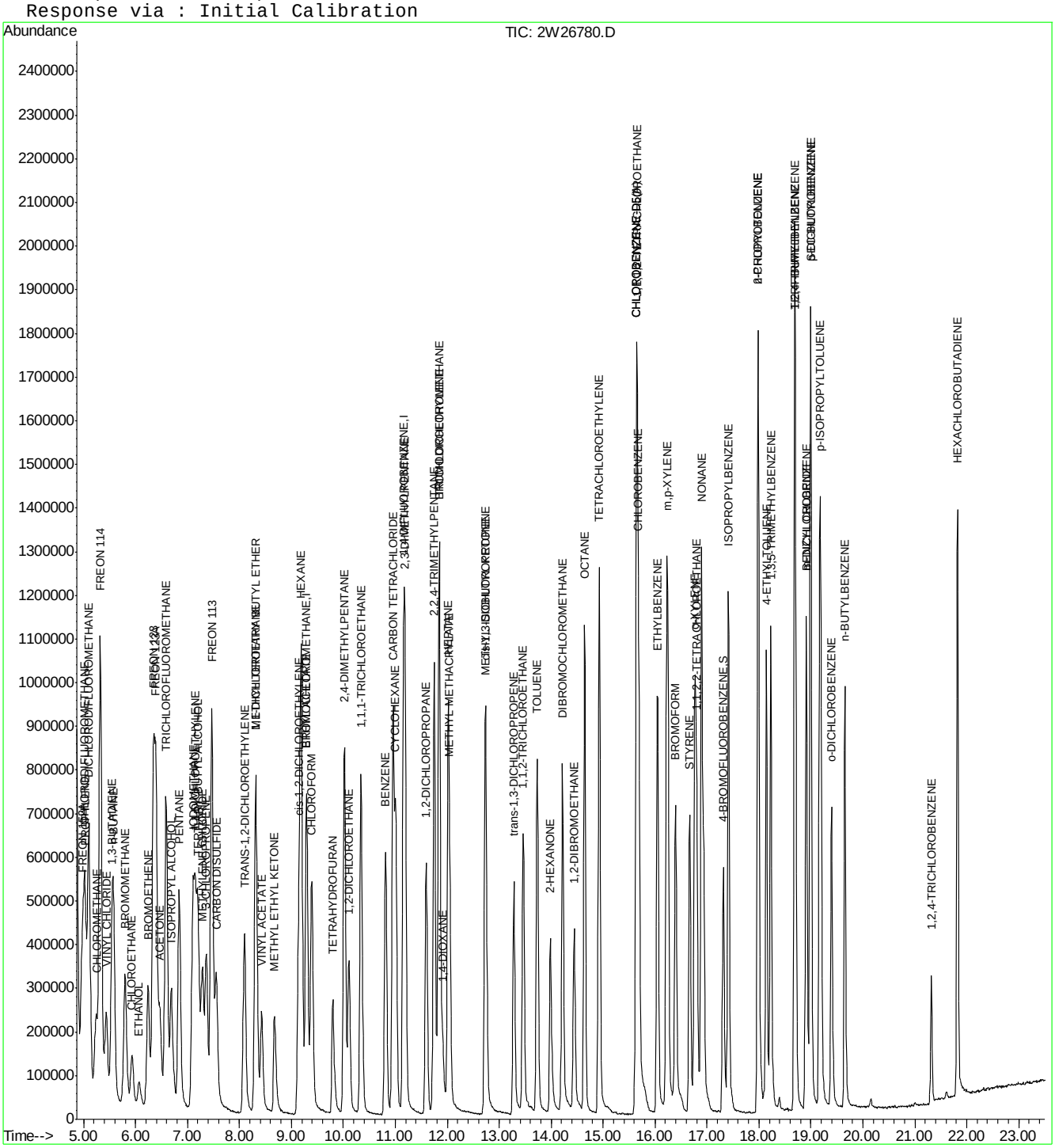
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	816733	8.54	PPBV		96
48)	CYCLOHEXANE	11.01	84	533077	9.13	PPBV		93
49)	2,3-DIMETHYLPENTANE	11.19	71	187722	8.25	PPBV		96
50)	TRICHLOROETHYLENE	11.85	95	391733	9.01	PPBV		97
51)	1,2-DICHLOROPROPANE	11.59	63	267298	8.22	PPBV		89
52)	BROMODICHLOROMETHANE	11.83	83	657744	9.77	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1239366	8.46	PPBV		100
54)	1,4-DIOXANE	11.91	88	164288	8.65	PPBV		94
55)	METHYL METHACRYLATE	12.05	69	228253	10.63	PPBV		91
56)	HEPTANE	12.02	43	451488	8.67	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.72	43	533335	11.56	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.74	75	442494	9.46	PPBV	#	82
60)	TOLUENE	13.73	92	550150	8.81	PPBV		93
61)	trans-1,3-DICHLOROPROPENE	13.28	75	464473	12.23	PPBV		93
62)	1,1,2-TRICHLOROETHANE	13.46	83	252798	9.52	PPBV		97
64)	2-HEXANONE	13.99	58	213901	9.82	PPBV		91
65)	TETRACHLOROETHYLENE	14.92	164	471715	9.00	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.22	129	702532	10.61	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	481107	10.03	PPBV		100
68)	OCTANE	14.64	43	565849	8.34	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.65	131	493753	9.80	PPBV		96
70)	CHLOROBENZENE	15.69	112	636331	9.22	PPBV		96
71)	ETHYLBENZENE	16.05	91	1016609	8.68	PPBV		96
72)	m,p-XYLENE	16.24	106	781138	16.33	PPBV		90
73)	o-XYLENE	16.77	106	384398	7.78	PPBV	#	84
74)	STYRENE	16.66	104	506996	9.93	PPBV		91
75)	NONANE	16.90	43	519080	9.22	PPBV		99
76)	BROMOFORM	16.40	173	566860	12.58	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	456217	9.33	PPBV		99
79)	ISOPROPYLBENZENE	17.41	105	1126777	8.67	PPBV		96
80)	2-CHLOROTOLUENE	17.98	126	287579	9.00	PPBV		95
81)	n-PROPYLBENZENE	17.98	120	292560	9.68	PPBV		90
82)	4-ETHYLTOLUENE	18.14	105	933481	10.71	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	871393	10.00	PPBV		94
84)	TERT-BUTYLBENZENE	18.69	134	239417	10.07	PPBV		93
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	768985	10.15	PPBV		95
86)	m-DICHLOROBENZENE	18.91	146	437537	11.28	PPBV		99
87)	BENZYL CHLORIDE	18.91	91	448897	10.80	PPBV		98
88)	p-DICHLOROBENZENE	18.99	146	406675	10.35	PPBV		98
89)	SEC-BUTYLBENZENE	19.00	134	257275	9.85	PPBV		98
90)	p-ISOPROPYLTOLUENE	19.17	134	278713	10.85	PPBV		95
91)	o-DICHLOROBENZENE	19.40	146	417909	10.06	PPBV		98
92)	n-BUTYLBENZENE	19.65	134	212551	11.35	PPBV		98
93)	HEXACHLOROBUTADIENE	21.82	225	351796	14.44	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.32	180	145547	11.56	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26780.D Vial: 3
Acq On : 15 Apr 2010 12:30 pm Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 12:57 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26781.D Vial: 3
Acq On : 15 Apr 2010 1:13 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 13:46:52 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	274747	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1232340	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.64	82	576471	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.64	82	576627	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	314513	5.72	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 114.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1256787	10.82	PPBV		96
4) FREON 152A	4.97	65	260101	10.83	PPBV		86
5) CHLORODIFLUOROMETHANE	5.01	67	153075	11.61	PPBV		93
6) PROPYLENE	5.04	41	299682	9.91	PPBV		93
8) FREON 114	5.32	85	999965	8.88	PPBV		89
9) CHLOROMETHANE	5.25	52	111163	9.58	PPBV		94
10) VINYL CHLORIDE	5.44	62	426467	11.00	PPBV		99
11) 1,3-BUTADIENE	5.54	54	293948	9.34	PPBV		89
12) n-BUTANE	5.57	43	586617	8.72	PPBV		98
13) BROMOMETHANE	5.79	94	451471	10.41	PPBV		99
14) CHLOROETHANE	5.93	64	223517	10.36	PPBV		98
15) FREON 123	6.34	83	907189	9.84	PPBV	#	98
16) FREON 123A	6.39	117	624799	10.34	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.58	101	1290871	11.42	PPBV		100
18) ISOPROPYL ALCOHOL	6.69	45	621686	10.50	PPBV		97
19) ACETONE	6.47	58	113562	7.60	PPBV	#	82
20) PENTANE	6.84	42	379809	9.19	PPBV		92
23) IODOMETHANE	7.11	142	1207737	11.07	PPBV		92
24) 1,1-DICHLOROETHYLENE	7.16	96	344822	9.26	PPBV		91
25) CARBON DISULFIDE	7.55	76	879477	8.43	PPBV		94
26) ETHANOL	6.07	45	134071	8.99	PPBV		99
27) BROMOETHENE	6.24	106	471683	11.44	PPBV	#	99
28) METHYLENE CHLORIDE	7.28	84	284953	9.03	PPBV		95
29) 3-CHLOROPROPENE	7.37	76	156687	10.24	PPBV	#	89
30) FREON 113	7.47	151	690167	10.35	PPBV		95
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	357273	9.96	PPBV		96
32) TERTIARY BUTYL ALCOHOL	7.21	59	798972	11.36	PPBV		96
33) METHYL TERTIARY BUTYL ETHE	8.31	73	813204	8.89	PPBV		99
34) TETRAHYDROFURAN	9.80	72	118360	8.65	PPBV		99
35) HEXANE	9.18	57	435112	9.04	PPBV		95
36) VINYL ACETATE	8.43	86	54279	8.32	PPBV	#	85
37) 1,1-DICHLOROETHANE	8.31	63	608364	9.39	PPBV		98
38) METHYL ETHYL KETONE	8.67	72	109297	7.71	PPBV	#	90
39) cis-1,2-DICHLOROETHYLENE	9.15	96	361378	9.11	PPBV		97
40) ETHYL ACETATE	9.30	61	64674	9.78	PPBV	#	66
41) CHLOROFORM	9.39	83	774290	10.45	PPBV		98
42) 2,4-DIMETHYLPENTANE	10.02	57	571239	9.50	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.34	97	917223	10.27	PPBV		97
44) CARBON TETRACHLORIDE	10.96	117	958757	11.31	PPBV		99
45) 1,2-DICHLOROETHANE	10.11	62	559391	11.27	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26781.D Vial: 3
Acq On : 15 Apr 2010 1:13 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 13:46:52 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

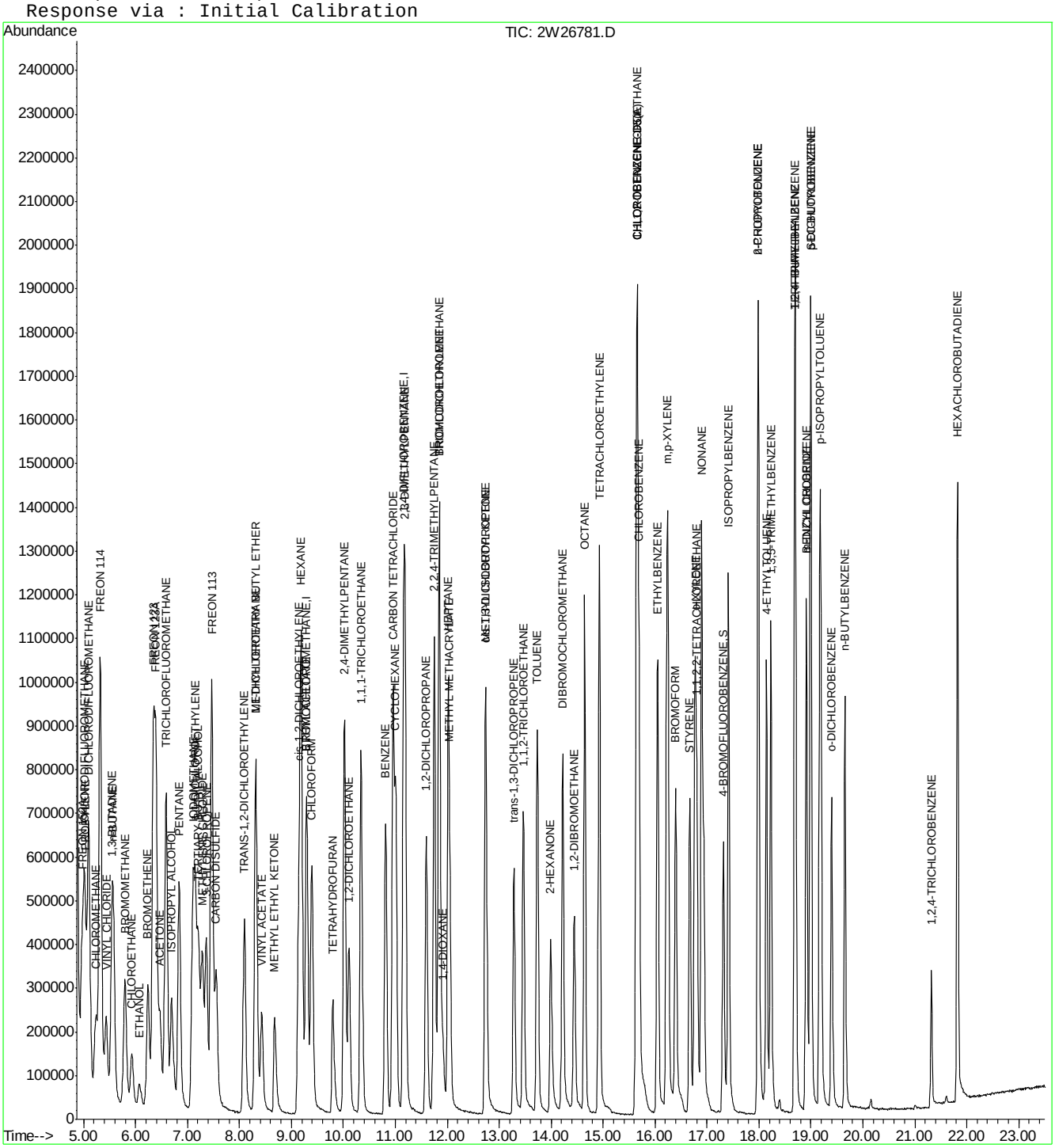
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	916882	8.88	PPBV		97
48)	CYCLOHEXANE	11.01	84	576534	9.14	PPBV		93
49)	2,3-DIMETHYLPENTANE	11.19	71	206858	8.41	PPBV		100
50)	TRICHLOROETHYLENE	11.85	95	423192	9.01	PPBV		97
51)	1,2-DICHLOROPROPANE	11.60	63	300478	8.56	PPBV		91
52)	BROMODICHLOROMETHANE	11.84	83	698886	9.61	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1335311	8.44	PPBV		99
54)	1,4-DIOXANE	11.91	88	173298	8.45	PPBV		92
55)	METHYL METHACRYLATE	12.05	69	225619	9.73	PPBV	#	1
56)	HEPTANE	12.02	43	481350	8.56	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.73	43	525210	10.54	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.75	75	480668	9.51	PPBV		85
60)	TOLUENE	13.73	92	608320	9.02	PPBV		95
61)	trans-1,3-DICHLOROPROPENE	13.28	75	496465	12.10	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.46	83	263855	9.19	PPBV		99
64)	2-HEXANONE	13.99	58	220761	9.21	PPBV		89
65)	TETRACHLOROETHYLENE	14.93	164	498888	8.65	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.22	129	740399	10.17	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	512953	9.72	PPBV		99
68)	OCTANE	14.64	43	604474	8.10	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.66	131	528603	9.54	PPBV		97
70)	CHLOROBENZENE	15.69	112	680987	8.97	PPBV		95
71)	ETHYLBENZENE	16.05	91	1106350	8.59	PPBV		97
72)	m,p-XYLENE	16.24	106	837884	15.92	PPBV		90
73)	o-XYLENE	16.77	106	411588	7.57	PPBV	#	86
74)	STYRENE	16.67	104	546602	9.73	PPBV		93
75)	NONANE	16.90	43	551145	8.90	PPBV		99
76)	BROMOFORM	16.40	173	597070	12.04	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	471506	8.76	PPBV		99
79)	ISOPROPYLBENZENE	17.41	105	1175018	8.22	PPBV		96
80)	2-CHLOROTOLUENE	17.98	126	309546	8.81	PPBV	#	90
81)	n-PROPYLBENZENE	17.99	120	300126	9.03	PPBV		87
82)	4-ETHYLTOLUENE	18.14	105	939986	9.80	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	873691	9.12	PPBV		95
84)	TERT-BUTYLBENZENE	18.69	134	238487	9.12	PPBV		93
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	769019	9.23	PPBV		96
86)	m-DICHLOROBENZENE	18.92	146	464094	10.88	PPBV		98
87)	BENZYL CHLORIDE	18.91	91	450191	9.85	PPBV		97
88)	p-DICHLOROBENZENE	18.99	146	426279	9.86	PPBV		98
89)	SEC-BUTYLBENZENE	19.00	134	262241	9.12	PPBV		98
90)	p-ISOPROPYLTOLUENE	19.17	134	276514	9.78	PPBV		94
91)	o-DICHLOROBENZENE	19.40	146	438177	9.59	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	211888	10.28	PPBV		98
93)	HEXACHLOROBUTADIENE	21.82	225	373798	13.95	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	21.32	180	155131	11.20	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26781.D Vial: 3
Acq On : 15 Apr 2010 1:13 pm Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:24 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 09:59:50 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.67	128	95503	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.36	114	477460	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	252410	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	252224	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	142623	5.12	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.40%			
Target Compounds						Qvalue
3) FREON 152A	4.18	65	88536	10.41	PPBV	91
4) CHLORODIFLUOROMETHANE	4.21	67	33394	10.10	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.27	85	339327	10.02	PPBV	100
6) PROPYLENE	4.23	41	112747	12.01	PPBV	100
7) FREON 114	4.45	85	359168	10.11	PPBV	99
8) CHLOROMETHANE	4.39	50	121662	10.97	PPBV	96
9) VINYL CHLORIDE	4.54	62	135384	10.51	PPBV	99
10) 1,3-BUTADIENE	4.62	54	100631	11.74	PPBV	99
11) n-BUTANE	4.64	43	187134	10.86	PPBV	98
12) BROMOMETHANE	4.82	94	128246	10.63	PPBV	100
13) CHLOROETHANE	4.92	64	70878	10.97	PPBV	99
14) FREON 123	5.23	83	296791	10.43	PPBV	100
15) FREON 123A	5.27	117	177229	10.43	PPBV	96
16) TRICHLOROFLUOROMETHANE	5.43	101	332223	10.38	PPBV	100
17) ISOPROPYL ALCOHOL	5.53	45	182692	10.04	PPBV	100
18) ACETONE	5.34	58	53542	9.94	PPBV	97
19) PENTANE	5.63	42	114010	10.04	PPBV	99
20) TVHC as EQUIV PENTANE	5.63	TIC	546709m	10.61	PPBV	
21) IODOMETHANE	5.84	142	332540	10.73	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.88	96	118434	10.19	PPBV	99
23) CARBON DISULFIDE	6.20	76	345711	9.96	PPBV	99
24) ETHANOL	5.06	45	45402	9.43	PPBV	99
25) BROMOETHENE	5.16	106	127037	10.73	PPBV	100
26) METHYLENE CHLORIDE	5.98	84	104709	9.85	PPBV	99
27) 3-CHLOROPROPENE	6.05	76	55570	10.77	PPBV	99
28) FREON 113	6.14	151	207711	10.33	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	119772	10.18	PPBV	97
30) TERTIARY BUTYL ALCOHOL	5.93	59	241602	10.92	PPBV	100
31) METHYL TERTIARY BUTYL ETHE	6.83	73	308299	10.64	PPBV	98
32) TETRAHYDROFURAN	8.11	72	53606	11.14	PPBV	92
33) HEXANE	7.58	57	178201	11.07	PPBV	99
34) VINYL ACETATE	6.94	86	25473	11.73	PPBV #	80
35) 1,1-DICHLOROETHANE	6.82	63	217467	10.36	PPBV	99
36) METHYL ETHYL KETONE	7.14	72	53780	11.29	PPBV #	91
37) cis-1,2-DICHLOROETHYLENE	7.54	96	123027	10.74	PPBV	97
38) DIISOPROPYL ETHER	7.60	45	330718	11.54	PPBV	96
39) ETHYL ACETATE	7.68	61	31102	10.83	PPBV #	89
40) CHLOROFORM	7.77	83	247991	10.43	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	225044	10.81	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.61	97	262004	10.50	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 09:59:50 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	271706	10.28	PPBV		100
44)	1,2-DICHLOROETHANE	8.39	62	145825	10.87	PPBV		99
46)	BENZENE	9.04	78	360116	10.01	PPBV		99
47)	CYCLOHEXANE	9.21	56	190318	10.46	PPBV		96
48)	2,3-DIMETHYLPENTANE	9.40	71	82324	9.41	PPBV		94
49)	TRICHLOROETHYLENE	9.99	95	151106	9.95	PPBV		98
50)	1,2-DICHLOROPROPANE	9.75	63	136491	9.93	PPBV		99
51)	BROMODICHLOROMETHANE	9.97	83	259935	10.84	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	573291	10.53	PPBV		99
53)	1,4-DIOXANE	10.05	88	70865	9.51	PPBV		96
54)	HEPTANE	10.17	43	206466	11.27	PPBV		94
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1343155m	11.36	PPBV		
56)	METHYL METHACRYLATE	10.19	69	107031	11.85	PPBV		90
57)	METHYL ISOBUTYL KETONE	10.82	43	209432	12.37	PPBV		96
58)	cis-1,3-DICHLOROPROPENE	10.83	75	201946	11.61	PPBV		98
59)	TOLUENE	11.76	92	241739	10.16	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.34	75	161822	11.70	PPBV		97
61)	1,1,2-TRICHLOROETHANE	11.51	83	123323	11.17	PPBV		98
63)	2-HEXANONE	12.02	43	197953	10.80	PPBV		95
64)	TETRACHLOROETHYLENE	12.91	164	157988	9.09	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.22	129	256968	10.64	PPBV		100
66)	1,2-DIBROMOETHANE	12.43	107	195245	10.49	PPBV		99
67)	OCTANE	12.68	43	286826	11.58	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	177352	10.21	PPBV		98
69)	CHLOROBENZENE	13.64	112	289128	9.74	PPBV		98
70)	ETHYLBENZENE	14.00	91	501361	10.44	PPBV		99
71)	m,p-XYLENE	14.19	106	362343	20.98	PPBV		95
72)	o-XYLENE	14.69	106	178778	10.61	PPBV		97
73)	STYRENE	14.60	104	247590	11.17	PPBV		98
74)	NONANE	14.87	43	268222	12.66	PPBV		95
75)	BROMOFORM	14.31	173	215180	11.21	PPBV		100
77)	1,1,2,2-TETRACHLOROETHANE	14.73	83	241928	11.00	PPBV		100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	192477	10.90	PPBV		98
79)	ISOPROPYLBENZENE	15.35	105	522308	10.32	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	117269	11.01	PPBV		99
81)	n-PROPYLBENZENE	15.94	120	127513	10.87	PPBV		100
82)	4-ETHYLTOLUENE	16.11	105	446614	11.52	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	374990	11.19	PPBV		98
84)	tert-BUTYLBENZENE	16.68	134	84019	10.59	PPBV		99
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	345969	11.79	PPBV		99
86)	m-DICHLOROBENZENE	16.89	146	194804	10.80	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	229459	11.73	PPBV		98
88)	p-DICHLOROBENZENE	16.98	146	182477	10.65	PPBV		99
89)	sec-BUTYLBENZENE	17.00	134	99624	10.83	PPBV		96
90)	p-ISOPROPYLTOLUENE	17.19	134	98139	10.55	PPBV		98
91)	o-DICHLOROBENZENE	17.39	146	174762	10.70	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	73885	10.38	PPBV	#	90
93)	HEXACHLOROBUTADIENE	19.94	225	59935	10.58	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	33549	11.35	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 09:59:50 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

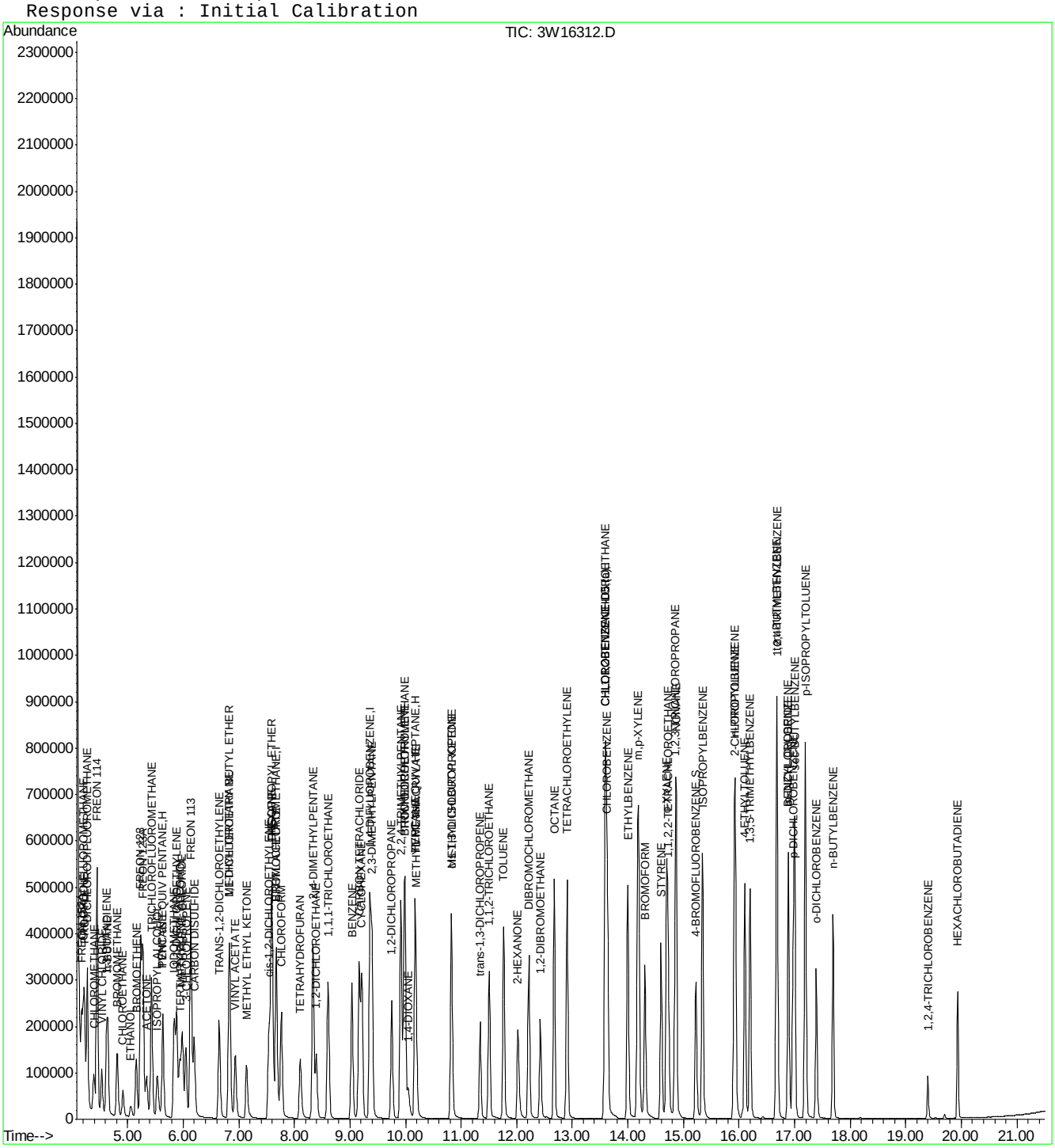
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:05 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

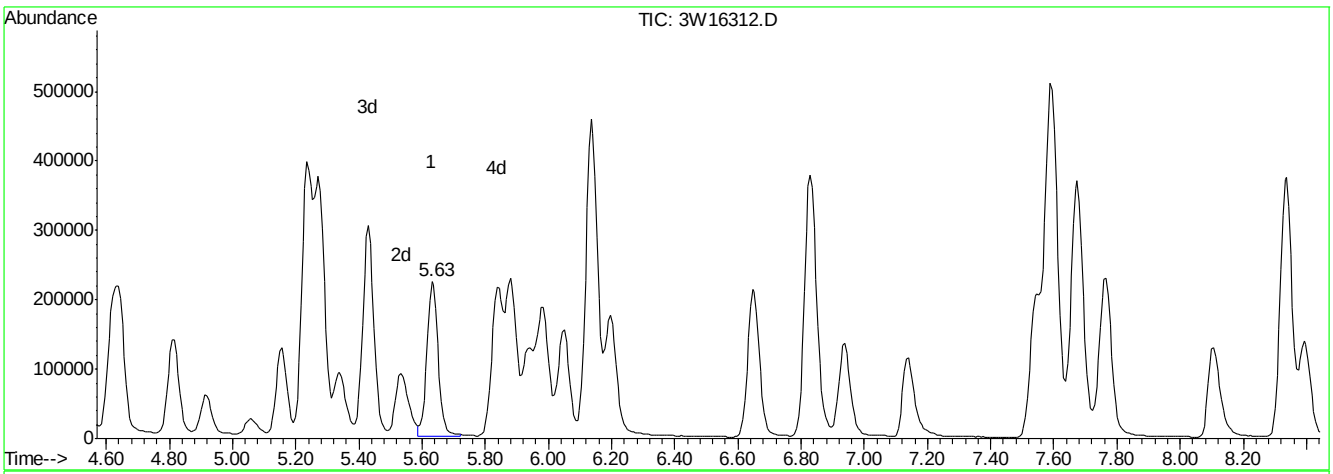


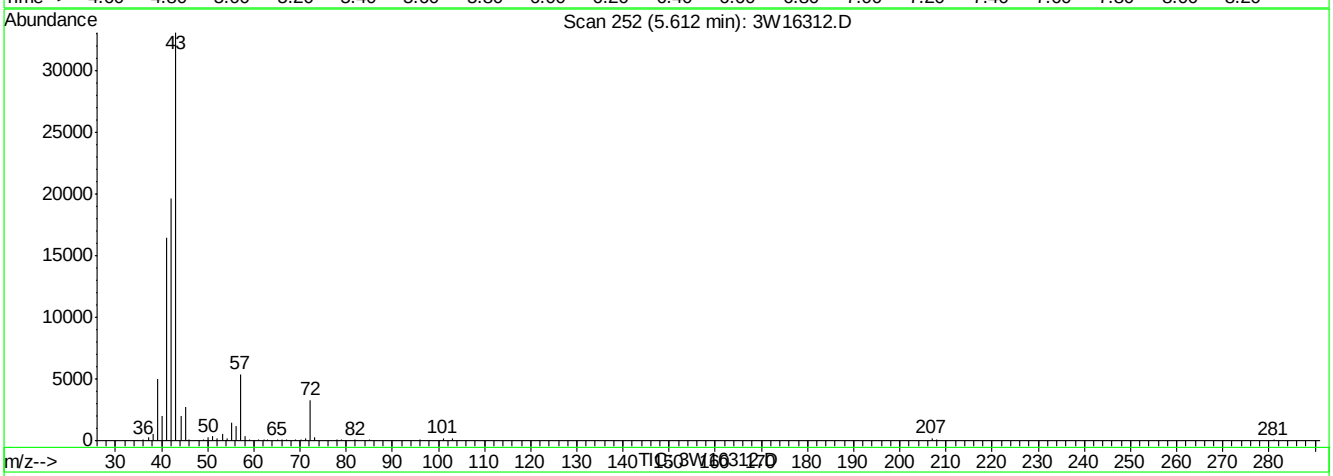
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.63min 10.61PPBV m

response 546709

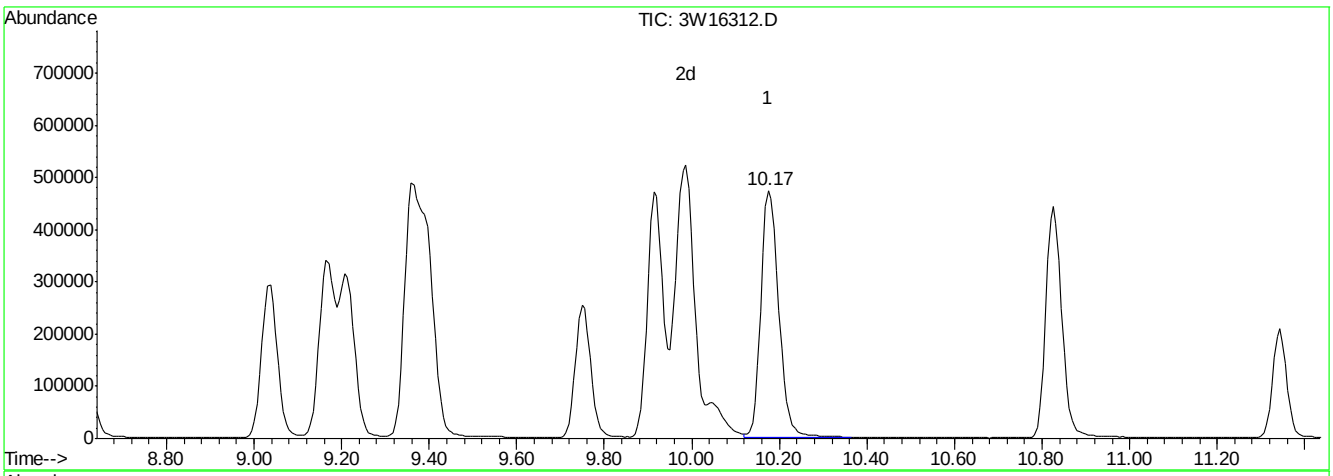
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.02#
0.00	0.00	0.00

3W16312.D M3W644.M Mon Apr 19 15:04:26 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16312.D Vial: 3
Acq On : 16 Apr 2010 9:34 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.17min 11.36PPBV m

response 1343155

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.01#
0.00	0.00	0.00

3W16312.D M3W644.M Mon Apr 19 15:05:01 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 10:37:09 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.68	128	98316	10.00	PPBV	0.02
45) 1,4-DIFLUOROBENZENE	9.37	114	481266	10.00	PPBV	0.02
62) CHLOROBENZENE-D5	13.60	82	249053	10.00	PPBV	0.01
95) CHLOROBENZENE-D5 (a)	13.60	82	248792	10.00	PPBV	0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.24	95	137890	5.01	PPBV	0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
3) FREON 152A	4.18	65	86153	9.84	PPBV	93
4) CHLORODIFLUOROMETHANE	4.21	67	33487	9.83	PPBV	96
5) DICHLORODIFLUOROMETHANE	4.27	85	353745	10.15	PPBV	100
6) PROPYLENE	4.22	41	113075	11.70	PPBV	99
7) FREON 114	4.46	85	366044	10.01	PPBV	100
8) CHLOROMETHANE	4.40	50	122500	10.73	PPBV	97
9) VINYL CHLORIDE	4.54	62	139028	10.49	PPBV	99
10) 1,3-BUTADIENE	4.62	54	100844	11.43	PPBV	98
11) n-BUTANE	4.65	43	197039	11.10	PPBV	89
12) BROMOMETHANE	4.82	94	126473	10.18	PPBV	100
13) CHLOROETHANE	4.92	64	69852	10.50	PPBV	99
14) FREON 123	5.25	83	292880	10.00	PPBV	100
15) FREON 123A	5.28	117	174724	9.99	PPBV	96
16) TRICHLOROFLUOROMETHANE	5.44	101	333333	10.11	PPBV	100
17) ISOPROPYL ALCOHOL	5.57	45	167727	8.95	PPBV	99
18) ACETONE	5.36	58	49860	9.00	PPBV	100
19) PENTANE	5.64	42	116419	9.96	PPBV	99
20) TVHC as EQUIV PENTANE	5.64	TIC	580564m	10.94	PPBV	
21) IODOMETHANE	5.85	142	335493	10.52	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.89	96	118288	9.89	PPBV	99
23) CARBON DISULFIDE	6.21	76	353638	9.90	PPBV	100
24) ETHANOL	5.09	45	44425	8.97	PPBV	99
25) BROMOETHENE	5.16	106	127943	10.49	PPBV	99
26) METHYLENE CHLORIDE	6.00	84	104719	9.57	PPBV	100
27) 3-CHLOROPROPENE	6.06	76	54688	10.29	PPBV	97
28) FREON 113	6.15	151	206589	9.98	PPBV	98
29) TRANS-1,2-DICHLOROETHYLENE	6.66	96	119928	9.90	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.97	59	202848	8.90	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.85	73	292714	9.81	PPBV	98
32) TETRAHYDROFURAN	8.12	72	48261	9.74	PPBV	93
33) HEXANE	7.60	57	175599	10.60	PPBV	100
34) VINYL ACETATE	6.96	86	23967	10.72	PPBV #	84
35) 1,1-DICHLOROETHANE	6.83	63	213578	9.89	PPBV	100
36) METHYL ETHYL KETONE	7.16	72	50548	10.31	PPBV	91
37) cis-1,2-DICHLOROETHYLENE	7.55	96	122524	10.39	PPBV	98
38) DIISOPROPYL ETHER	7.61	45	310366	10.52	PPBV	96
39) ETHYL ACETATE	7.70	61	29732	10.05	PPBV #	91
40) CHLOROFORM	7.78	83	245663	10.04	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	220547	10.29	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.62	97	258888	10.08	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 10:37:09 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.18	117	269847	9.91	PPBV	100
44)	1,2-DICHLOROETHANE	8.41	62	141684	10.26	PPBV	99
46)	BENZENE	9.05	78	355133	9.80	PPBV	100
47)	CYCLOHEXANE	9.22	56	188995	10.31	PPBV	96
48)	2,3-DIMETHYLPENTANE	9.40	71	81214	9.21	PPBV	97
49)	TRICHLOROETHYLENE	10.00	95	151100	9.87	PPBV	98
50)	1,2-DICHLOROPROPANE	9.76	63	130884	9.44	PPBV	100
51)	BROMODICHLOROMETHANE	9.99	83	256304	10.60	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.93	57	561870	10.24	PPBV	99
53)	1,4-DIOXANE	10.07	88	72309	9.62	PPBV	99
54)	HEPTANE	10.18	43	203713	11.03	PPBV	95
55)	TVHC as EQUIV HEPTANE	10.19	TIC	1336194m	11.22	PPBV	
56)	METHYL METHACRYLATE	10.21	69	103062	11.32	PPBV	91
57)	METHYL ISOBUTYL KETONE	10.84	43	210747	12.35	PPBV	97
58)	cis-1,3-DICHLOROPROPENE	10.84	75	194629	11.10	PPBV	98
59)	TOLUENE	11.77	92	233635	9.75	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.35	75	154840	11.11	PPBV	98
61)	1,1,2-TRICHLOROETHANE	11.52	83	118616	10.66	PPBV	99
63)	2-HEXANONE	12.04	43	198589	10.98	PPBV	96
64)	TETRACHLOROETHYLENE	12.91	164	157878	9.20	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.23	129	251158	10.54	PPBV	100
66)	1,2-DIBROMOETHANE	12.44	107	189927	10.34	PPBV	100
67)	OCTANE	12.68	43	276399	11.31	PPBV	94
68)	1,1,1,2-TETRACHLOROETHANE	13.62	131	170806	9.97	PPBV	99
69)	CHLOROBENZENE	13.64	112	278266	9.50	PPBV	98
70)	ETHYLBENZENE	14.01	91	475882	10.04	PPBV	99
71)	m,p-XYLENE	14.20	106	344115	20.19	PPBV	95
72)	o-XYLENE	14.71	106	168716	10.15	PPBV	98
73)	STYRENE	14.61	104	232214	10.62	PPBV	99
74)	NONANE	14.88	43	251887	12.05	PPBV	96
75)	BROMOFORM	14.32	173	208040	10.98	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.74	83	228362	10.52	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.86	75	179253	10.29	PPBV	99
79)	ISOPROPYLBENZENE	15.35	105	492639	9.86	PPBV	99
80)	2-CHLOROTOLUENE	15.92	126	112050	10.67	PPBV	99
81)	n-PROPYLBENZENE	15.94	120	118795	10.26	PPBV	100
82)	4-ETHYLTOLUENE	16.11	105	411894	10.76	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.21	105	352264	10.66	PPBV	98
84)	tert-BUTYLBENZENE	16.68	134	78540	10.03	PPBV	98
85)	1,2,4-TRIMETHYLBENZENE	16.70	105	322096	11.12	PPBV	99
86)	m-DICHLOROBENZENE	16.90	146	182018	10.22	PPBV	99
87)	BENZYL CHLORIDE	16.90	91	208672	10.81	PPBV	99
88)	p-DICHLOROBENZENE	16.98	146	169460	10.02	PPBV	99
89)	sec-BUTYLBENZENE	17.01	134	92450	10.19	PPBV	96
90)	p-ISOPROPYLTOLUENE	17.20	134	91086	9.92	PPBV	98
91)	o-DICHLOROBENZENE	17.40	146	160778	9.98	PPBV	99
92)	n-BUTYLBENZENE	17.70	134	68805	9.80	PPBV	93
93)	HEXACHLOROBUTADIENE	19.94	225	47858	8.56	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	28297	9.70	PPBV	99

(#) = qualifier out of range (m) = manual integration
3W16313.D M3W644.M Mon Apr 19 15:08:17 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 10:37:09 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

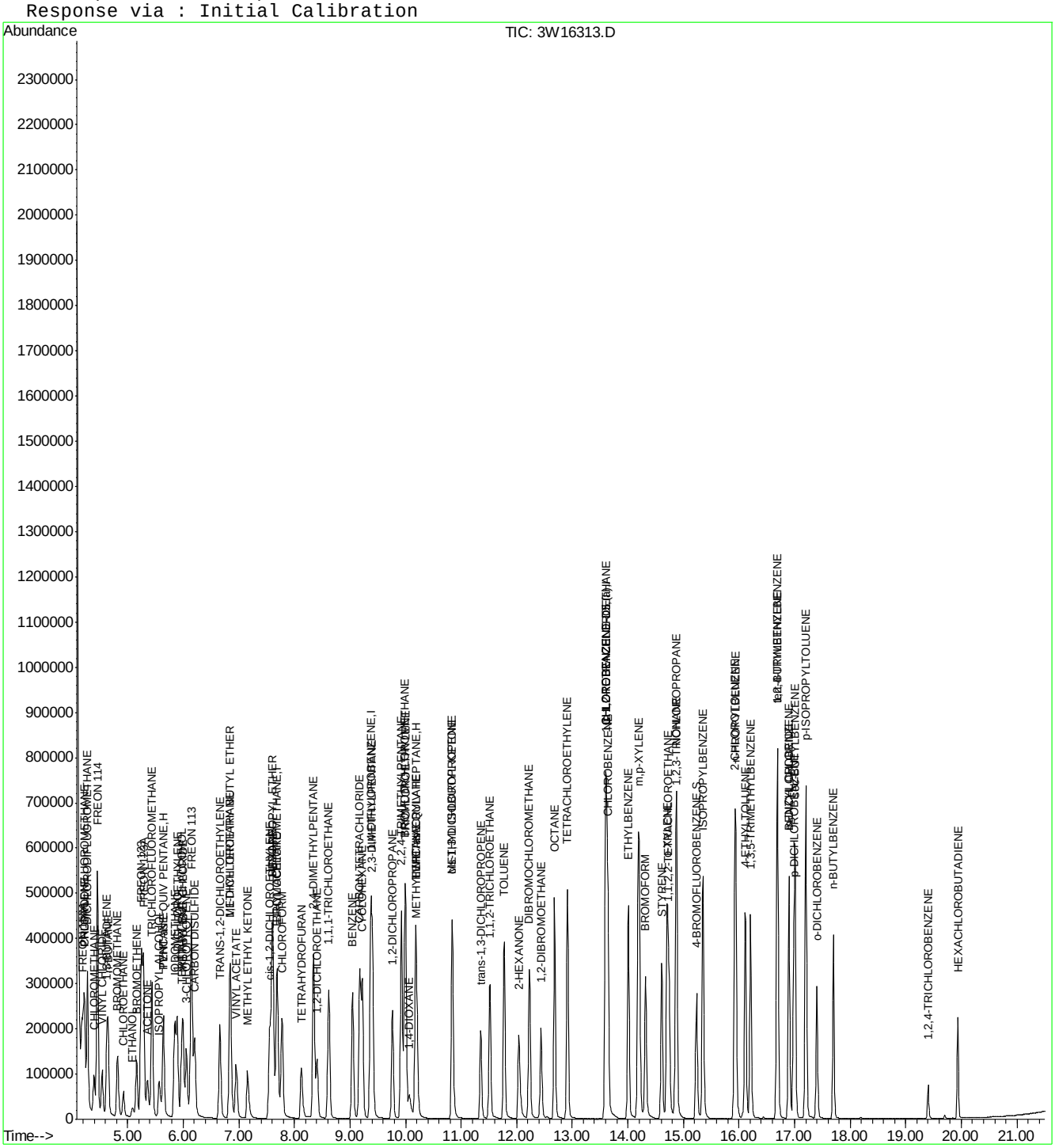
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:08 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

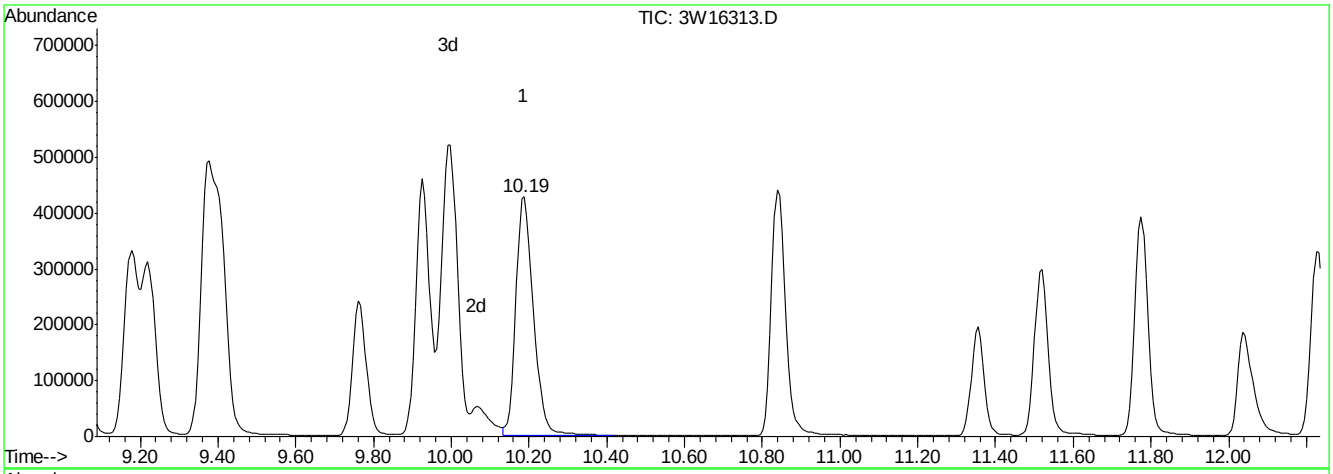


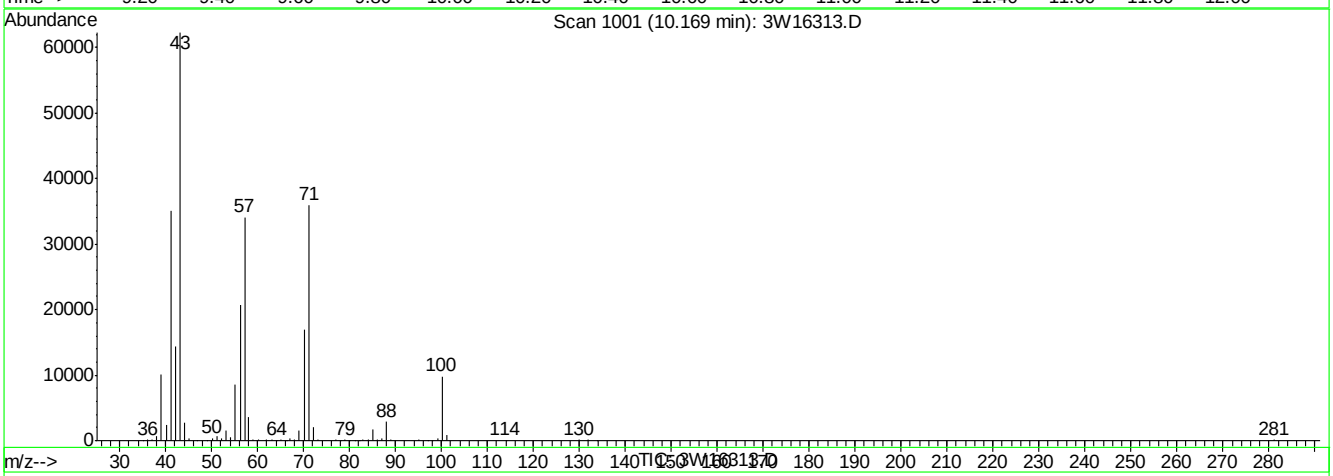
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.19min 11.22PPBV m

response 1336194

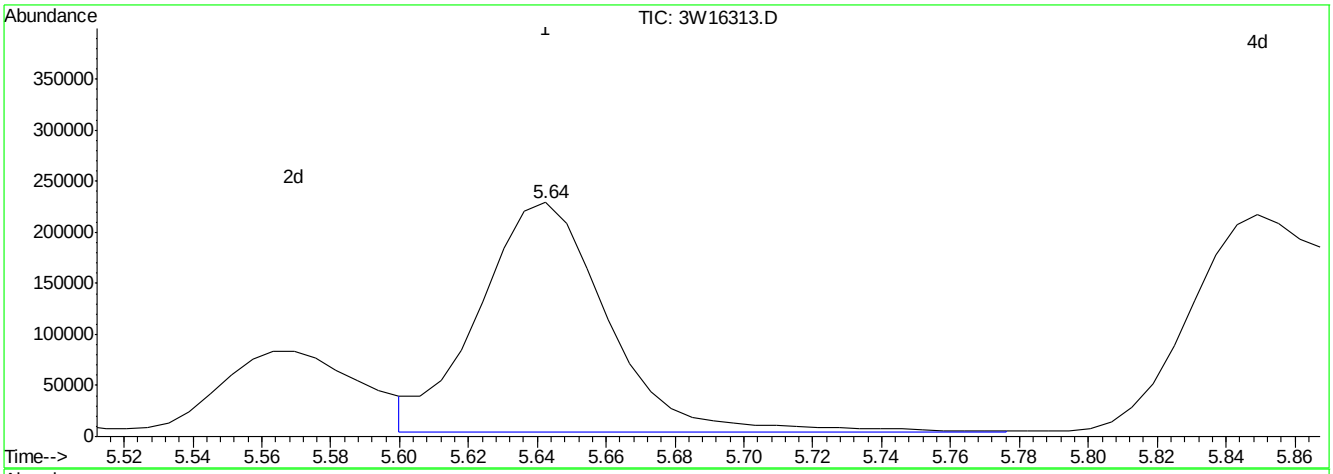
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

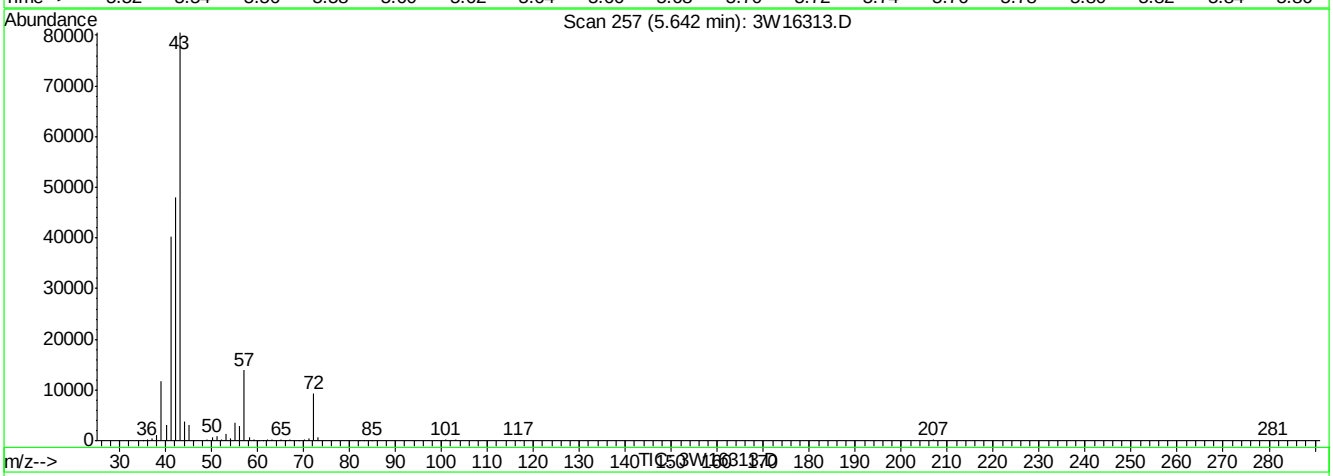
3W16313.D M3W644.M Mon Apr 19 15:08:08 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16313.D Vial: 3
Acq On : 16 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 10:47:34 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.64min 10.94PPBV m

response 580564

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16313.D M3W644.M Wed Apr 21 11:11:14 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	87357	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	423433	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	219191	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	219191	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	121713	5.03	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	75590	9.72	PPBV	96
4) CHLORODIFLUOROMETHANE	4.19	67	29998	9.92	PPBV	98
5) DICHLORODIFLUOROMETHANE	4.26	85	305208	9.85	PPBV	100
6) PROPYLENE	4.21	41	99297	11.57	PPBV	99
7) FREON 114	4.43	85	304717	9.38	PPBV	100
8) CHLOROMETHANE	4.38	50	102124	10.07	PPBV	96
9) VINYL CHLORIDE	4.52	62	115137	9.78	PPBV	99
10) 1,3-BUTADIENE	4.60	54	82779	10.56	PPBV	96
11) n-BUTANE	4.63	43	163900	10.40	PPBV	98
12) BROMOMETHANE	4.80	94	107165	9.71	PPBV	100
13) CHLOROETHANE	4.90	64	57429	9.72	PPBV	99
14) FREON 123	5.22	83	244076	9.38	PPBV	99
15) FREON 123A	5.25	117	146858	9.45	PPBV	97
16) TRICHLOROFLUOROMETHANE	5.41	101	284498	9.72	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	155392	9.34	PPBV	100
18) ACETONE	5.31	58	43897	8.91	PPBV	93
19) PENTANE	5.61	42	98270	9.46	PPBV	99
20) TVHC as EQUIV PENTANE	5.61	TIC	440228m	9.34	PPBV	
21) IODOMETHANE	5.82	142	276895	9.77	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.87	96	97875	9.21	PPBV	98
23) CARBON DISULFIDE	6.18	76	294510	9.28	PPBV	99
24) ETHANOL	5.02	45	37696	8.56	PPBV	99
25) BROMOETHENE	5.14	106	106132	9.80	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	87682	9.02	PPBV	97
27) 3-CHLOROPROPENE	6.03	76	45780	9.70	PPBV	94
28) FREON 113	6.12	151	171617	9.33	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	99102	9.21	PPBV	97
30) TERTIARY BUTYL ALCOHOL	5.90	59	207707	10.26	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.80	73	244093	9.21	PPBV	98
32) TETRAHYDROFURAN	8.08	72	41775	9.49	PPBV #	90
33) HEXANE	7.56	57	145993	9.92	PPBV	98
34) VINYL ACETATE	6.91	86	19641	9.89	PPBV #	73
35) 1,1-DICHLOROETHANE	6.80	63	178797	9.32	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	41899	9.62	PPBV #	89
37) cis-1,2-DICHLOROETHYLENE	7.52	96	101922	9.73	PPBV	97
38) DIISOPROPYL ETHER	7.58	45	261262	9.96	PPBV	98
39) ETHYL ACETATE	7.66	61	24039	9.15	PPBV #	86
40) CHLOROFORM	7.74	83	207878	9.56	PPBV	99
41) 2,4-DIMETHYLPENTANE	8.32	57	186069	9.77	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.59	97	220502	9.66	PPBV	99

(#) = qualifier out of range (m) = manual integration
3W16333.D M3W644.M Tue Apr 20 10:14:53 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	229809	9.50	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	122507	9.99	PPBV		99
46)	BENZENE	9.02	78	294387	9.23	PPBV		99
47)	CYCLOHEXANE	9.20	56	156070	9.68	PPBV		97
48)	2,3-DIMETHYLPENTANE	9.38	71	68298	8.80	PPBV		95
49)	TRICHLOROETHYLENE	9.97	95	127917	9.50	PPBV		98
50)	1,2-DICHLOROPROPANE	9.74	63	110140	9.03	PPBV		99
51)	BROMODICHLOROMETHANE	9.96	83	218772	10.29	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	471314	9.77	PPBV		99
53)	1,4-DIOXANE	10.02	88	56763	8.59	PPBV		95
54)	HEPTANE	10.16	43	171728	10.57	PPBV		93
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1072365m	10.23	PPBV		
56)	METHYL METHACRYLATE	10.17	69	82547	10.31	PPBV	#	84
57)	METHYL ISOBUTYL KETONE	10.80	43	176347	11.74	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	10.81	75	165208	10.71	PPBV		96
59)	TOLUENE	11.75	92	195731	9.28	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.32	75	132234	10.78	PPBV		97
61)	1,1,2-TRICHLOROETHANE	11.49	83	99984	10.21	PPBV		98
63)	2-HEXANONE	11.99	43	166312	10.45	PPBV		94
64)	TETRACHLOROETHYLENE	12.89	164	132845	8.80	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	211884	10.11	PPBV		100
66)	1,2-DIBROMOETHANE	12.41	107	160938	9.95	PPBV		100
67)	OCTANE	12.66	43	236896	11.01	PPBV		92
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	145166	9.63	PPBV		98
69)	CHLOROBENZENE	13.62	112	233378	9.05	PPBV		98
70)	ETHYLBENZENE	13.99	91	398934	9.56	PPBV		99
71)	m,p-XYLENE	14.18	106	286415	19.10	PPBV		93
72)	o-XYLENE	14.69	106	141917	9.70	PPBV		97
73)	STYRENE	14.59	104	195826	10.17	PPBV		98
74)	NONANE	14.86	43	219156	11.91	PPBV		95
75)	BROMOFORM	14.29	173	178149	10.69	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	192708	10.09	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.84	75	152830	9.97	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	414684	9.43	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	93667	10.13	PPBV		100
81)	n-PROPYLBENZENE	15.92	120	100584	9.87	PPBV		99
82)	4-ETHYLTOLUENE	16.10	105	348967	10.36	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	296299	10.18	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	65902	9.56	PPBV		98
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	273594	10.73	PPBV		98
86)	m-DICHLOROBENZENE	16.88	146	158248	10.10	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	182246	10.73	PPBV		98
88)	p-DICHLOROBENZENE	16.96	146	147398	9.90	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	77027	9.64	PPBV	#	93
90)	p-ISOPROPYLTOLUENE	17.18	134	77067	9.54	PPBV		97
91)	o-DICHLOROBENZENE	17.38	146	141864	10.00	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	59176	9.58	PPBV		93
93)	HEXACHLOROBUTADIENE	19.93	225	51483	10.46	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	31308	12.19	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

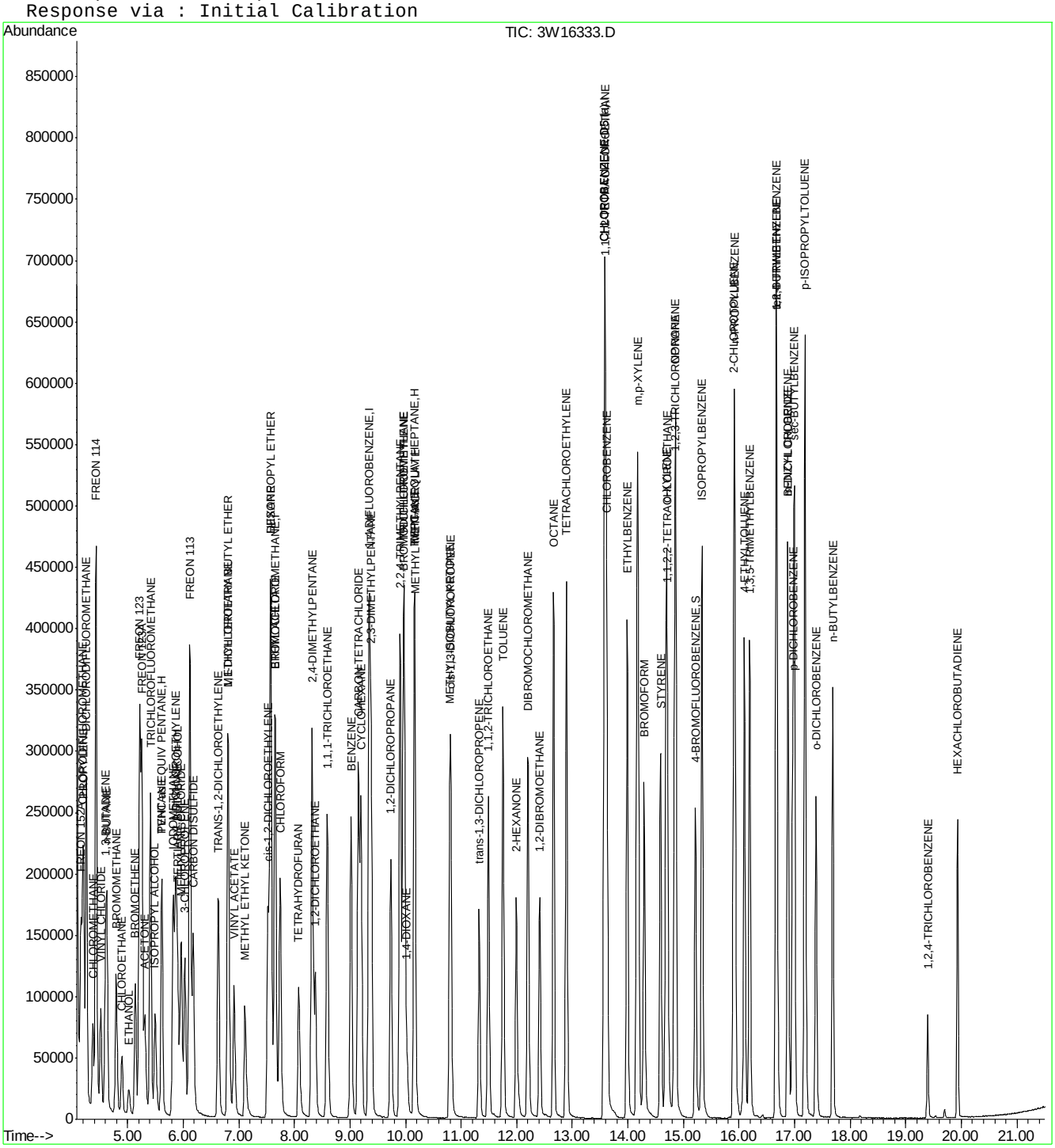
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:14 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

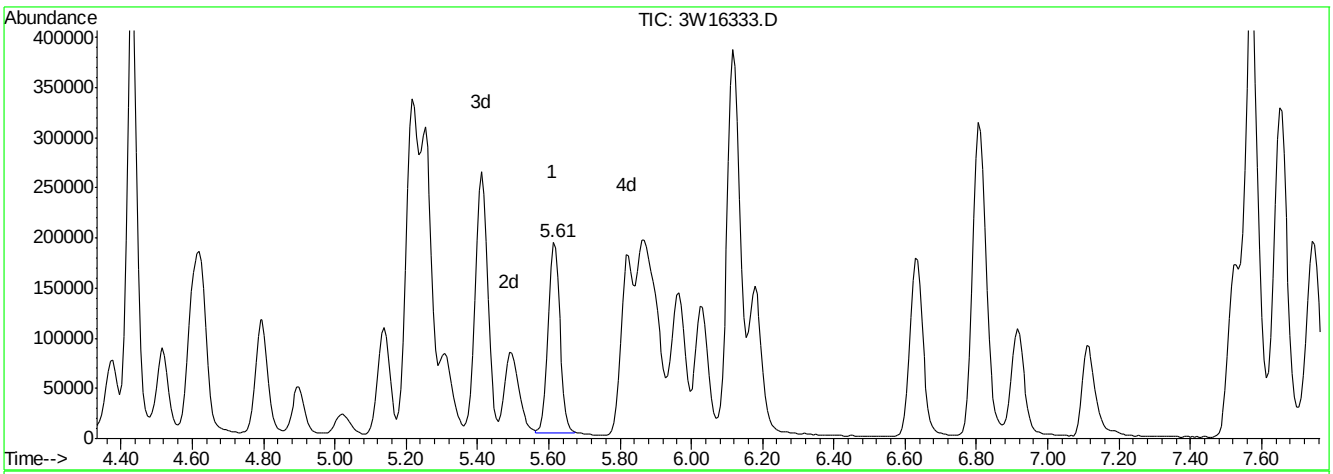


ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:13 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 9.34PPBV m

response 440228

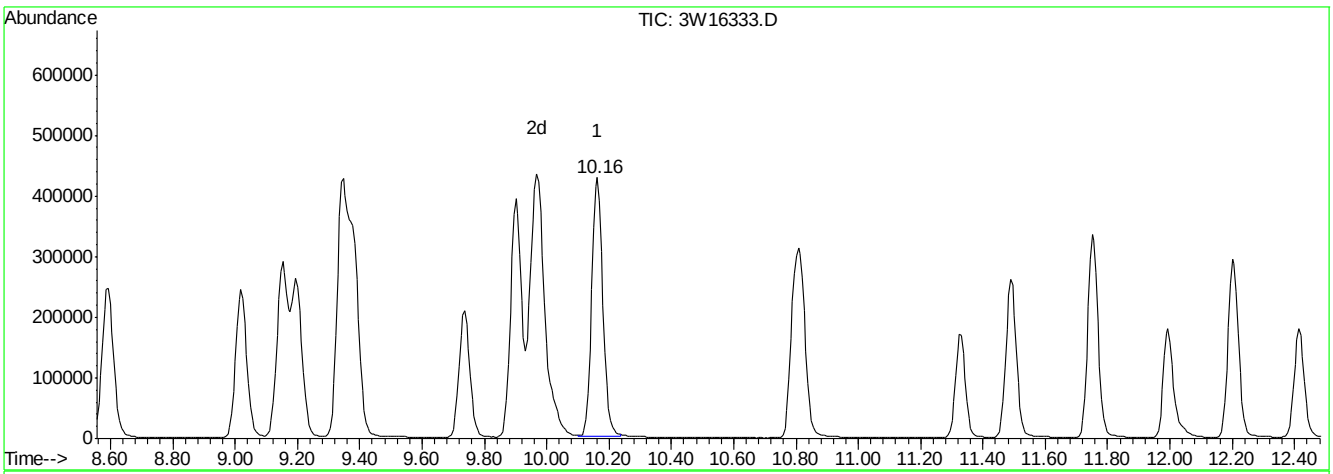
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.03#
0.00	0.00	0.03#
0.00	0.00	0.00

3W16333.D M3W644.M Tue Apr 20 10:14:05 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:14 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.23PPBV m

response 1072365

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

3W16333.D M3W644.M Tue Apr 20 10:14:31 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	92891	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	458902	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	241346	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	241479	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	138096	5.18	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	78564	9.50	PPBV	95
4) CHLORODIFLUOROMETHANE	4.19	67	30265	9.41	PPBV	98
5) DICHLORODIFLUOROMETHANE	4.26	85	304959	9.26	PPBV	100
6) PROPYLENE	4.21	41	99869	10.94	PPBV	99
7) FREON 114	4.43	85	313528	9.08	PPBV	100
8) CHLOROMETHANE	4.37	50	101815	9.44	PPBV	97
9) VINYL CHLORIDE	4.52	62	116318	9.29	PPBV	100
10) 1,3-BUTADIENE	4.60	54	85750	10.28	PPBV	98
11) n-BUTANE	4.63	43	162066	9.67	PPBV	99
12) BROMOMETHANE	4.79	94	109509	9.33	PPBV	100
13) CHLOROETHANE	4.90	64	60054	9.56	PPBV	99
14) FREON 123	5.22	83	256329	9.26	PPBV	99
15) FREON 123A	5.25	117	155243	9.39	PPBV	95
16) TRICHLOROFLUOROMETHANE	5.41	101	291193	9.35	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	160667	9.08	PPBV	100
18) ACETONE	5.31	58	47838	9.14	PPBV	98
19) PENTANE	5.61	42	99574	9.01	PPBV	99
20) TVHC as EQUIV PENTANE	5.61	TIC	466013m	9.29	PPBV	
21) IODOMETHANE	5.82	142	292171	9.69	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.86	96	101547	8.99	PPBV	100
23) CARBON DISULFIDE	6.18	76	296098	8.77	PPBV	99
24) ETHANOL	5.02	45	40037	8.55	PPBV	97
25) BROMOETHENE	5.14	106	109575	9.51	PPBV	99
26) METHYLENE CHLORIDE	5.96	84	90669	8.77	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	47426	9.45	PPBV	95
28) FREON 113	6.12	151	182804	9.35	PPBV	97
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	103720	9.07	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.90	59	213905	9.94	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.80	73	273363	9.70	PPBV	98
32) TETRAHYDROFURAN	8.08	72	47476	10.14	PPBV	91
33) HEXANE	7.56	57	151838	9.70	PPBV	97
34) VINYL ACETATE	6.91	86	22169	10.50	PPBV #	77
35) 1,1-DICHLOROETHANE	6.80	63	187343	9.18	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	46579	10.05	PPBV	92
37) cis-1,2-DICHLOROETHYLENE	7.52	96	106732	9.58	PPBV	97
38) DIISOPROPYL ETHER	7.58	45	290231	10.41	PPBV	98
39) ETHYL ACETATE	7.66	61	26480	9.48	PPBV #	86
40) CHLOROFORM	7.75	83	215908	9.34	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.32	57	192530	9.51	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.59	97	230203	9.49	PPBV	99

(#) = qualifier out of range (m) = manual integration
3W16334.D M3W644.M Tue Apr 20 10:17:18 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	241140	9.38	PPBV		100
44)	1,2-DICHLOROETHANE	8.37	62	128235	9.83	PPBV		99
46)	BENZENE	9.02	78	312279	9.04	PPBV		99
47)	CYCLOHEXANE	9.20	56	164296	9.40	PPBV		97
48)	2,3-DIMETHYLPENTANE	9.38	71	71580	8.51	PPBV		94
49)	TRICHLOROETHYLENE	9.97	95	133351	9.14	PPBV		98
50)	1,2-DICHLOROPROPANE	9.74	63	118600	8.98	PPBV		99
51)	BROMODICHLOROMETHANE	9.96	83	227635	9.88	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	494526	9.45	PPBV		100
53)	1,4-DIOXANE	10.02	88	61699	8.61	PPBV		96
54)	HEPTANE	10.16	43	177396	10.07	PPBV		94
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1133218m	9.98	PPBV		
56)	METHYL METHACRYLATE	10.17	69	92640	10.67	PPBV	#	89
57)	METHYL ISOBUTYL KETONE	10.80	43	186768	11.48	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	10.81	75	175841	10.52	PPBV		97
59)	TOLUENE	11.75	92	212530	9.30	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	141685	10.66	PPBV		97
61)	1,1,2-TRICHLOROETHANE	11.49	83	107158	10.10	PPBV		99
63)	2-HEXANONE	11.99	43	174531	9.96	PPBV		94
64)	TETRACHLOROETHYLENE	12.89	164	140620	8.46	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	225398	9.76	PPBV		100
66)	1,2-DIBROMOETHANE	12.41	107	172897	9.71	PPBV		100
67)	OCTANE	12.66	43	247583	10.45	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	156902	9.45	PPBV		99
69)	CHLOROBENZENE	13.62	112	254219	8.95	PPBV		98
70)	ETHYLBENZENE	13.99	91	446455	9.72	PPBV		99
71)	m,p-XYLENE	14.18	106	322317	19.52	PPBV		96
72)	o-XYLENE	14.69	106	159931	9.93	PPBV		98
73)	STYRENE	14.59	104	219277	10.35	PPBV		98
74)	NONANE	14.86	43	238907	11.79	PPBV		95
75)	BROMOFORM	14.30	173	195251	10.64	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	214321	10.19	PPBV		100
78)	1,2,3-TRICHLOROPROPANE	14.84	75	172263	10.20	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	465293	9.61	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	105223	10.34	PPBV		99
81)	n-PROPYLBENZENE	15.92	120	113830	10.15	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	398308	10.74	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	338290	10.56	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	75099	9.90	PPBV		98
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	310768	11.07	PPBV		98
86)	m-DICHLOROBENZENE	16.88	146	175324	10.16	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	203891	10.90	PPBV		99
88)	p-DICHLOROBENZENE	16.97	146	165080	10.07	PPBV		100
89)	sec-BUTYLBENZENE	16.99	134	88590	10.07	PPBV		96
90)	p-ISOPROPYLTOLUENE	17.18	134	88475	9.95	PPBV		98
91)	o-DICHLOROBENZENE	17.39	146	159720	10.23	PPBV		100
92)	n-BUTYLBENZENE	17.69	134	66539	9.78	PPBV		93
93)	HEXACHLOROBUTADIENE	19.93	225	56933	10.51	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	32317	11.43	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

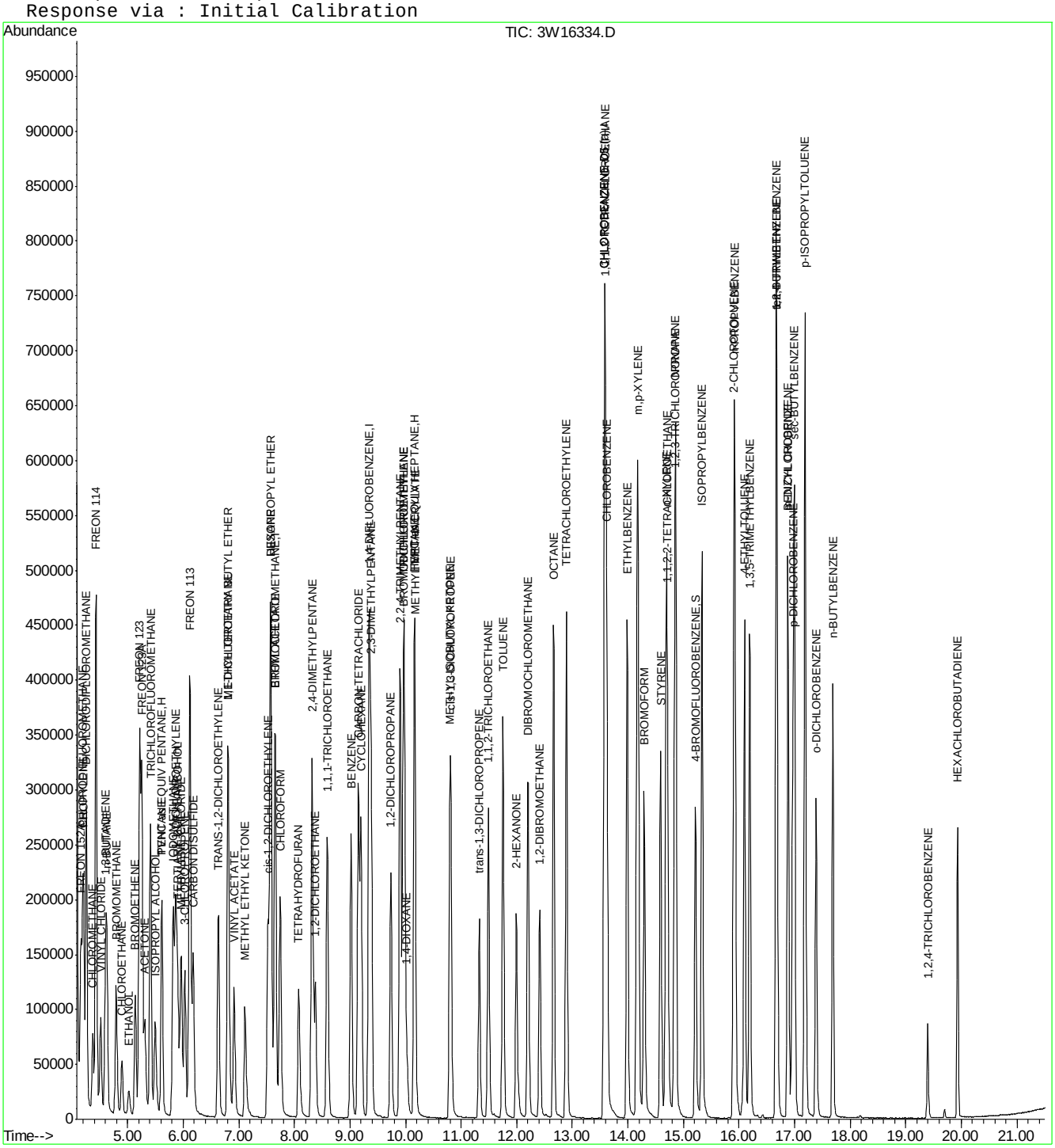
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

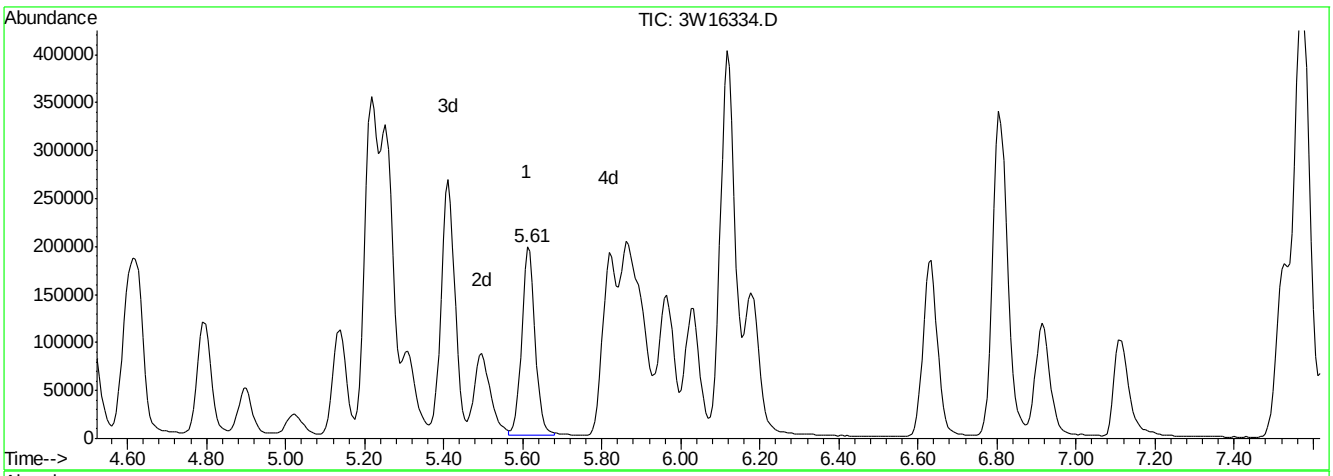


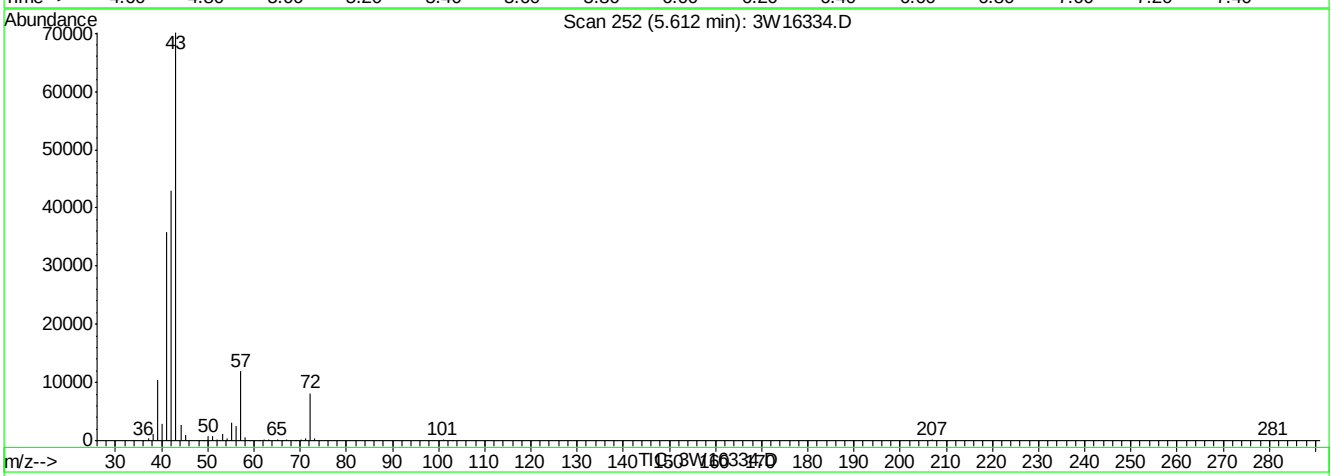
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 9.29PPBV m

response 466013

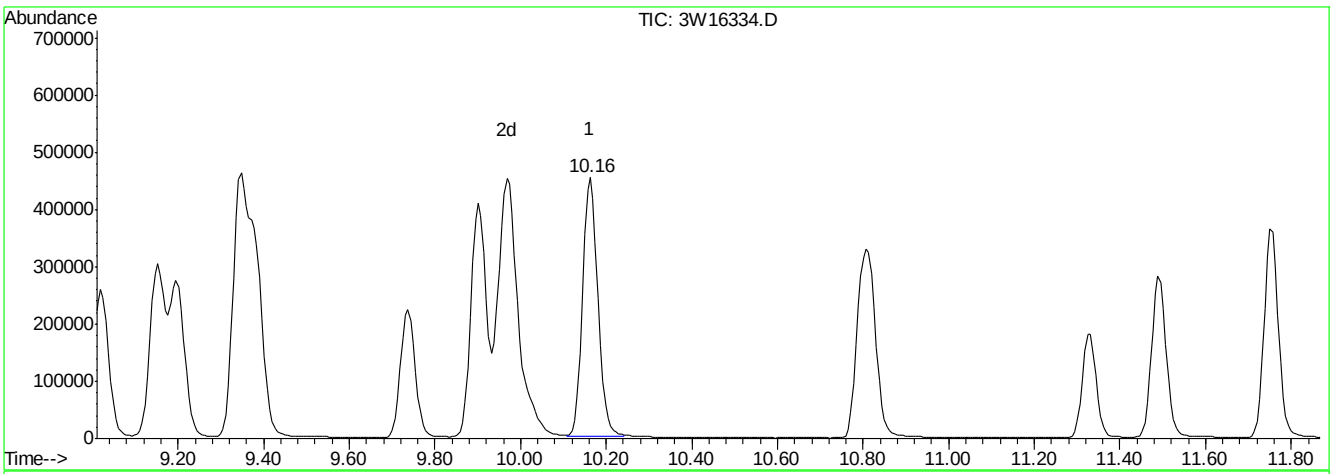
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

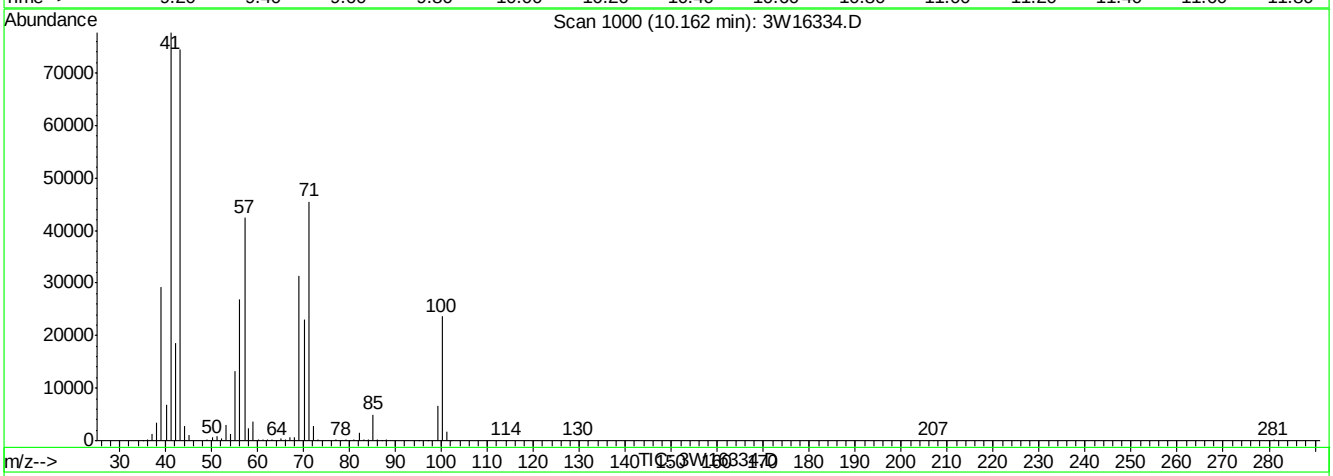
3W16334.D M3W644.M Tue Apr 20 10:16:33 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 9.98PPBV m

response 1133218

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16334.D M3W644.M Tue Apr 20 10:17:02 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.98	128	70412	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	317594	10.00	PPBV		-0.07
63) CHLOROBENZENE-D5	15.11	82	168569	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	168613	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	89599	5.05	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	27530	10.56	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.81	85	272130	10.47	PPBV		100
6) PROPYLENE	4.74	41	116009	12.19	PPBV		98
7) FREON 114	5.05	85	271026	9.52	PPBV		97
8) CHLOROMETHANE	4.97	52	38334	12.47	PPBV	#	89
9) VINYL CHLORIDE	5.18	62	131920	11.80	PPBV		99
10) 1,3-BUTADIENE	5.30	54	104900	11.33	PPBV	#	87
11) n-BUTANE	5.35	43	222615	11.58	PPBV		99
12) BROMOMETHANE	5.55	94	100930	10.77	PPBV		100
13) CHLOROETHANE	5.71	64	74178	12.05	PPBV		98
14) ACROLEIN	6.15	56	47514	12.23	PPBV		100
15) FREON 123	6.13	83	269363	11.13	PPBV	#	99
16) FREON 123A	6.18	117	150937	10.61	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.38	101	277632	10.84	PPBV		100
18) ISOPROPYL ALCOHOL	6.54	45	201147	11.19	PPBV		99
19) ACETONE	6.28	58	51677	10.96	PPBV		92
20) PENTANE	6.68	57	38430	11.26	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.68	TIC	691424m	10.88	PPBV		
22) IODOMETHANE	6.90	142	267971	10.53	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.94	96	107067	10.59	PPBV		99
24) CARBON DISULFIDE	7.35	76	302543	9.92	PPBV		99
25) ETHANOL	5.91	45	48061	10.73	PPBV		99
26) BROMOETHENE	6.02	106	104950	10.83	PPBV		100
27) METHYLENE CHLORIDE	7.04	84	100497	10.94	PPBV		99
28) 3-CHLOROPROPENE	7.15	76	60558	12.27	PPBV	#	70
29) FREON 113	7.26	151	164687	9.62	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	106732	9.74	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.07	59	246053	10.86	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.14	73	256994	9.33	PPBV		96
33) TETRAHYDROFURAN	9.54	72	45410	9.91	PPBV		92
34) HEXANE	8.98	57	205178	11.23	PPBV		97
35) VINYL ACETATE	8.18	86	26371	10.65	PPBV	#	85
36) 1,1-DICHLOROETHANE	8.06	63	213801	11.03	PPBV		99
37) METHYL ETHYL KETONE	8.47	72	45766	10.13	PPBV		94
38) cis-1,2-DICHLOROETHYLENE	8.82	96	110904	9.97	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	372229	10.43	PPBV		100
40) ETHYL ACETATE	9.04	61	30553	10.49	PPBV	#	87
41) CHLOROFORM	9.10	83	213233	10.40	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	250852	11.54	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.02	97	209695	10.04	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	217222	10.02	PPBV		100
45)	1,2-DICHLOROETHANE	9.78	62	139621	11.04	PPBV		100
47)	BENZENE	10.46	78	351245	11.65	PPBV		99
48)	CYCLOHEXANE	10.71	84	167270	10.61	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.91	71	90828	11.93	PPBV		96
50)	TRICHLOROETHYLENE	11.46	95	140643	11.17	PPBV		98
51)	1,2-DICHLOROPROPANE	11.24	63	128101	11.84	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	223684	11.18	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	662646	12.88	PPBV		99
54)	1,4-DIOXANE	11.52	88	62774	10.09	PPBV		98
55)	METHYL METHACRYLATE	11.64	69	99746	10.82	PPBV		96
56)	HEPTANE	11.71	43	247888	11.61	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.71	TIC	1024852m	10.47	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	228386	11.57	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.29	75	179499	11.10	PPBV		99
60)	TOLUENE	13.27	92	232917	11.21	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	172713	12.84	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	104537	11.34	PPBV		98
64)	2-HEXANONE	13.55	43	219568	10.99	PPBV		98
65)	TETRACHLOROETHYLENE	14.44	164	138785	9.32	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.72	129	209796	10.03	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	175949	10.49	PPBV		99
68)	OCTANE	14.24	43	318273	11.95	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	151766	9.89	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	285771	10.09	PPBV		99
71)	ETHYLBENZENE	15.54	91	460664	10.43	PPBV		99
72)	m,p-XYLENE	15.73	106	350419	20.71	PPBV		98
73)	o-XYLENE	16.25	106	167971	10.50	PPBV		99
74)	STYRENE	16.13	104	249843	10.85	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	174434	10.63	PPBV		98
76)	NONANE	16.44	43	300360	12.70	PPBV		97
77)	BROMOFORM	15.85	173	178075	9.63	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	213261	11.01	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	471958	10.48	PPBV		99
81)	2-CHLOROTOLUENE	17.40	126	109494	10.66	PPBV	#	1
82)	n-PROPYLBENZENE	17.42	120	122992	11.10	PPBV		88
83)	4-ETHYLTOLUENE	17.58	105	412890	11.37	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	325955	10.66	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	82806	10.22	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	318478	11.42	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	195330	11.39	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	234675	12.73	PPBV		99
89)	p-DICHLOROBENZENE	18.38	146	188563	11.60	PPBV		95
90)	SEC-BUTYLBENZENE	18.42	134	95279	10.61	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.59	134	92803	11.00	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	164125	11.07	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	72017	11.36	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	51380	11.25	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	37889	10.79	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

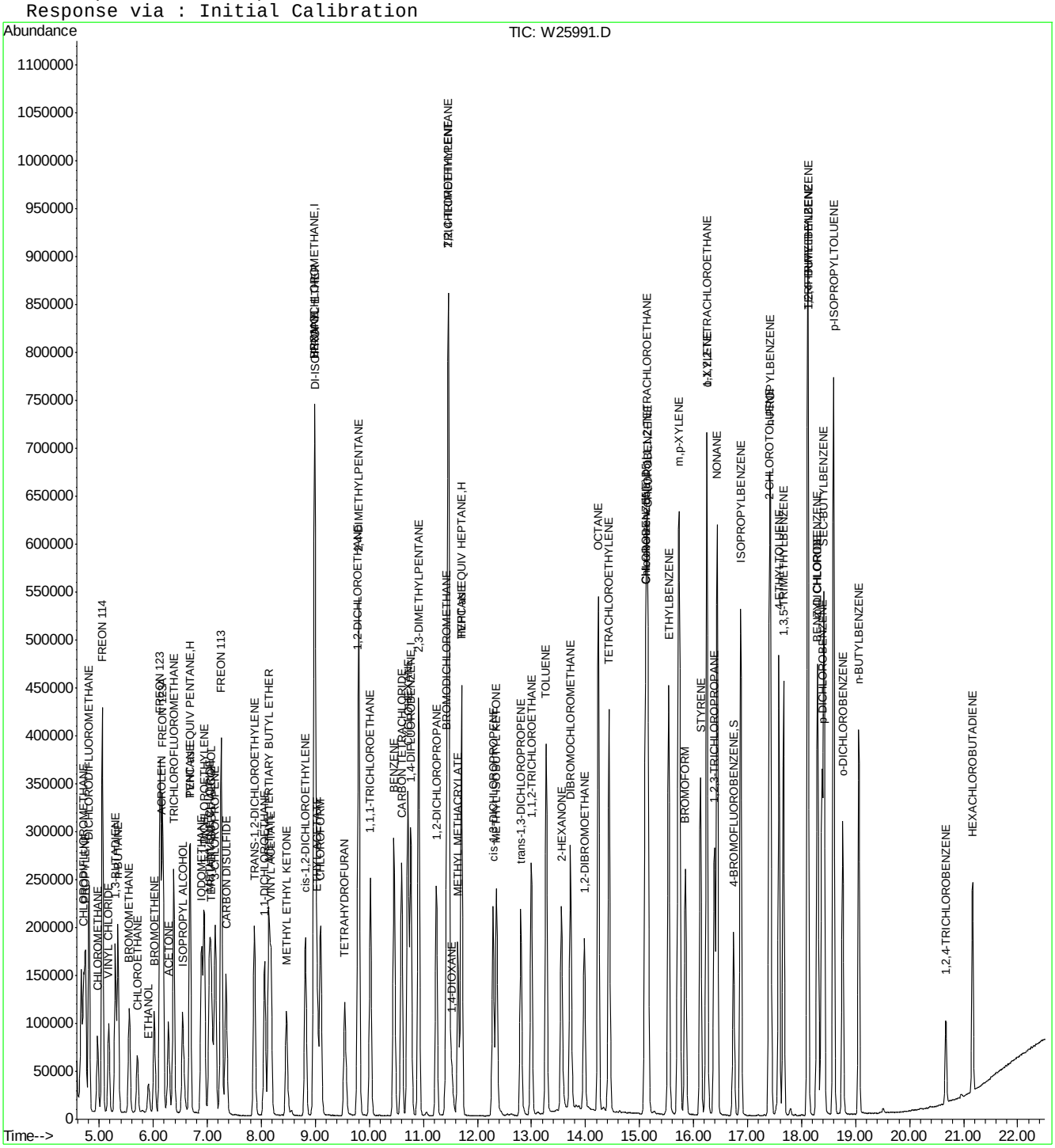
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

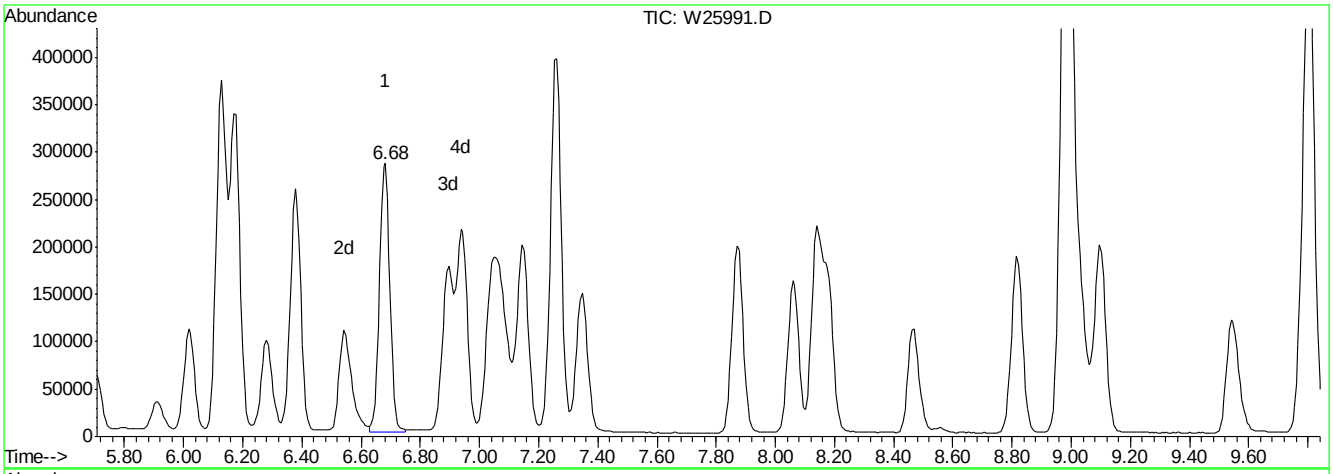


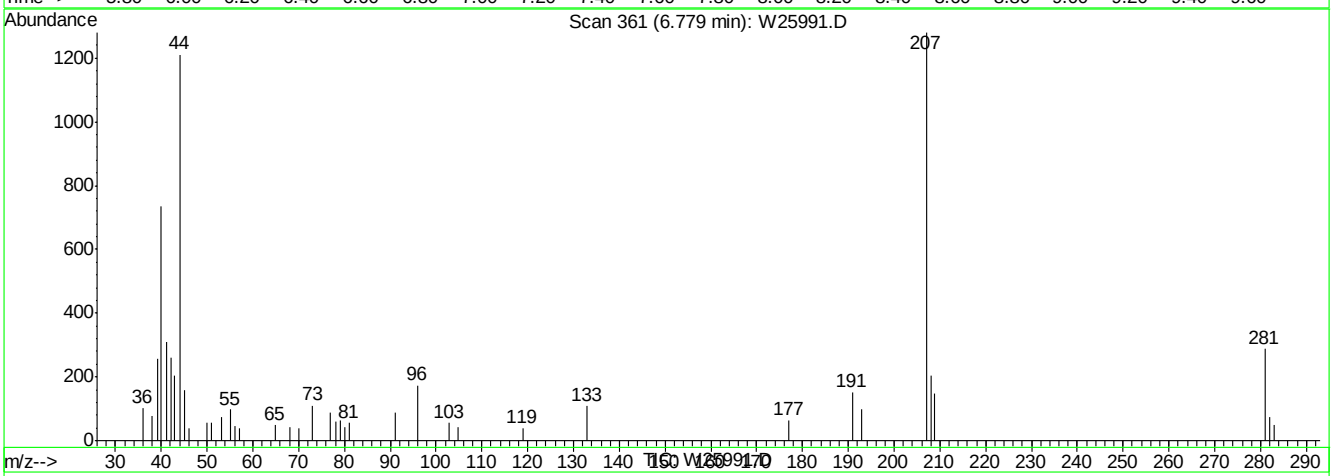
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.88PPBV m

response 691424

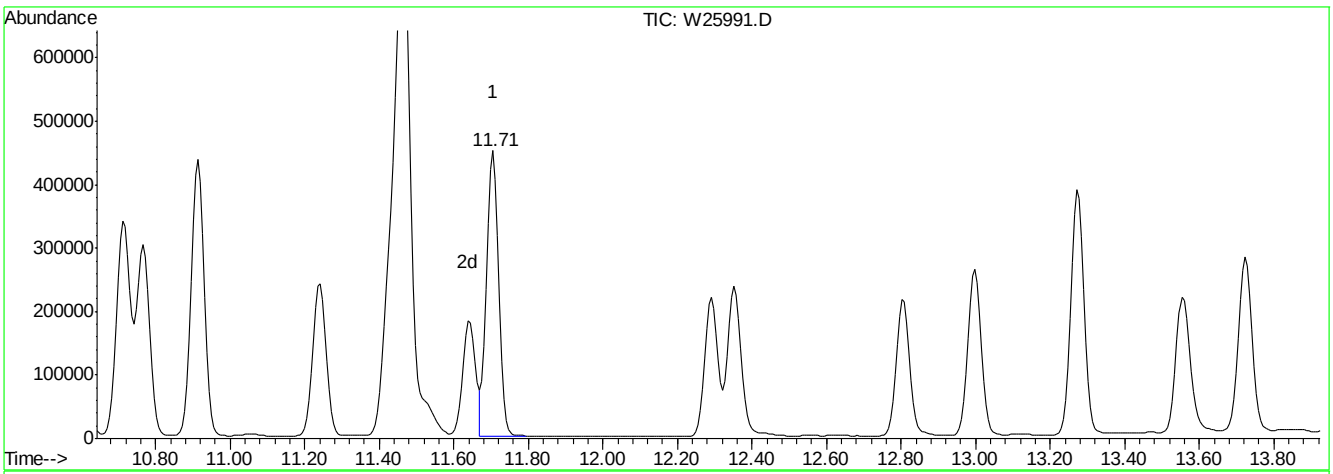
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

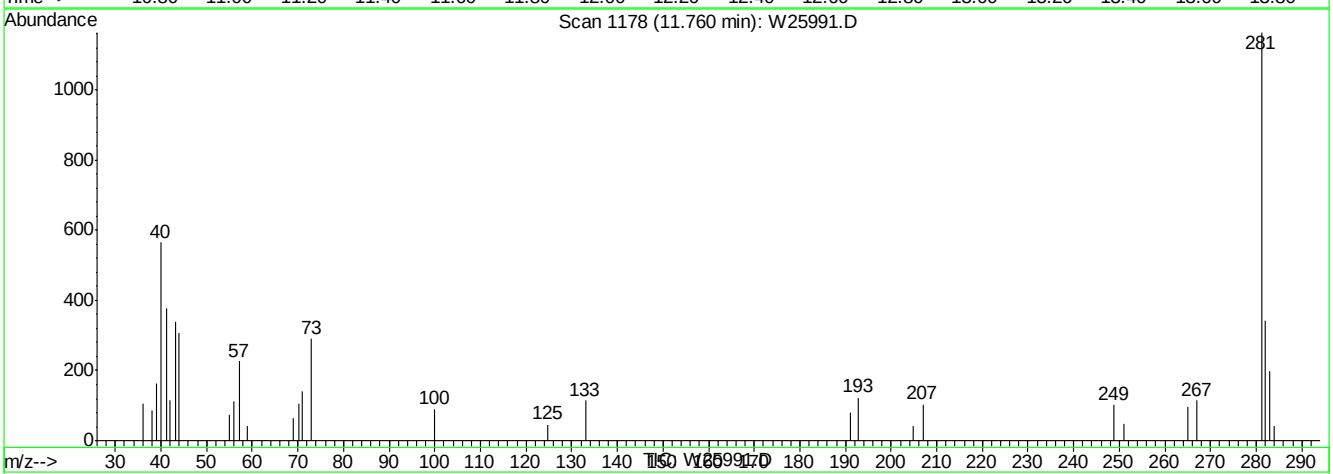
W25991.D MW1071.M Wed Apr 21 14:29:11 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.47PPBV m

response 1024852

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25991.D MW1071.M Wed Apr 21 14:29:37 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.99	128	71504	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	327612	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	169037	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	169200	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	91854	5.16	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25861	9.76	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.82	85	256524	9.72	PPBV		100
6) PROPYLENE	4.75	41	108771	11.26	PPBV		98
7) FREON 114	5.06	85	253451	8.76	PPBV		97
8) CHLOROMETHANE	4.97	52	36189	11.59	PPBV	#	85
9) VINYL CHLORIDE	5.18	62	123975	10.92	PPBV		99
10) 1,3-BUTADIENE	5.30	54	97369	10.36	PPBV	#	88
11) n-BUTANE	5.35	43	205959	10.55	PPBV		100
12) BROMOMETHANE	5.56	94	95228	10.00	PPBV		100
13) CHLOROETHANE	5.71	64	68094	10.89	PPBV		99
14) ACROLEIN	6.16	56	40549	10.28	PPBV		98
15) FREON 123	6.13	83	247702	10.07	PPBV	#	98
16) FREON 123A	6.18	117	139415	9.65	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.38	101	257487	9.90	PPBV		100
18) ISOPROPYL ALCOHOL	6.56	45	193775	10.62	PPBV		99
19) ACETONE	6.29	58	45147	9.43	PPBV		91
20) PENTANE	6.69	57	35704	10.30	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.69	TIC	637642m	9.88	PPBV		
22) IODOMETHANE	6.90	142	246333	9.53	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.95	96	98527	9.60	PPBV		99
24) CARBON DISULFIDE	7.35	76	295488	9.54	PPBV		99
25) ETHANOL	5.93	45	44897	9.87	PPBV		100
26) BROMOETHENE	6.02	106	97715	9.93	PPBV		100
27) METHYLENE CHLORIDE	7.05	84	92937	9.96	PPBV		98
28) 3-CHLOROPROPENE	7.16	76	55676	11.10	PPBV	#	74
29) FREON 113	7.27	151	154862	8.91	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	98384	8.84	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.09	59	240526	10.45	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.15	73	229446	8.20	PPBV		97
33) TETRAHYDROFURAN	9.55	72	40944	8.80	PPBV		94
34) HEXANE	8.99	57	191301	10.31	PPBV		96
35) VINYL ACETATE	8.19	86	21776	8.66	PPBV	#	83
36) 1,1-DICHLOROETHANE	8.07	63	194621	9.89	PPBV		99
37) METHYL ETHYL KETONE	8.48	72	42656	9.30	PPBV		96
38) cis-1,2-DICHLOROETHYLENE	8.82	96	102019	9.03	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	334719	9.23	PPBV		100
40) ETHYL ACETATE	9.04	61	27746	9.38	PPBV	#	94
41) CHLOROFORM	9.10	83	196221	9.43	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.82	57	232315	10.53	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.02	97	191674	9.03	PPBV		99

(#) = qualifier out of range (m) = manual integration
W25992.D MW1071.M Wed Apr 21 14:30:41 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	202042	9.18	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	124313	9.68	PPBV		100
47)	BENZENE	10.47	78	312078	10.04	PPBV		99
48)	CYCLOHEXANE	10.72	84	156190	9.60	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.92	71	83381	10.61	PPBV		95
50)	TRICHLOROETHYLENE	11.46	95	129266	9.95	PPBV		98
51)	1,2-DICHLOROPROPANE	11.25	63	112086	10.05	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	203173	9.84	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	611968	11.53	PPBV		99
54)	1,4-DIOXANE	11.53	88	60603	9.44	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	89502	9.41	PPBV		95
56)	HEPTANE	11.71	43	230481	10.46	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.71	TIC	950023m	9.41	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	220182	10.81	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.30	75	157023	9.41	PPBV		99
60)	TOLUENE	13.28	92	198989	9.28	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	147958	10.67	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	91031	9.57	PPBV		98
64)	2-HEXANONE	13.56	43	207531	10.36	PPBV		98
65)	TETRACHLOROETHYLENE	14.44	164	126510	8.47	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.73	129	185121	8.83	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	152150	9.05	PPBV		100
68)	OCTANE	14.24	43	283853	10.62	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.14	131	130612	8.48	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	249038	8.77	PPBV		98
71)	ETHYLBENZENE	15.54	91	384093	8.67	PPBV		99
72)	m,p-XYLENE	15.73	106	289576	17.07	PPBV		99
73)	o-XYLENE	16.25	106	137099	8.55	PPBV		98
74)	STYRENE	16.13	104	206338	8.94	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	146090	8.88	PPBV		97
76)	NONANE	16.44	43	255900	10.79	PPBV		97
77)	BROMOFORM	15.85	173	153682	8.29	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	178571	9.20	PPBV		99
80)	ISOPROPYLBENZENE	16.87	105	385915	8.54	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	91678	8.90	PPBV		98
82)	n-PROPYLBENZENE	17.42	120	101368	9.12	PPBV		87
83)	4-ETHYLTOLUENE	17.58	105	345105	9.48	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	275725	8.99	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	70577	8.68	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	270332	9.67	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	165037	9.59	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	205833	11.14	PPBV		99
89)	p-DICHLOROBENZENE	18.38	146	156482	9.60	PPBV		96
90)	SEC-BUTYLBENZENE	18.42	134	79955	8.88	PPBV		91
91)	p-ISOPROPYLTOLUENE	18.59	134	80807	9.55	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	137365	9.24	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	62555	9.84	PPBV		89
94)	HEXACHLOROBUTADIENE	21.17	225	48336	10.55	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	41652	11.83	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

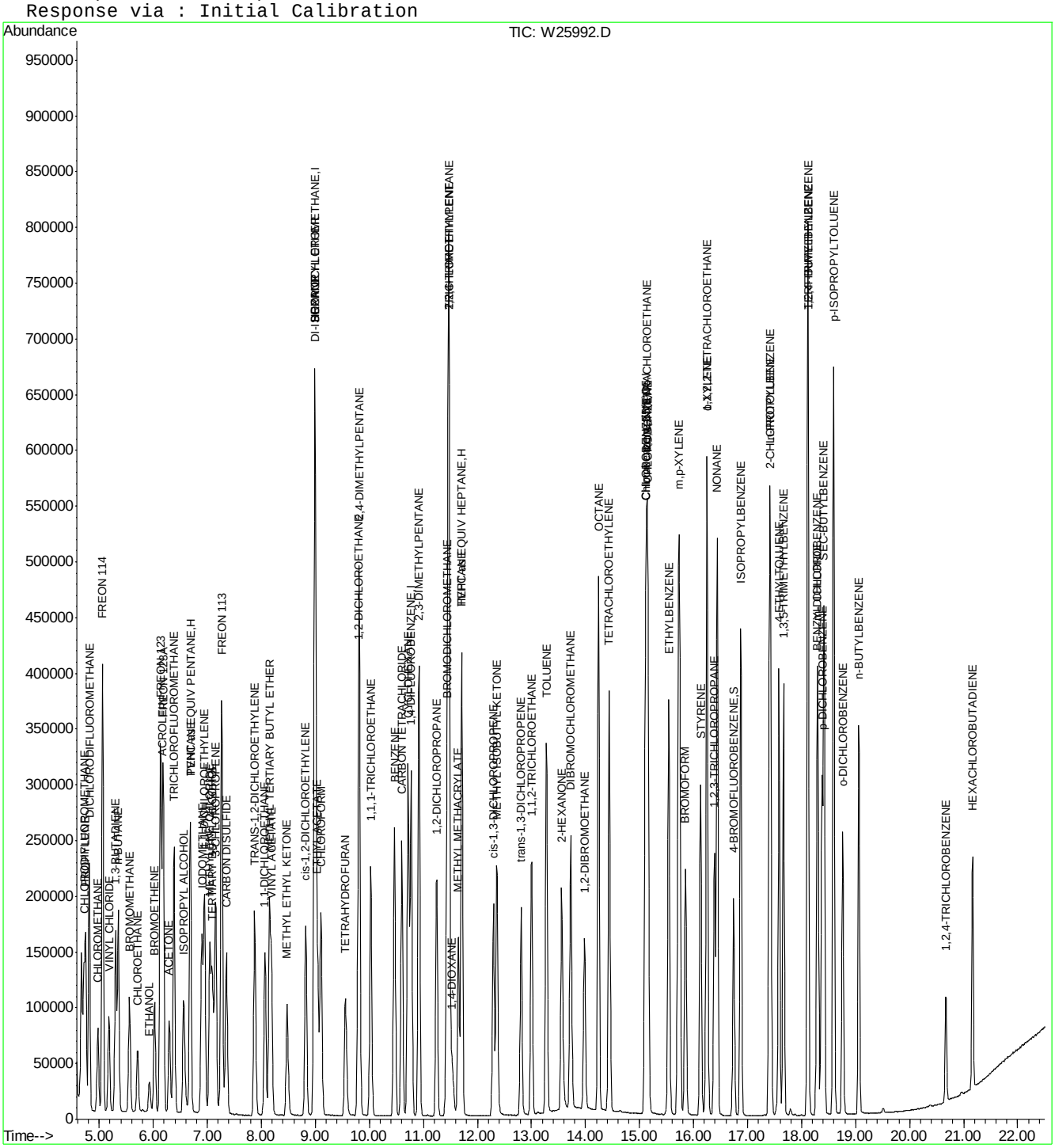
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

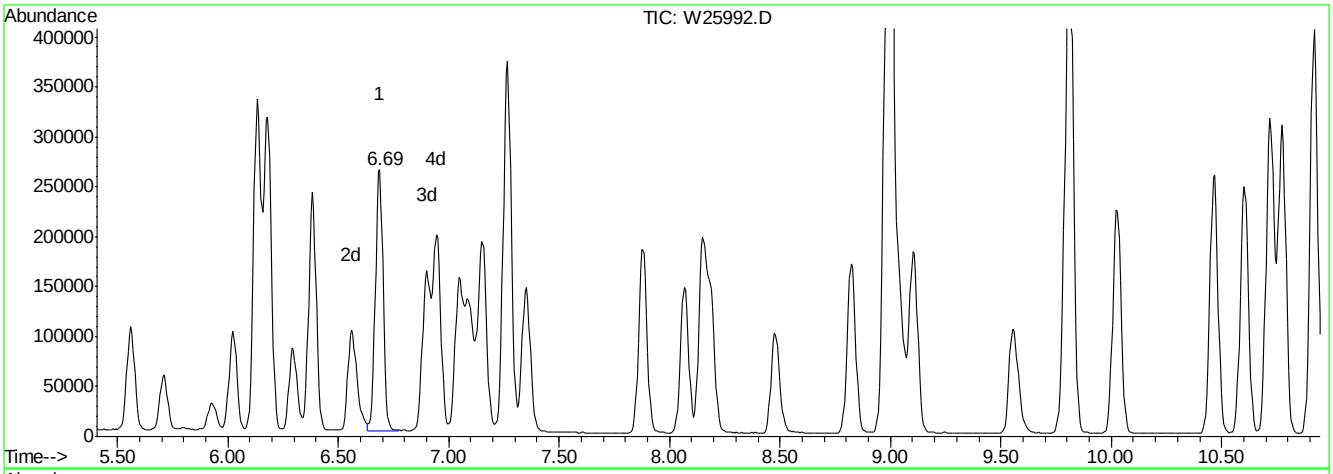


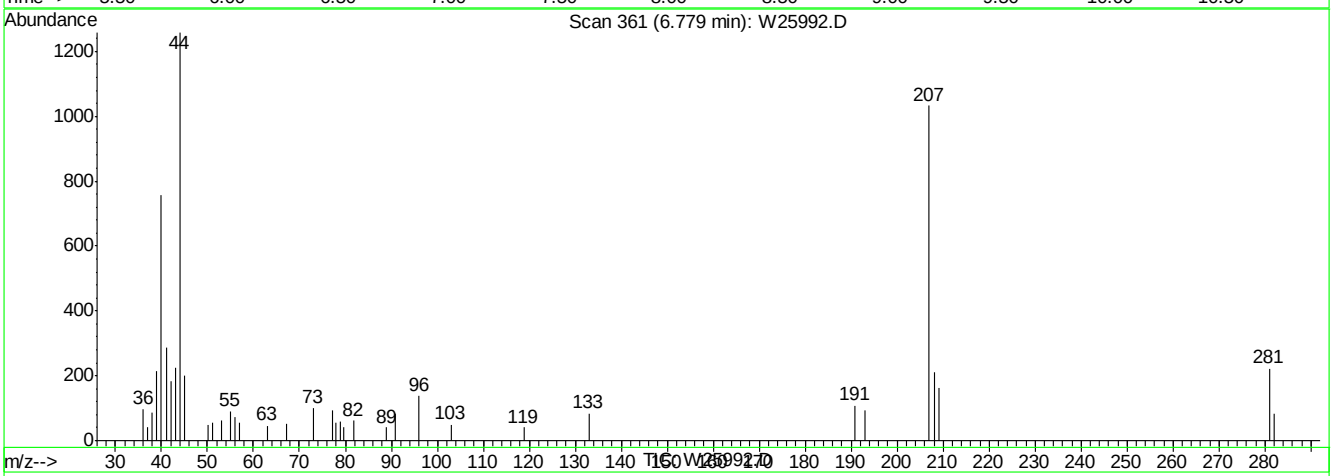
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.69min 9.88PPBV m

response 637642

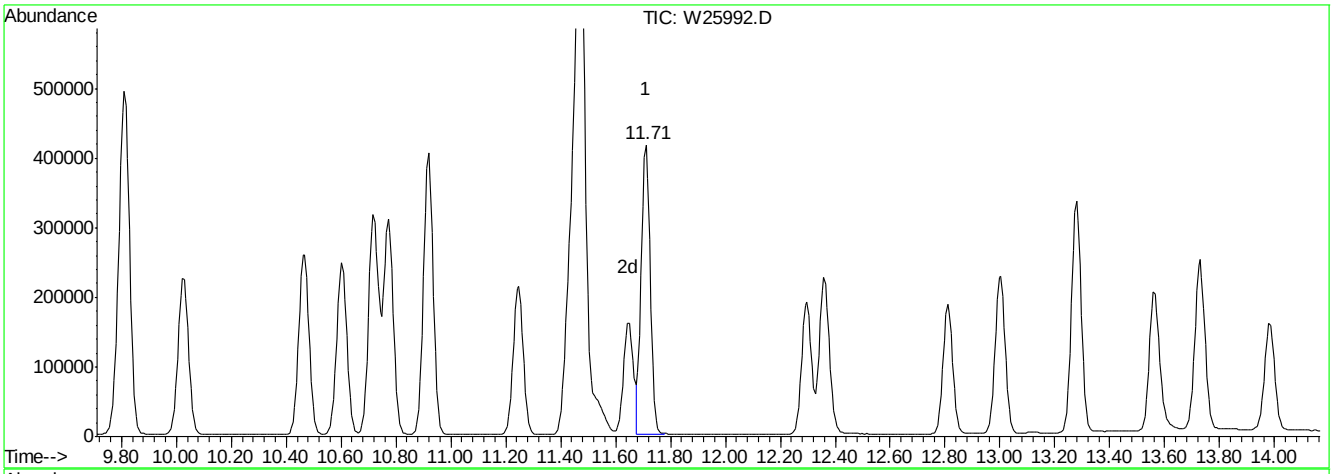
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

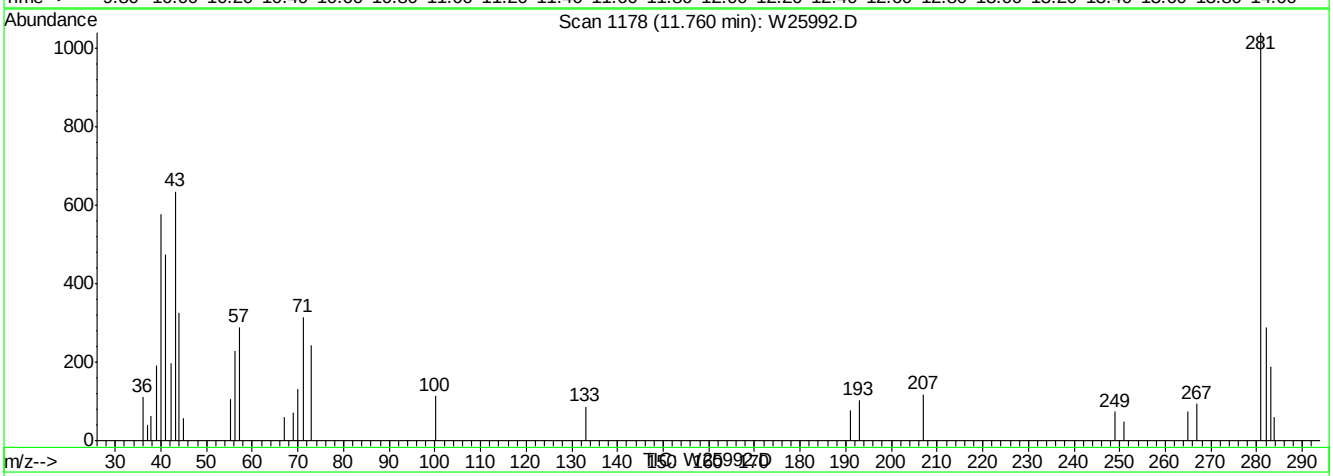
W25992.D MW1071.M Wed Apr 21 14:30:20 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 9.41PPBV m

response 950023

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25992.D MW1071.M Wed Apr 21 14:30:35 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.98	128	64150	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	279680	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	151004	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	151004	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	79430	5.00	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25484	10.73	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.81	85	247852	10.47	PPBV		99
6) PROPYLENE	4.74	41	106659	12.31	PPBV		98
7) FREON 114	5.05	85	273979	10.56	PPBV		95
8) CHLOROMETHANE	4.97	52	33863	12.09	PPBV	#	72
9) VINYL CHLORIDE	5.18	62	117329	11.52	PPBV		98
10) 1,3-BUTADIENE	5.30	54	94433	11.20	PPBV	#	88
11) n-BUTANE	5.35	43	203370	11.61	PPBV		99
12) BROMOMETHANE	5.56	94	90446	10.59	PPBV		100
13) CHLOROETHANE	5.71	64	65395	11.66	PPBV		99
14) ACROLEIN	6.16	56	37770	10.67	PPBV		97
15) FREON 123	6.13	83	240038	10.88	PPBV	#	96
16) FREON 123A	6.18	117	132797	10.24	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.38	101	260494	11.17	PPBV		99
18) ISOPROPYL ALCOHOL	6.56	45	182265	11.13	PPBV		99
19) ACETONE	6.29	58	44972	10.46	PPBV		92
20) PENTANE	6.68	57	35507	11.42	PPBV		97
21) TVHC as EQUIV PENTANE	6.68	TIC	650810m	11.24	PPBV		
22) IODOMETHANE	6.90	142	239631	10.34	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	99921	10.85	PPBV		96
24) CARBON DISULFIDE	7.35	76	317832	11.44	PPBV		99
25) ETHANOL	5.93	45	40491	9.93	PPBV		99
26) BROMOETHENE	6.02	106	94583	10.71	PPBV		99
27) METHYLENE CHLORIDE	7.04	84	93743	11.20	PPBV		96
28) 3-CHLOROPROPENE	7.15	76	52462	11.66	PPBV	#	78
29) FREON 113	7.26	151	157500	10.10	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	99902	10.00	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.09	59	228508	11.07	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.14	73	220705	8.79	PPBV		95
33) TETRAHYDROFURAN	9.55	72	38596	9.25	PPBV	#	91
34) HEXANE	8.99	57	183696	11.04	PPBV		98
35) VINYL ACETATE	8.19	86	21455	9.51	PPBV	#	75
36) 1,1-DICHLOROETHANE	8.07	63	189238	10.71	PPBV		100
37) METHYL ETHYL KETONE	8.47	72	39789	9.67	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	8.82	96	97134	9.58	PPBV		95
39) DI-ISOPROPYL ETHER	9.00	45	323914	9.96	PPBV		99
40) ETHYL ACETATE	9.04	61	26846	10.12	PPBV	#	1
41) CHLOROFORM	9.10	83	190599	10.21	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.81	57	222995	11.26	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	188434	9.90	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	198420	10.05	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	122398	10.62	PPBV		100
47)	BENZENE	10.46	78	300475	11.32	PPBV		99
48)	CYCLOHEXANE	10.72	84	147959	10.66	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.91	71	81345	12.13	PPBV		94
50)	TRICHLOROETHYLENE	11.46	95	125061	11.27	PPBV		97
51)	1,2-DICHLOROPROPANE	11.24	63	108995	11.44	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	200540	11.38	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	575208	12.69	PPBV		98
54)	1,4-DIOXANE	11.53	88	55283	10.09	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	83696	10.31	PPBV		94
56)	HEPTANE	11.71	43	224664	11.95	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.71	TIC	940732m	10.91	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	201868	11.61	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.29	75	159653	11.21	PPBV		97
60)	TOLUENE	13.28	92	193134	10.55	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	130137	10.99	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.00	83	89510	11.02	PPBV		98
64)	2-HEXANONE	13.56	43	193582	10.82	PPBV		96
65)	TETRACHLOROETHYLENE	14.44	164	117164	8.78	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	178027	9.50	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	144615	9.63	PPBV		100
68)	OCTANE	14.24	43	285448	11.96	PPBV		94
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	127376	9.26	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	238694	9.41	PPBV		98
71)	ETHYLBENZENE	15.54	91	380104	9.61	PPBV		98
72)	m,p-XYLENE	15.73	106	288276	19.02	PPBV		98
73)	o-XYLENE	16.25	106	136927	9.56	PPBV		97
74)	STYRENE	16.13	104	201432	9.77	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	143484	9.76	PPBV		98
76)	NONANE	16.44	43	256323	12.10	PPBV		96
77)	BROMOFORM	15.85	173	145866	8.81	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	176121	10.15	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	383097	9.49	PPBV		98
81)	2-CHLOROTOLUENE	17.41	126	88790	9.65	PPBV	#	94
82)	n-PROPYLBENZENE	17.42	120	98097	9.88	PPBV		83
83)	4-ETHYLTOLUENE	17.58	105	329212	10.12	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	261886	9.56	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	65972	9.09	PPBV		93
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	252109	10.09	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	150710	9.81	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	174898	10.59	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	142498	9.79	PPBV		94
90)	SEC-BUTYLBENZENE	18.42	134	74920	9.32	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	72393	9.58	PPBV		94
92)	o-DICHLOROBENZENE	18.76	146	125173	9.42	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	54661	9.63	PPBV		88
94)	HEXACHLOROBUTADIENE	21.17	225	35709	8.73	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	28855	9.18	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

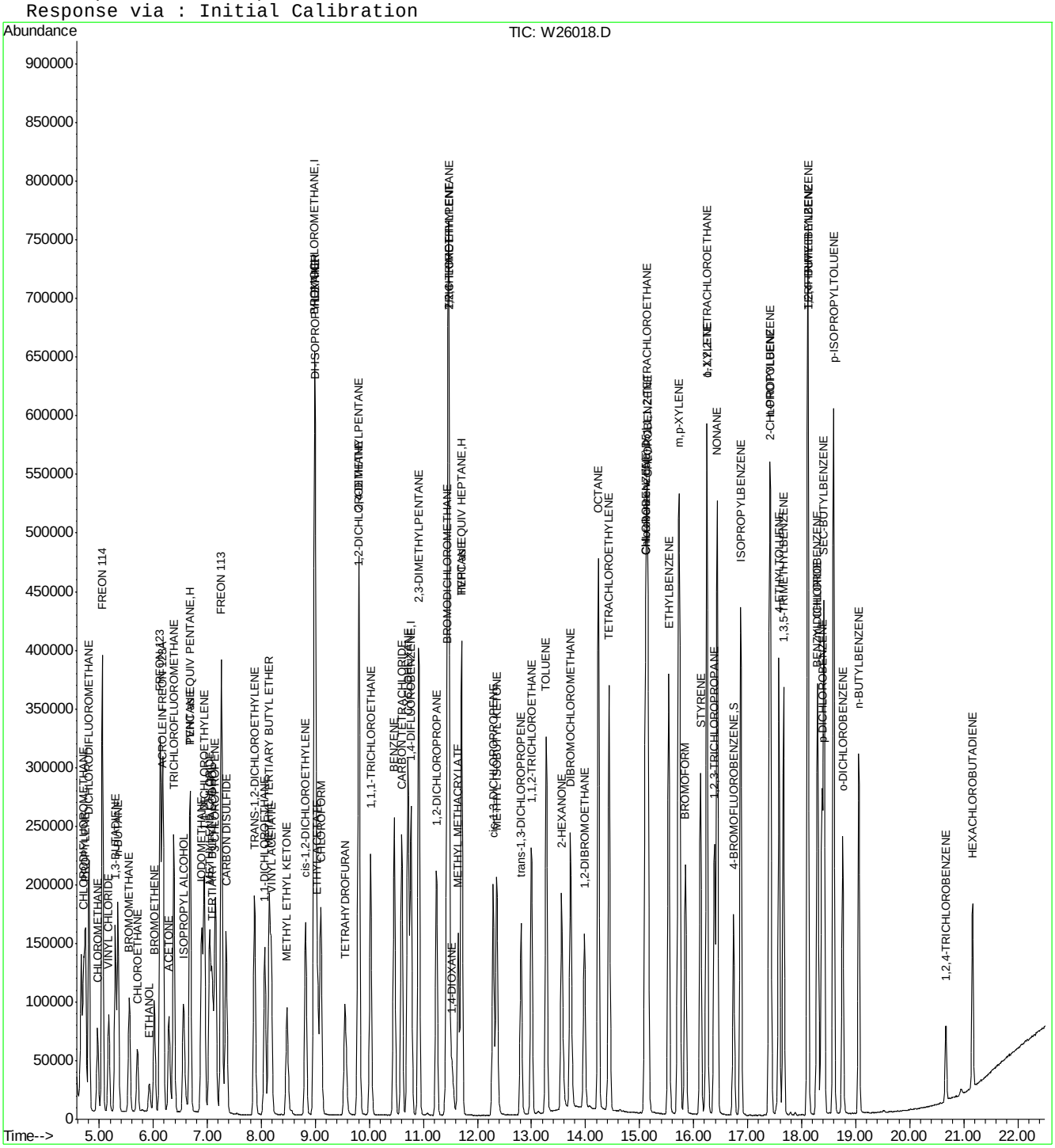
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:44 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

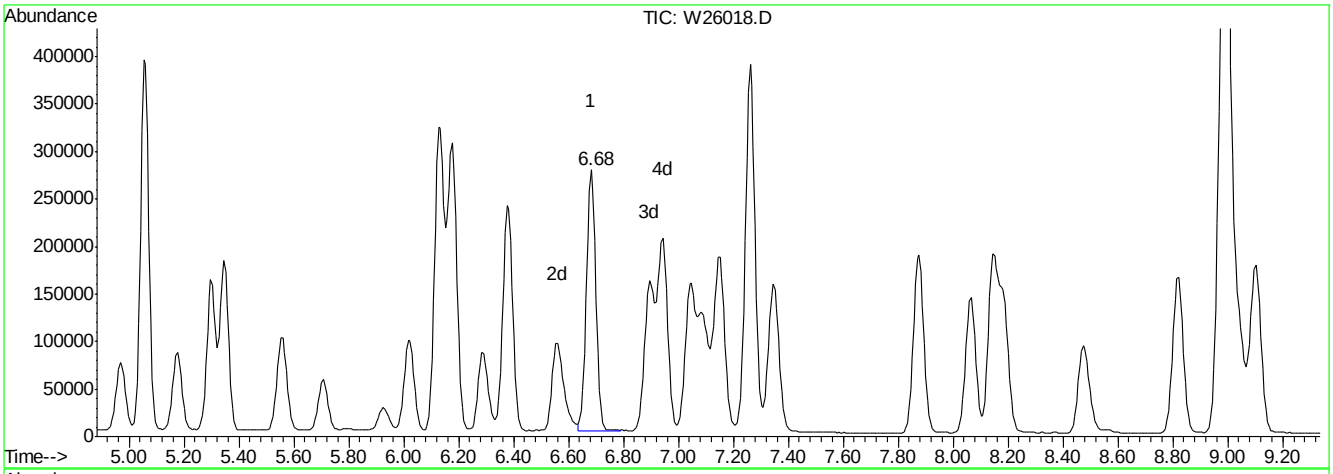


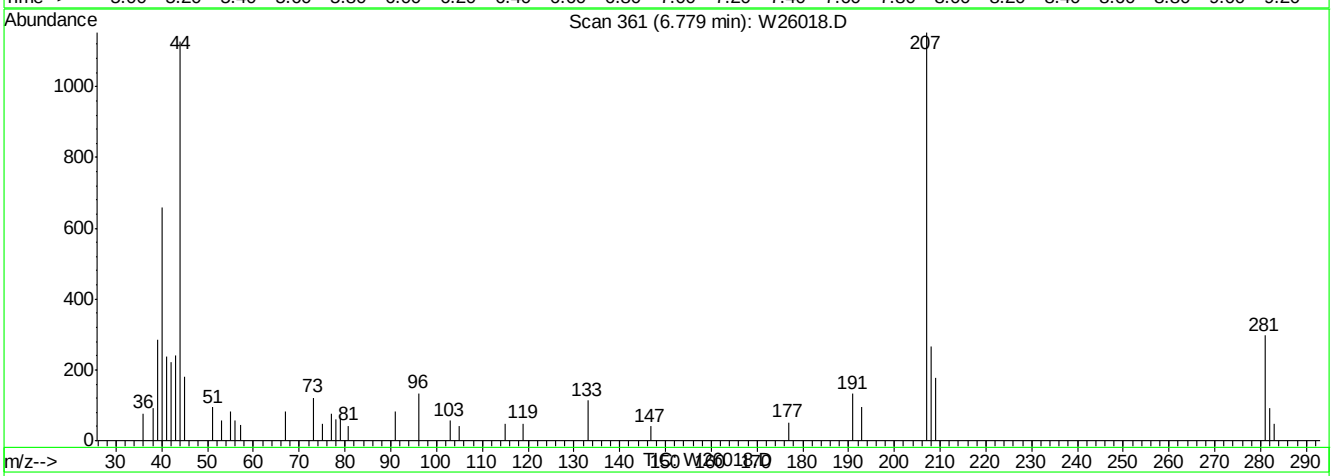
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:43 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 11.24PPBV m

response 650810

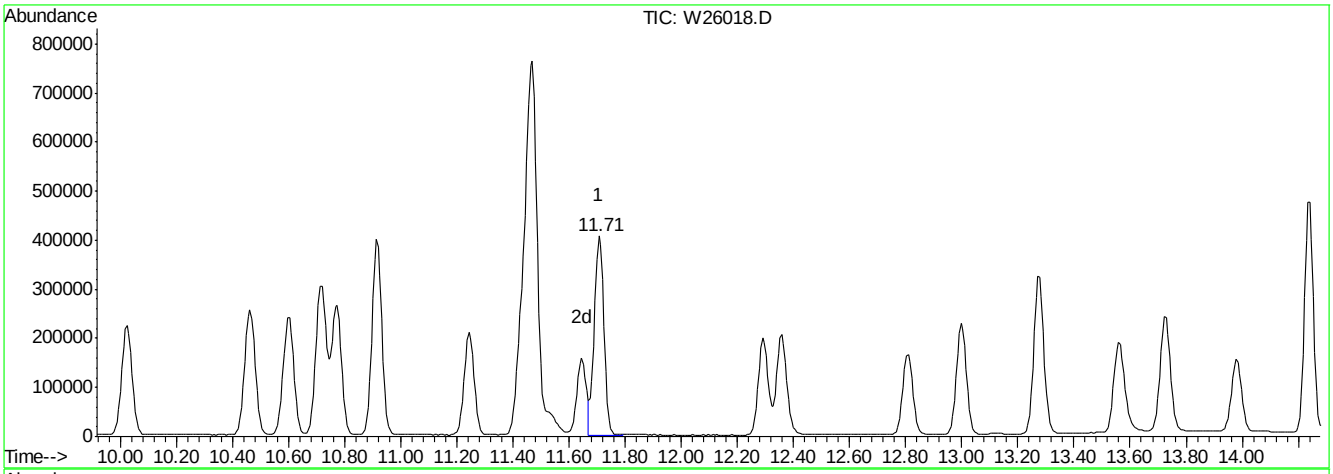
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26018.D MW1071.M Wed Apr 21 16:43:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:44 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.91PPBV m

response 940732

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26018.D MW1071.M Wed Apr 21 16:44:26 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	66281	10.00	PPBV		-0.09
46) 1,4-DIFLUOROBENZENE	10.76	114	297106	10.00	PPBV		-0.08
63) CHLOROBENZENE-D5	15.11	82	157015	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	157112	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	82647	5.00	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	24756	10.08	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.81	85	245210	10.02	PPBV		99
6) PROPYLENE	4.74	41	105719	11.81	PPBV		99
7) FREON 114	5.05	85	269047	10.04	PPBV		95
8) CHLOROMETHANE	4.97	52	33380	11.54	PPBV	#	88
9) VINYL CHLORIDE	5.17	62	114964	10.92	PPBV		99
10) 1,3-BUTADIENE	5.30	54	92662	10.64	PPBV	#	87
11) n-BUTANE	5.35	43	201243	11.12	PPBV		99
12) BROMOMETHANE	5.55	94	89155	10.10	PPBV		100
13) CHLOROETHANE	5.70	64	64836	11.19	PPBV		99
14) ACROLEIN	6.15	56	37886	10.36	PPBV		99
15) FREON 123	6.12	83	245114	10.76	PPBV	#	97
16) FREON 123A	6.17	117	135603	10.12	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	258279	10.72	PPBV		100
18) ISOPROPYL ALCOHOL	6.54	45	177831	10.51	PPBV		99
19) ACETONE	6.27	58	44862	10.10	PPBV		92
20) PENTANE	6.68	57	35214	10.96	PPBV		94
21) TVHC as EQUIV PENTANE	6.68	TIC	636157m	10.64	PPBV		
22) IODOMETHANE	6.89	142	239129	9.98	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	99304	10.44	PPBV		97
24) CARBON DISULFIDE	7.34	76	291820	10.17	PPBV		99
25) ETHANOL	5.90	45	39285	9.32	PPBV		99
26) BROMOETHENE	6.02	106	94429	10.35	PPBV		100
27) METHYLENE CHLORIDE	7.04	84	93774	10.84	PPBV		97
28) 3-CHLOROPROPENE	7.14	76	53441	11.50	PPBV	#	71
29) FREON 113	7.25	151	151997	9.43	PPBV		91
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	99579	9.65	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.07	59	225603	10.58	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.13	73	220337	8.50	PPBV		95
33) TETRAHYDROFURAN	9.54	72	38178	8.85	PPBV		92
34) HEXANE	8.98	57	184545	10.73	PPBV		97
35) VINYL ACETATE	8.18	86	21405	9.18	PPBV	#	75
36) 1,1-DICHLOROETHANE	8.05	63	192255	10.54	PPBV		99
37) METHYL ETHYL KETONE	8.46	72	39213	9.22	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.81	96	97945	9.35	PPBV		95
39) DI-ISOPROPYL ETHER	8.99	45	320262	9.53	PPBV		99
40) ETHYL ACETATE	9.03	61	25893	9.44	PPBV	#	1
41) CHLOROFORM	9.09	83	194695	10.09	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	224773	10.99	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	190846	9.70	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.59	117	199072	9.76	PPBV		100
45)	1,2-DICHLOROETHANE	9.78	62	123613	10.38	PPBV		99
47)	BENZENE	10.46	78	304520	10.80	PPBV		99
48)	CYCLOHEXANE	10.71	84	148823	10.09	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.91	71	82148	11.53	PPBV		93
50)	TRICHLOROETHYLENE	11.46	95	127198	10.79	PPBV		96
51)	1,2-DICHLOROPROPANE	11.24	63	109983	10.87	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	203649	10.88	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.46	57	582472	12.10	PPBV		99
54)	1,4-DIOXANE	11.52	88	54276	9.33	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	82803	9.60	PPBV		94
56)	HEPTANE	11.70	43	228115	11.42	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.70	TIC	956541m	10.45	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	196784	10.65	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.28	75	158709	10.49	PPBV		97
60)	TOLUENE	13.27	92	194423	10.00	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	129856	10.32	PPBV		98
62)	1,1,2-TRICHLOROETHANE	12.99	83	89782	10.41	PPBV		97
64)	2-HEXANONE	13.55	43	187413	10.07	PPBV		97
65)	TETRACHLOROETHYLENE	14.44	164	118166	8.52	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	178901	9.18	PPBV		100
67)	1,2-DIBROMOETHANE	13.97	107	145656	9.33	PPBV		99
68)	OCTANE	14.24	43	286533	11.55	PPBV		94
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	128489	8.98	PPBV	#	99
70)	CHLOROBENZENE	15.15	112	239501	9.08	PPBV		98
71)	ETHYLBENZENE	15.53	91	381057	9.27	PPBV		98
72)	m,p-XYLENE	15.73	106	286732	18.19	PPBV		97
73)	o-XYLENE	16.25	106	136004	9.13	PPBV		97
74)	STYRENE	16.13	104	202067	9.42	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	140281	9.18	PPBV		97
76)	NONANE	16.44	43	253847	11.52	PPBV		97
77)	BROMOFORM	15.84	173	145455	8.45	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	173278	9.61	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	377412	9.00	PPBV		98
81)	2-CHLOROTOLUENE	17.40	126	87372	9.13	PPBV	#	94
82)	n-PROPYLBENZENE	17.42	120	96615	9.36	PPBV		83
83)	4-ETHYLTOLUENE	17.58	105	321568	9.51	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.66	105	254422	8.93	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	63754	8.44	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	245169	9.44	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	149459	9.35	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	173089	10.08	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	140552	9.28	PPBV		96
90)	SEC-BUTYLBENZENE	18.41	134	73172	8.75	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	70071	8.91	PPBV		93
92)	o-DICHLOROBENZENE	18.76	146	123771	8.96	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	52361	8.87	PPBV		86
94)	HEXACHLOROBUTADIENE	21.17	225	35554	8.36	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	29851	9.13	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

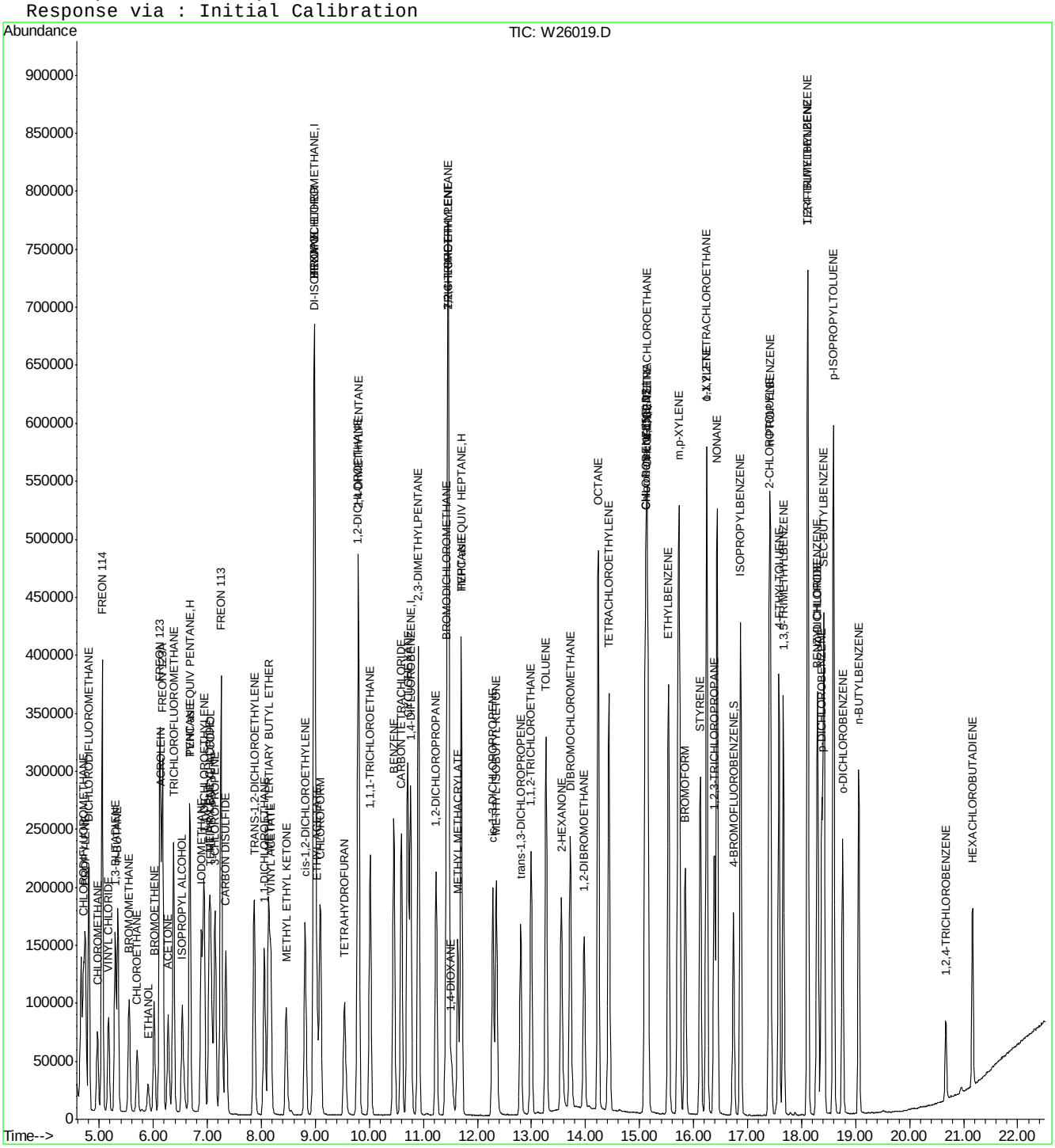
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

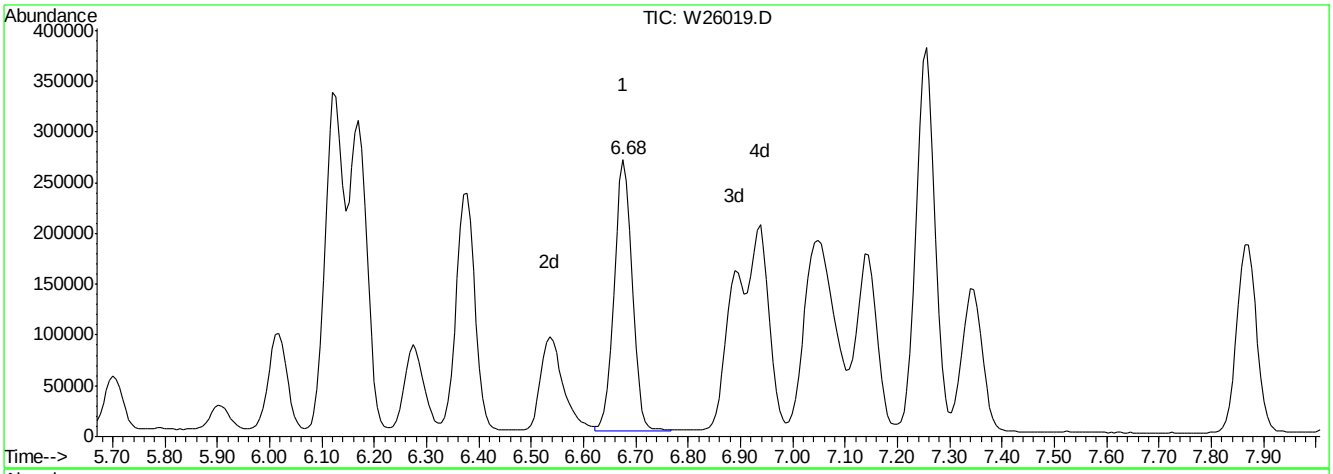


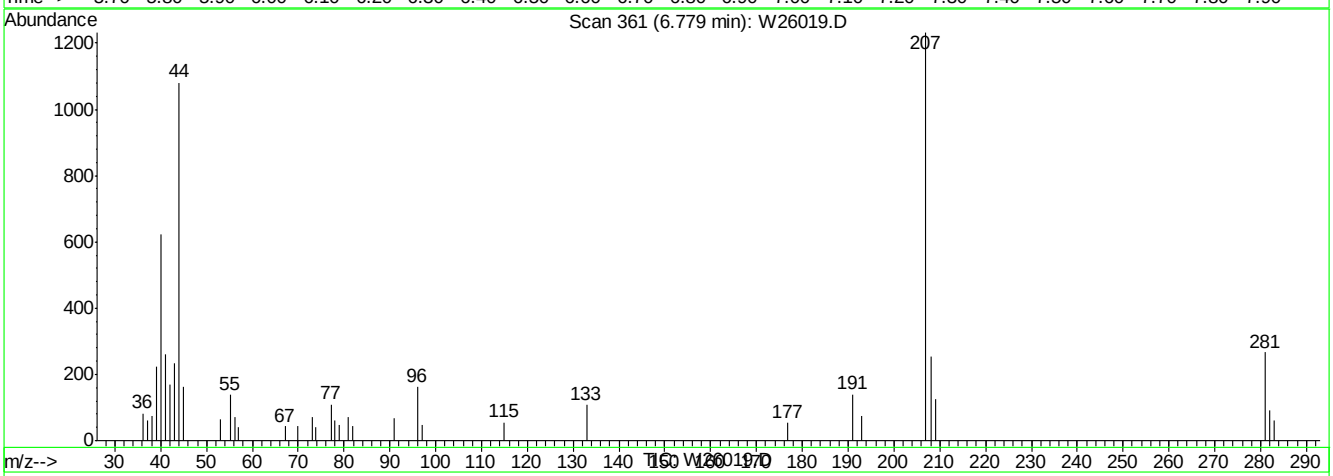
ACCUTEST JA45062 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.64PPBV m

response 636157

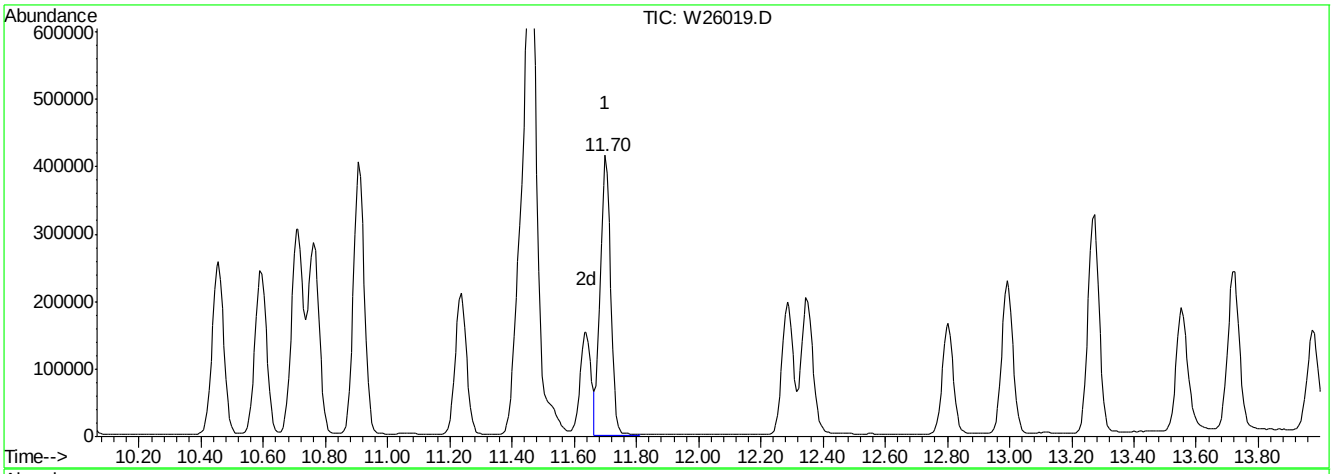
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00#
0.00	0.00	0.00

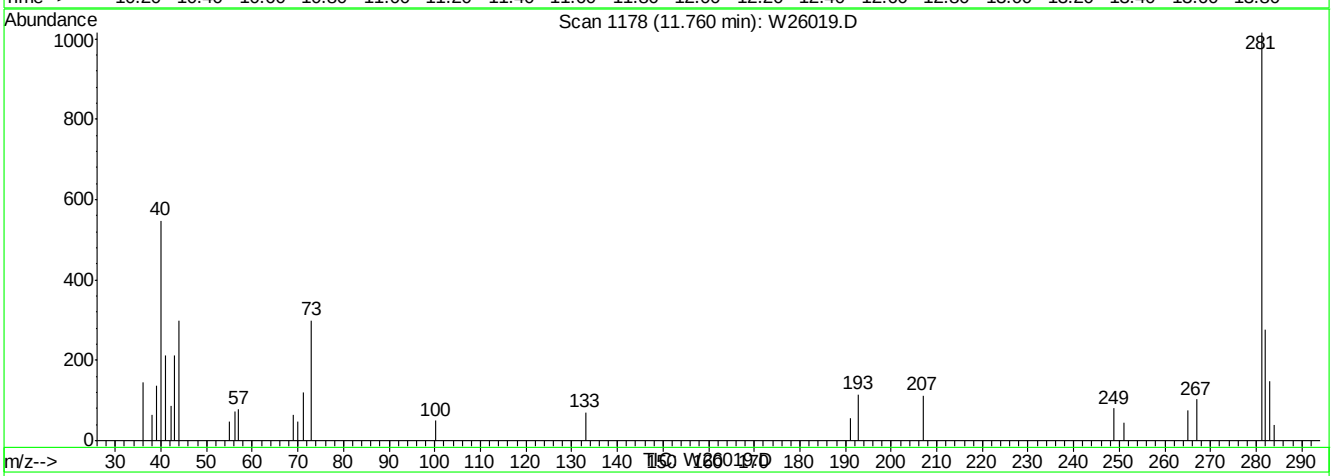
W26019.D MW1071.M Wed Apr 21 16:45:14 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.70min 10.45PPBV m

response 956541

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00#
0.00	0.00	0.00

W26019.D MW1071.M Wed Apr 21 16:45:38 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/04/10 15:33

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27065.D Vial: 4
Acq On : 3 May 2010 3:13 pm Operator: yunxiac
Sample : ja45062-1dup Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 15:39:10 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

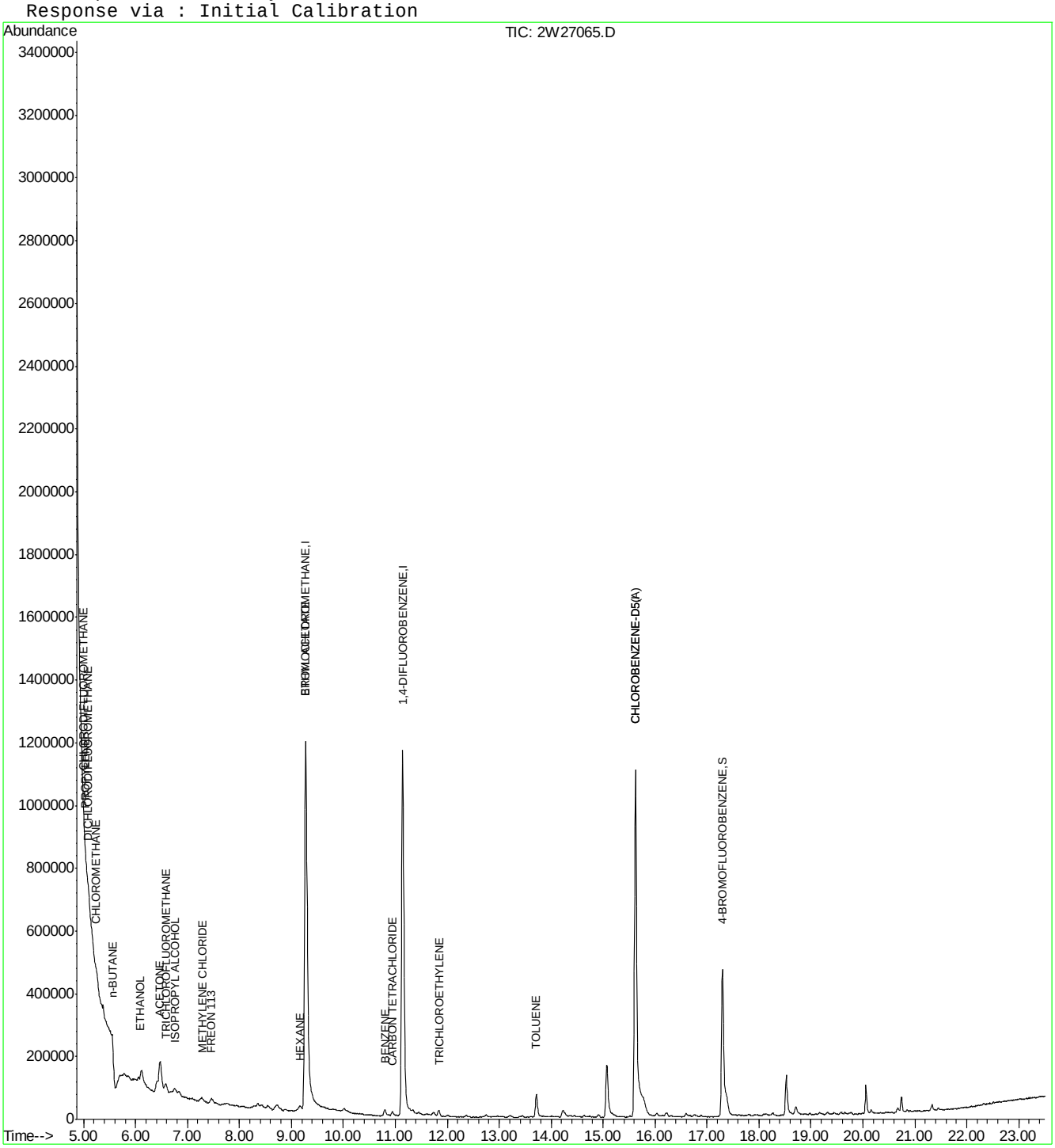
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.28	128	319203	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1524177	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	730178	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	730178	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	324516	4.28	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 85.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	102924	0.70	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	10529	0.63	PPBV	#	41
6) PROPYLENE	5.04	41	15369m	0.24	PPBV		
9) CHLOROMETHANE	5.25	52	16071	0.66	PPBV	#	89
12) n-BUTANE	5.57	43	45336	0.39	PPBV	#	95
17) TRICHLOROFLUOROMETHANE	6.58	101	53123	0.43	PPBV		99
18) ISOPROPYL ALCOHOL	6.75	45	68236	0.75	PPBV		82
19) ACETONE	6.48	58	85676	3.44	PPBV	#	90
25) ETHANOL	6.09	45	88368	3.51	PPBV		96
27) METHYLENE CHLORIDE	7.28	84	10280	0.23	PPBV		96
29) FREON 113	7.47	151	7327	0.12	PPBV		95
34) HEXANE	9.17	57	10304	0.12	PPBV		88
39) ETHYL ACETATE	9.28	61	195056	13.45	PPBV		97
43) CARBON TETRACHLORIDE	10.95	117	13973	0.13	PPBV		93
46) BENZENE	10.80	78	31084	0.20	PPBV		100
49) TRICHLOROETHYLENE	11.84	95	11006	0.18	PPBV		90
59) TOLUENE	13.72	92	48805	0.51	PPBV		88

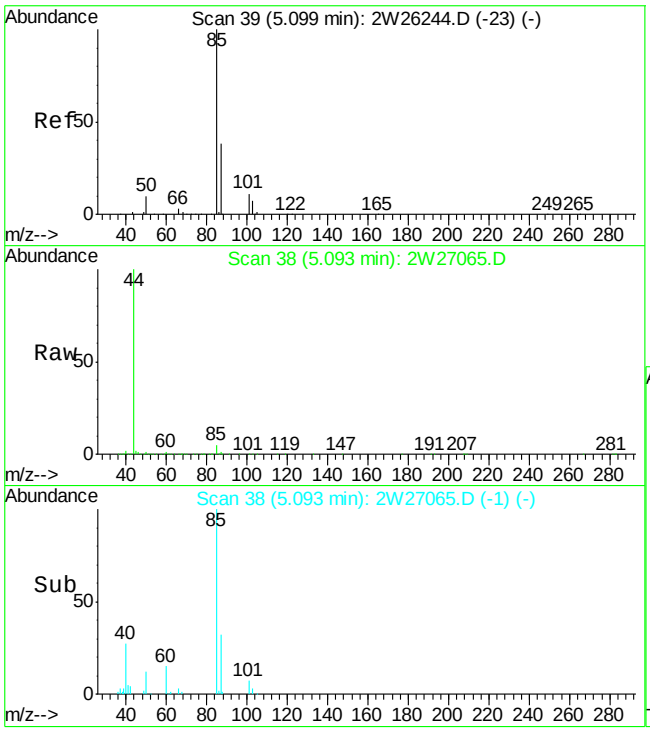
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27065.D Vial: 4
Acq On : 3 May 2010 3:13 pm Operator: yunxiac
Sample : ja45062-1dup Inst : MS2W
Misc : MS96138,V2W1140,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 10:00 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

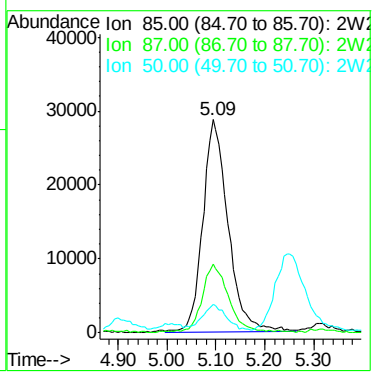


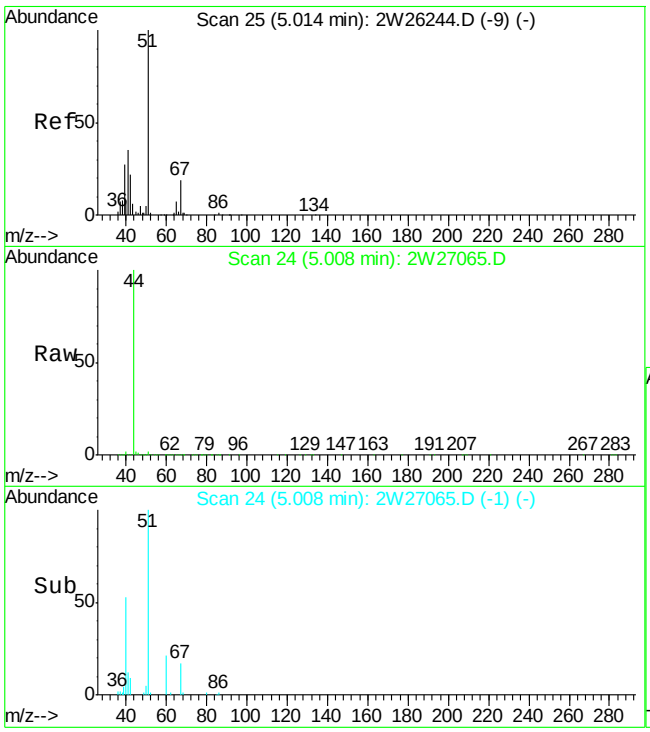


#3
DICHLORODIFLUOROMETHANE
Concen: 0.70 PPBV
RT: 5.09 min Scan# 38
Delta R.T. 0.00 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 85 Resp: 102924

Ion	Ratio	Lower	Upper
85	100		
87	34.3	14.2	54.2
50	10.9	0.0	31.0

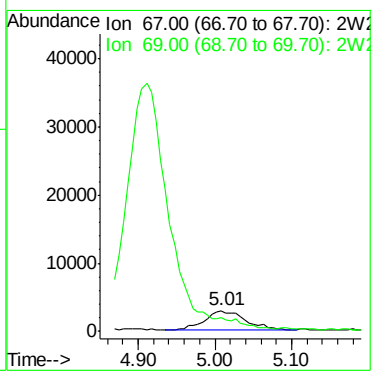




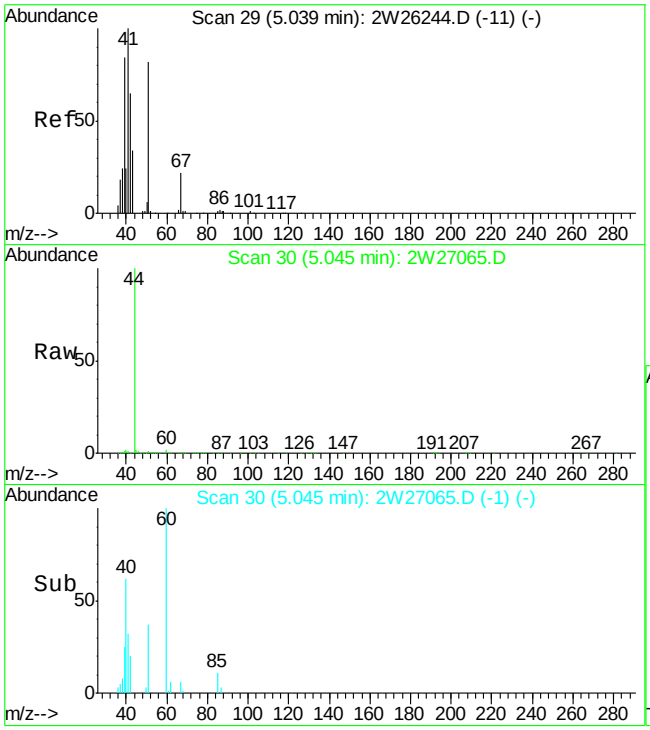
#5
CHLORODIFLUOROMETHANE
Concen: 0.63 PPBV
RT: 5.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 67 Resp: 10529

Ion	Ratio	Lower	Upper
67	100		
69	0.0	13.6	53.6#



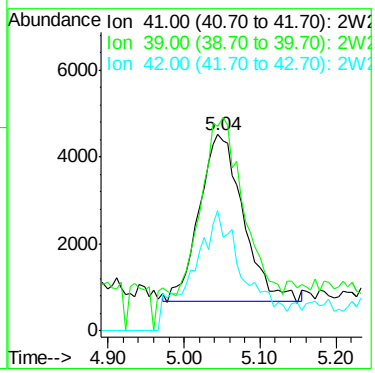
ACCUTEST Laboratories
JA45062

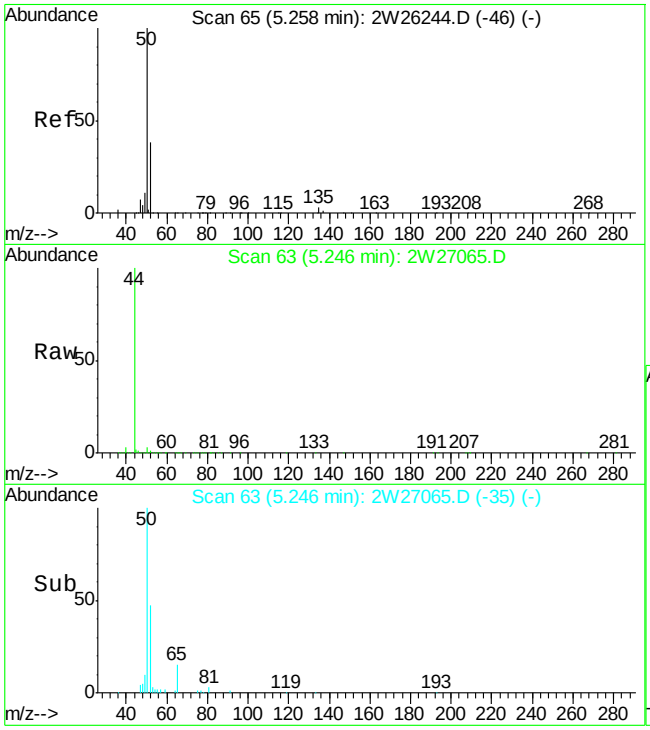


#6
PROPYLENE
Concen: 0.24 PPBV m
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 41 Resp: 15369

Ion	Ratio	Lower	Upper
41	100		
39	104.3	47.9	87.9#
42	61.4	47.3	87.3

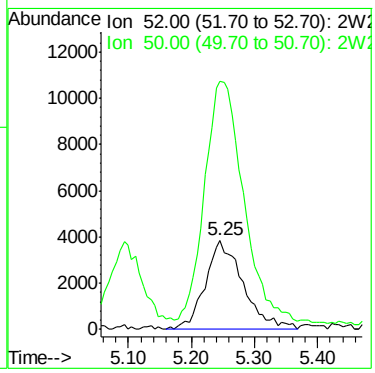




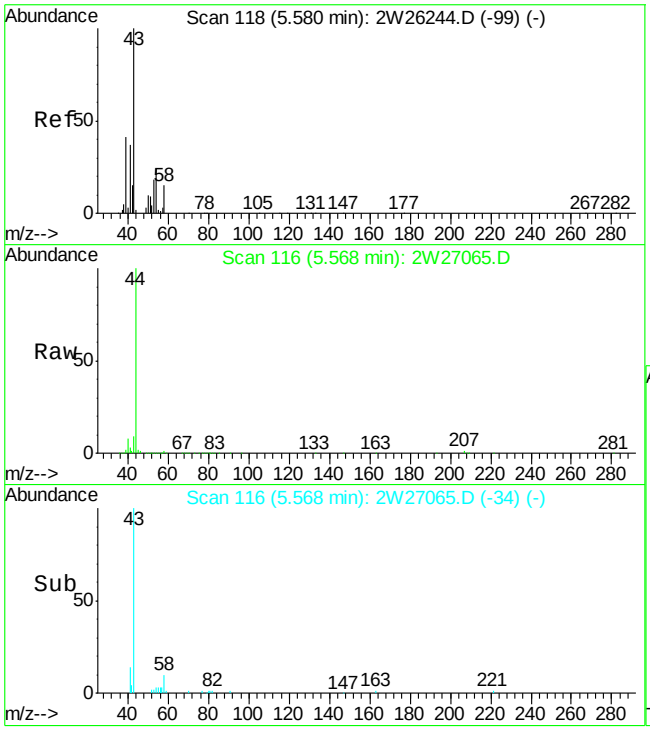
#9
CHLOROMETHANE
Concen: 0.66 PPBV
RT: 5.25 min Scan# 63
Delta R.T. 0.00 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 52 Resp: 16071

Ion	Ratio	Lower	Upper
52	100		
50	266.7	268.7	308.7#



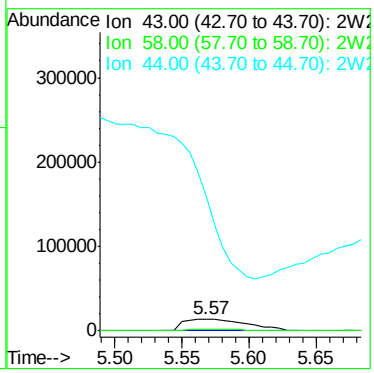
ACCUTEST Laboratories JA45062

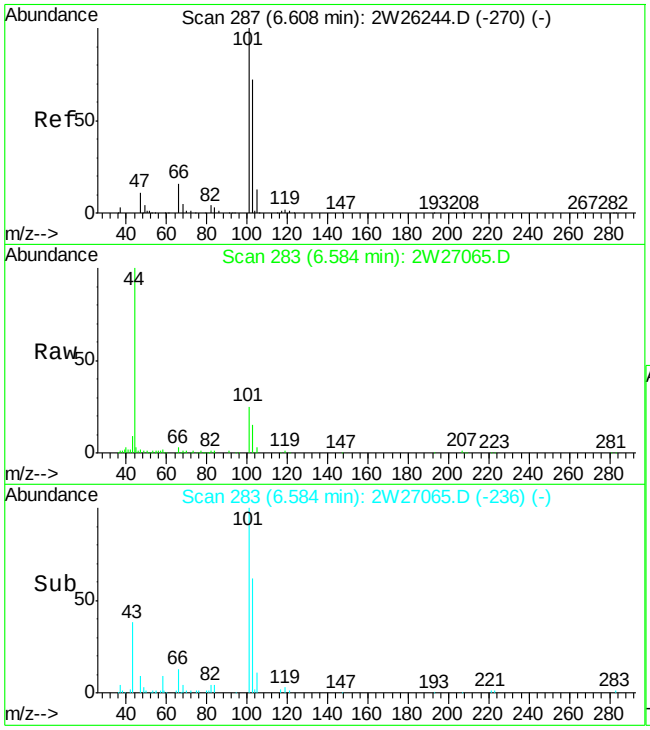


#12
n-BUTANE
Concen: 0.39 PPBV
RT: 5.57 min Scan# 116
Delta R.T. 0.00 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 43 Resp: 45336

Ion	Ratio	Lower	Upper
43	100		
58	14.8	10.6	15.8
44	0.0	2.3	3.5#

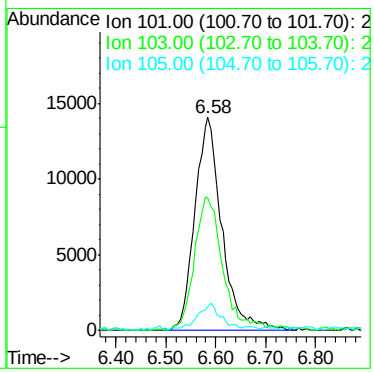




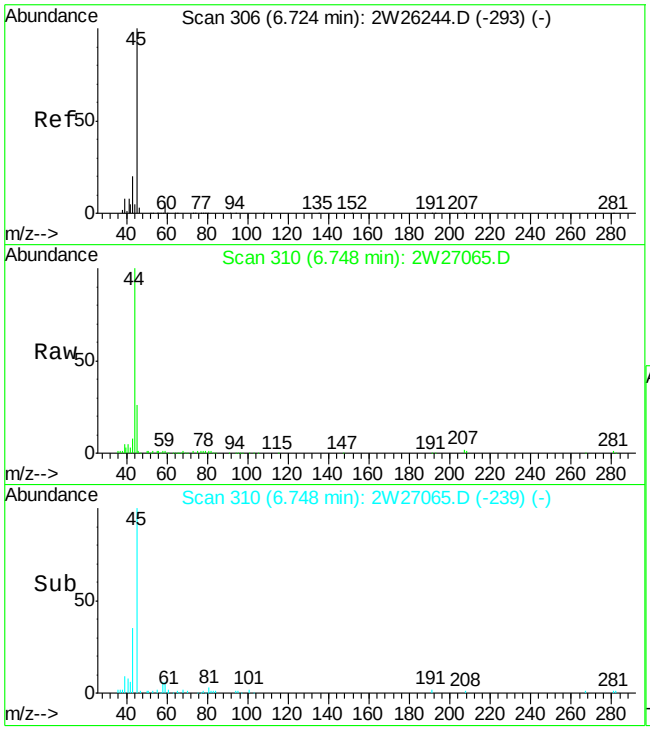
#17
TRICHLOROFLUOROMETHANE
Concen: 0.43 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion:101 Resp: 53123

Ion	Ratio	Lower	Upper
101	100		
103	67.3	46.7	86.7
105	11.6	0.0	31.2



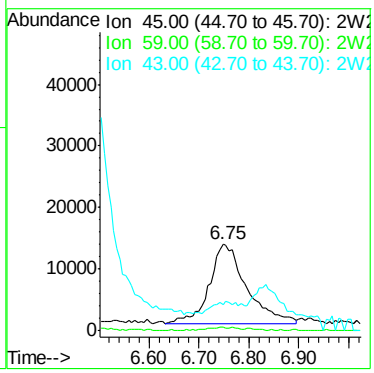
ACCUTEST Laboratories JA45062

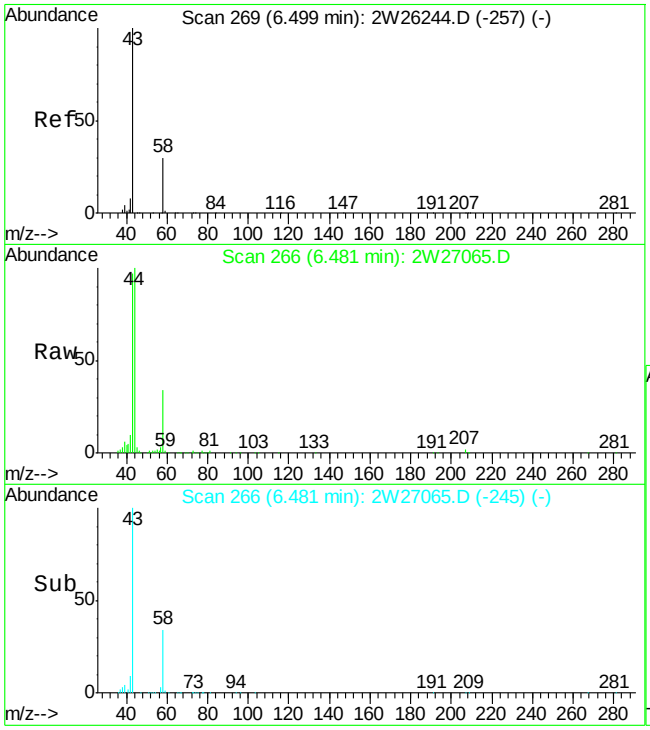


#18
ISOPROPYL ALCOHOL
Concen: 0.75 PPBV
RT: 6.75 min Scan# 310
Delta R.T. 0.08 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 45 Resp: 68236

Ion	Ratio	Lower	Upper
45	100		
59	4.8	0.0	24.1
43	29.8	0.2	40.2

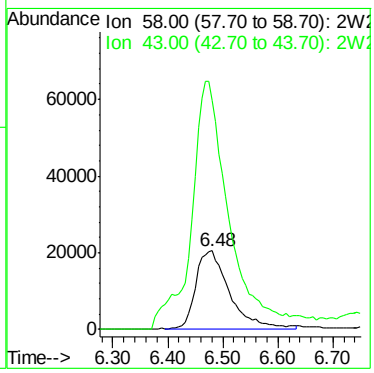




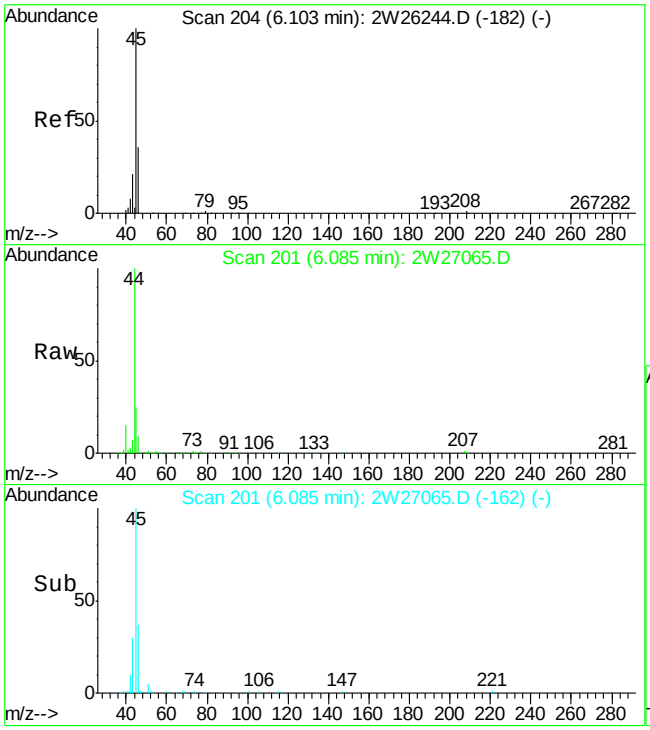
#19
ACETONE
Concen: 3.44 PPBV
RT: 6.48 min Scan# 266
Delta R.T. 0.03 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 58 Resp: 85676

Ion	Ratio	Lower	Upper
58	100		
43	355.9	315.8	355.8#



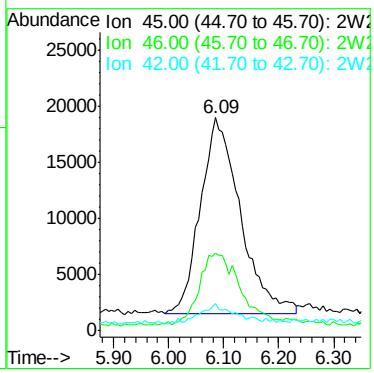
ACCUTEST Laboratories JA45062

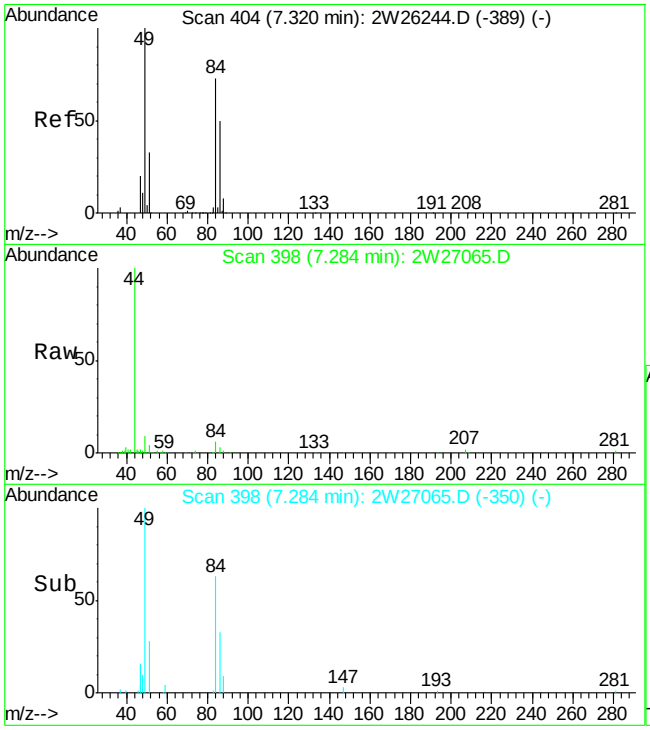


#25
ETHANOL
Concen: 3.51 PPBV
RT: 6.09 min Scan# 201
Delta R.T. 0.04 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 45 Resp: 88368

Ion	Ratio	Lower	Upper
45	100		
46	36.5	9.3	69.3
42	7.9	0.0	37.7

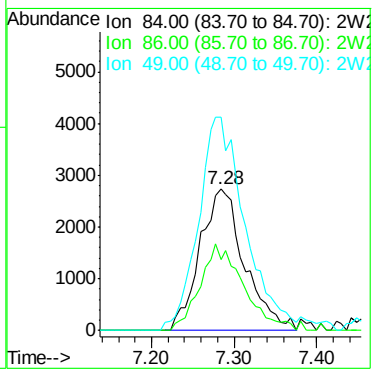


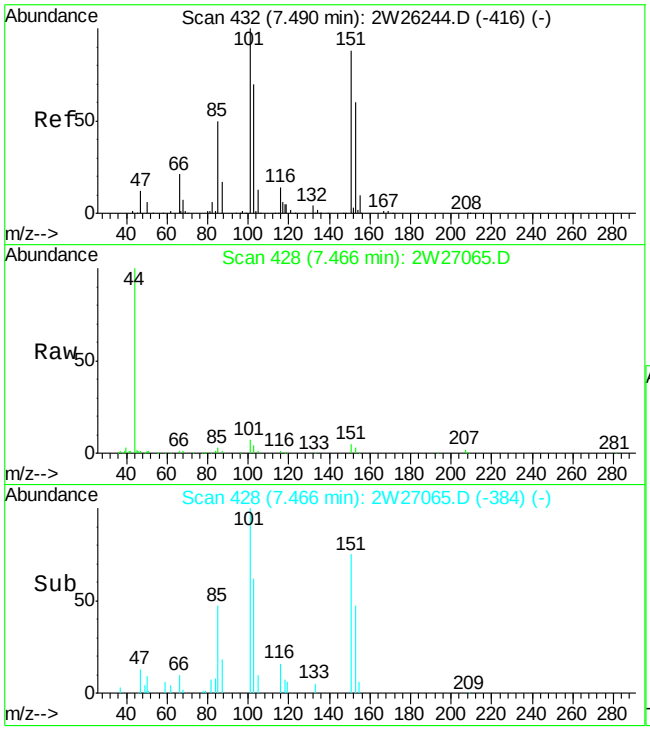


#27
METHYLENE CHLORIDE
Concen: 0.23 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 84 Resp: 10280

Ion	Ratio	Lower	Upper
84	100		
86	59.3	44.9	84.9
49	157.0	0.0	360.7

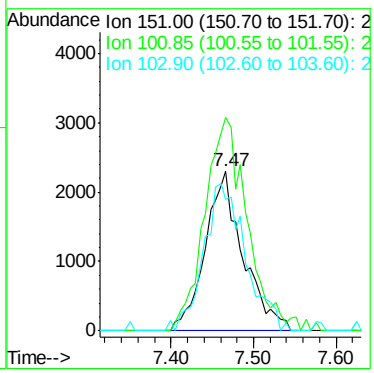


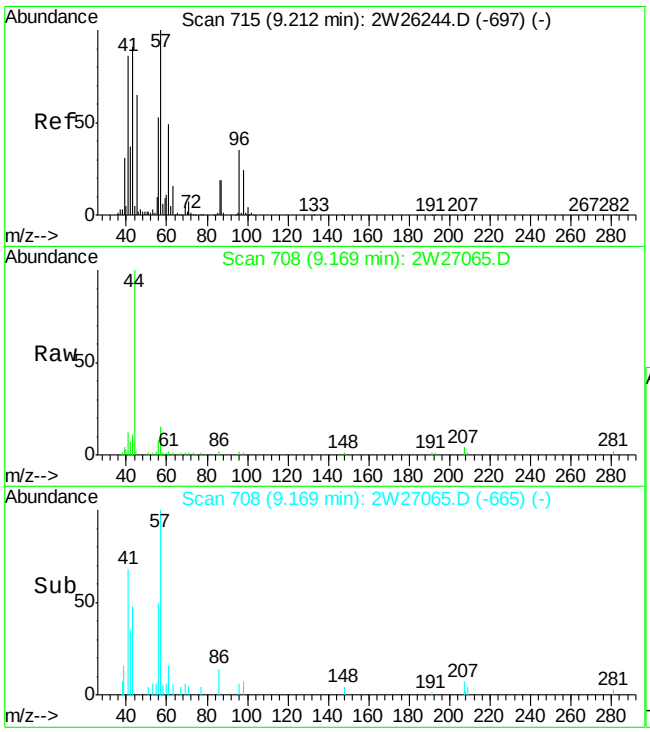


#29
FREON 113
Concen: 0.12 PPBV
RT: 7.47 min Scan# 428
Delta R.T. 0.02 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion:151 Resp: 7327

Ion	Ratio	Lower	Upper
151	100		
101	149.8	124.8	164.8
103	102.1	75.2	115.2

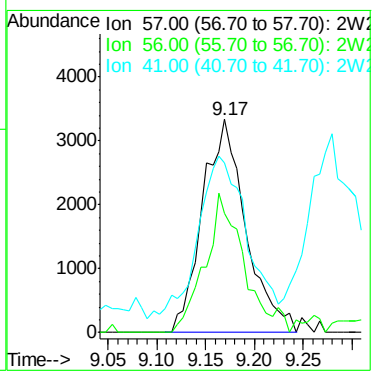


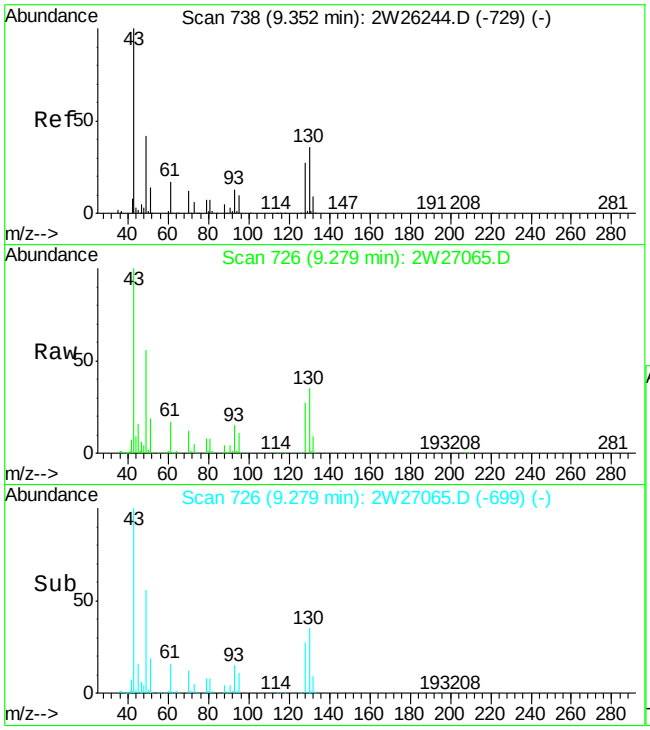


#34
HEXANE
Concen: 0.12 PPBV
RT: 9.17 min Scan# 708
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 57 Resp: 10304

Ion	Ratio	Lower	Upper
57	100		
56	58.7	32.4	72.4
41	84.8	77.6	117.6

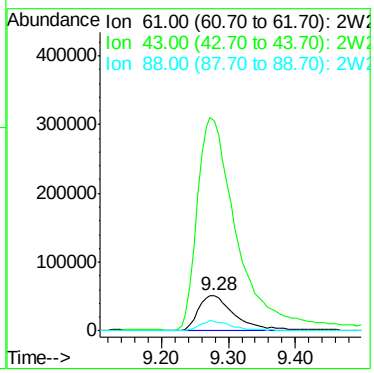


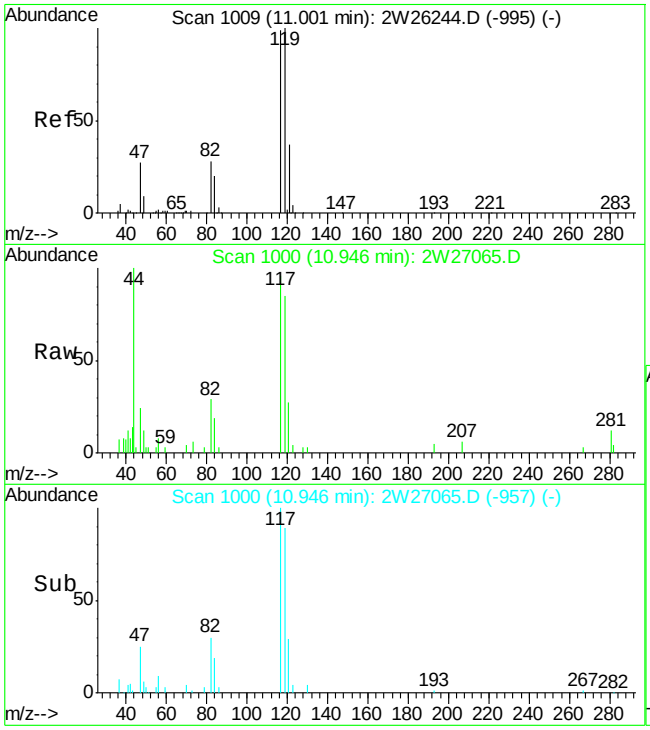


#39
ETHYL ACETATE
Concen: 13.45 PPBV
RT: 9.28 min Scan# 726
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 61 Resp: 195056

Ion	Ratio	Lower	Upper
61	100		
43	634.8	606.5	646.5
88	26.1	4.8	44.8

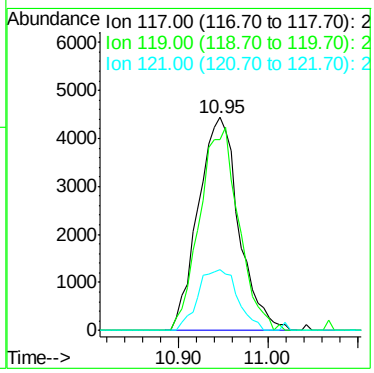


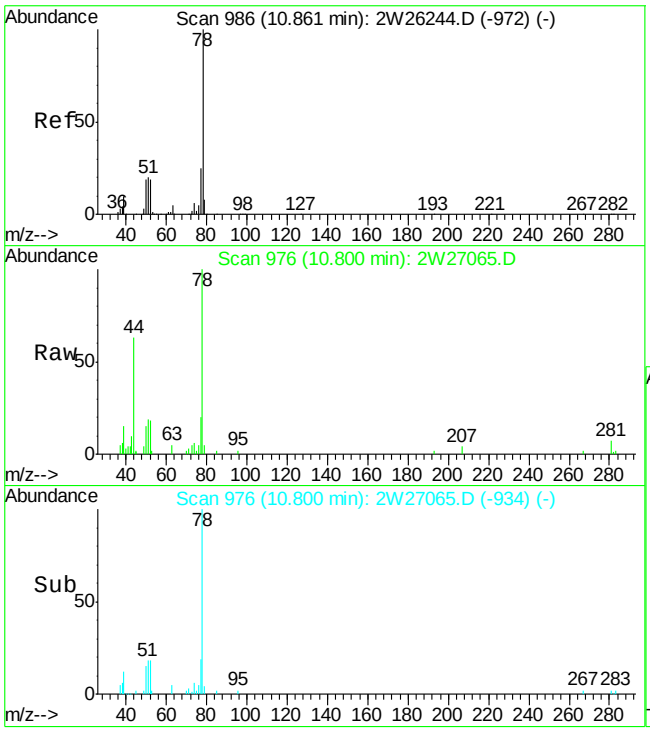


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.95 min Scan# 1000
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion:117 Resp: 13973

Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.0	118.0
121	27.9	12.8	52.8

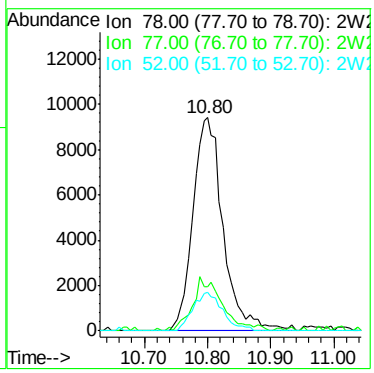


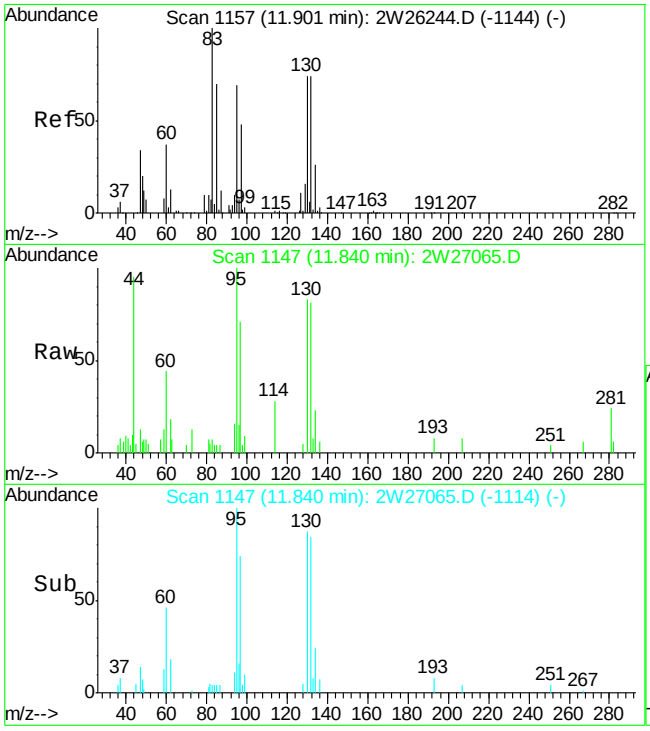


#46
BENZENE
Concen: 0.20 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 78 Resp: 31084

Ion	Ratio	Lower	Upper
78	100		
77	24.9	4.9	44.9
52	17.8	0.0	37.9

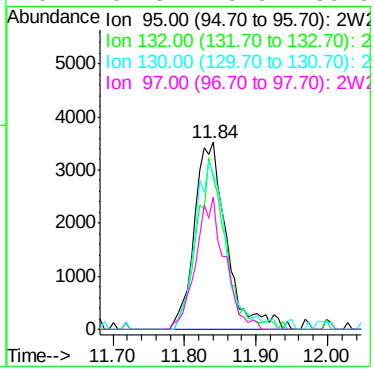


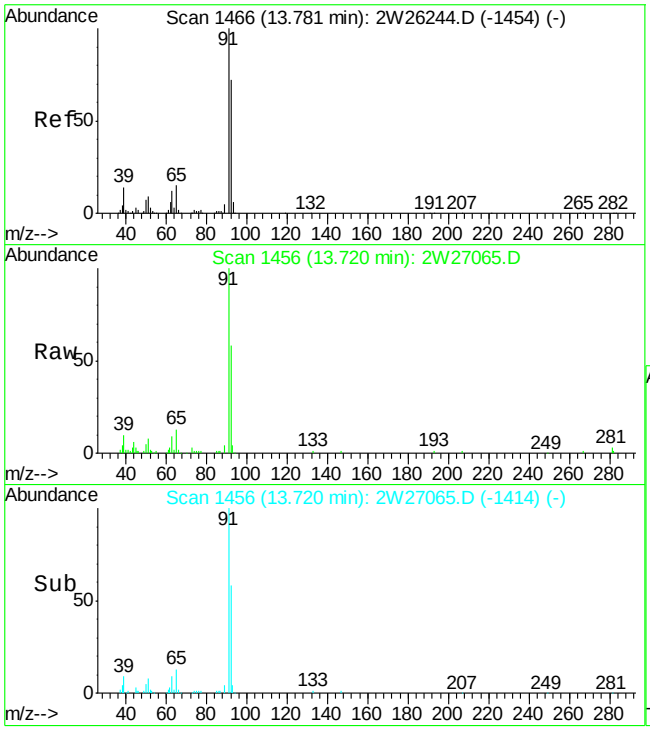


#49
TRICHLOROETHYLENE
Concen: 0.18 PPBV
RT: 11.84 min Scan# 1147
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 95 Resp: 11006

Ion	Ratio	Lower	Upper
95	100		
132	79.3	72.7	112.7
130	85.5	75.6	115.6
97	62.8	45.8	85.8

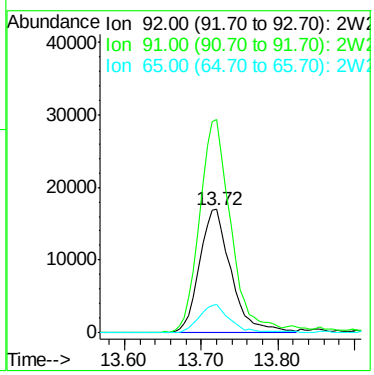




#59
TOLUENE
Concen: 0.51 PPBV
RT: 13.72 min Scan# 1456
Delta R.T. 0.01 min
Lab File: 2W27065.D
Acq: 3 May 2010 3:13 pm

Tgt Ion: 92 Resp: 48805

Ion	Ratio	Lower	Upper
92	100		
91	173.4	136.6	176.6
65	22.2	0.9	40.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27095.D Vial: 6
Acq On : 4 May 2010 9:40 pm Operator: yunxiac
Sample : ja45062-13dup Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 08:10:43 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

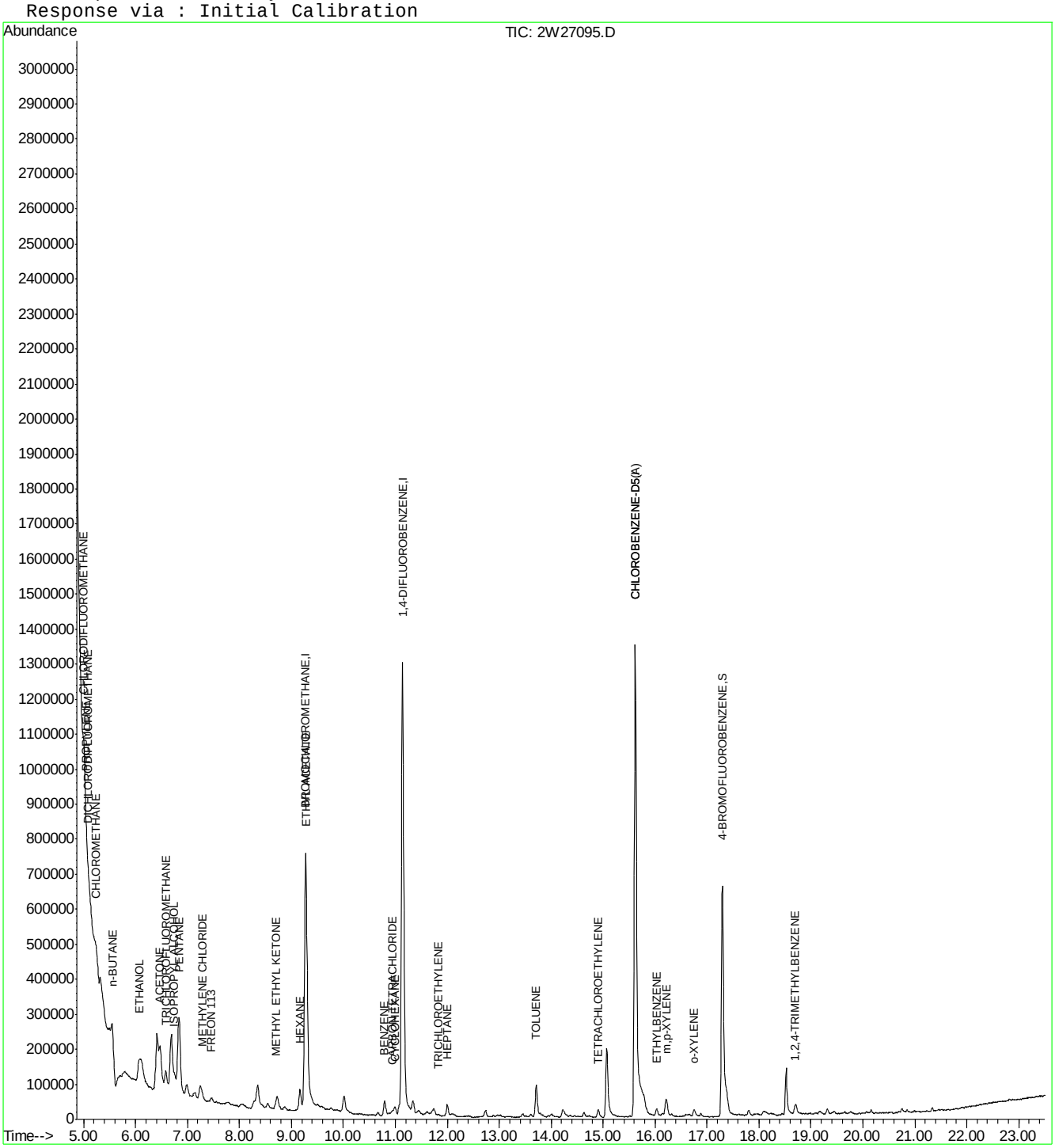
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	312542	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1583789	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	855141	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	855141	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	414514	4.67	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 93.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	92438	0.64	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	121736	7.42	PPBV		90
6) PROPYLENE	5.05	41	25270	0.41	PPBV	#	47
9) CHLOROMETHANE	5.24	52	12491	0.53	PPBV	#	81
12) n-BUTANE	5.57	43	127307	1.12	PPBV	#	98
17) TRICHLOROFLUOROMETHANE	6.58	101	103953	0.85	PPBV		98
18) ISOPROPYL ALCOHOL	6.74	45	190746	2.15	PPBV		87
19) ACETONE	6.48	58	92919	3.81	PPBV		95
20) PENTANE	6.84	42	179555	2.81	PPBV		93
25) ETHANOL	6.08	45	255987	10.38	PPBV		98
27) METHYLENE CHLORIDE	7.28	84	9184	0.21	PPBV		92
29) FREON 113	7.46	151	6203	0.10	PPBV		87
34) HEXANE	9.16	57	41115	0.49	PPBV		94
37) METHYL ETHYL KETONE	8.69	72	6407	0.29	PPBV	#	60
39) ETHYL ACETATE	9.29	61	21165	1.49	PPBV	#	70
43) CARBON TETRACHLORIDE	10.94	117	12484	0.12	PPBV		97
46) BENZENE	10.79	78	58692	0.36	PPBV		98
47) CYCLOHEXANE	10.99	84	13432	0.15	PPBV		89
49) TRICHLOROETHYLENE	11.83	95	2951	0.05	PPBV	#	85
55) HEPTANE	12.00	43	21191	0.21	PPBV		87
59) TOLUENE	13.71	92	58964	0.59	PPBV	#	81
64) TETRACHLOROETHYLENE	14.91	164	5823	0.10	PPBV		97
70) ETHYLBENZENE	16.03	91	20508	0.11	PPBV		92
71) m,p-XYLENE	16.21	106	25697	0.35	PPBV	#	74
72) o-XYLENE	16.76	106	8427	0.11	PPBV	#	74
84) 1,2,4-TRIMETHYLBENZENE	18.68	105	14101	0.12	PPBV	#	32

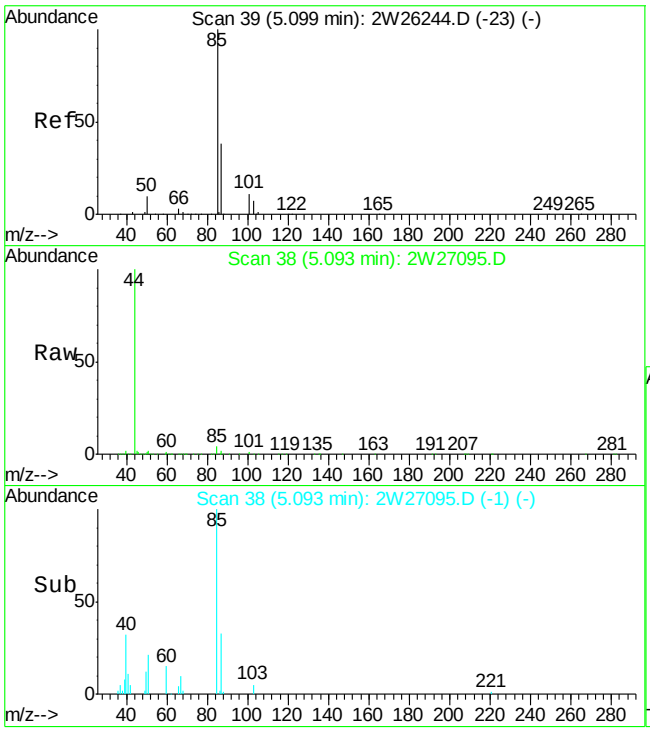
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27095.D Vial: 6
Acq On : 4 May 2010 9:40 pm Operator: yunxiac
Sample : ja45062-13dup Inst : MS2W
Misc : MS96138,V2W1141,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:35 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration

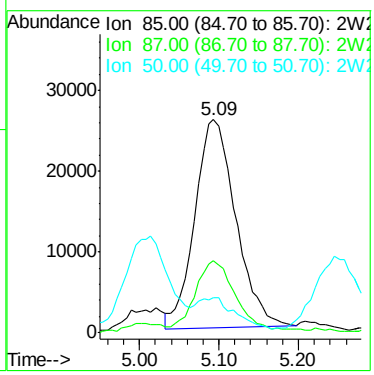


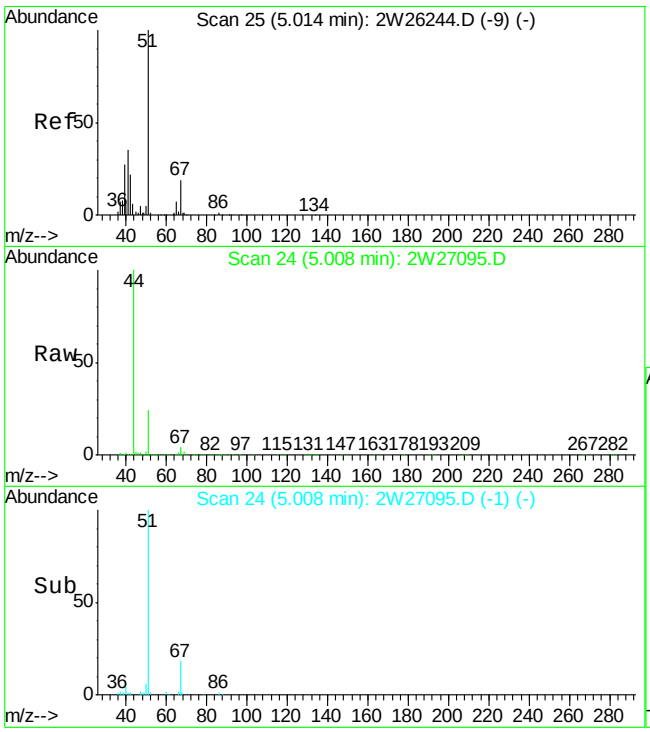


#3
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 5.09 min Scan# 38
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 85 Resp: 92438

Ion	Ratio	Lower	Upper
85	100		
87	33.0	14.2	54.2
50	13.0	0.0	31.0

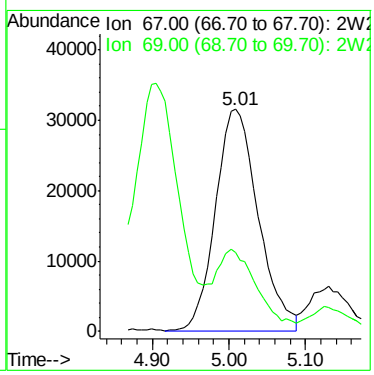


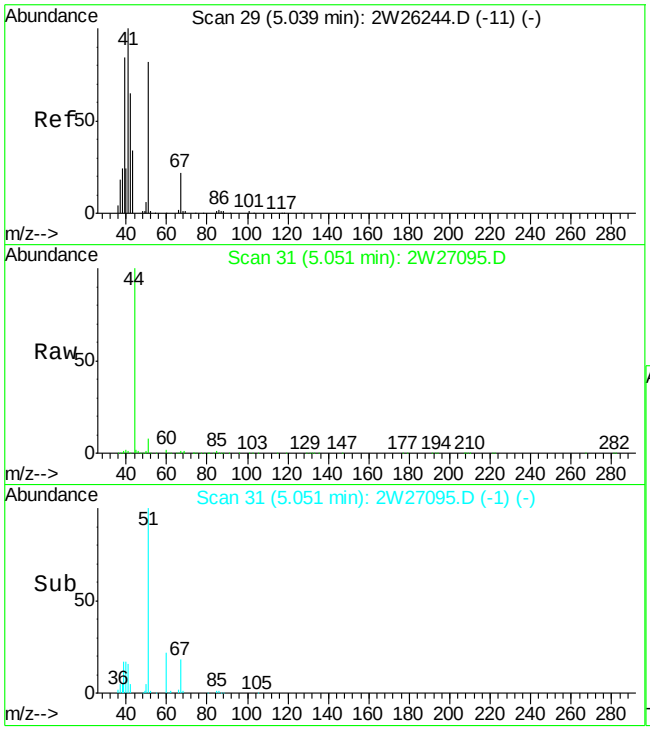


#5
CHLORODIFLUOROMETHANE
Concen: 7.42 PPBV
RT: 5.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 67 Resp: 121736

Ion	Ratio	Lower	Upper
67	100		
69	27.6	13.6	53.6

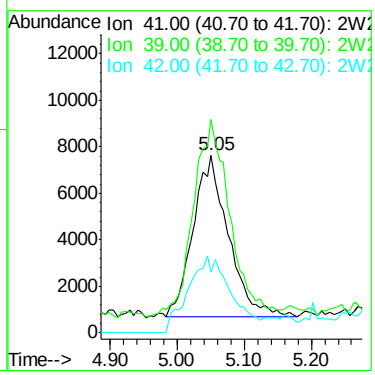


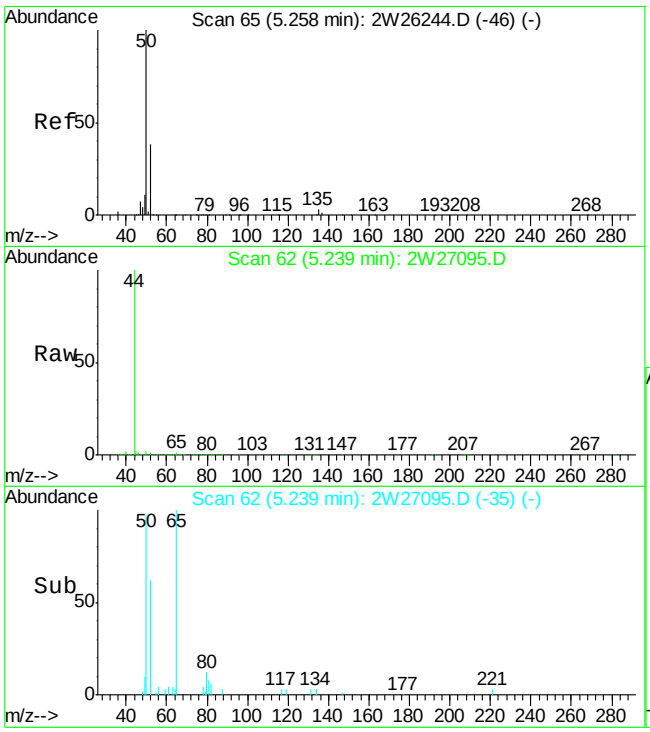


#6
PROPYLENE
Concen: 0.41 PPBV
RT: 5.05 min Scan# 31
Delta R.T. 0.02 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 41 Resp: 25270

Ion	Ratio	Lower	Upper
41	100		
39	119.9	47.9	87.9#
42	34.4	47.3	87.3#

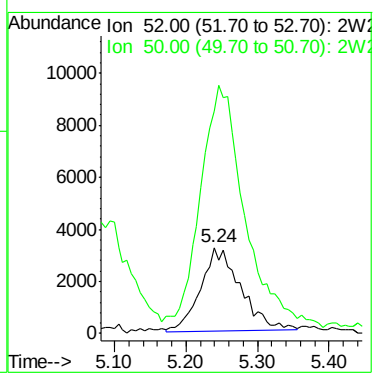




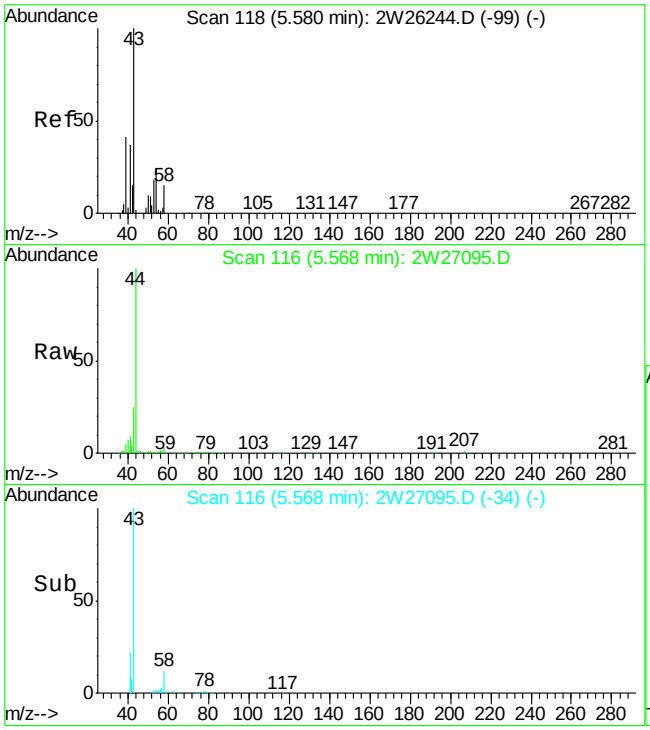
#9
CHLOROMETHANE
Concen: 0.53 PPBV
RT: 5.24 min Scan# 62
Delta R.T. -0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 52 Resp: 12491

Ion	Ratio	Lower	Upper
52	100		
50	251.7	268.7	308.7#



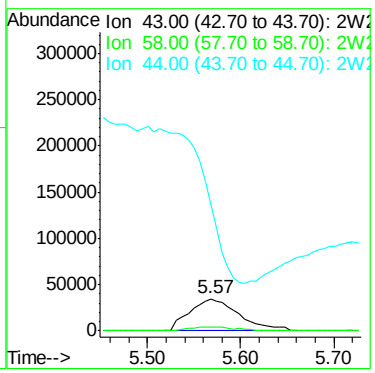
ACCUTEST Laboratories
JA45062

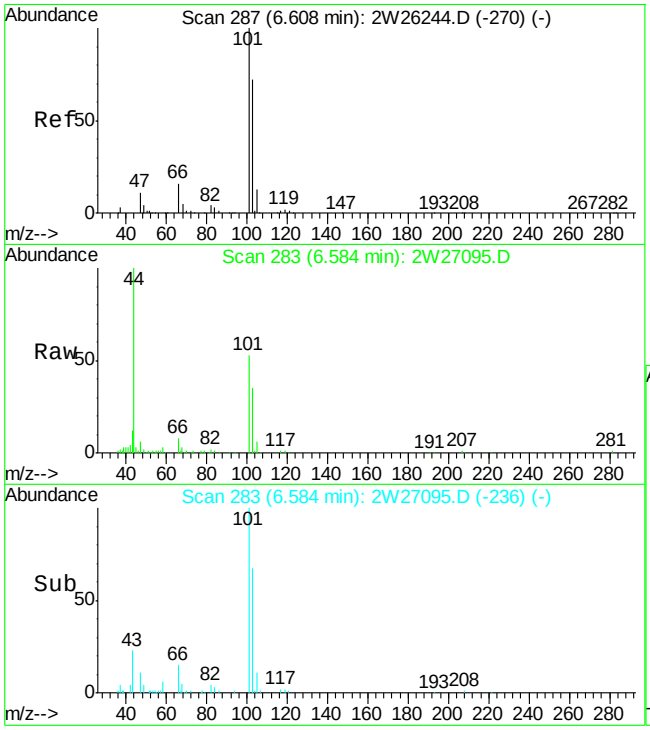


#12
n-BUTANE
Concen: 1.12 PPBV
RT: 5.57 min Scan# 116
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 43 Resp: 127307

Ion	Ratio	Lower	Upper
43	100		
58	12.8	10.6	15.8
44	0.0	2.3	3.5#

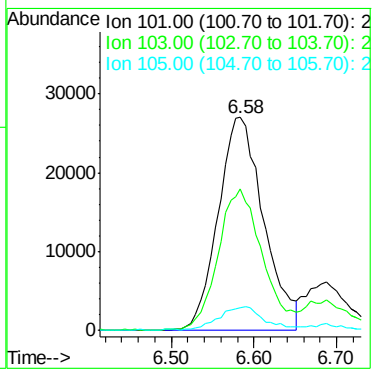


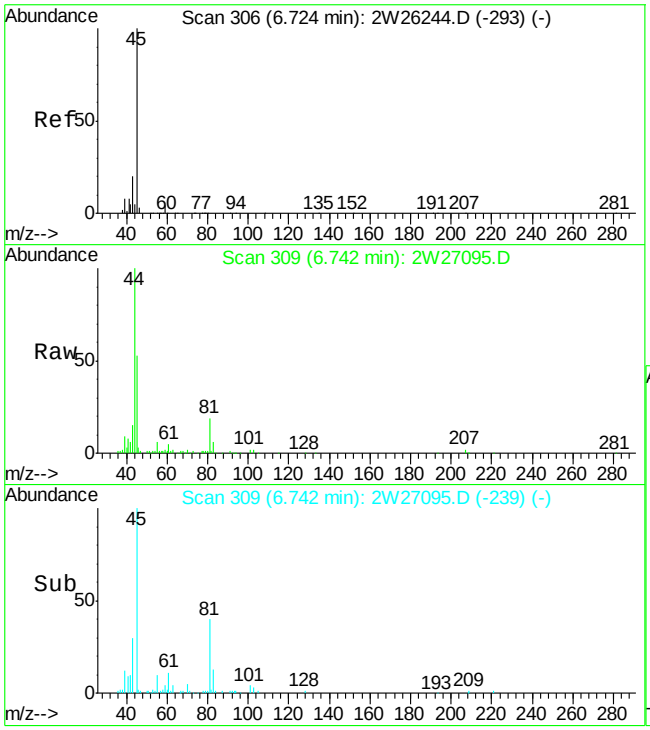


#17
TRICHLOROFLUOROMETHANE
Concen: 0.85 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:101 Resp: 103953

Ion	Ratio	Lower	Upper
101	100		
103	65.1	46.7	86.7
105	11.5	0.0	31.2

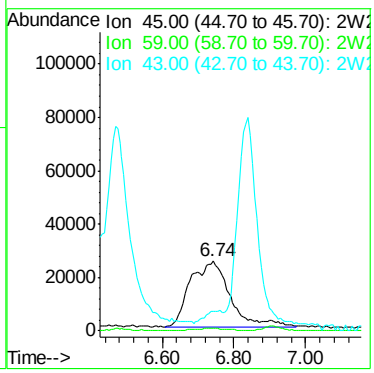


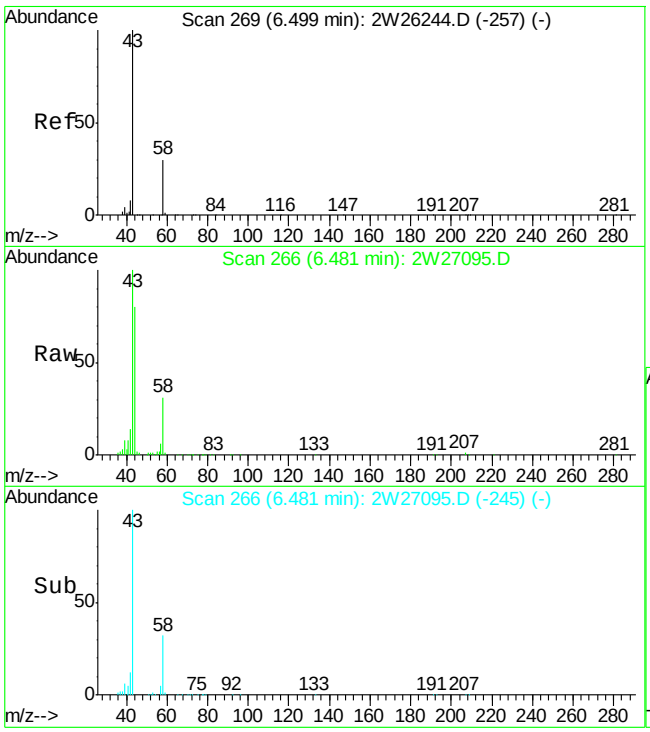


#18
ISOPROPYL ALCOHOL
Concen: 2.15 PPBV
RT: 6.74 min Scan# 309
Delta R.T. 0.07 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 45 Resp: 190746

Ion	Ratio	Lower	Upper
45	100		
59	4.4	0.0	24.1
43	27.6	0.2	40.2

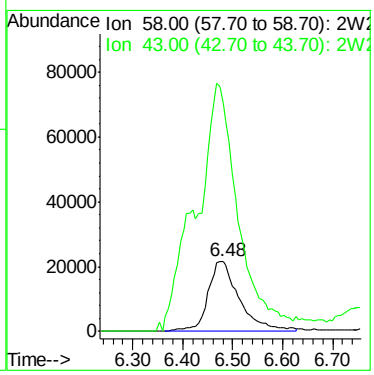


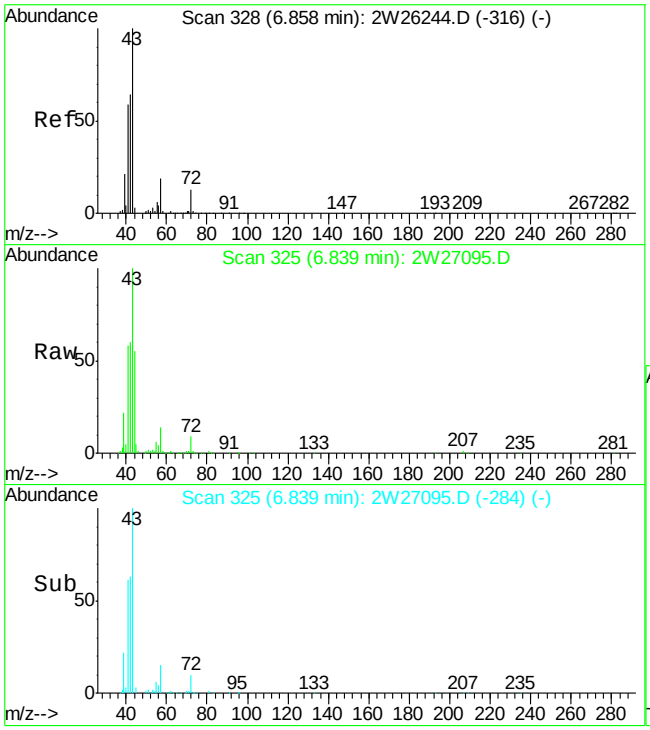


#19
ACETONE
Concen: 3.81 PPBV
RT: 6.48 min Scan# 266
Delta R.T. 0.03 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 58 Resp: 92919

Ion	Ratio	Lower	Upper
58	100		
43	326.1	315.8	355.8

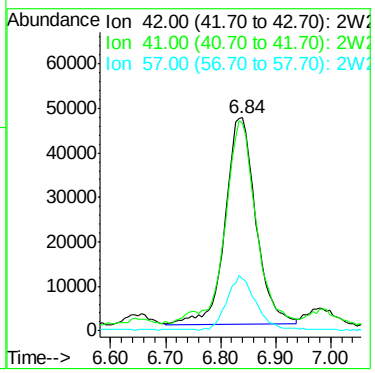


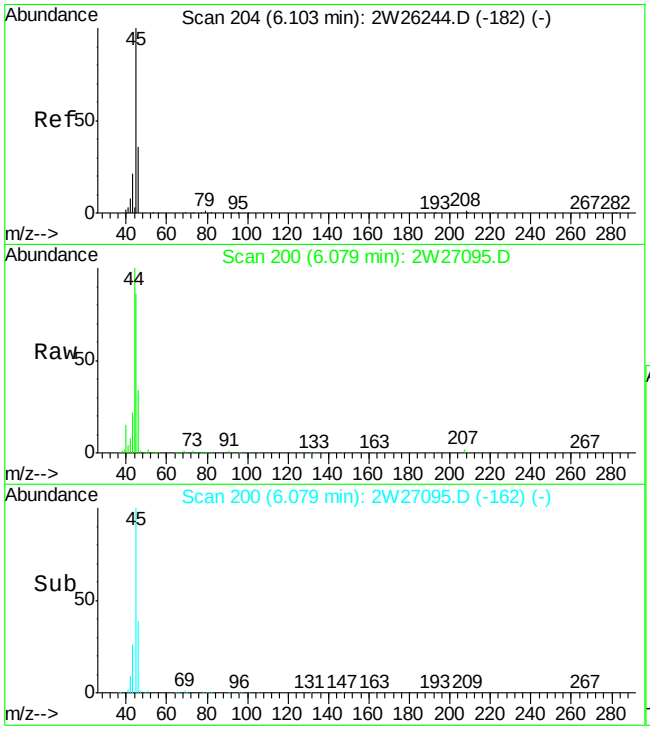


#20
PENTANE
Concen: 2.81 PPBV
RT: 6.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 42 Resp: 179555

Ion	Ratio	Lower	Upper
42	100		
41	95.3	67.5	107.5
57	24.4	6.1	46.1

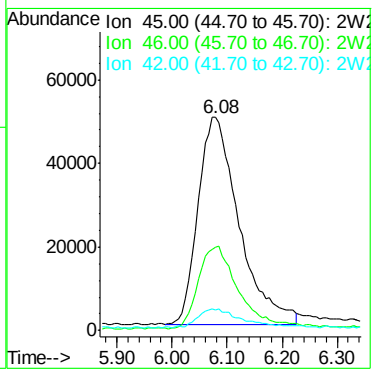


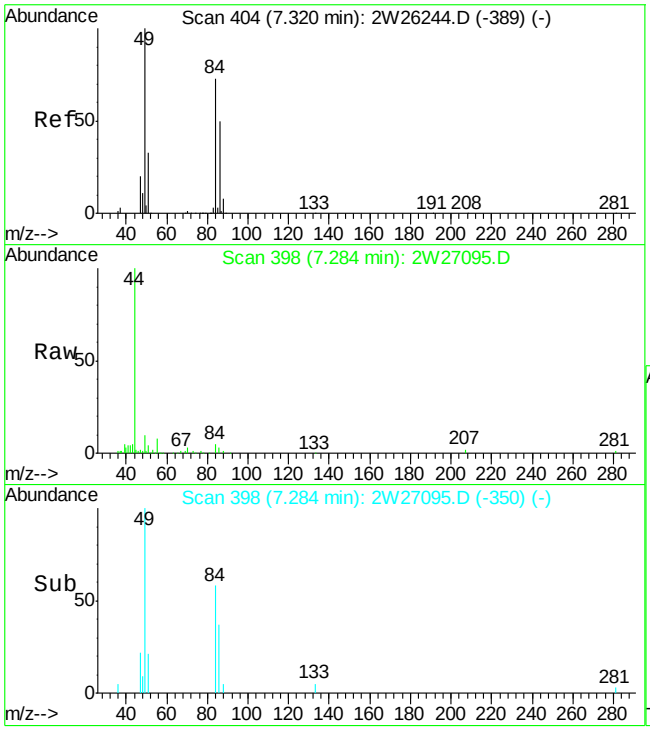


#25
ETHANOL
Concen: 10.38 PPBV
RT: 6.08 min Scan# 200
Delta R.T. 0.03 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 45 Resp: 255987

Ion	Ratio	Lower	Upper
45	100		
46	38.7	9.3	69.3
42	9.5	0.0	37.7

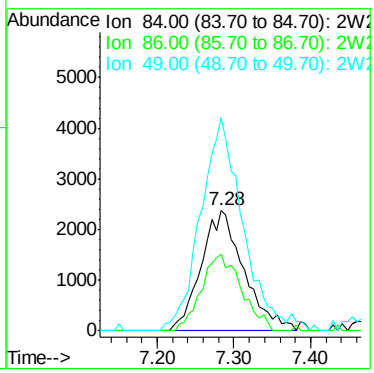


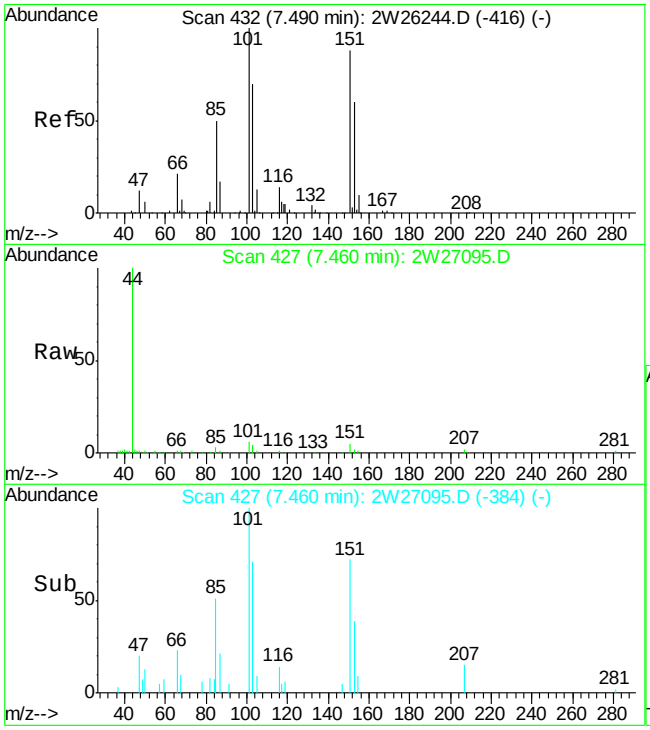


#27
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 7.28 min Scan# 398
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 84 Resp: 9184

Ion	Ratio	Lower	Upper
84	100		
86	59.7	44.9	84.9
49	172.2	0.0	360.7

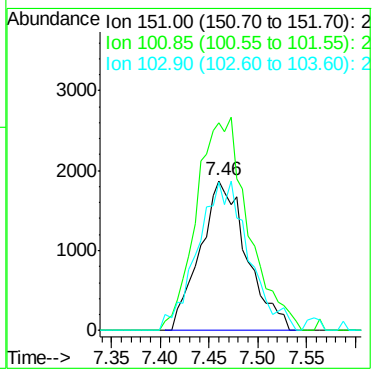


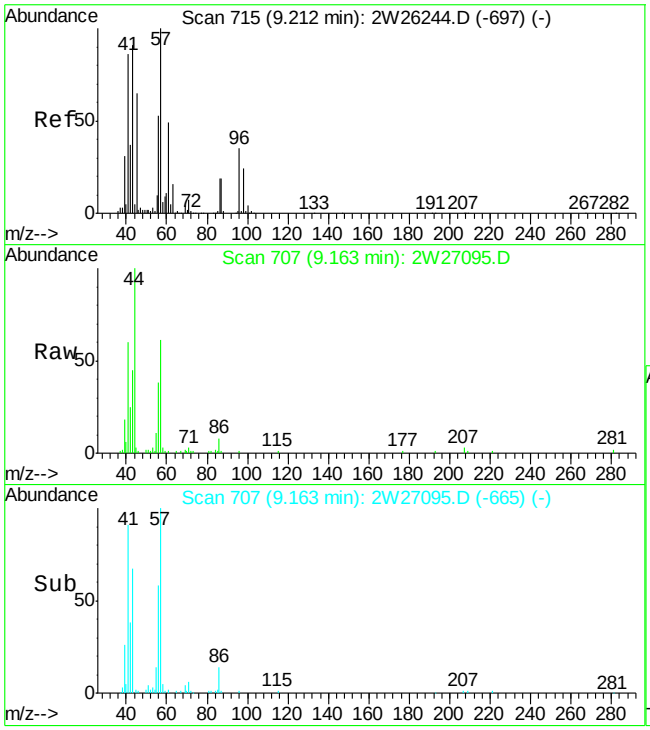


#29
FREON 113
Concen: 0.10 PPBV
RT: 7.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:151 Resp: 6203

Ion	Ratio	Lower	Upper
151	100		
101	158.6	124.8	164.8
103	109.6	75.2	115.2

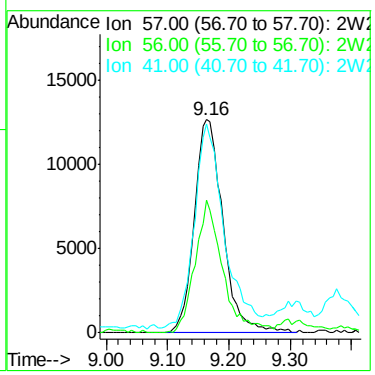


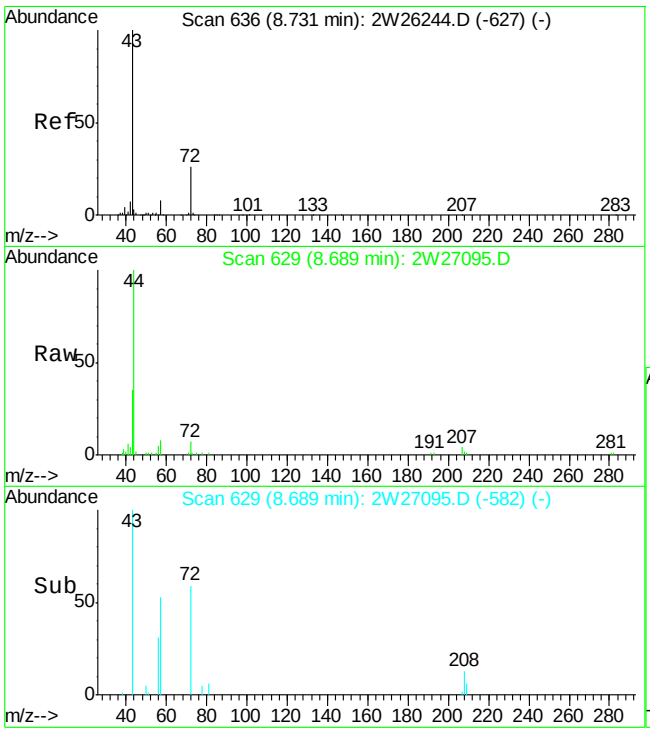


#34
HEXANE
Concen: 0.49 PPBV
RT: 9.16 min Scan# 707
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 57 Resp: 41115

Ion	Ratio	Lower	Upper
57	100		
56	60.1	32.4	72.4
41	101.3	77.6	117.6

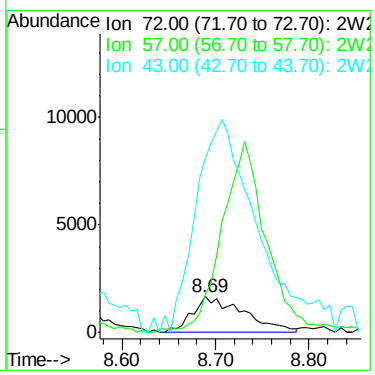


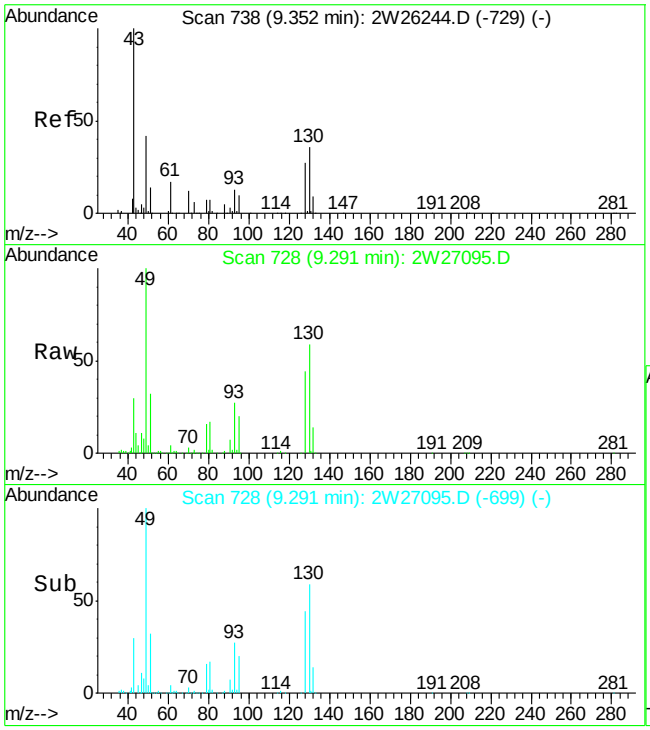


#37
METHYL ETHYL KETONE
Concen: 0.29 PPBV
RT: 8.69 min Scan# 629
Delta R.T. 0.04 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 72 Resp: 6407

Ion	Ratio	Lower	Upper
72	100		
57	107.0	13.8	53.8#
43	488.3	389.3	429.3#

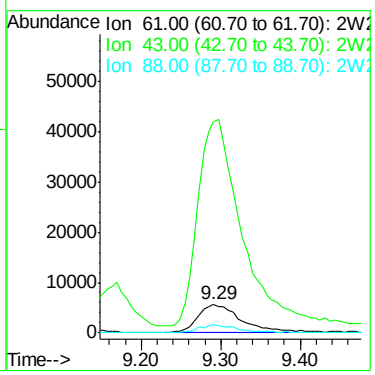


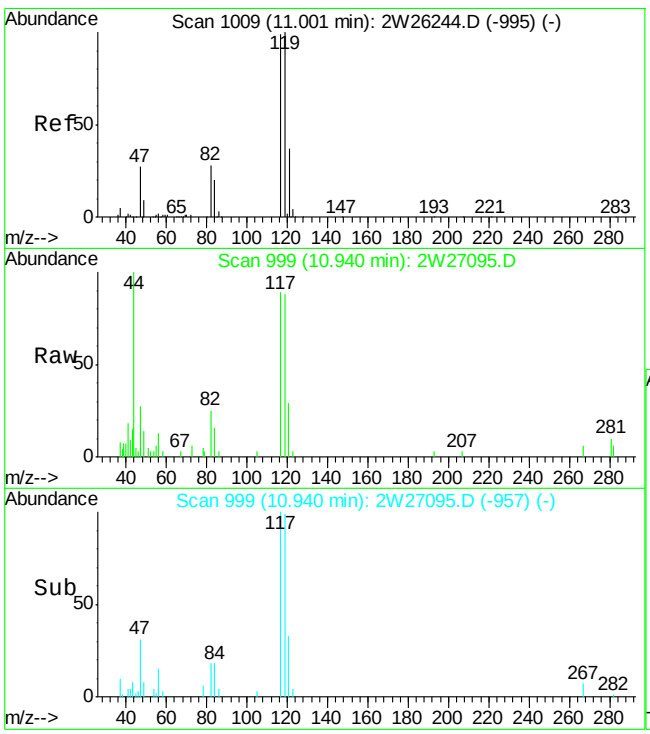


#39
ETHYL ACETATE
Concen: 1.49 PPBV
RT: 9.29 min Scan# 728
Delta R.T. 0.03 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 61 Resp: 21165

Ion	Ratio	Lower	Upper
61	100		
43	727.8	606.5	646.5#
88	26.4	4.8	44.8

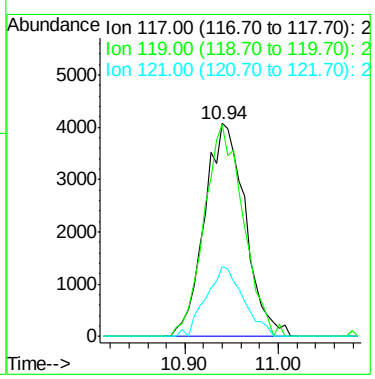


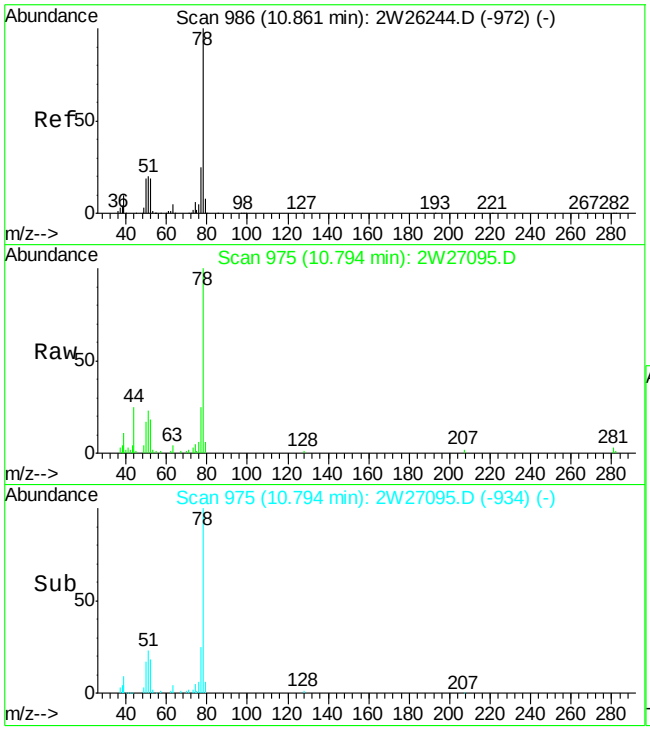


#43
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:117 Resp: 12484

Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.0	118.0
121	30.1	12.8	52.8

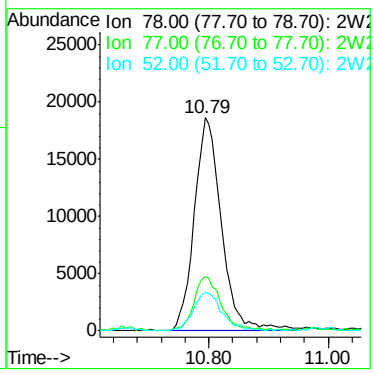


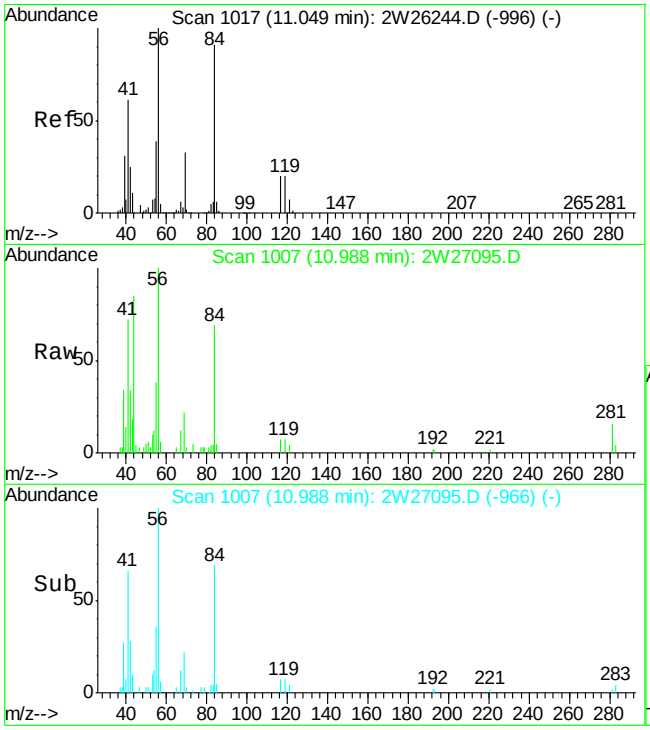


#46
BENZENE
Concen: 0.36 PPBV
RT: 10.79 min Scan# 975
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 78 Resp: 58692

Ion	Ratio	Lower	Upper
78	100		
77	25.6	4.9	44.9
52	19.1	0.0	37.9

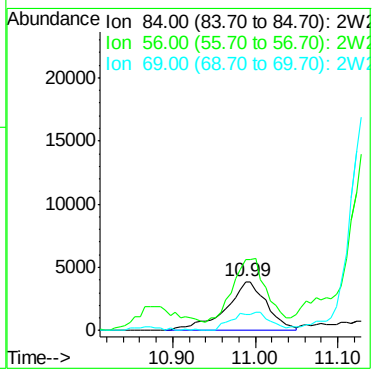


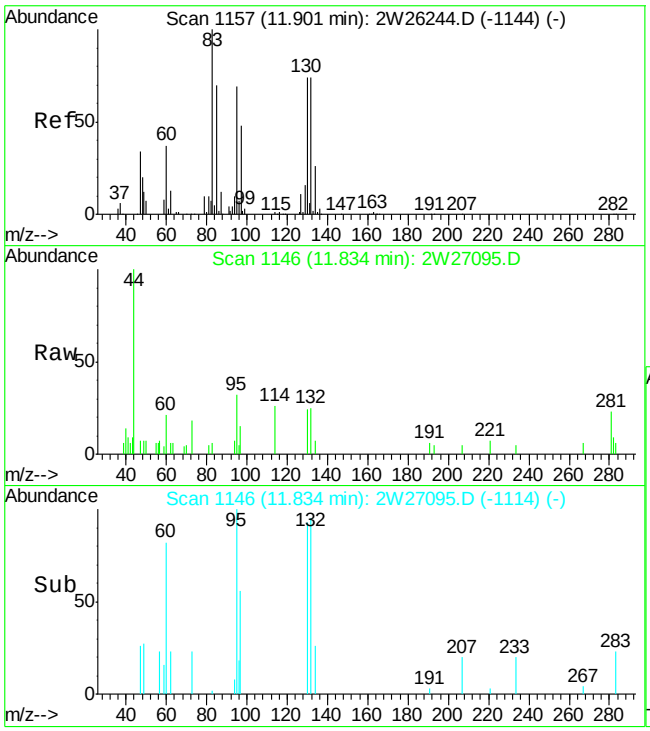


#47
CYCLOHEXANE
Concen: 0.15 PPBV
RT: 10.99 min Scan# 1007
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 84 Resp: 13432

Ion	Ratio	Lower	Upper
84	100		
56	112.1	79.5	119.5
69	34.2	10.7	50.7

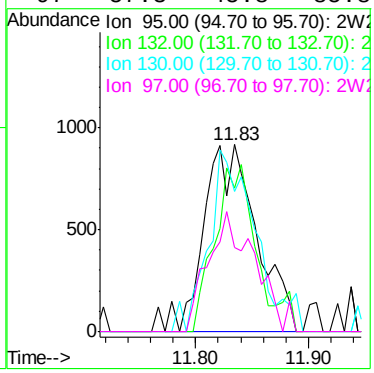


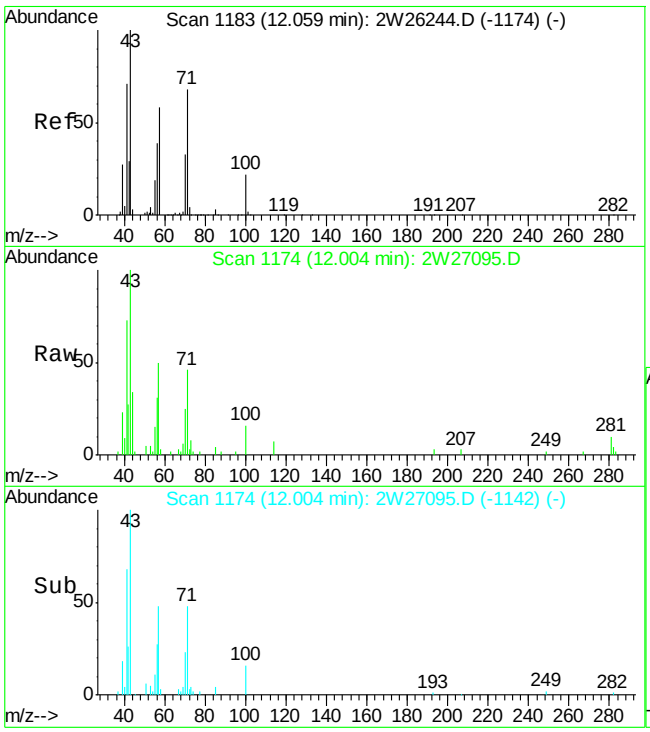


#49
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.83 min Scan# 1146
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 95 Resp: 2951

Ion	Ratio	Lower	Upper
95	100		
132	70.7	72.7	112.7#
130	86.8	75.6	115.6
97	57.3	45.8	85.8

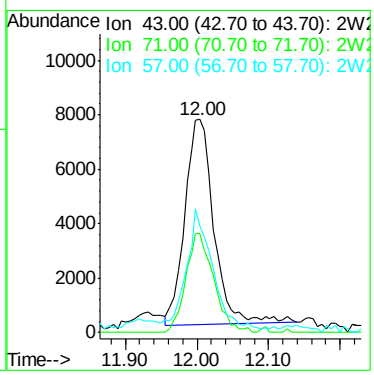


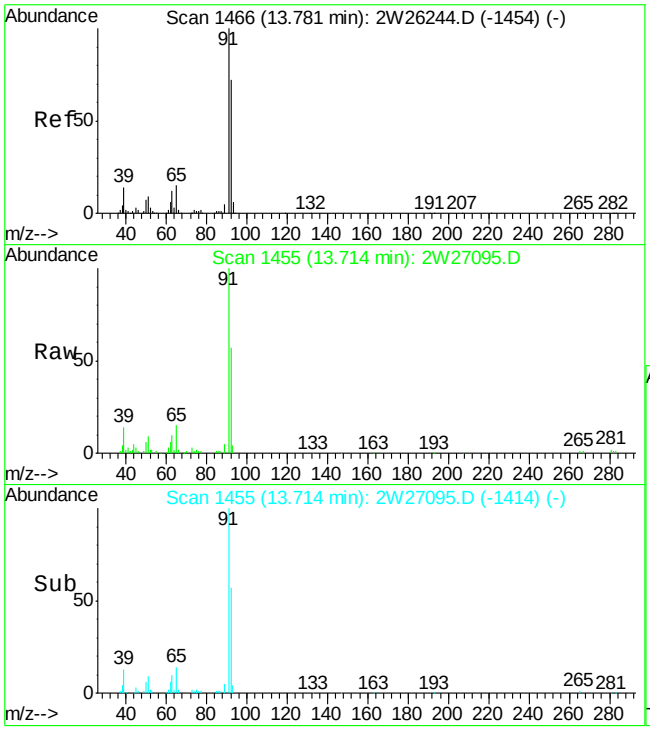


#55
HEPTANE
Concen: 0.21 PPBV
RT: 12.00 min Scan# 1174
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 43 Resp: 21191

Ion	Ratio	Lower	Upper
43	100		
71	46.6	41.4	81.4
57	51.9	36.9	76.9

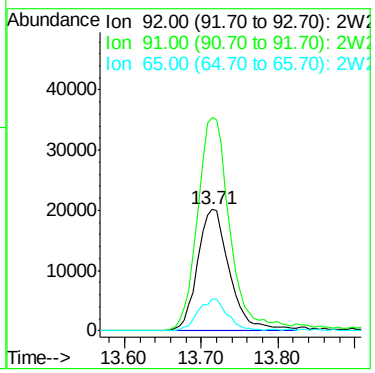


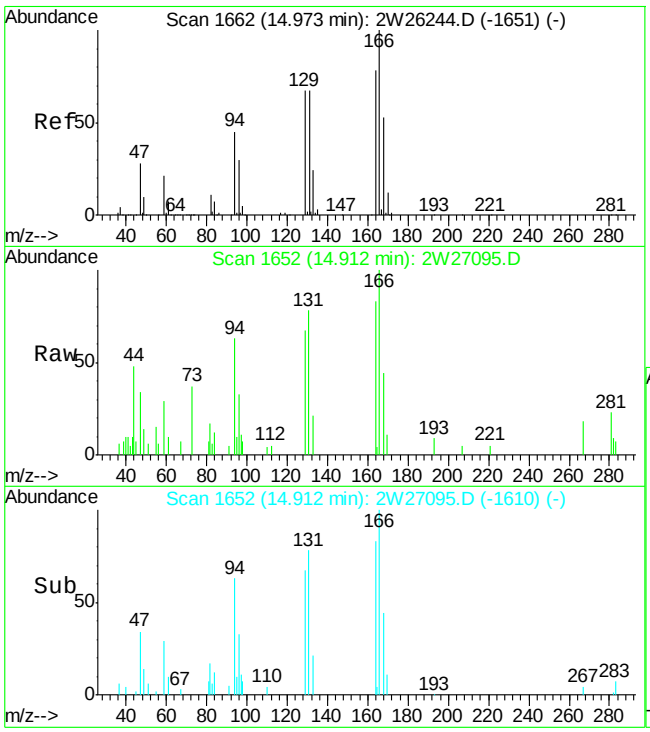


#59
TOLUENE
Concen: 0.59 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 92 Resp: 58964

Ion	Ratio	Lower	Upper
92	100		
91	182.9	136.6	176.6#
65	24.3	0.9	40.9

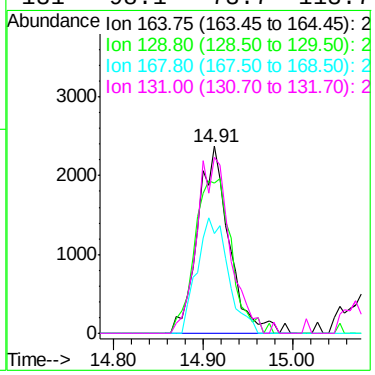


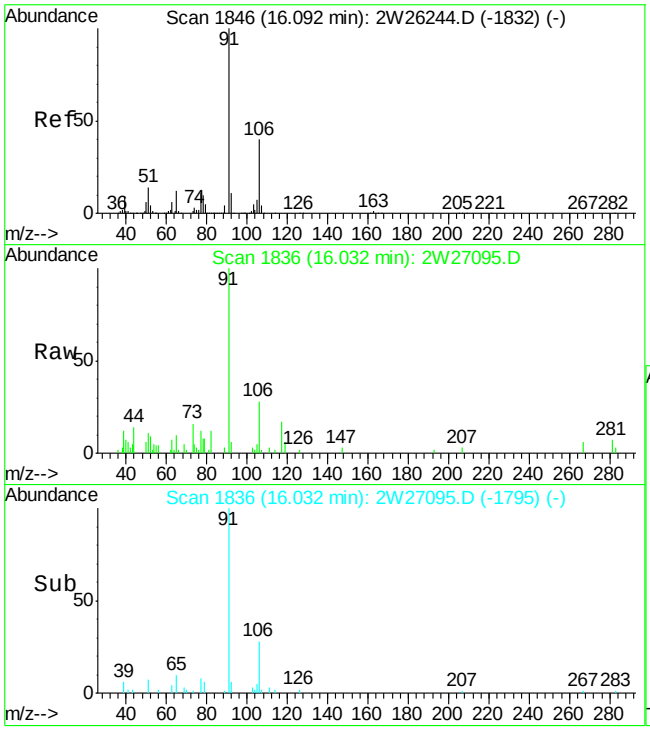


#64
TETRACHLOROETHYLENE
Concen: 0.10 PPBV
RT: 14.91 min Scan# 1652
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:164 Resp: 5823

Ion	Ratio	Lower	Upper
164	100		
129	95.9	76.6	116.6
168	60.3	44.5	84.5
131	98.1	73.7	113.7

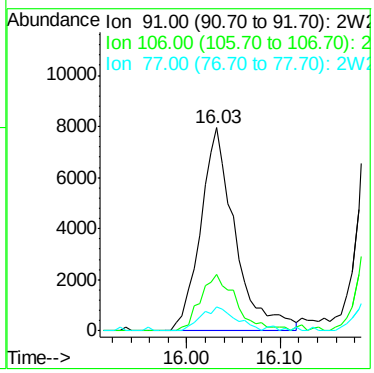


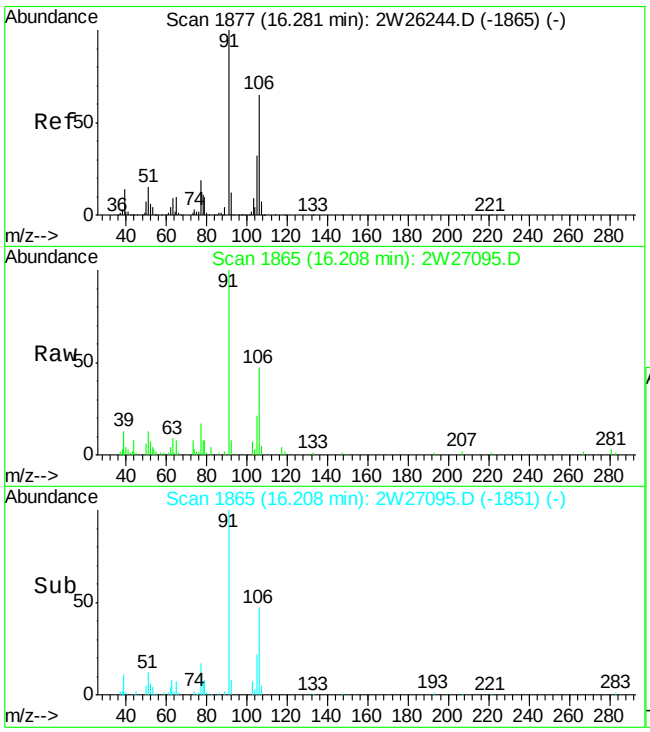


#70
ETHYLBENZENE
Concen: 0.11 PPBV
RT: 16.03 min Scan# 1836
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion: 91 Resp: 20508

Ion	Ratio	Lower	Upper
91	100		
106	28.8	13.5	53.5
77	11.8	0.0	29.7

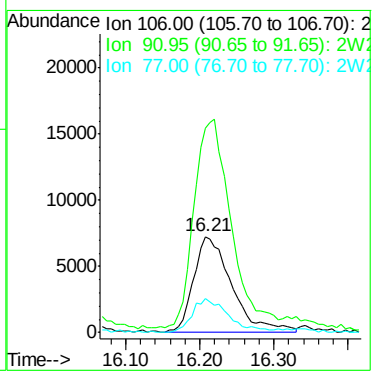


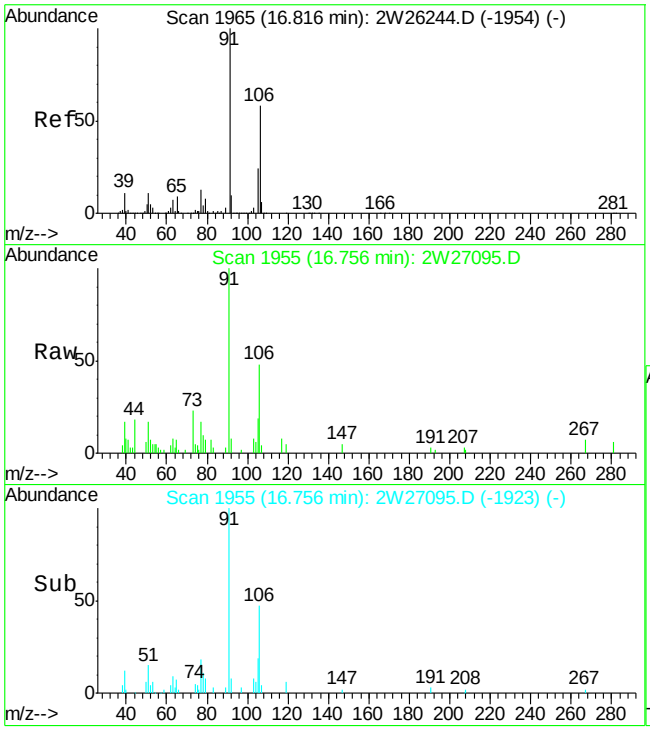


#71
m,p-XYLENE
Concen: 0.35 PPBV
RT: 16.21 min Scan# 1865
Delta R.T. -0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:106 Resp: 25697

Ion	Ratio	Lower	Upper
106	100		
91	212.8	138.6	207.8#
77	35.8	23.5	35.3#

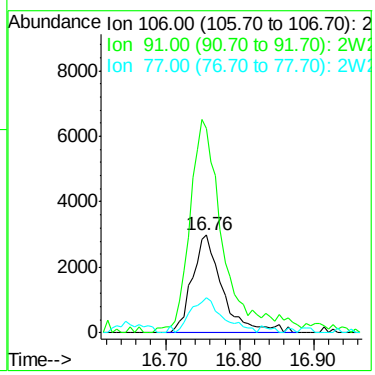


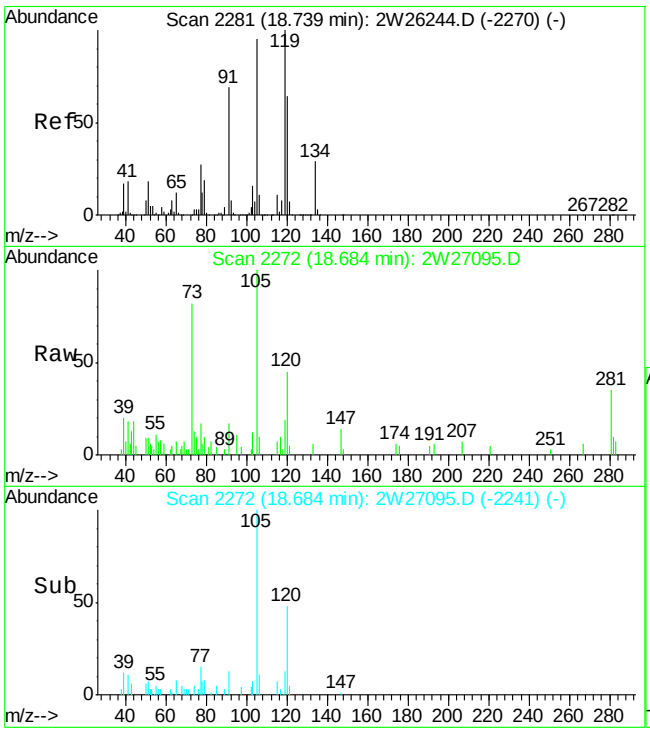


#72
o-XYLENE
Concen: 0.11 PPBV
RT: 16.76 min Scan# 1955
Delta R.T. 0.01 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:106 Resp: 8427

Ion	Ratio	Lower	Upper
106	100		
91	241.9	181.1	221.1#
77	38.2	7.9	47.9

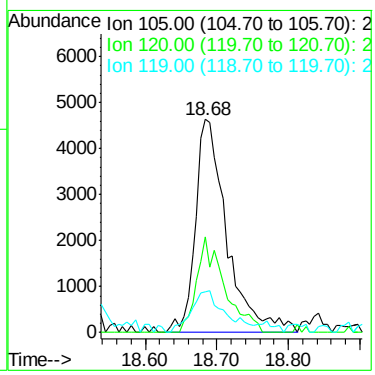




#84
1,2,4-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 18.68 min Scan# 2272
Delta R.T. -0.00 min
Lab File: 2W27095.D
Acq: 4 May 2010 9:40 pm

Tgt Ion:105 Resp: 14101

Ion	Ratio	Lower	Upper
105	100		
120	39.5	41.5	81.5#
119	23.8	102.3	142.3#



ACCUTEST Laboratories JA45062

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/07/10 04:56

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27120.D Vial: 7
Acq On : 5 May 2010 7:51 pm Operator: yunxiac
Sample : ja45065-5dup Inst : MS2W
Misc : MS96137,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:05:57 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

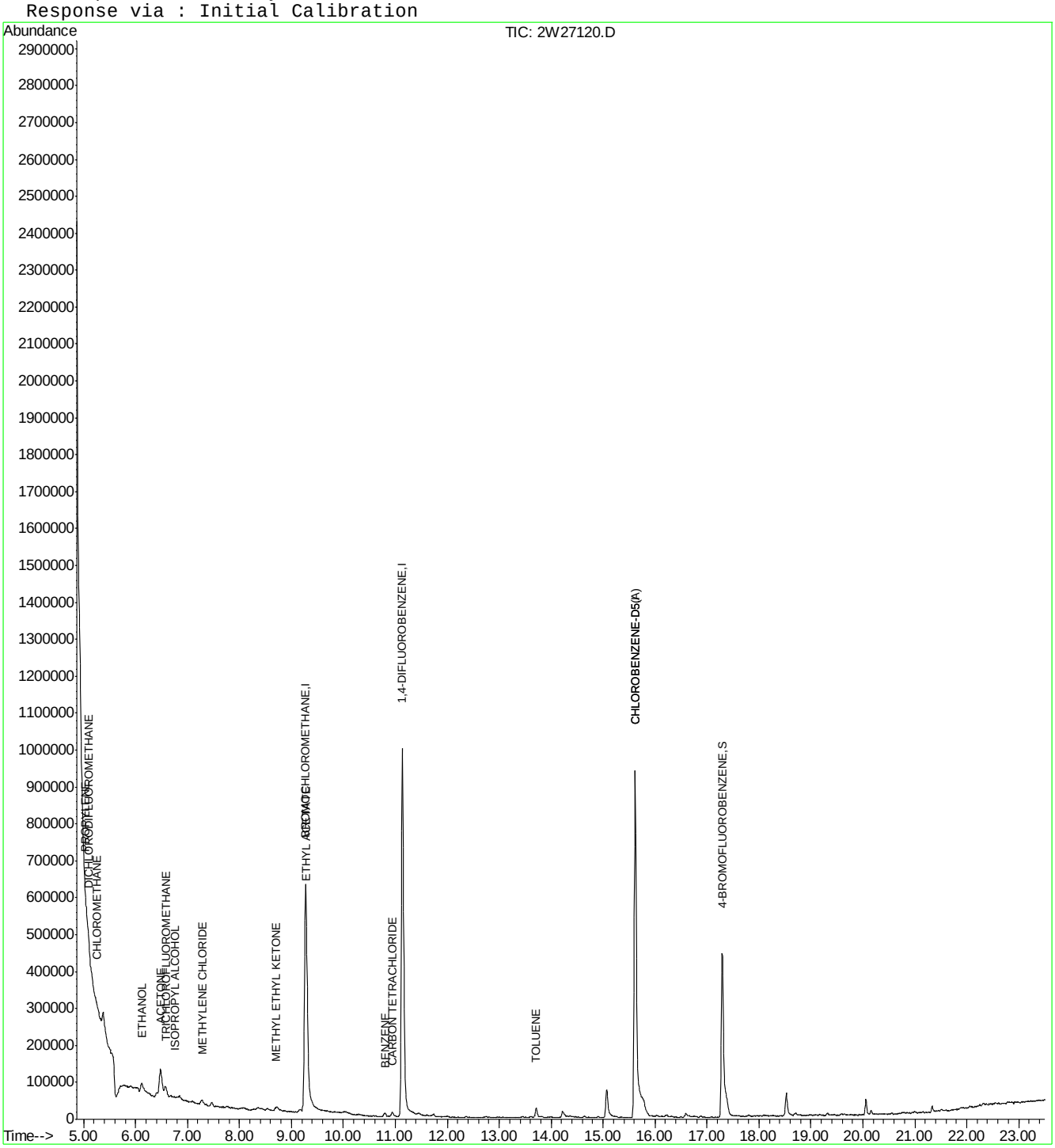
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	239738	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1122394	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	571983	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	571983	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	273470	4.60	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	82360	0.75	PPBV		98
6) PROPYLENE	5.04	41	8927	0.19	PPBV	#	62
9) CHLOROMETHANE	5.26	52	10155	0.56	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.58	101	46904	0.50	PPBV		98
18) ISOPROPYL ALCOHOL	6.75	45	18567m	0.27	PPBV		
19) ACETONE	6.48	58	55003	2.94	PPBV	#	60
25) ETHANOL	6.12	45	31393	1.66	PPBV		96
27) METHYLENE CHLORIDE	7.28	84	8425	0.25	PPBV		89
37) METHYL ETHYL KETONE	8.71	72	4509m	0.26	PPBV		
39) ETHYL ACETATE	9.30	61	20842	1.91	PPBV	#	35
43) CARBON TETRACHLORIDE	10.94	117	10723	0.13	PPBV		99
46) BENZENE	10.80	78	12141	0.10	PPBV		96
59) TOLUENE	13.71	92	14572	0.21	PPBV	#	78

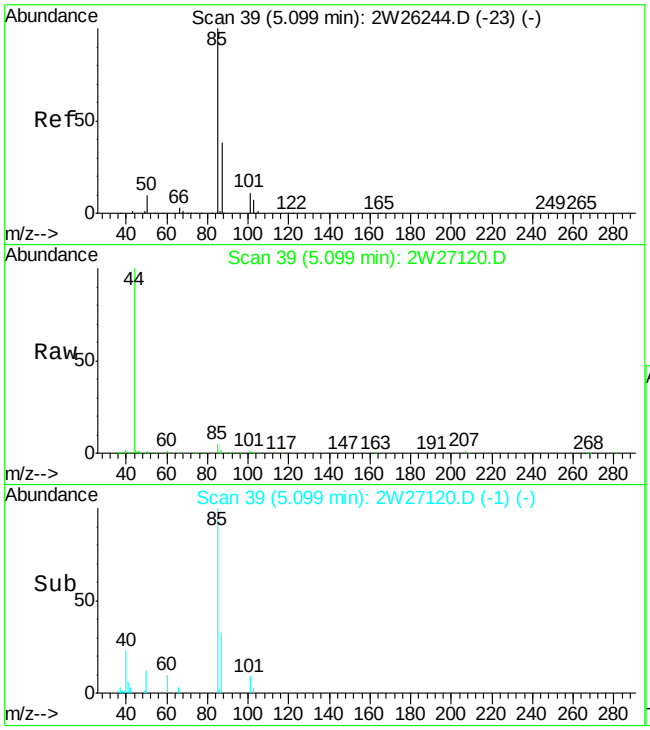
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27120.D Vial: 7
Acq On : 5 May 2010 7:51 pm Operator: yunxiac
Sample : ja45065-5dup Inst : MS2W
Misc : MS96137,V2W1143,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:26 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration

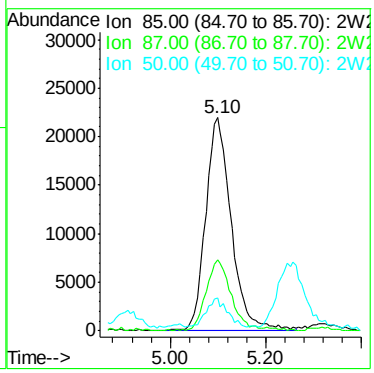


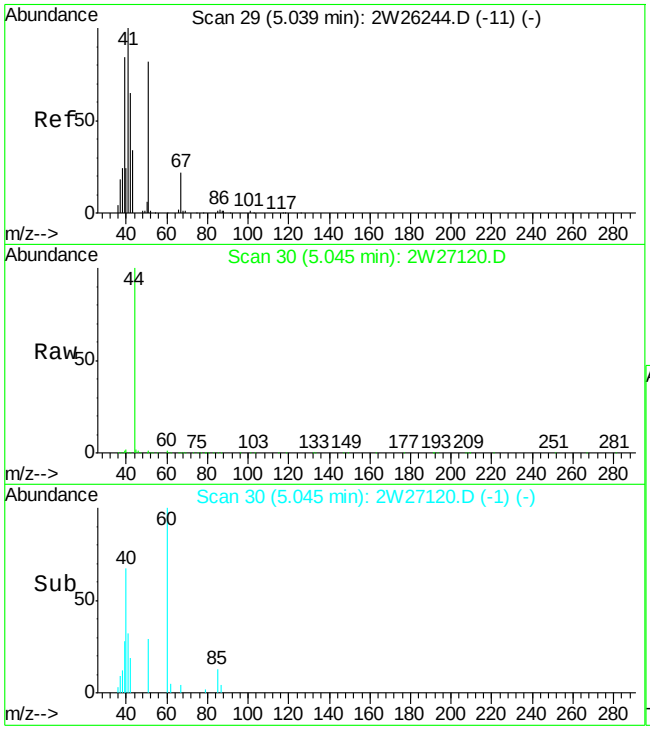


#3
DICHLORODIFLUOROMETHANE
Concen: 0.75 PPBV
RT: 5.10 min Scan# 39
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 85 Resp: 82360

Ion	Ratio	Lower	Upper
85	100		
87	33.1	14.2	54.2
50	10.8	0.0	31.0

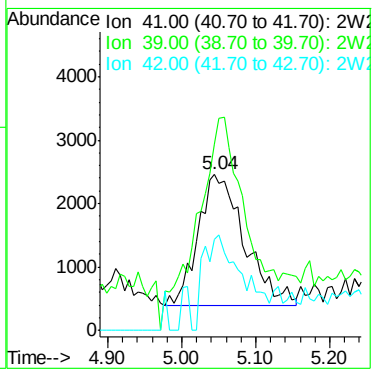


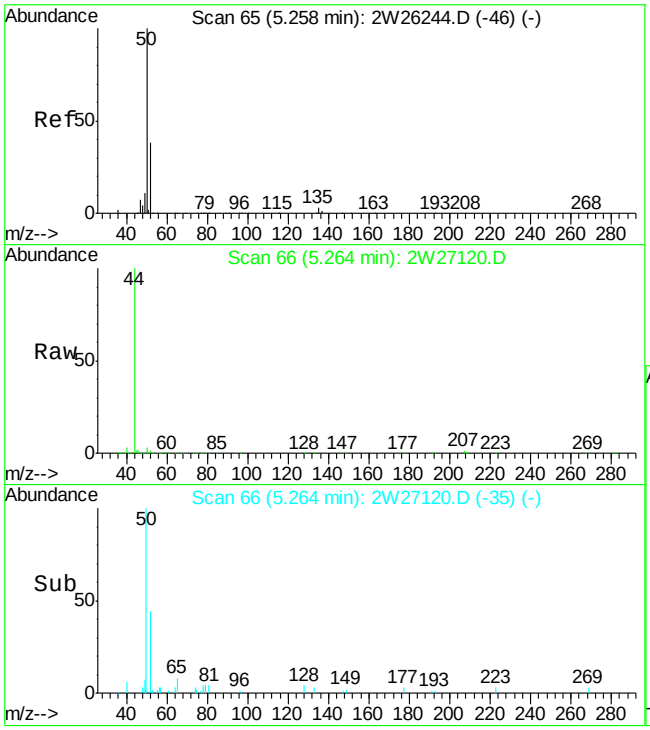


#6
PROPYLENE
Concen: 0.19 PPBV
RT: 5.04 min Scan# 30
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 41 Resp: 8927

Ion	Ratio	Lower	Upper
41	100		
39	119.5	47.9	87.9#
42	58.4	47.3	87.3

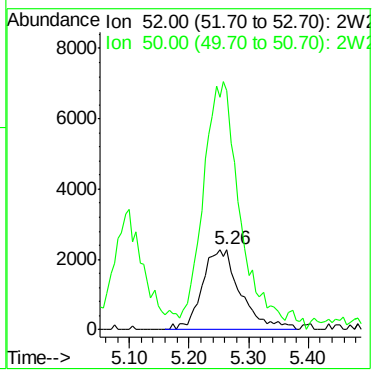


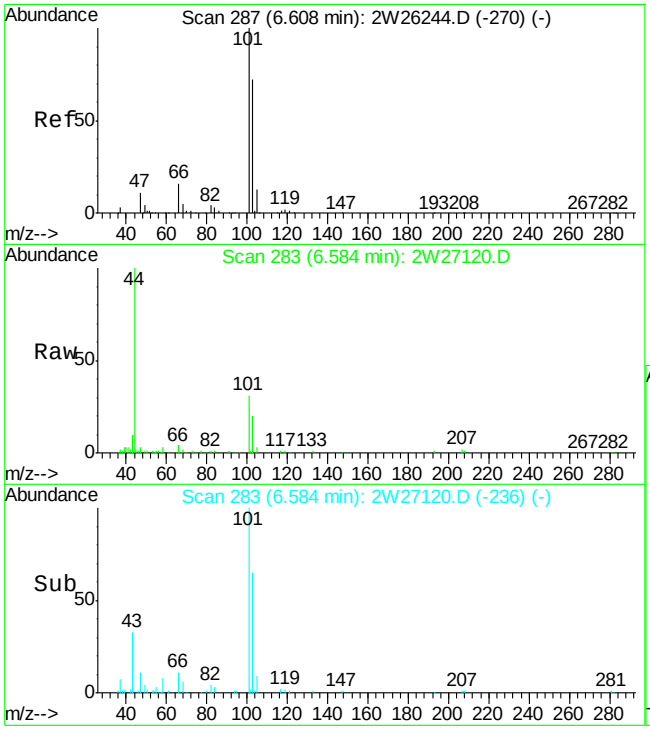


#9
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.26 min Scan# 66
Delta R.T. 0.02 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 52 Resp: 10155

Ion	Ratio	Lower	Upper
52	100		
50	282.0	268.7	308.7

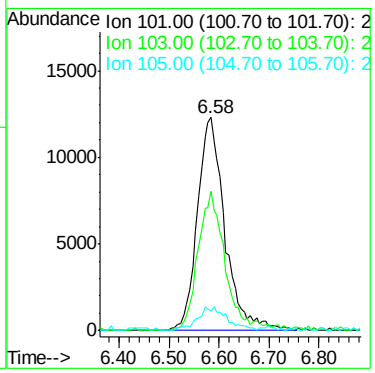


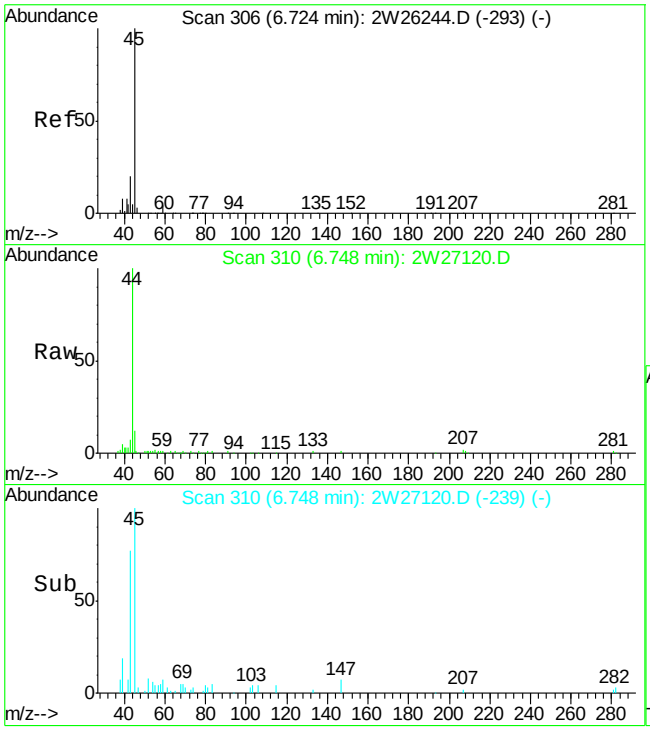


#17
TRICHLOROFLUOROMETHANE
Concen: 0.50 PPBV
RT: 6.58 min Scan# 283
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion:101 Resp: 46904

Ion	Ratio	Lower	Upper
101	100		
103	65.4	46.7	86.7
105	12.1	0.0	31.2

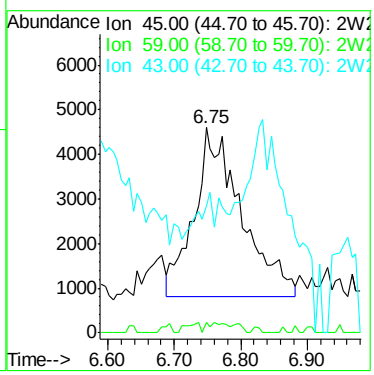


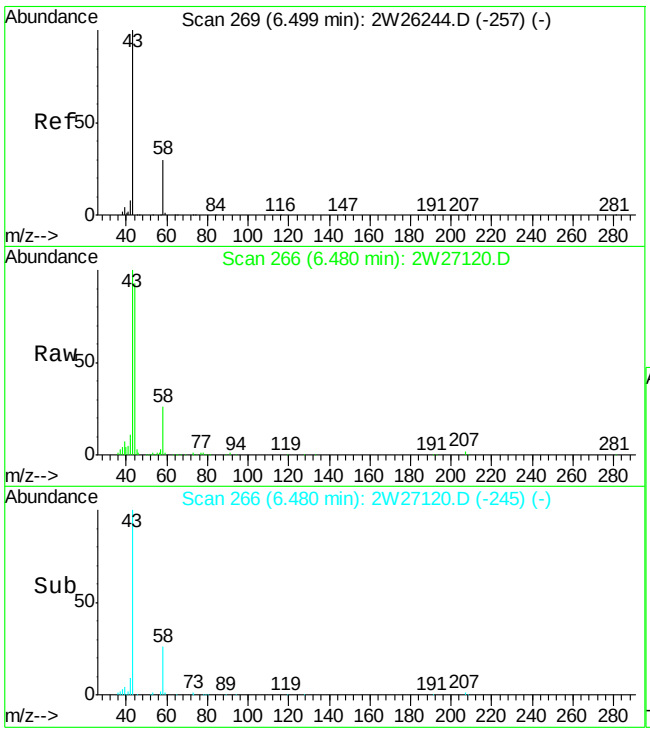


#18
ISOPROPYL ALCOHOL
Concen: 0.27 PPBV m
RT: 6.75 min Scan# 310
Delta R.T. 0.08 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 45 Resp: 18567

Ion	Ratio	Lower	Upper
45	100		
59	5.3	0.0	24.1
43	62.1	0.2	40.2#

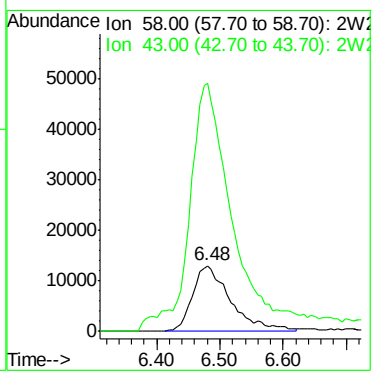


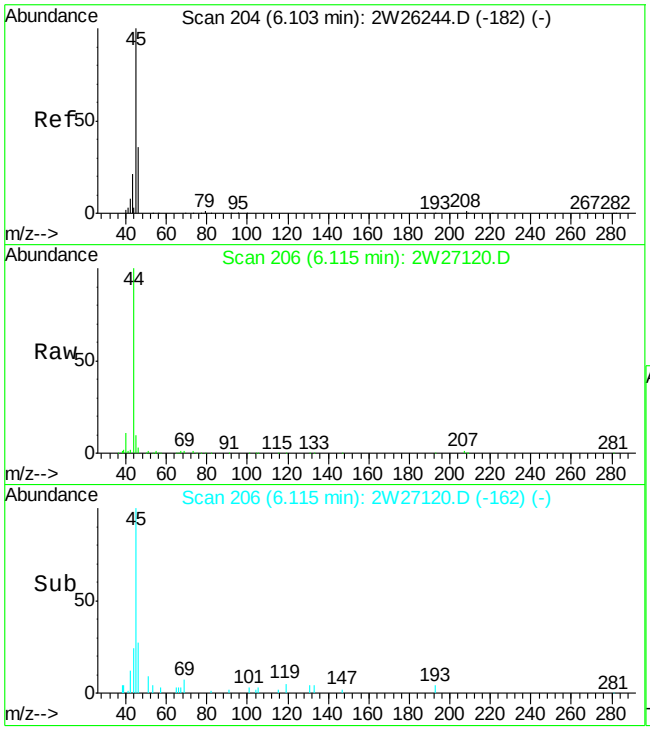


#19
ACETONE
Concen: 2.94 PPBV
RT: 6.48 min Scan# 266
Delta R.T. 0.03 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 58 Resp: 55003

Ion	Ratio	Lower	Upper
58	100		
43	420.0	315.8	355.8#

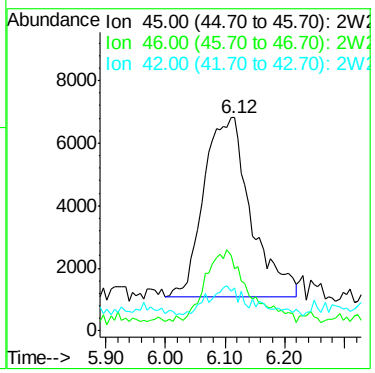


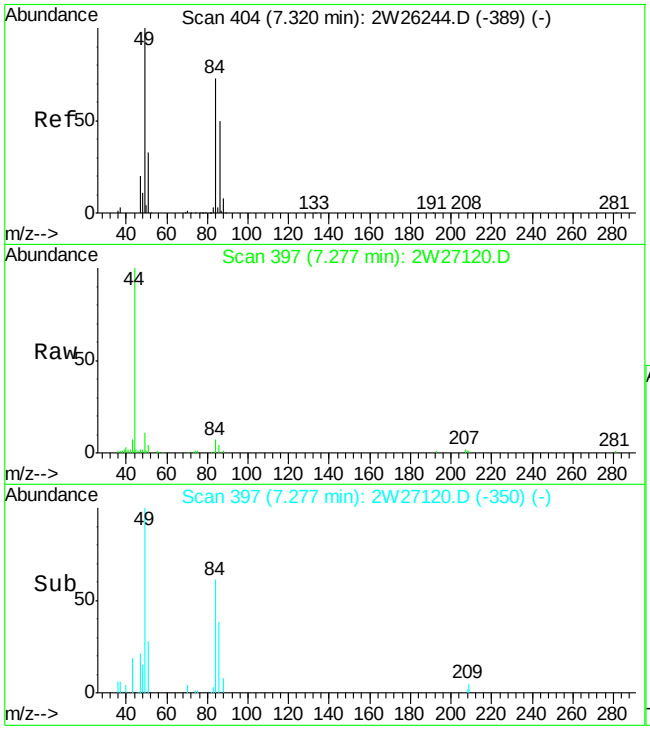


#25
ETHANOL
Concen: 1.66 PPBV
RT: 6.12 min Scan# 206
Delta R.T. 0.07 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 45 Resp: 31393

Ion	Ratio	Lower	Upper
45	100		
46	36.2	9.3	69.3
42	7.5	0.0	37.7

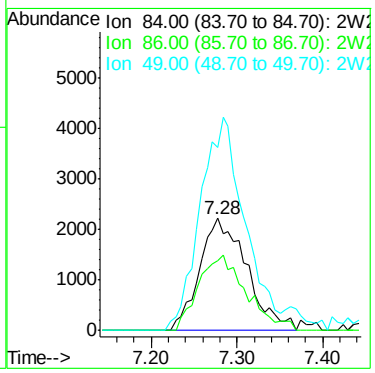


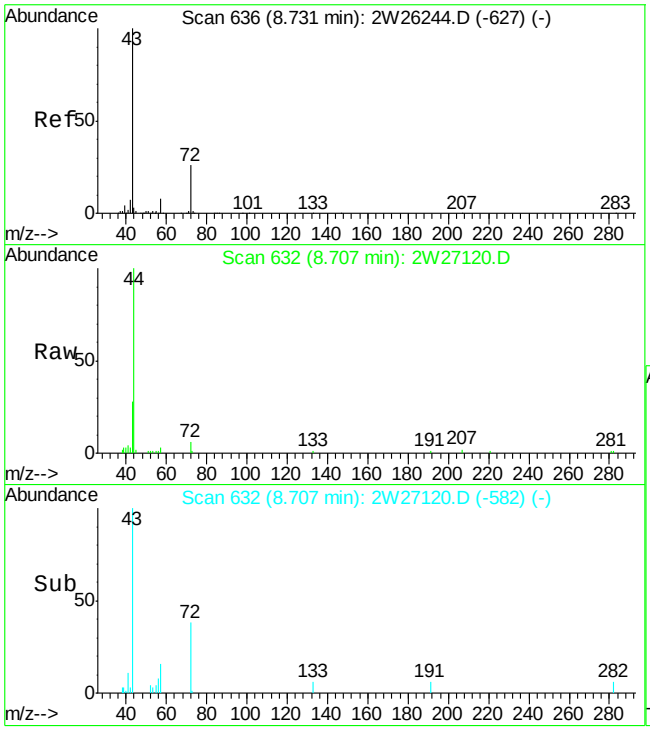


#27
METHYLENE CHLORIDE
Concen: 0.25 PPBV
RT: 7.28 min Scan# 397
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 84 Resp: 8425

Ion	Ratio	Lower	Upper
84	100		
86	68.1	44.9	84.9
49	179.7	0.0	360.7

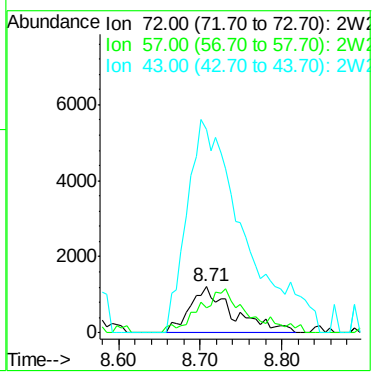


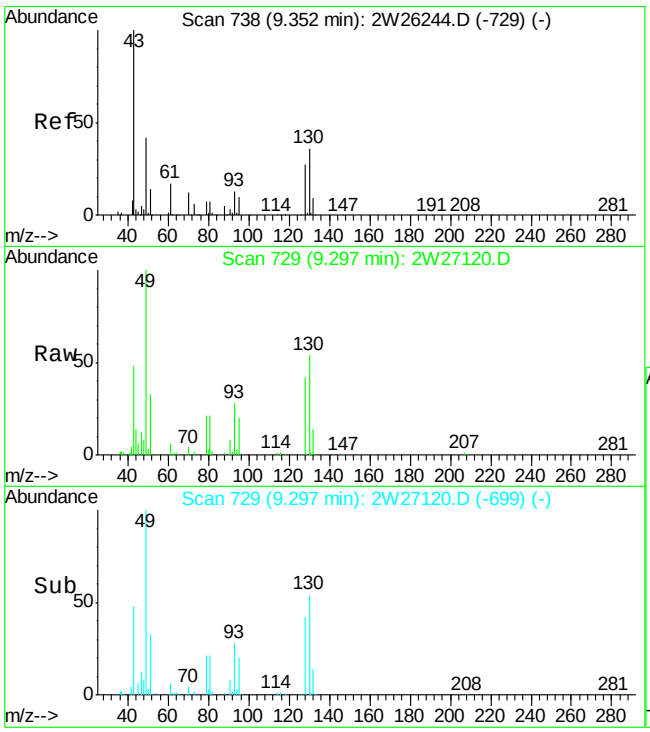


#37
METHYL ETHYL KETONE
Concen: 0.26 PPBV m
RT: 8.71 min Scan# 632
Delta R.T. 0.05 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 72 Resp: 4509

Ion	Ratio	Lower	Upper
72	100		
57	53.5	13.8	53.8
43	434.8	389.3	429.3#

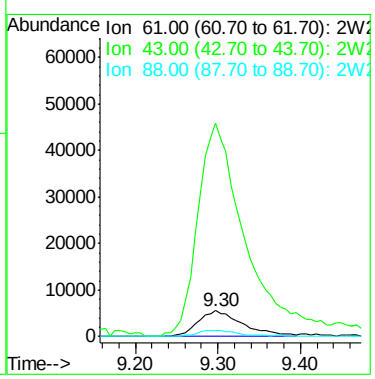


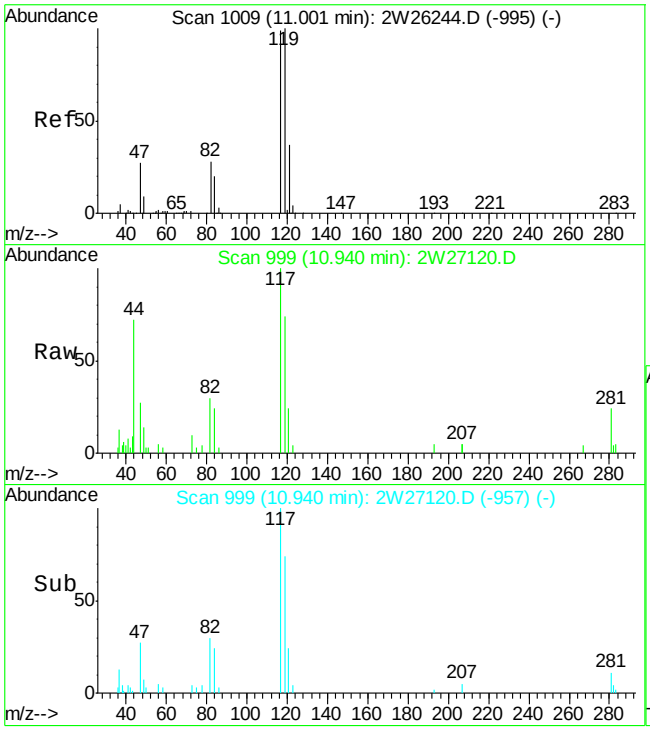


#39
ETHYL ACETATE
Concen: 1.91 PPBV
RT: 9.30 min Scan# 729
Delta R.T. 0.03 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 61 Resp: 20842

Ion	Ratio	Lower	Upper
61	100		
43	842.8	606.5	646.5#
88	23.5	4.8	44.8

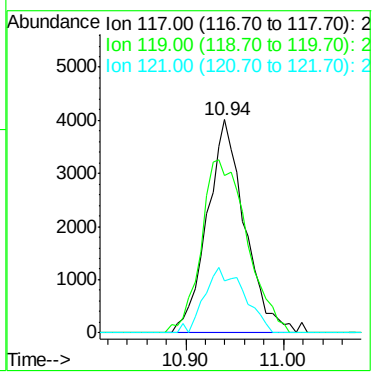


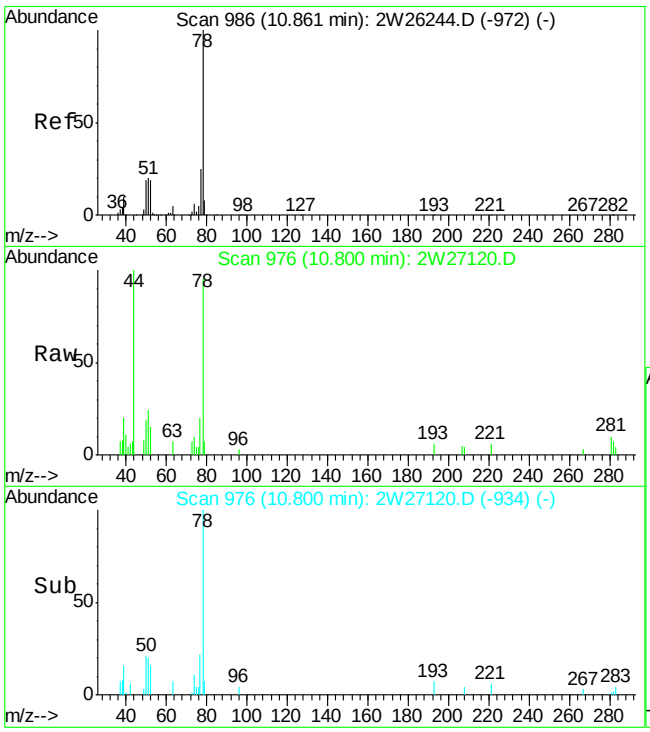


#43
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.94 min Scan# 999
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion:117 Resp: 10723

Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.0	118.0
121	32.4	12.8	52.8

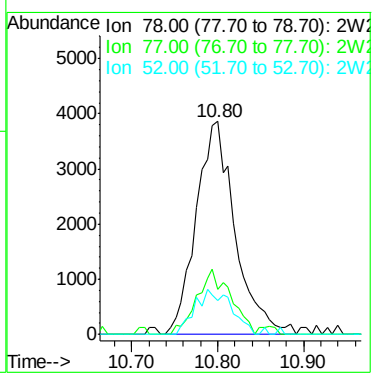


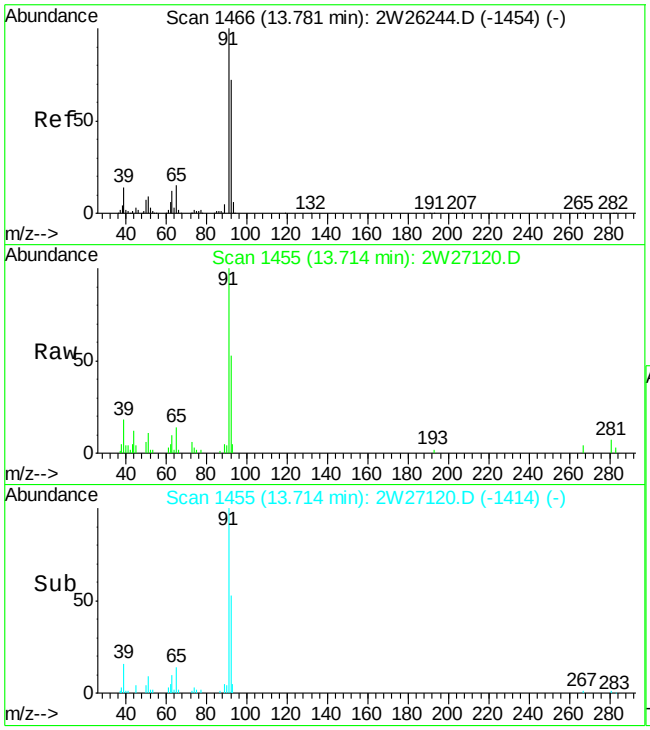


#46
BENZENE
Concen: 0.10 PPBV
RT: 10.80 min Scan# 976
Delta R.T. 0.01 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 78 Resp: 12141

Ion	Ratio	Lower	Upper
78	100		
77	26.9	4.9	44.9
52	19.8	0.0	37.9

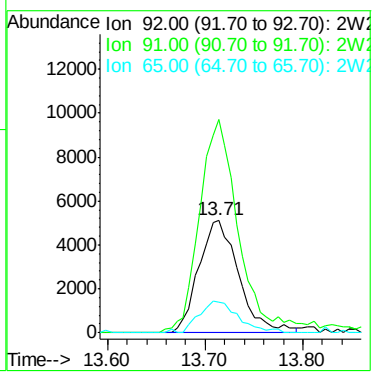




#59
TOLUENE
Concen: 0.21 PPBV
RT: 13.71 min Scan# 1455
Delta R.T. -0.00 min
Lab File: 2W27120.D
Acq: 5 May 2010 7:51 pm

Tgt Ion: 92 Resp: 14572

Ion	Ratio	Lower	Upper
92	100		
91	187.2	136.6	176.6#
65	27.8	0.9	40.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26782A.D Vial: 5
Acq On : 15 Apr 2010 2:41 pm Operator: yunxiac
Sample : scc(A848) Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:25:06 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

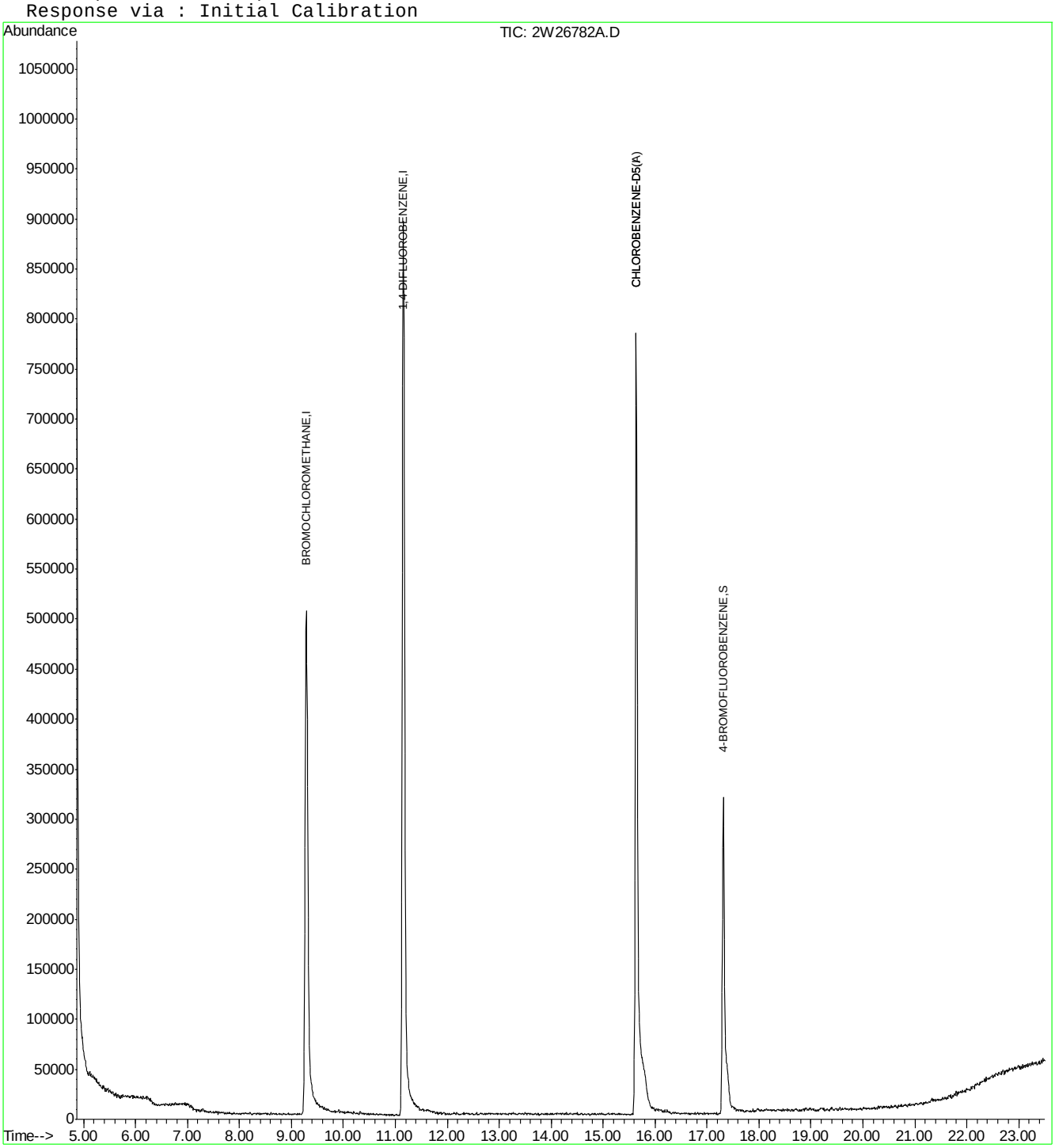
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	299987	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	11.15	114	1223769	10.00	PPBV	-0.02
63) CHLOROBENZENE-D5	15.64	82	467934	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	469208	10.00	PPBV	-0.01
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.31	95	185301	4.15	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26782A.D M2W1118.M Thu Apr 15 15:26:20 2010 MS2W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26782A.D Vial: 5
Acq On : 15 Apr 2010 2:41 pm Operator: yunxiac
Sample : scc(A848) Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:25 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16314A.D Vial: 5
Acq On : 16 Apr 2010 11:33 am Operator: YOUMINH
Sample : scc(a877) Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 08:14:11 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

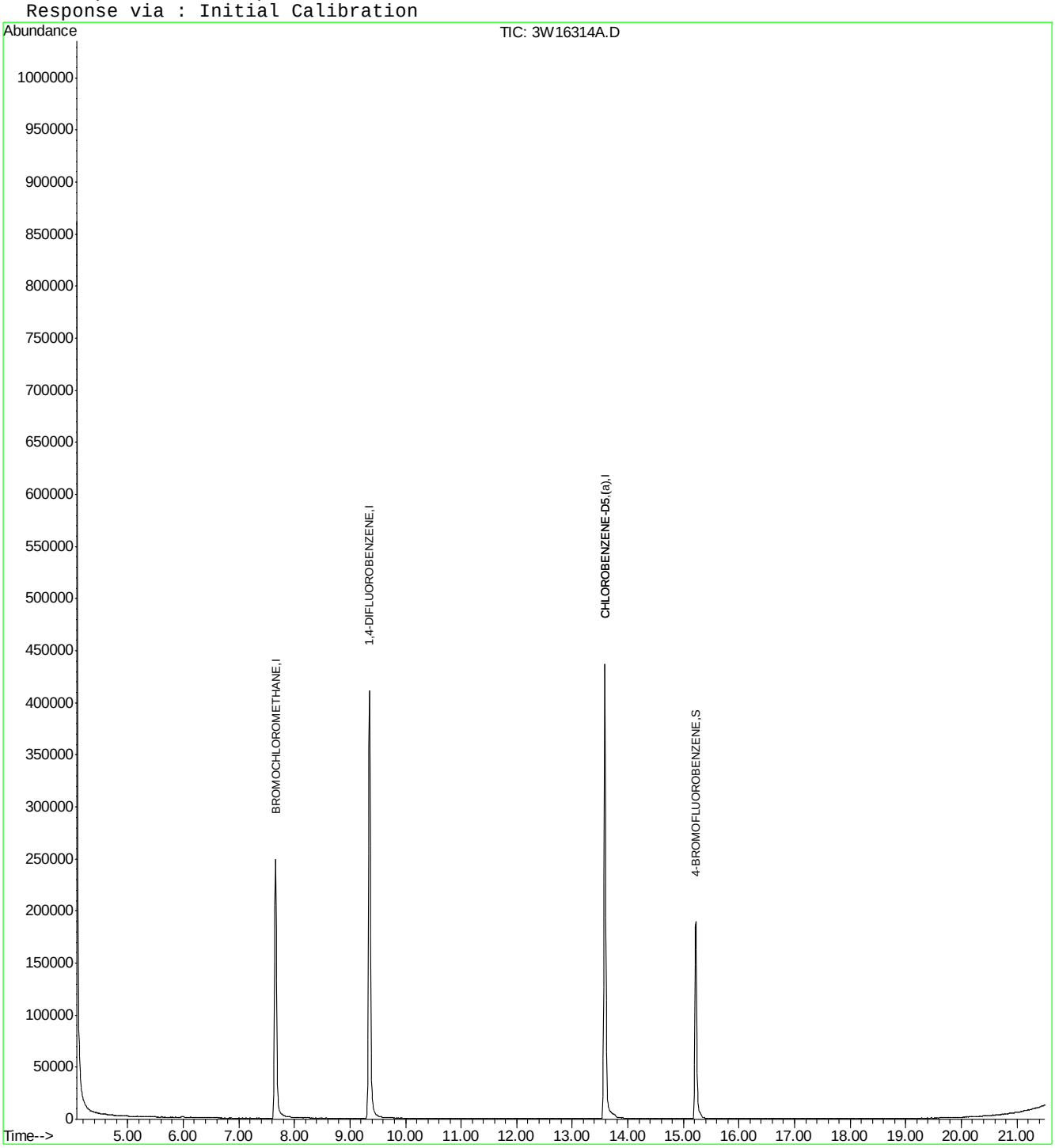
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	99418	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	461301	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	205093	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	205093	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	95127	4.20	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16314A.D M3W644.M Mon Apr 19 15:46:16 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16314A.D Vial: 5
Acq On : 16 Apr 2010 11:33 am Operator: YOUMINH
Sample : scc(a877) Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:45 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16357.D Vial: 5
Acq On : 20 Apr 2010 4:09 am Operator: YOUMINH
Sample : scc(a319) Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:44:39 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

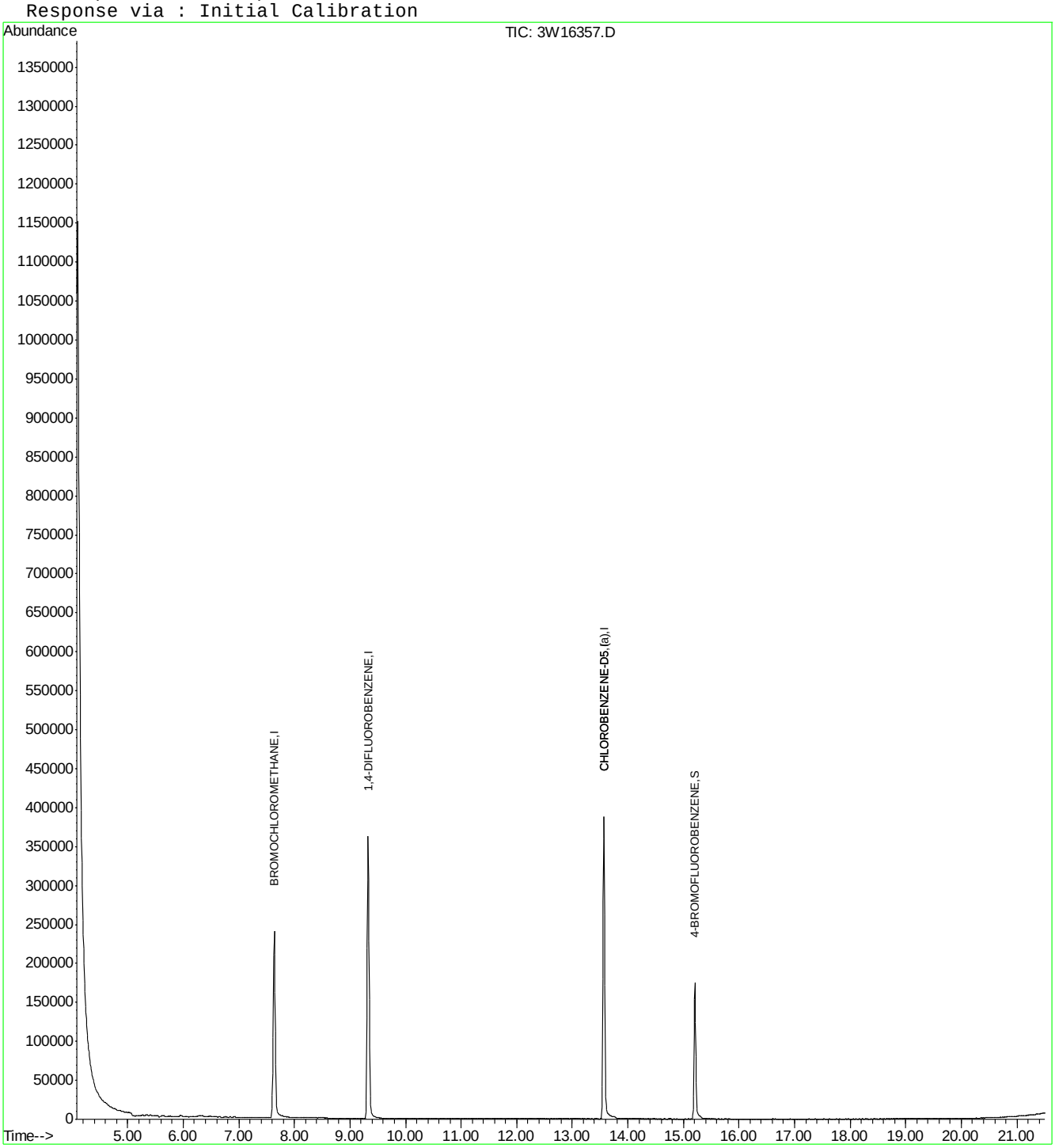
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.63	128	93952	10.00	PPBV	-0.03
45) 1,4-DIFLUOROBENZENE	9.33	114	389819	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.57	82	173584	10.00	PPBV	-0.02
95) CHLOROBENZENE-D5 (a)	13.57	82	174300	10.00	PPBV	-0.02
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	80894	4.22	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16357.D M3W644.M Tue Apr 20 12:03:06 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16357.D Vial: 5
Acq On : 20 Apr 2010 4:09 am Operator: YOUMINH
Sample : scc(a319) Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 12:00 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories
JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1077\W25993A.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : scc(a148) Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:19:40 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

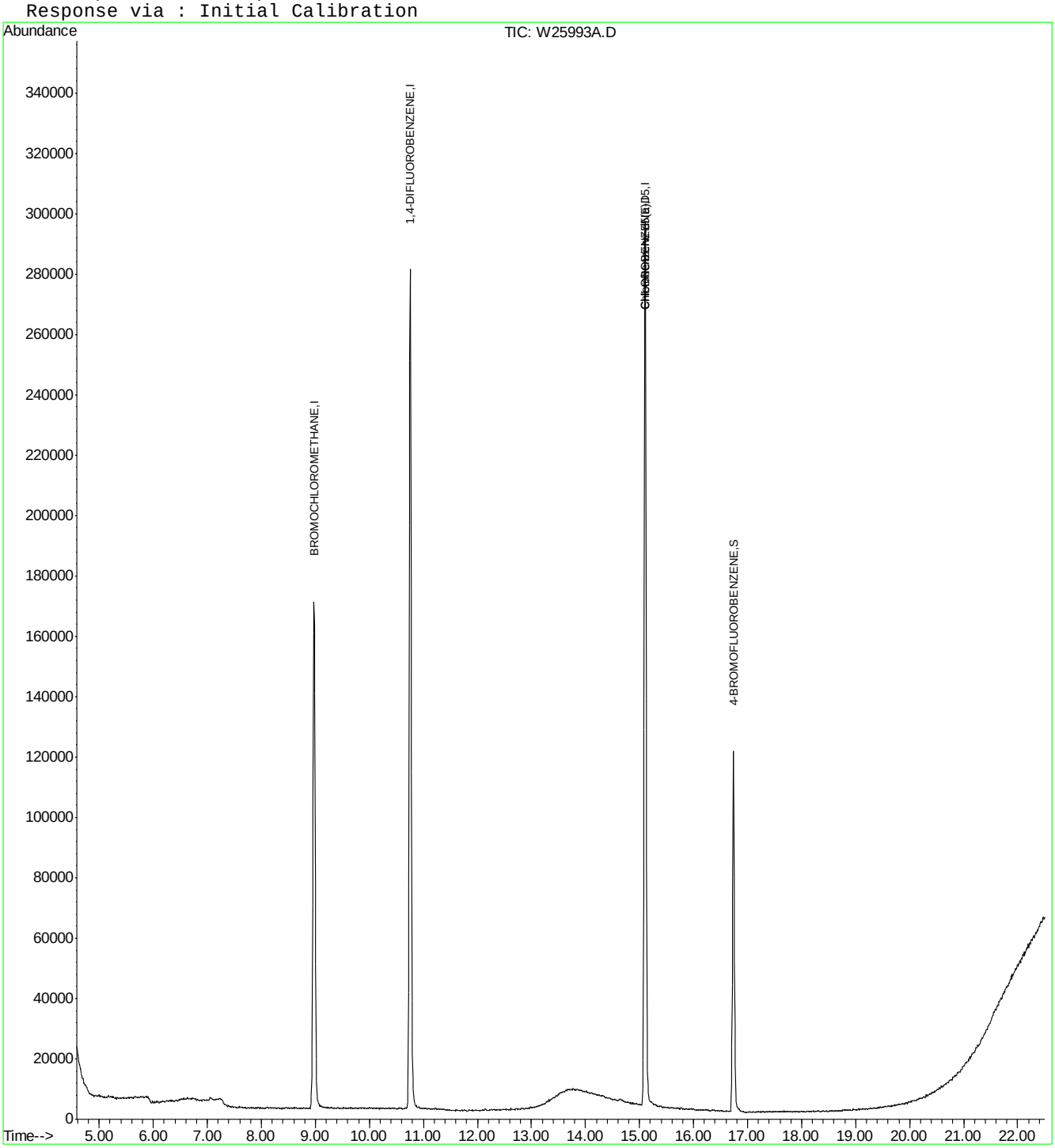
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	64029	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	300143	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	140369	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	140995	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	59142	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25993A.D MW1071.M Thu Apr 22 11:26:53 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1077\W25993A.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : scc(a148) Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



W25993A.D MW1071.M Thu Apr 22 11:26:53 2010 MSW Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020A.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : scc(A368) Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27:28 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

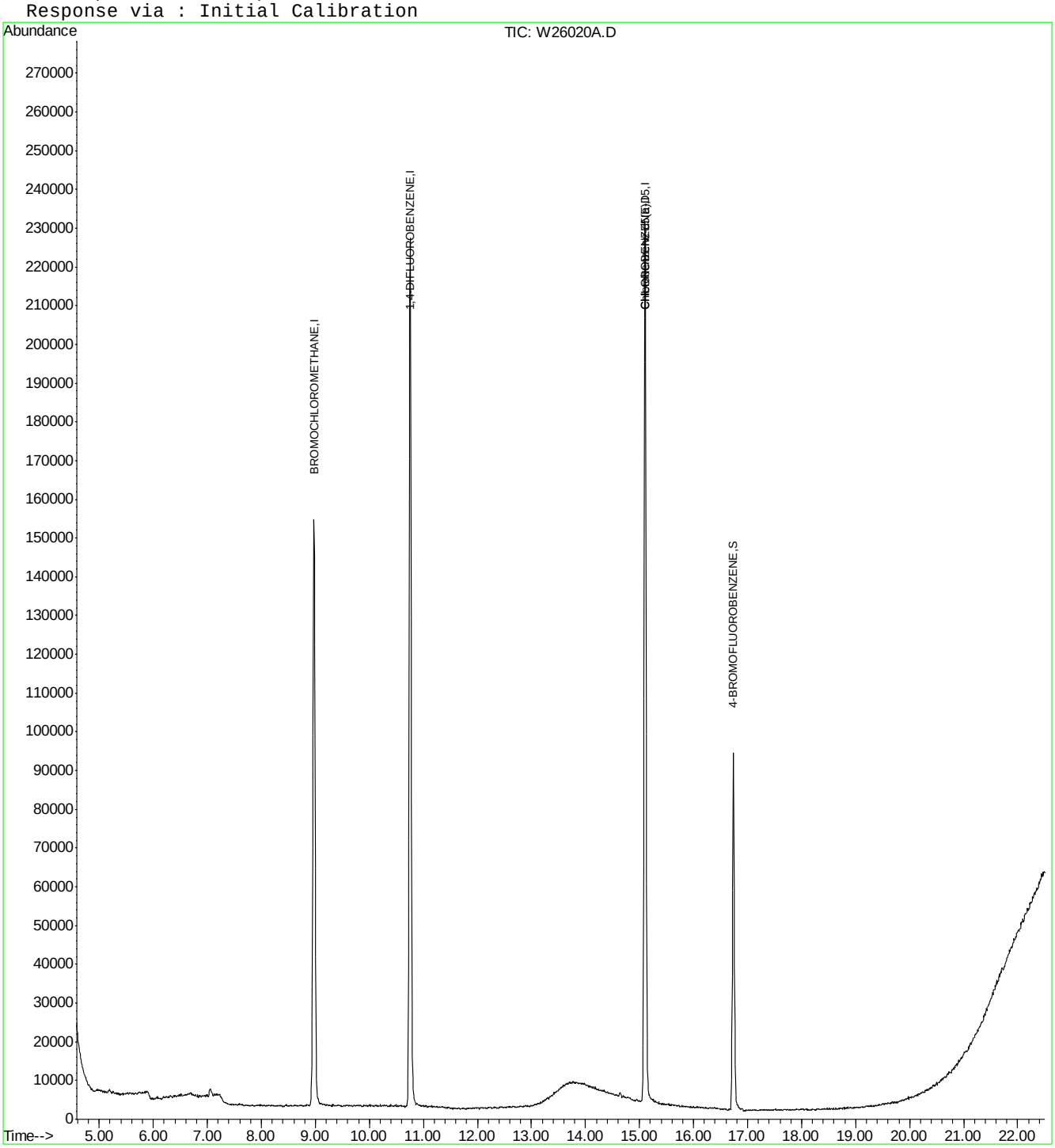
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	57016	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	239297	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	107534	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	108070	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	45267	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26020A.D MW1071.M Thu Apr 22 11:27:46 2010 MSW Page 1

Quantitation Report (QT Reviewed)

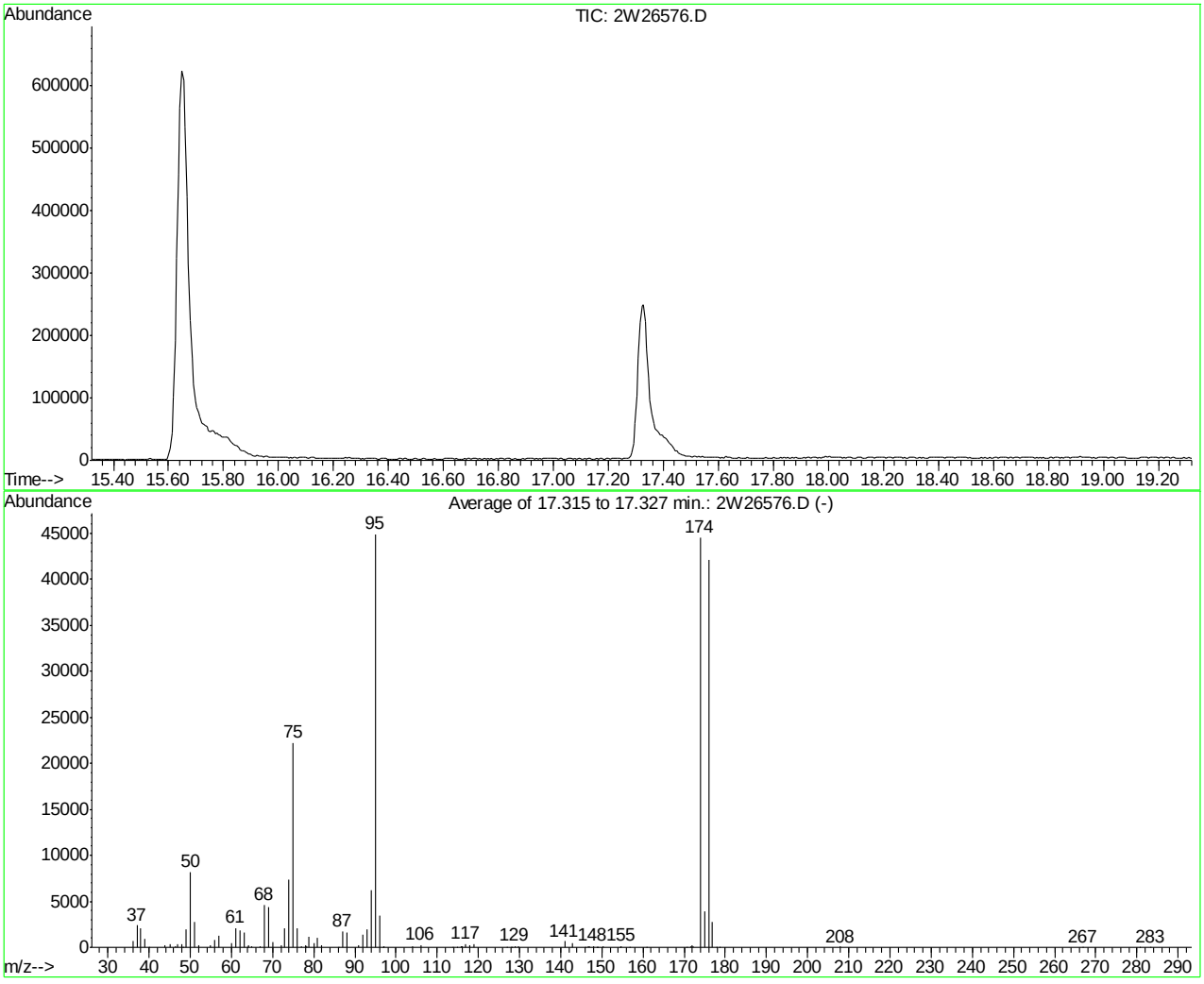
Data File : C:\MSDCHEM\1\DATA\W26020A.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : scc(A368) Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:46 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



BFB

```
Data File : C:\MSDCHEM\1\DATA\2W26576.D                Vial: 5
Acq On    :  5 Apr 2010   9:44 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS94636,V2W1118,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```



AutoFind: Scans 2047, 2048, 2049; Background Corrected with Scan 2037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	8226	PASS
75	95	30	66	49.6	22266	PASS
95	95	100	100	100.0	44928	PASS
96	95	5	9	7.7	3456	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	99.1	44544	PASS
175	174	4	9	8.8	3925	PASS
176	174	93	101	94.4	42069	PASS
177	176	5	9	6.6	2756	PASS

2W26576.D M2W1118.M Wed Apr 07 09:12:21 2010 MS2W

Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	678	49.00	1983	63.80	61	76.05	2050
37.10	2387	50.05	8226	64.10	191	76.90	168
38.05	2132	51.00	2769	65.05	109	77.95	182
39.00	918	52.05	245	67.10	69	78.10	66
39.95	44	54.95	201	68.00	4656	78.30	118
43.95	277	56.00	826	69.00	4404	78.90	1174
45.00	362	57.00	1278	70.00	522	80.00	465
46.40	81	60.05	449	72.00	263	80.90	1090
47.05	341	61.00	2077	73.00	2038	81.95	290
47.95	388	62.00	1808	74.00	7315	86.10	54
48.30	55	63.00	1637	75.00	22266	86.95	1734

Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

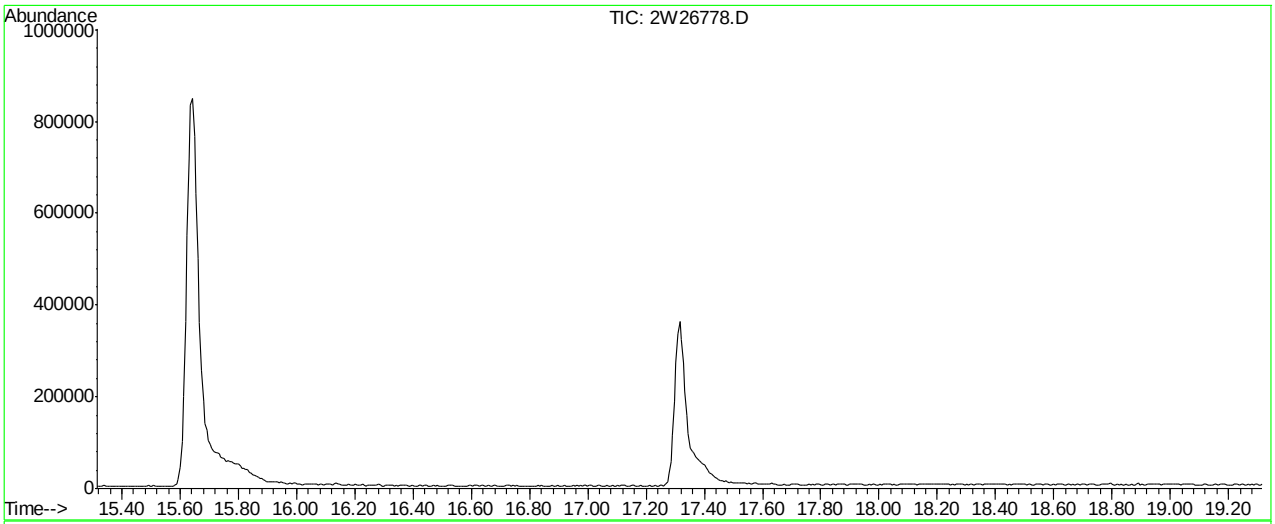
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	1580	113.90	45	129.85	166	154.75	134
90.90	223	114.90	51	140.95	676	156.80	44
92.00	1397	115.90	63	142.90	434	160.90	41
92.95	1933	116.10	123	146.00	44	170.70	54
94.05	6167	117.00	407	146.60	69	171.60	67
95.00	44928	117.85	256	147.00	66	171.85	191
96.05	3456	119.05	339	147.90	119	172.10	71
96.90	60	126.80	48	148.80	40	173.90	44544
97.10	141	127.90	61	149.00	47	175.05	3925
103.90	110	128.10	47	150.30	73	175.90	42069
105.95	250	128.90	177	154.40	52	176.90	2756

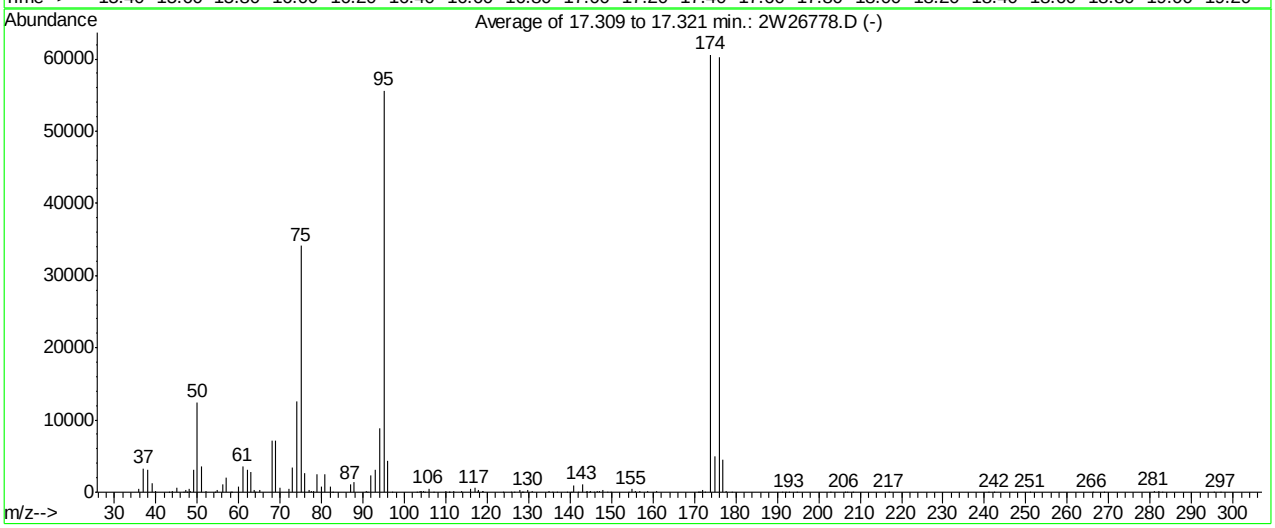
Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.80	43						
178.70	50						
208.00	62						
266.90	43						
280.70	40						
283.30	45						

BFB

```
Data File : C:\MSDCHEM\1\DATA\2W26778.D                Vial: 5
Acq On    : 15 Apr 2010  10:18 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS95159,V2W1126,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2046, 2047, 2048; Background Corrected with Scan 2036

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.3	12421	PASS
75	95	30	66	61.3	34106	PASS
95	95	100	100	100.0	55624	PASS
96	95	5	9	7.8	4322	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	109.0	60613	PASS
175	174	4	9	8.3	5026	PASS
176	174	93	101	99.4	60256	PASS
177	176	5	9	7.6	4558	PASS

2W26778.D M2W1118.M Thu Apr 15 15:21:58 2010 MS2W

Average of 17.309 to 17.321 min.: 2W26778.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	486	47.95	451	58.40	51	72.00	466
37.05	3340	48.30	129	60.05	717	73.00	3397
38.00	3169	49.00	3052	61.00	3622	74.00	12625
39.05	1211	50.00	12421	62.00	3097	75.00	34106
39.85	117	51.00	3562	63.00	2810	75.90	2656
43.10	54	52.05	123	63.80	319	76.95	313
43.90	183	54.20	57	64.10	67	77.60	130
45.00	606	54.90	341	65.05	315	78.20	177
46.60	62	56.05	1021	68.00	7159	78.90	2555
47.15	351	57.00	1976	69.00	7177	79.90	796
47.60	54	58.10	47	69.90	636	80.90	2528

Average of 17.309 to 17.321 min.: 2W26778.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	752	96.90	40	111.80	106	127.75	278
82.70	73	103.00	75	113.90	111	128.40	45
87.00	1102	103.80	156	115.90	434	128.60	50
87.90	1351	104.00	88	116.90	565	129.80	308
90.70	126	104.70	125	117.70	41	130.95	225
91.00	83	104.90	56	117.95	288	134.90	224
91.95	2260	105.85	470	118.80	118	135.80	42
92.95	3159	107.00	70	118.90	89	136.90	45
94.05	8877	109.90	116	123.90	81	139.20	45
95.00	55624	110.70	44	125.70	47	140.20	40
96.00	4322	110.90	46	126.60	46	140.85	944

Average of 17.309 to 17.321 min.: 2W26778.D
bfb
Modified:subtracted

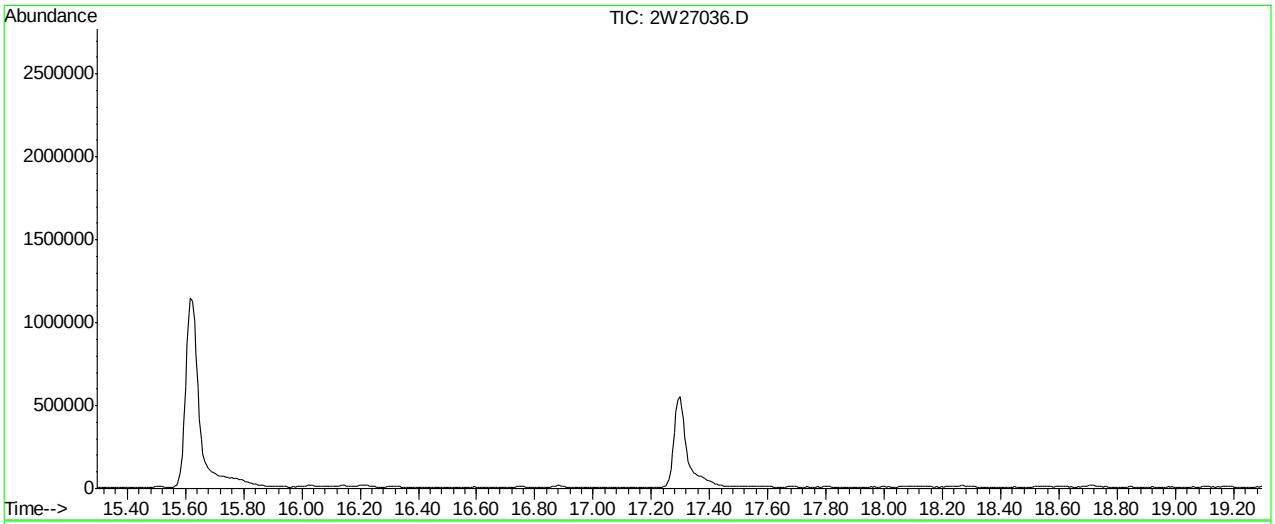
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.90	51	149.90	45	172.40	71	202.90	42
142.90	1100	154.00	46	173.90	60613	206.20	55
143.70	40	154.90	427	174.95	5026	206.85	25
144.20	105	155.65	109	175.90	60256	208.20	44
144.70	62	156.90	178	176.90	4558	217.00	44
144.95	124	158.80	109	177.75	102	241.00	40
145.80	64	160.80	146	179.00	47	242.40	44
146.60	120	170.90	56	191.20	42	251.00	53
147.05	163	171.20	42	192.10	46	266.10	81
147.85	336	171.40	42	192.90	81	268.90	41
148.90	42	171.90	367	194.70	51	280.90	231

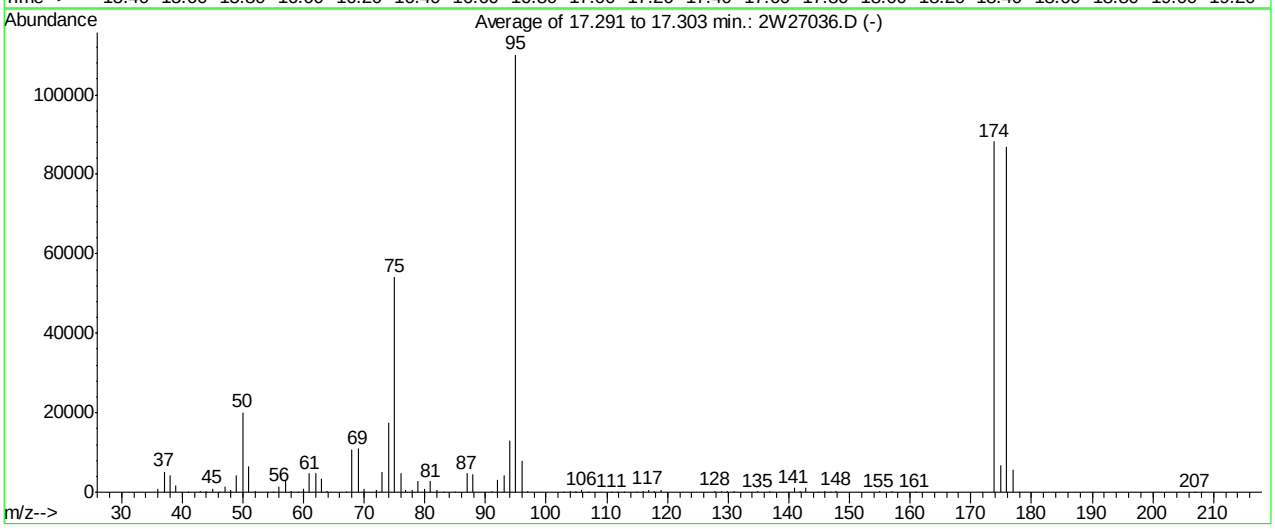
Average of 17.309 to 17.321 min.: 2W26778.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
282.00	99						
282.90	50						
295.40	44						
297.00	48						

BFB

Data File : C:\MSDCHEM\1\DATA\2W27036.D Vial: 5
Acq On : 30 Apr 2010 5:05 pm Operator: yunxiac
Sample : BFB Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 2043, 2044, 2045; Background Corrected with Scan 2029

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	20090	PASS
75	95	30	66	49.2	54157	PASS
95	95	100	100	100.0	110173	PASS
96	95	5	9	7.2	7884	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.1	88269	PASS
175	174	4	9	7.7	6824	PASS
176	174	93	101	98.6	87034	PASS
177	176	5	9	6.5	5685	PASS

2W27036.D M2W1138.M Mon May 03 11:24:57 2010 MS2W

Average of 17.291 to 17.303 min.: 2W27036.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	992	49.00	4331	61.00	4727	75.00	54157
37.00	5087	50.00	20090	62.00	4725	76.00	4889
38.00	4350	51.00	6392	63.00	3302	76.90	642
39.00	1650	52.05	343	63.95	358	77.95	547
41.00	19	54.00	32	67.00	148	78.90	2702
43.00	156	55.00	110	68.00	10686	79.90	884
44.00	158	56.00	1495	69.00	10990	80.90	2732
44.95	899	57.00	2928	70.00	865	81.90	558
46.10	48	57.95	189	71.95	560	83.05	81
47.00	1524	59.10	48	73.00	4953	84.90	50
48.00	615	59.95	991	74.00	17477	86.95	4797

Average of 17.291 to 17.303 min.: 2W27036.D
BFB
Modified:subtracted

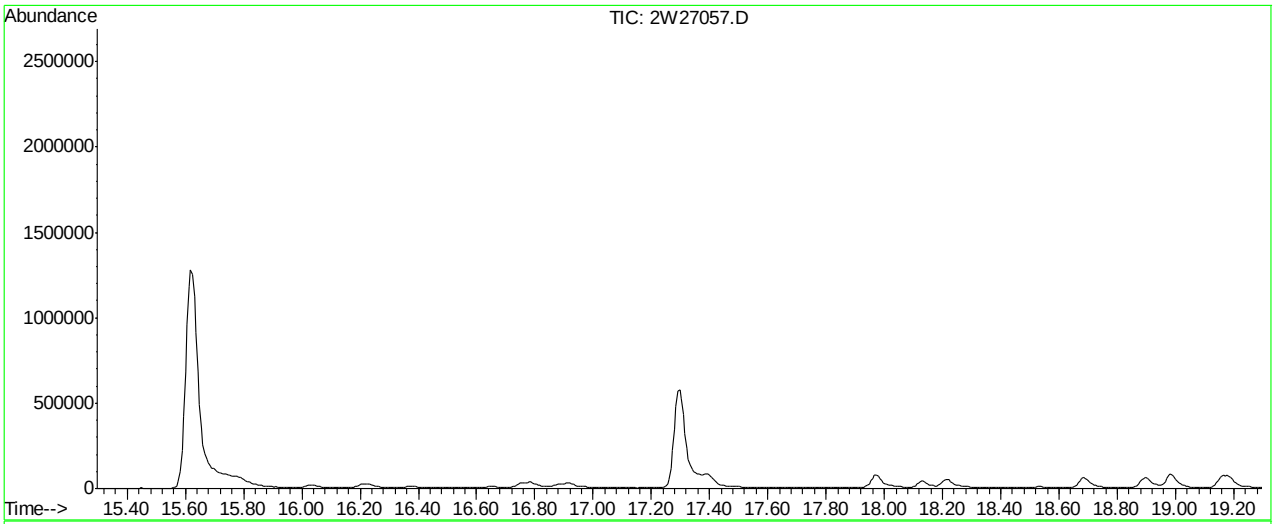
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	4491	104.95	134	127.85	407	145.85	192
90.95	361	105.90	469	128.85	175	146.80	42
91.95	3005	106.90	45	129.85	403	147.85	317
93.00	4365	110.90	40	130.90	192	154.90	266
94.00	12977	111.80	40	134.90	237	156.95	177
95.00	110173	112.80	44	136.85	199	160.85	117
96.00	7884	114.85	147	139.80	47	171.80	40
96.95	309	115.90	364	140.90	1057	173.90	88269
102.90	43	116.90	648	141.95	173	174.90	6824
103.95	433	117.85	377	142.85	1006	175.90	87034
104.80	48	118.90	575	144.90	48	176.90	5685

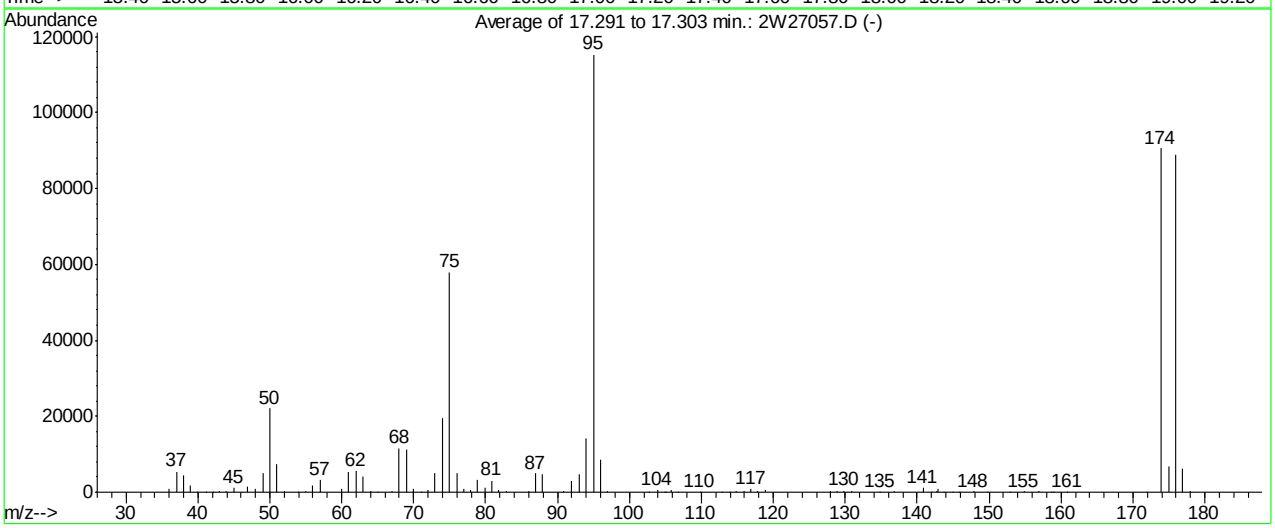
Average of 17.291 to 17.303 min.: 2W27036.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.95	144						
206.95	70						
208.00	40						

BFB

```
Data File : C:\MSDCHEM\1\DATA\2W27057.D                Vial: 5
Acq On    :  3 May 2010   8:32 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS96137,V2W1140,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2043, 2044, 2045; Background Corrected with Scan 2031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	22149	PASS
75	95	30	66	50.2	57888	PASS
95	95	100	100	100.0	115312	PASS
96	95	5	9	7.4	8496	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.5	90530	PASS
175	174	4	9	7.6	6871	PASS
176	174	93	101	98.2	88933	PASS
177	176	5	9	7.1	6276	PASS

2W27057.D M2W1138.M Tue May 04 09:13:10 2010 MS2W

Average of 17.291 to 17.303 min.: 2W27057.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1018	47.95	850	61.95	5545	74.00	19400
37.00	5360	49.00	4906	63.00	4207	75.00	57888
37.95	4492	50.00	22149	63.95	398	76.00	4966
38.95	1804	51.00	7249	65.00	139	76.90	824
39.90	24	52.05	255	67.00	414	77.95	547
41.10	59	53.85	103	67.95	11595	78.85	3119
42.00	93	54.95	395	68.95	11369	79.85	1256
42.95	216	55.95	1807	70.00	1034	80.85	3048
43.90	262	56.95	3208	71.00	40	81.85	592
44.95	1060	59.95	1020	71.95	698	82.95	169
46.95	1425	60.95	5208	72.95	5080	85.95	194

Average of 17.291 to 17.303 min.: 2W27057.D
bfb
Modified:subtracted

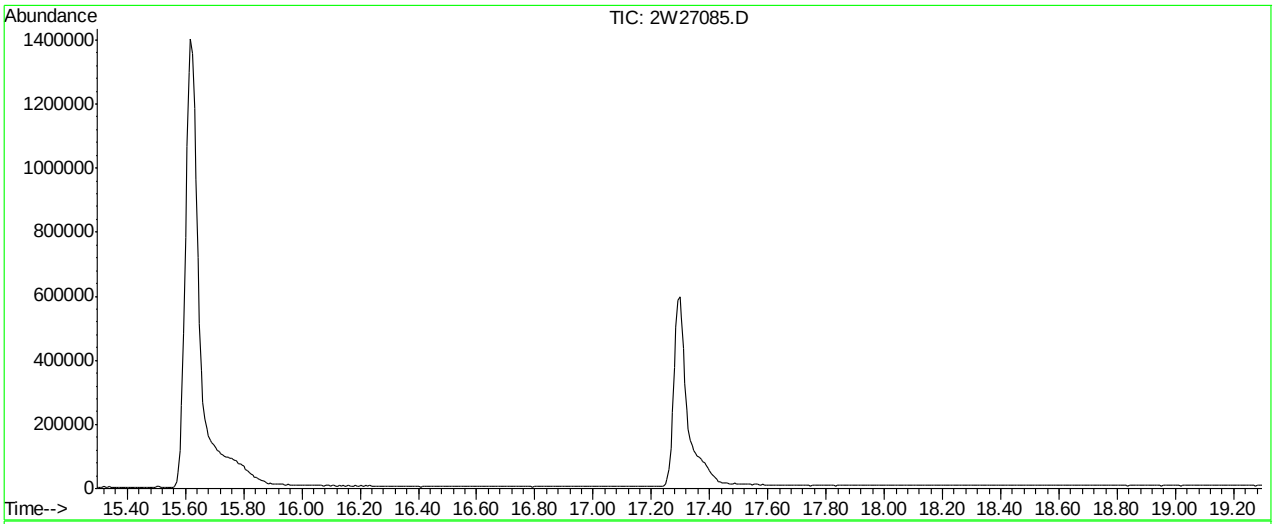
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.90	4995	104.80	110	118.85	475	143.70	44
87.90	4715	105.00	59	127.90	410	144.95	98
90.90	440	105.85	476	128.85	210	145.80	113
91.95	3039	106.80	48	129.85	421	147.85	234
93.00	4607	109.80	96	130.85	183	149.80	74
94.00	14160	112.85	98	134.80	56	152.90	44
95.00	115312	113.95	105	136.85	221	154.90	240
96.00	8496	114.85	186	140.85	1090	156.85	227
96.95	329	115.90	405	142.00	40	158.60	41
102.70	41	116.90	798	142.70	352	158.90	113
103.90	558	117.85	279	142.85	803	160.85	121

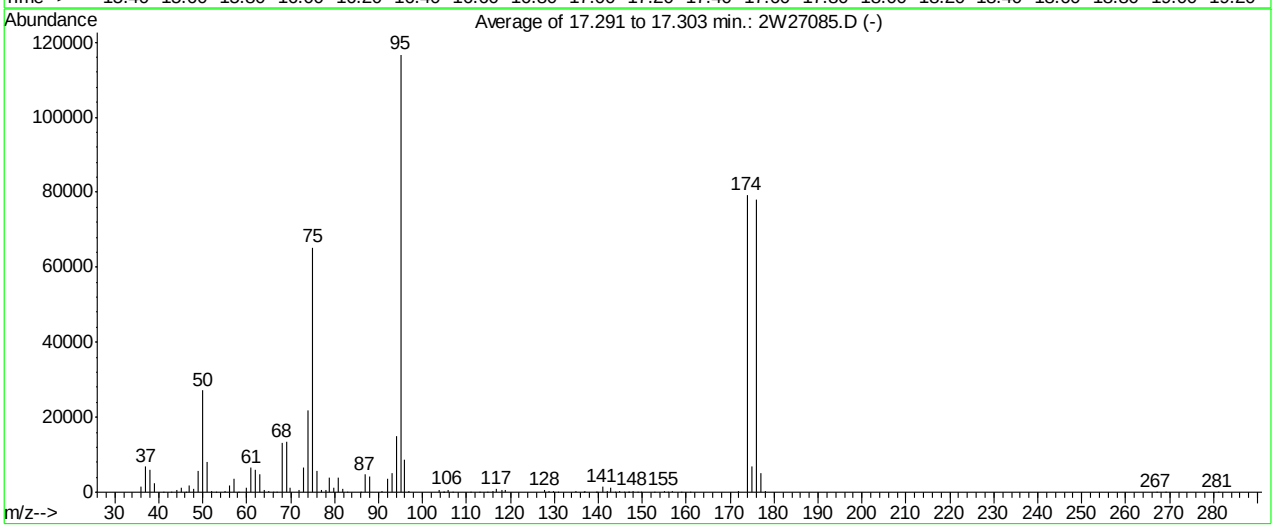
Average of 17.291 to 17.303 min.: 2W27057.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	146						
173.90	90530						
174.95	6871						
175.90	88933						
176.90	6276						
177.95	222						

BFB

```
Data File : C:\MSDCHEM\1\DATA\2W27085.D                Vial: 5
Acq On    :  4 May 2010   8:22 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS96138,V2W1141,400,,,,1               Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2043, 2044, 2045; Background Corrected with Scan 2031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	27122	PASS
75	95	30	66	55.9	65245	PASS
95	95	100	100	100.0	116752	PASS
96	95	5	9	7.4	8625	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.0	79344	PASS
175	174	4	9	8.6	6827	PASS
176	174	93	101	98.4	78098	PASS
177	176	5	9	6.5	5113	PASS

2W27085.D M2W1138.M Tue May 04 12:24:46 2010 MS2W

Average of 17.291 to 17.303 min.: 2W27085.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1366	49.00	5707	62.00	5971	73.95	21826
37.00	6797	50.00	27122	63.00	4934	75.00	65245
38.00	6083	51.00	8035	64.00	540	76.00	5770
39.00	2365	51.90	350	64.90	256	76.90	748
41.00	24	53.10	40	66.00	44	77.95	507
42.80	68	54.95	280	66.90	134	78.85	3796
44.00	588	56.00	1914	68.00	13197	79.90	1333
45.00	1327	57.00	3599	69.00	13401	80.90	3885
46.10	73	58.05	153	69.95	1227	81.90	1045
47.00	1719	60.00	1148	71.95	731	82.95	101
47.95	815	61.00	6449	73.00	6505	85.90	117

Average of 17.291 to 17.303 min.: 2W27085.D
bfb
Modified:subtracted

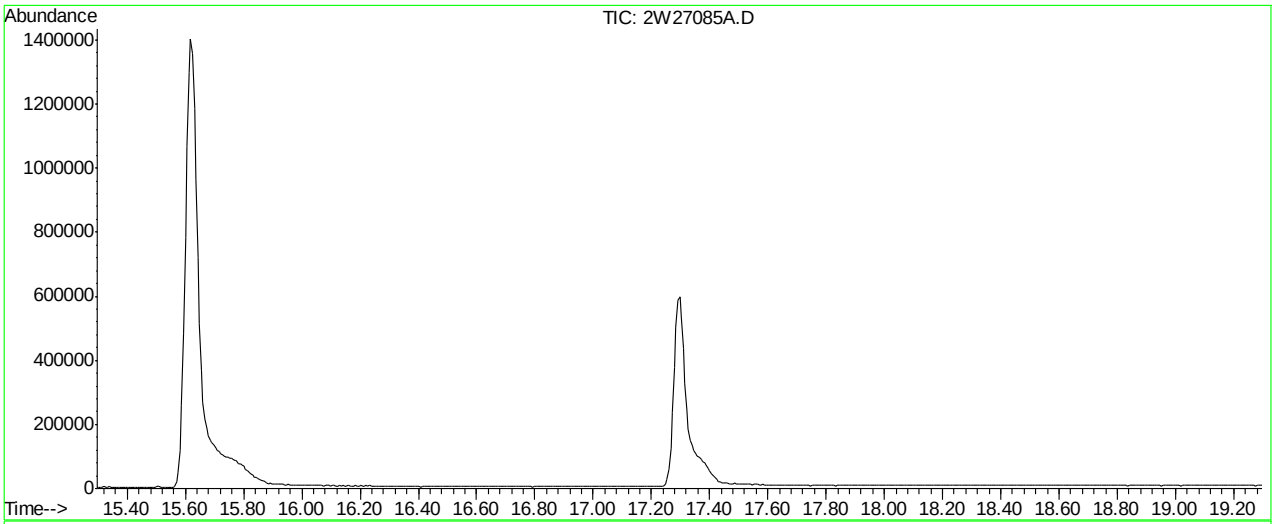
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.90	4699	104.85	135	128.85	220	143.90	45
87.90	4067	105.80	618	129.85	407	144.90	176
90.90	425	106.85	99	130.85	132	145.90	136
91.95	3476	110.80	86	134.90	187	146.80	83
92.95	5141	112.90	58	136.70	65	147.00	2
94.00	14815	114.75	101	136.90	165	147.80	300
95.00	116752	115.90	379	139.60	40	149.00	51
96.00	8625	116.90	865	139.80	58	149.70	55
97.00	283	117.95	527	140.90	1365	152.70	40
103.85	566	118.85	586	141.95	227	154.95	307
104.70	52	127.85	467	142.85	1350	155.90	134

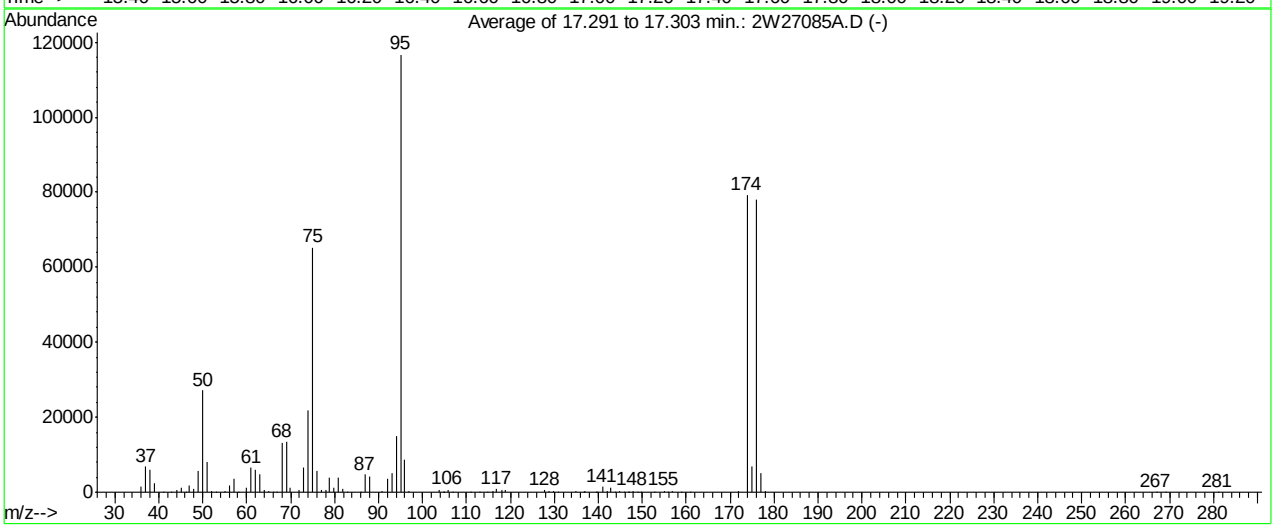
Average of 17.291 to 17.303 min.: 2W27085.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.85	203	281.00	5				
158.90	138						
160.85	155						
171.80	246						
173.90	79344						
174.95	6827						
175.90	78098						
176.90	5113						
177.95	194						
266.90	64						
269.00	42						

BFB

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27085A.D Vial: 5
Acq On : 4 May 2010 8:22 am Operator: yunxiac
Sample : bfb Inst : MS2W
Misc : MS93525,V2W1142,400,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um





AutoFind: Scans 2043, 2044, 2045; Background Corrected with Scan 2031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	27122	PASS
75	95	30	66	55.9	65245	PASS
95	95	100	100	100.0	116752	PASS
96	95	5	9	7.4	8625	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.0	79344	PASS
175	174	4	9	8.6	6827	PASS
176	174	93	101	98.4	78098	PASS
177	176	5	9	6.5	5113	PASS

2W27085A.D M2W1139.M Wed May 05 10:37:54 2010 MS2W

Average of 17.291 to 17.303 min.: 2W27085A.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1366	49.00	5707	62.00	5971	73.95	21826
37.00	6797	50.00	27122	63.00	4934	75.00	65245
38.00	6083	51.00	8035	64.00	540	76.00	5770
39.00	2365	51.90	350	64.90	256	76.90	748
41.00	24	53.10	40	66.00	44	77.95	507
42.80	68	54.95	280	66.90	134	78.85	3796
44.00	588	56.00	1914	68.00	13197	79.90	1333
45.00	1327	57.00	3599	69.00	13401	80.90	3885
46.10	73	58.05	153	69.95	1227	81.90	1045
47.00	1719	60.00	1148	71.95	731	82.95	101
47.95	815	61.00	6449	73.00	6505	85.90	117

Average of 17.291 to 17.303 min.: 2W27085A.D
bfb
Modified:subtracted

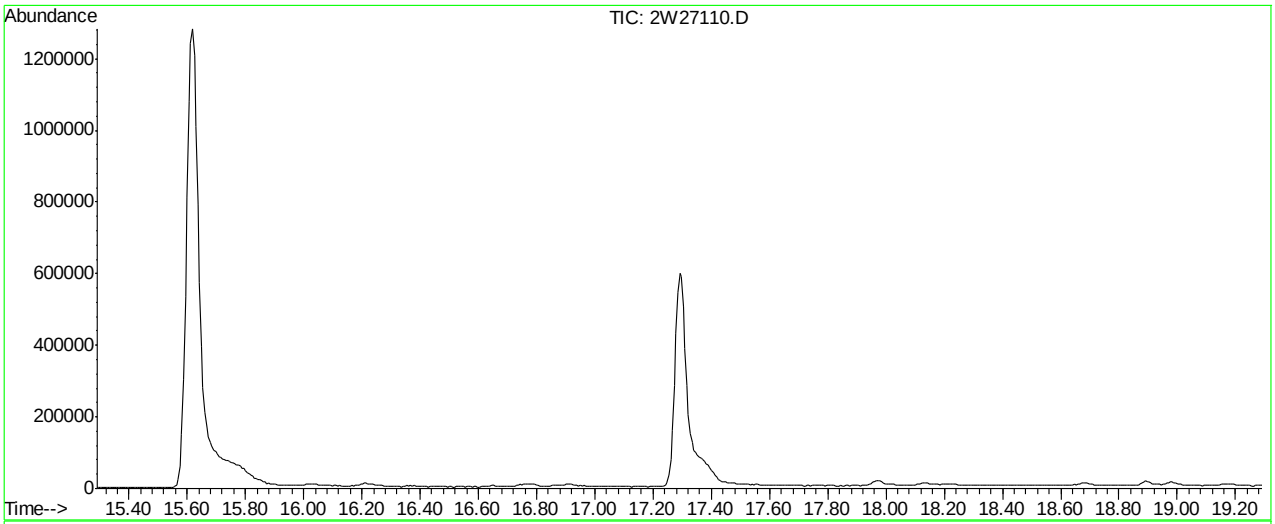
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.90	4699	104.85	135	128.85	220	143.90	45
87.90	4067	105.80	618	129.85	407	144.90	176
90.90	425	106.85	99	130.85	132	145.90	136
91.95	3476	110.80	86	134.90	187	146.80	83
92.95	5141	112.90	58	136.70	65	147.00	2
94.00	14815	114.75	101	136.90	165	147.80	300
95.00	116752	115.90	379	139.60	40	149.00	51
96.00	8625	116.90	865	139.80	58	149.70	55
97.00	283	117.95	527	140.90	1365	152.70	40
103.85	566	118.85	586	141.95	227	154.95	307
104.70	52	127.85	467	142.85	1350	155.90	134

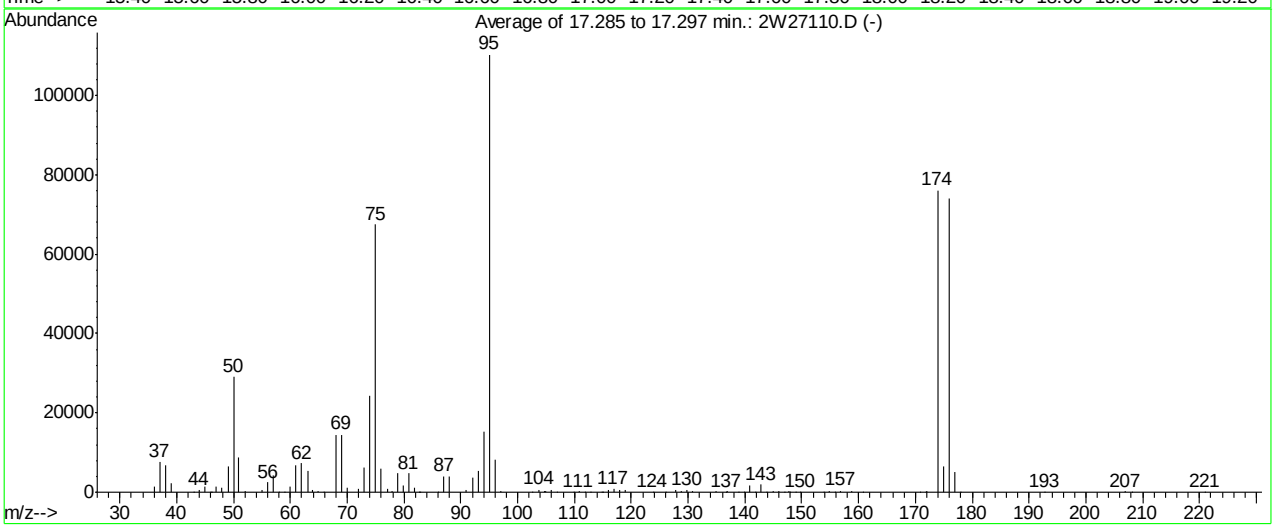
Average of 17.291 to 17.303 min.: 2W27085A.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.85	203	281.00	5				
158.90	138						
160.85	155						
171.80	246						
173.90	79344						
174.95	6827						
175.90	78098						
176.90	5113						
177.95	194						
266.90	64						
269.00	42						

BFB

```
Data File : C:\MSDCHEM\1\DATA\2W27110.D                Vial: 5
Acq On    :  5 May 2010  10:31 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS96138,V2W1143,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```





AutoFind: Scans 2042, 2043, 2044; Background Corrected with Scan 2031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.4	29082	PASS
75	95	30	66	61.2	67514	PASS
95	95	100	100	100.0	110309	PASS
96	95	5	9	7.5	8278	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.0	76112	PASS
175	174	4	9	8.4	6419	PASS
176	174	93	101	97.4	74130	PASS
177	176	5	9	6.8	5074	PASS

2W27110.D M2W1138.M Thu May 06 10:57:48 2010 MS2W

Average of 17.285 to 17.297 min.: 2W27110.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1546	49.00	6525	62.00	7317	75.00	67514
37.00	7517	50.00	29082	63.00	5502	76.00	5951
37.95	6720	50.95	8741	63.95	566	77.00	842
39.00	2395	51.95	320	64.95	371	77.95	352
42.95	85	54.95	477	65.90	49	78.85	4860
43.95	528	56.00	2416	68.00	14321	79.90	1694
45.00	1301	57.00	4160	69.00	14459	80.85	4763
45.90	59	57.95	150	69.95	1239	81.90	1058
46.20	64	58.90	43	71.95	861	82.60	46
47.00	1528	59.95	1520	73.00	6175	82.85	124
47.95	1097	61.00	6909	74.00	24295	86.00	48

Average of 17.285 to 17.297 min.: 2W27110.D
bfb
Modified:subtracted

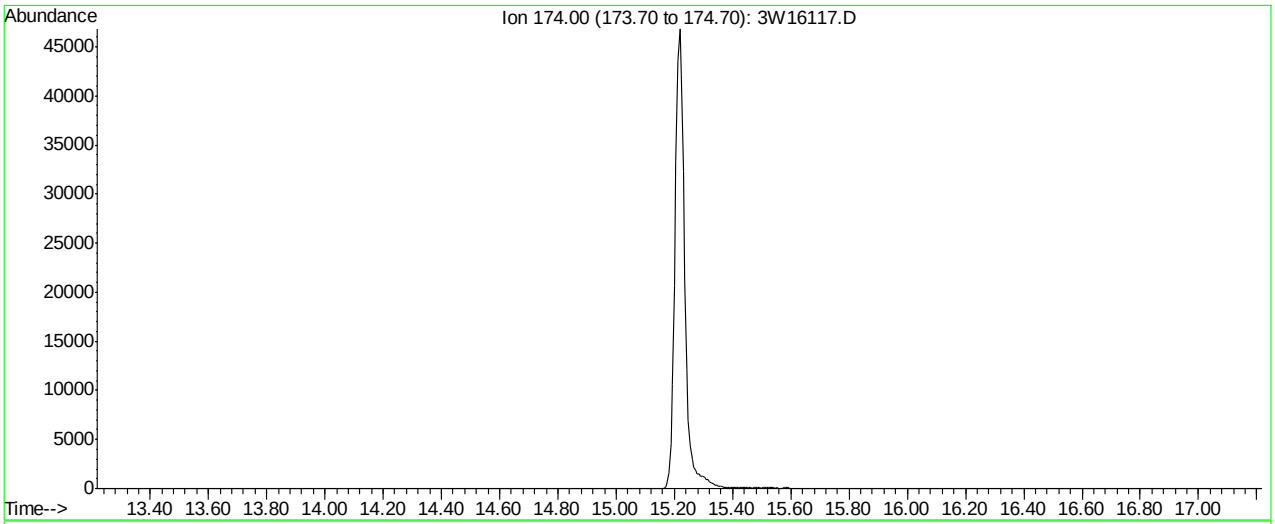
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	4083	104.80	187	116.90	795	136.85	162
87.95	3825	105.00	236	117.90	712	138.80	48
90.90	609	105.90	634	118.90	704	139.90	47
92.00	3767	106.90	49	123.80	100	140.85	1687
93.00	5451	109.80	40	126.00	92	141.85	123
94.00	15136	110.80	218	127.85	546	142.85	1909
95.00	110309	111.90	109	128.80	211	143.80	51
96.00	8278	112.75	145	129.85	547	144.95	175
96.95	294	114.70	72	130.85	234	145.95	152
102.60	40	114.95	142	134.90	287	147.00	34
103.80	651	115.90	581	136.70	88	147.80	177

Average of 17.285 to 17.297 min.: 2W27110.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.00	120	172.00	253				
148.90	42	173.90	76112				
149.80	88	175.00	6419				
153.90	45	175.90	74130				
154.90	292	176.90	5074				
155.90	47	177.90	60				
156.90	319	192.80	40				
158.75	192	206.95	154				
160.80	136	208.20	40				
170.90	51	221.00	67				
171.80	81						

BFB

Data File : C:\MSDCHEM\1\DATA\3W16117.D Vial: 5
Acq On : 6 Apr 2010 3:52 pm Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 1830, 1831, 1832; Background Corrected with Scan 1819

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.7	7353	PASS
75	95	30	66	45.6	22794	PASS
95	95	100	100	100.0	49949	PASS
96	95	5	9	7.1	3550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.5	44213	PASS
175	174	4	9	7.3	3248	PASS
176	174	93	101	97.0	42880	PASS
177	176	5	9	6.7	2863	PASS

3W16117.D M3W644.M Wed Apr 07 11:35:49 2010 MS3W

Average of 15.212 to 15.224 min.: 3W16117.D
BFB
Modified:subtracted

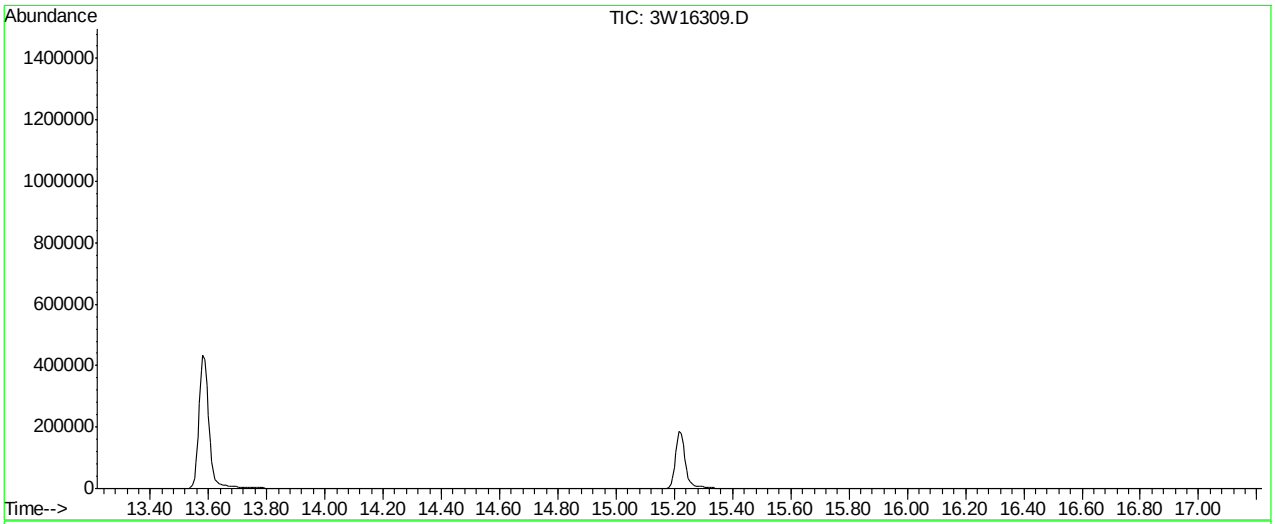
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	314	50.10	7353	64.05	126	78.05	195
37.10	1532	51.10	2326	67.05	126	78.95	1063
38.10	1446	52.05	108	68.10	4441	79.95	401
39.10	596	55.05	83	69.10	4321	81.00	1104
42.20	17	56.05	542	70.10	362	82.00	330
43.10	37	57.10	1040	72.10	213	86.05	36
44.00	144	58.00	34	73.10	1877	87.00	1971
45.10	312	60.05	356	74.10	7141	88.00	1848
47.10	601	61.10	1833	75.10	22794	91.00	172
48.05	236	62.10	1862	76.10	1923	92.05	1214
49.10	1496	63.10	1357	77.05	289	93.05	1924

Average of 15.212 to 15.224 min.: 3W16117.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	5290	117.95	174	144.80	17	175.00	3248
95.10	49949	118.95	242	146.00	69	176.00	42880
96.10	3550	127.90	164	147.00	16	177.00	2863
97.10	148	128.95	78	147.95	120	177.95	86
103.95	190	129.90	174	149.85	56		
104.95	87	131.05	73	154.95	148		
105.95	184	134.95	81	156.95	96		
106.90	40	136.95	78	158.95	46		
115.10	17	141.00	501	160.85	40		
115.95	151	141.95	37	172.05	38		
116.95	250	142.95	473	174.00	44213		

BFB

Data File : C:\MSDCHEM\1\DATA\3W16309.D Vial: 5
Acq On : 16 Apr 2010 6:57 am Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 1830, 1831, 1832; Background Corrected with Scan 1820

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	6648	PASS
75	95	30	66	48.3	18394	PASS
95	95	100	100	100.0	38072	PASS
96	95	5	9	7.0	2654	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.9	30426	PASS
175	174	4	9	7.4	2242	PASS
176	174	93	101	96.7	29413	PASS
177	176	5	9	6.6	1951	PASS

3W16309.D M3W644.M Mon Apr 19 14:47:36 2010 MS3W

Average of 15.212 to 15.224 min.: 3W16309.D
BFB
Modified:subtracted

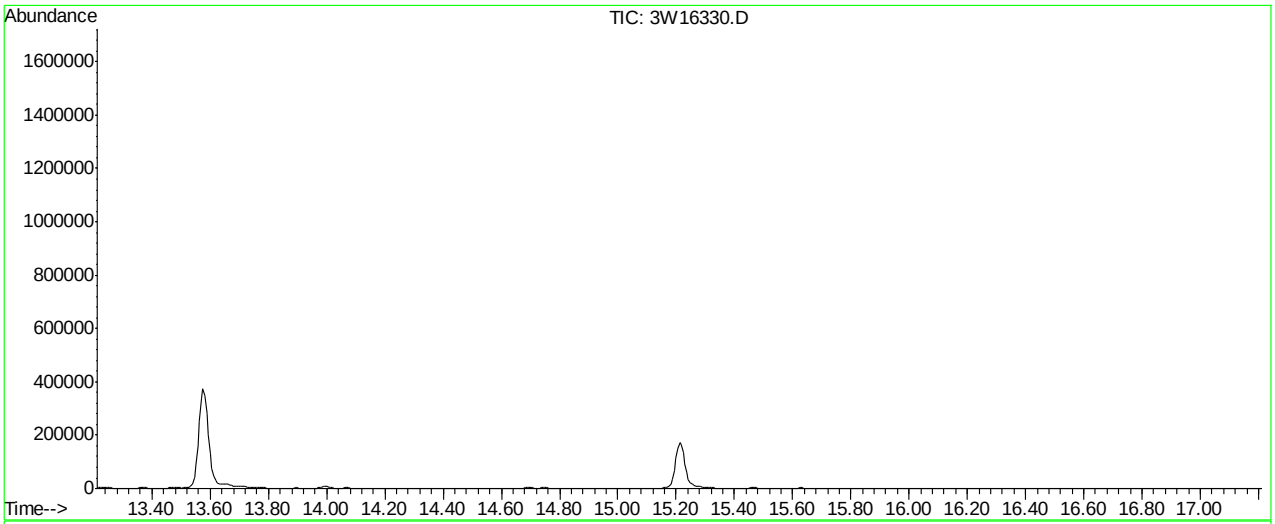
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	246	50.10	6648	64.10	107	77.05	223
37.10	1419	51.10	1997	65.00	23	78.05	175
38.10	1320	52.10	113	67.10	87	79.00	839
39.10	576	55.05	100	68.10	3596	80.00	333
40.05	23	56.10	481	69.10	3652	81.00	874
41.05	36	57.10	871	70.05	321	82.00	248
44.10	132	58.10	19	72.05	204	86.20	20
45.05	283	60.10	295	73.10	1554	87.00	1466
47.10	505	61.10	1547	74.10	5860	88.00	1463
48.05	176	62.10	1552	75.10	18394	91.00	122
49.10	1283	63.10	1226	76.10	1594	92.00	995

Average of 15.212 to 15.224 min.: 3W16309.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.10	1528	117.95	112	145.00	28	176.00	29413
94.10	4068	119.00	205	146.00	21	177.00	1951
95.10	38072	127.95	128	147.95	100	177.95	74
96.10	2654	128.95	78	152.90	23		
97.00	95	129.90	125	155.00	94		
104.00	150	130.95	57	157.00	51		
104.95	38	134.95	42	158.95	40		
105.95	158	136.95	45	160.80	36		
115.00	17	140.95	366	171.90	43		
116.00	133	141.95	36	174.00	30426		
117.00	230	142.95	385	175.00	2242		

BFB

Data File : C:\MSDCHEM\1\DATA\3W16330.D Vial: 5
Acq On : 19 Apr 2010 6:00 am Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 1829, 1830, 1831; Background Corrected with Scan 1815

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.3	5547	PASS
75	95	30	66	46.8	15978	PASS
95	95	100	100	100.0	34133	PASS
96	95	5	9	7.7	2622	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.3	30493	PASS
175	174	4	9	7.2	2190	PASS
176	174	93	101	97.3	29672	PASS
177	176	5	9	6.6	1946	PASS

3W16330.D M3W644.M Tue Apr 20 10:07:05 2010 MS3W

Average of 15.206 to 15.218 min.: 3W16330.D
BFB
Modified:subtracted

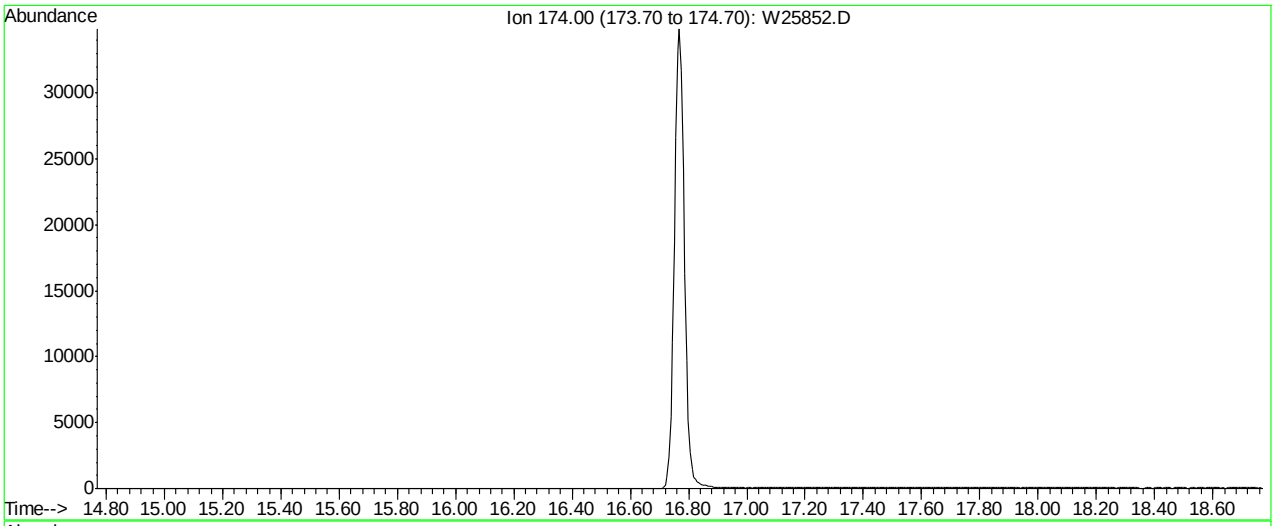
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	224	50.10	5547	67.05	102	78.95	809
37.10	1119	51.10	1740	68.10	3134	80.00	277
38.10	1080	52.05	74	69.10	3193	81.00	761
39.10	498	55.10	91	70.10	324	82.00	198
41.05	37	56.05	442	72.05	158	87.00	1289
43.15	36	57.10	810	73.05	1287	88.00	1259
44.05	120	60.05	289	74.10	5069	90.95	126
45.10	253	61.10	1283	75.10	15978	92.05	869
47.10	421	62.10	1224	76.10	1401	93.05	1242
48.05	191	63.10	1019	77.05	234	94.10	3767
49.10	1093	64.00	77	78.00	148	95.10	34133

Average of 15.206 to 15.218 min.: 3W16330.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	2622	128.00	142	148.00	79		
97.10	219	128.95	45	154.95	96		
103.95	128	130.00	150	156.95	66		
105.10	18	130.95	66	159.00	18		
105.95	122	134.90	18	174.00	30493		
113.00	19	136.95	62	175.00	2190		
115.05	39	141.00	410	176.00	29672		
116.00	114	142.00	47	177.00	1946		
117.00	169	142.95	384	178.00	30		
118.00	117	145.00	16				
119.00	182	145.95	37				

BFB

```
Data File : C:\MSDCHEM\1\DATA\W25852.D                    Vial: 5
Acq On    : 12 Apr 2010   8:23 pm                     Operator: YOUMINH
Sample    : BFB                                       Inst    : MSW
Misc      : MS49009,VW1071,,,,,1                      Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```



AutoFind: Scans 1974, 1975, 1976; Background Corrected with Scan 1962

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	6885	PASS
75	95	30	66	46.2	17919	PASS
95	95	100	100	100.0	38810	PASS
96	95	5	9	6.8	2629	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.7	33261	PASS
175	174	4	9	7.4	2455	PASS
176	174	93	101	96.9	32242	PASS
177	176	5	9	6.7	2176	PASS

W25852.D MW1071.M Wed Apr 14 11:33:40 2010 MSW

Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	298	47.95	203	60.00	321	74.00	5796
37.10	1661	49.05	1409	61.00	1562	75.00	17919
38.10	1462	50.10	6885	62.00	1555	76.00	1623
39.10	590	51.10	2138	63.00	1148	77.00	253
41.00	25	52.05	114	64.00	125	78.00	149
42.05	12	54.05	44	67.05	125	78.90	697
43.05	37	55.00	105	68.00	3633	79.90	221
44.00	112	56.00	476	69.00	3580	80.90	714
45.00	292	57.00	913	70.00	290	81.95	142
46.05	51	58.05	43	72.00	195	83.00	45
47.05	506	59.05	8	73.00	1576	86.00	15

Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

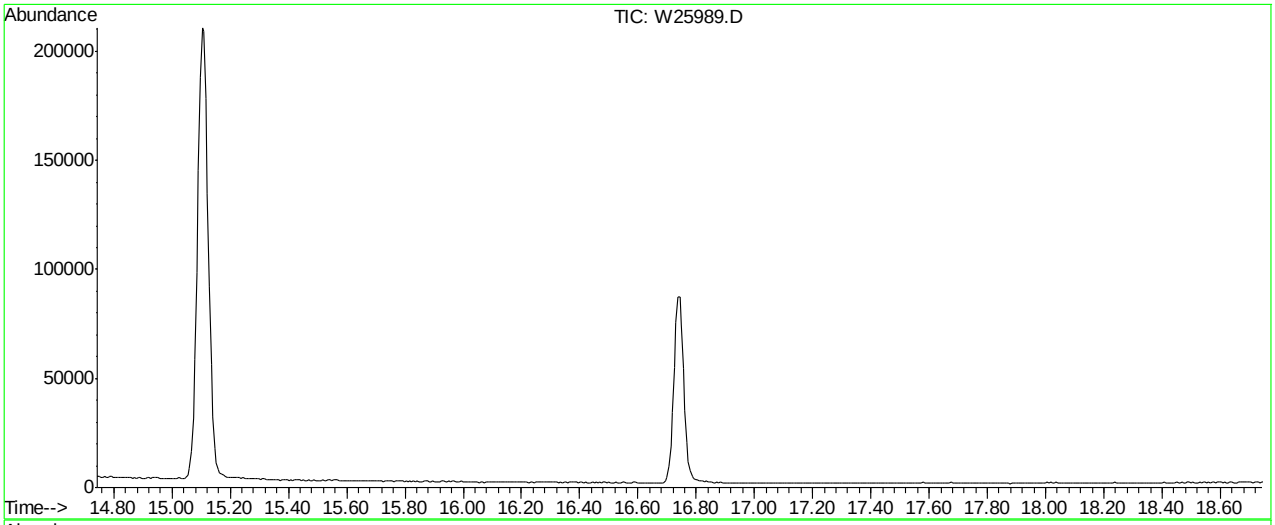
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	1605	105.90	116	130.90	56	154.85	92
88.00	1494	106.90	15	134.85	51	156.95	67
90.95	135	114.90	14	136.85	54	158.90	33
92.00	930	115.90	101	140.90	302	160.90	30
93.00	1496	116.90	177	142.90	281	173.90	33261
94.00	4188	117.90	114	145.85	33	175.00	2455
95.00	38810	118.90	197	147.00	34	175.90	32242
96.00	2629	126.00	14	147.95	109	176.90	2176
97.00	113	127.90	133	148.95	50	177.95	61
103.90	132	128.90	59	149.90	28	191.00	8
104.90	64	129.90	141	153.90	27	192.95	4

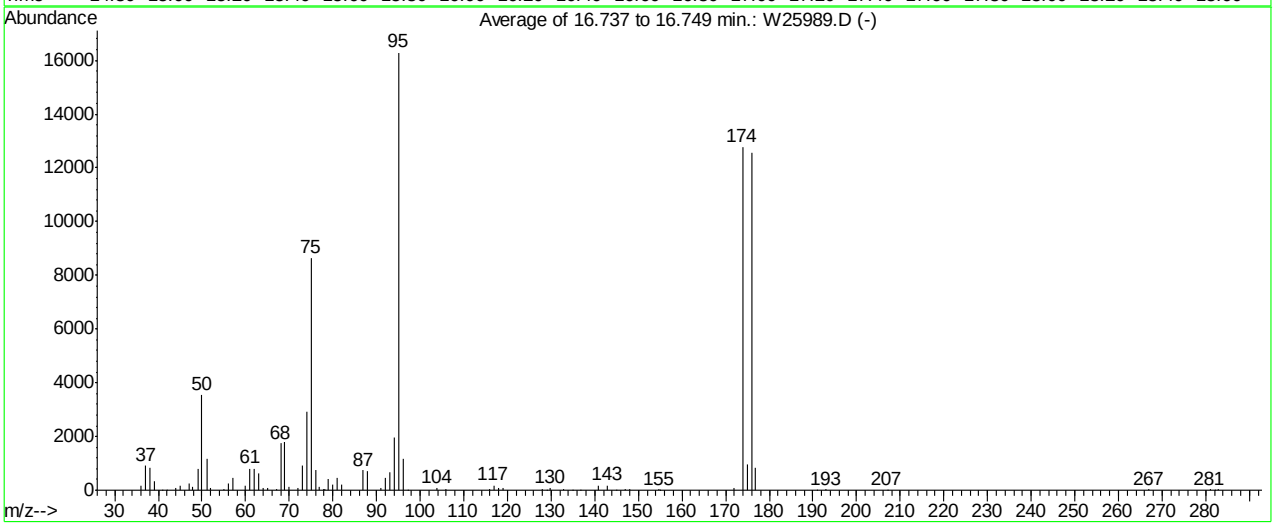
Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.00	3						
267.95	3						

BFB

Data File : C:\MSDCHEM\1\DATA\W25989.D Vial: 5
Acq On : 20 Apr 2010 6:42 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS49009,VW1077,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1978, 1979, 1980; Background Corrected with Scan 1967

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.7	3529	PASS
75	95	30	66	53.1	8649	PASS
95	95	100	100	100.0	16295	PASS
96	95	5	9	7.3	1189	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.5	12792	PASS
175	174	4	9	7.4	942	PASS
176	174	93	101	98.2	12557	PASS
177	176	5	9	6.5	820	PASS

W25989.D MW1071.M Wed Apr 21 14:27:25 2010 MSW

Average of 16.737 to 16.749 min.: W25989.D
BFB
Modified:subtracted

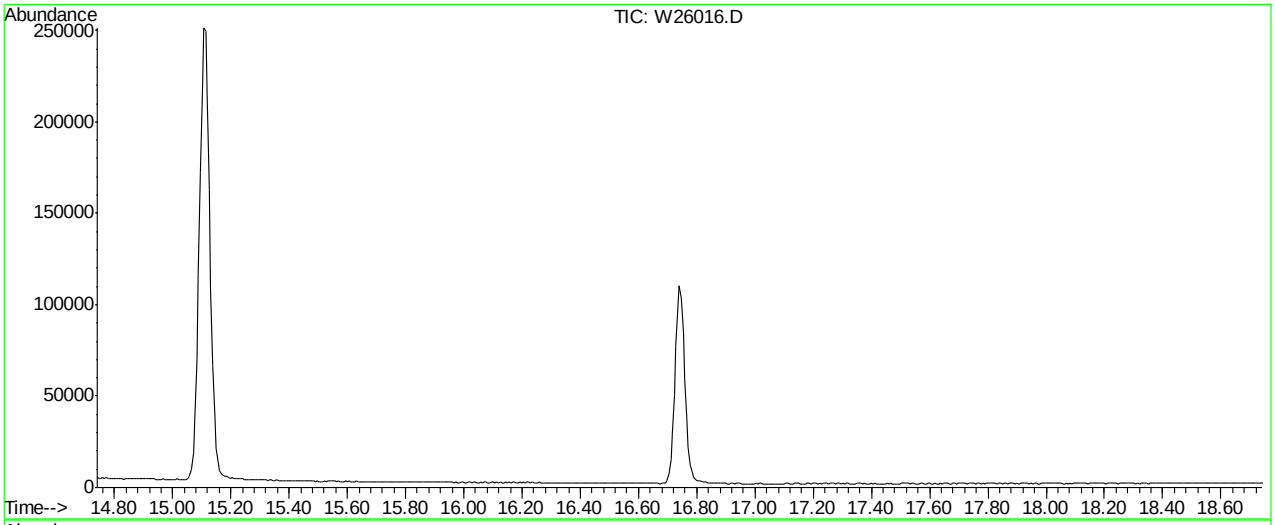
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	180	50.00	3529	65.00	87	77.90	55
37.05	914	51.05	1150	67.05	28	78.10	30
38.05	844	52.00	69	68.00	1752	78.90	433
39.05	353	55.05	47	69.00	1793	79.90	195
41.00	8	56.00	256	70.00	147	80.90	457
42.00	13	57.00	472	72.00	86	81.95	190
44.00	79	60.00	162	73.00	915	87.00	747
45.05	189	61.00	805	74.00	2940	87.95	692
47.05	272	62.00	795	75.00	8649	90.95	65
47.95	114	63.00	646	76.05	750	92.00	451
49.00	777	64.05	83	76.95	118	93.00	660

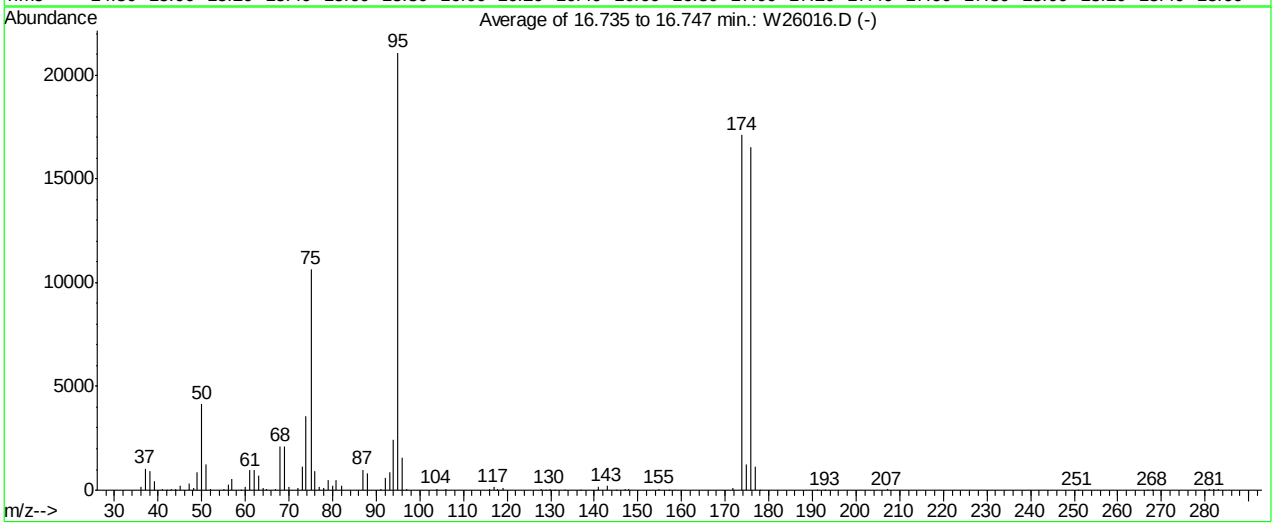
Average of 16.737 to 16.749 min.: W25989.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	1965	128.90	14	155.00	14	282.00	6
95.00	16295	129.85	68	171.90	78	282.95	27
96.00	1189	132.95	28	173.90	12792		
97.10	15	134.90	14	174.95	942		
103.90	73	136.80	13	175.90	12557		
105.90	57	140.85	174	176.90	820		
115.80	57	142.90	186	191.00	16		
116.90	181	144.90	14	193.00	32		
117.90	65	147.00	31	207.00	12		
118.90	100	147.90	50	267.00	39		
127.85	51	154.75	28	281.00	29		

BFB

Data File : C:\MSDCHEM\1\DATA\W26016.D Vial: 5
Acq On : 21 Apr 2010 6:15 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS95849,VW1078,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um





AutoFind: Scans 1994, 1995, 1996; Background Corrected with Scan 1984

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.7	4152	PASS
75	95	30	66	50.5	10651	PASS
95	95	100	100	100.0	21093	PASS
96	95	5	9	7.5	1579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.1	17115	PASS
175	174	4	9	7.3	1253	PASS
176	174	93	101	96.7	16545	PASS
177	176	5	9	6.8	1128	PASS

W26016.D MW1071.M Wed Apr 21 16:39:43 2010 MSW

Average of 16.735 to 16.747 min.: W26016.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	170	49.00	843	63.00	729	76.00	946
37.05	1041	50.05	4152	63.95	88	77.00	158
38.05	938	51.05	1254	64.95	73	77.90	99
39.05	421	52.05	70	66.95	55	78.90	490
41.00	46	55.00	67	68.00	2130	79.95	206
42.10	17	56.00	287	69.00	2100	80.90	514
43.10	43	57.00	553	70.00	169	81.95	199
44.00	52	58.90	14	72.00	101	86.95	981
45.00	223	60.00	177	73.00	1130	87.90	828
47.00	309	61.00	957	73.95	3561	90.95	56
48.05	117	62.05	978	75.00	10651	92.00	589

Average of 16.735 to 16.747 min.: W26016.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	858	127.90	53	154.90	55	250.80	15
94.00	2428	128.90	13	157.00	14	266.90	16
95.00	21093	129.85	80	171.85	84	267.95	27
96.00	1579	130.80	13	173.90	17115	281.00	43
97.00	53	133.10	16	174.95	1253	281.95	40
103.90	76	136.90	13	175.90	16545	283.05	36
105.85	72	140.85	161	176.90	1128		
115.95	58	142.90	196	177.80	16		
116.90	142	144.90	18	191.00	16		
117.85	73	147.00	35	192.90	23		
118.95	117	147.85	51	207.10	31		

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 11:02:59 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:01:18 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	263849	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1076317	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	436737	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	436737	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	233555	5.61	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 112.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	546390	4.90	PPBV		99
4) FREON 152A	4.97	65	115077	4.99	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	61890	5.43	PPBV		97
6) PROPYLENE	5.04	41	145970	5.03	PPBV		95
8) FREON 114	5.31	85	576542	5.33	PPBV		98
9) CHLOROMETHANE	5.25	52	55549	4.98	PPBV		98
10) VINYL CHLORIDE	5.43	62	192536	5.17	PPBV		99
11) 1,3-BUTADIENE	5.54	54	150909	4.99	PPBV		97
12) n-BUTANE	5.57	43	294727	4.56	PPBV		99
13) BROMOMETHANE	5.79	94	209017	5.02	PPBV		98
14) CHLOROETHANE	5.93	64	104342	5.04	PPBV		97
15) FREON 123	6.35	83	391838	4.43	PPBV	#	98
16) FREON 123A	6.40	117	250321	4.31	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.58	101	559910	5.16	PPBV		97
18) ISOPROPYL ALCOHOL	6.69	45	262002	4.61	PPBV		97
19) ACETONE	6.47	58	53757	3.75	PPBV		95
20) PENTANE	6.84	42	192126	4.84	PPBV		99
23) IODOMETHANE	7.11	142	546942	5.22	PPBV		100
24) 1,1-DICHLOROETHYLENE	7.16	96	177094	4.95	PPBV		96
25) CARBON DISULFIDE	7.56	76	504432	5.03	PPBV		99
26) ETHANOL	6.07	45	56042	3.91	PPBV		99
27) BROMOETHENE	6.24	106	215270	5.44	PPBV		99
28) METHYLENE CHLORIDE	7.30	84	144007	4.75	PPBV		97
29) 3-CHLOROPROPENE	7.37	76	68127	4.63	PPBV		97
30) FREON 113	7.47	151	318197	4.97	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	183622	5.33	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.22	59	341646	5.06	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.33	73	369440	4.21	PPBV		99
34) TETRAHYDROFURAN	9.81	72	58307	4.43	PPBV		99
35) HEXANE	9.18	57	219578	4.75	PPBV		99
36) VINYL ACETATE	8.43	86	26277	4.19	PPBV		98
37) 1,1-DICHLOROETHANE	8.31	63	282983	4.55	PPBV		99
38) METHYL ETHYL KETONE	8.69	72	58015	4.26	PPBV	#	91
39) cis-1,2-DICHLOROETHYLENE	9.15	96	163811	4.30	PPBV		97
40) ETHYL ACETATE	9.31	61	34541	5.44	PPBV	#	56
41) CHLOROFORM	9.40	83	336980	4.74	PPBV		98
42) 2,4-DIMETHYLPENTANE	10.03	57	280771	4.86	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.35	97	393401	4.59	PPBV		99
44) CARBON TETRACHLORIDE	10.96	117	419006	5.15	PPBV		98
45) 1,2-DICHLOROETHANE	10.12	62	216301	4.54	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 11:02:59 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:01:18 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

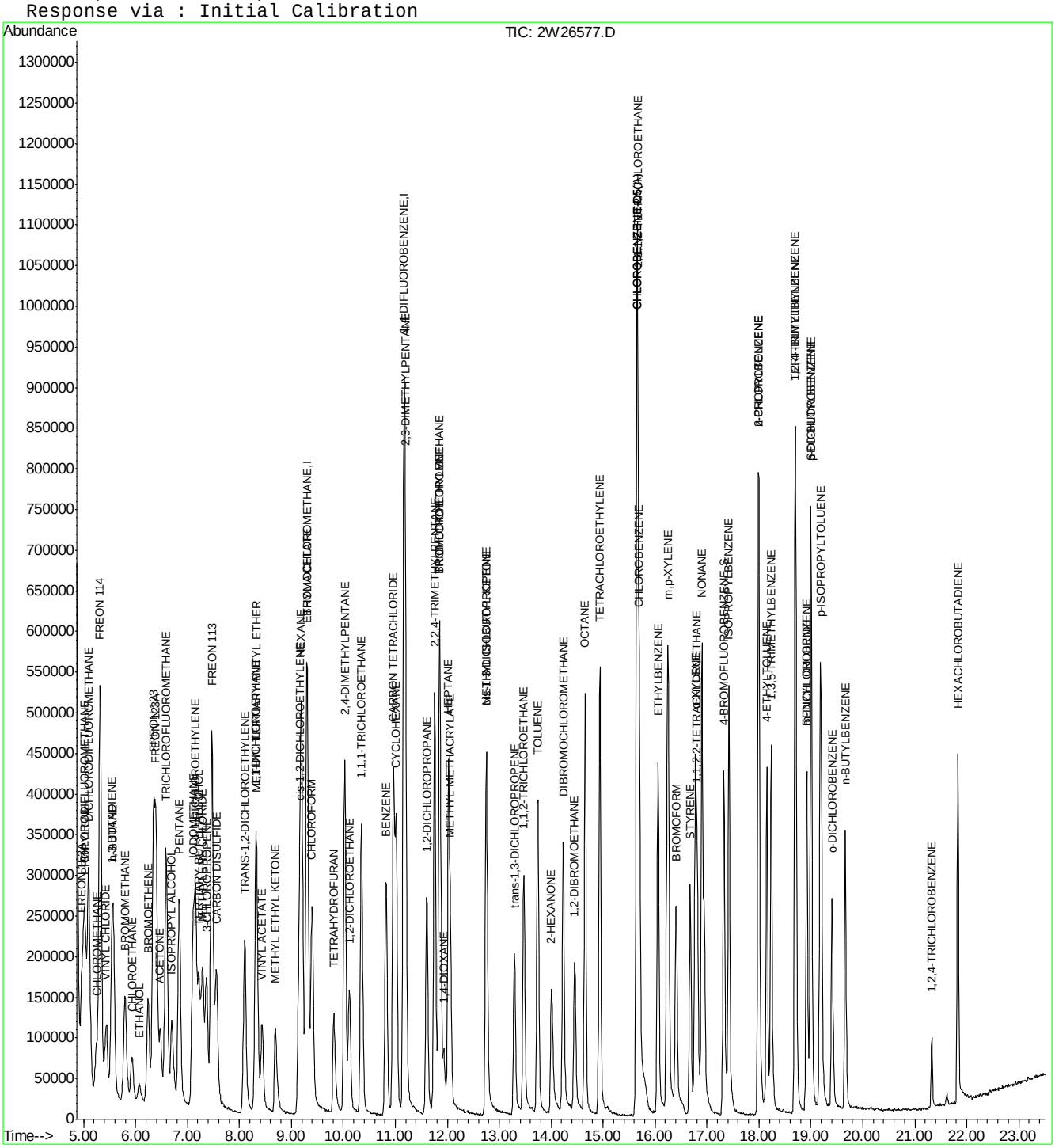
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	427921	4.74	PPBV		99
48)	CYCLOHEXANE	11.01	84	272760	4.95	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.20	71	101353	4.72	PPBV		92
50)	TRICHLOROETHYLENE	11.86	95	185485	4.52	PPBV		99
51)	1,2-DICHLOROPROPANE	11.60	63	137618	4.49	PPBV		99
52)	BROMODICHLOROMETHANE	11.85	83	307940	4.85	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	675073	4.88	PPBV		99
54)	1,4-DIOXANE	11.93	88	82134	4.58	PPBV		94
55)	METHYL METHACRYLATE	12.06	69	108566	5.36	PPBV	#	1
56)	HEPTANE	12.02	43	234027	4.76	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.75	43	234409	5.39	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.75	75	227401	5.15	PPBV		96
60)	TOLUENE	13.74	92	280996	4.77	PPBV		96
61)	trans-1,3-DICHLOROPROPENE	13.29	75	183165	5.11	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.47	83	128397	5.12	PPBV		94
64)	2-HEXANONE	14.01	58	101465	5.59	PPBV		97
65)	TETRACHLOROETHYLENE	14.94	164	215180	4.93	PPBV		98
66)	DIBROMOCHLOROMETHANE	14.23	129	311016	5.64	PPBV		98
67)	1,2-DIBROMOETHANE	14.46	107	220520	5.52	PPBV		97
68)	OCTANE	14.65	43	290345	5.13	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	214527	5.11	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	312914	5.44	PPBV		99
71)	ETHYLBENZENE	16.06	91	494144	5.07	PPBV		98
72)	m,p-XYLENE	16.24	106	391820	9.83	PPBV		93
73)	o-XYLENE	16.78	106	192271	4.67	PPBV		93
74)	STYRENE	16.68	104	234106	5.50	PPBV		99
75)	NONANE	16.90	43	255438	5.44	PPBV		99
76)	BROMOFORM	16.40	173	225435	6.00	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.81	83	217022	5.32	PPBV		98
79)	ISOPROPYLBENZENE	17.42	105	539775	4.98	PPBV		97
80)	2-CHLOROTOLUENE	18.00	126	131343	4.93	PPBV	#	88
81)	n-PROPYLBENZENE	18.00	120	137308	5.45	PPBV		79
82)	4-ETHYLTOLUENE	18.15	105	409499	5.64	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	388581	5.35	PPBV		97
84)	TERT-BUTYLBENZENE	18.70	134	102439	5.17	PPBV		87
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	329359	5.22	PPBV		95
86)	m-DICHLOROBENZENE	18.92	146	182046	5.63	PPBV		99
87)	BENZYL CHLORIDE	18.92	91	169199	4.88	PPBV		99
88)	p-DICHLOROBENZENE	19.00	146	163692	5.00	PPBV		99
89)	SEC-BUTYLBENZENE	19.01	134	114281	5.25	PPBV		87
90)	p-ISOPROPYLTOLUENE	19.18	134	115675	5.40	PPBV		91
91)	o-DICHLOROBENZENE	19.41	146	173042	5.00	PPBV		99
92)	n-BUTYLBENZENE	19.66	134	80425	5.15	PPBV		98
93)	HEXACHLOROBUTADIENE	21.83	225	110756	5.45	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	21.32	180	40630	3.87	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:13 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 12:57:19 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 12:57:16 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	280494	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1096228	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	393375	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	393375	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	185913	4.85	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	66346	0.55	PPBV		99
4) FREON 152A	4.97	65	13626	0.53	PPBV		83
5) CHLORODIFLUOROMETHANE	5.01	67	7278	0.51	PPBV	#	40
6) PROPYLENE	5.04	41	17458	0.51	PPBV		87
8) FREON 114	5.31	85	72114	0.54	PPBV		98
9) CHLOROMETHANE	5.25	52	6973	0.55	PPBV	#	57
10) VINYL CHLORIDE	5.45	62	23728	0.56	PPBV		98
11) 1,3-BUTADIENE	5.54	54	17309	0.55	PPBV		94
12) n-BUTANE	5.57	43	39523	0.56	PPBV	#	92
13) BROMOMETHANE	5.80	94	25131	0.53	PPBV		98
14) CHLOROETHANE	5.93	64	12287	0.54	PPBV		94
15) FREON 123	6.35	83	56508	0.59	PPBV	#	95
16) FREON 123A	6.40	117	36879	0.58	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	69828	0.54	PPBV		98
18) ISOPROPYL ALCOHOL	6.77	45	35812	0.57	PPBV		94
19) ACETONE	6.51	58	8927	0.66	PPBV	#	86
20) PENTANE	6.85	42	25116	0.56	PPBV		90
23) IODOMETHANE	7.11	142	65241	0.55	PPBV	#	73
24) 1,1-DICHLOROETHYLENE	7.17	96	23332	0.55	PPBV	#	71
25) CARBON DISULFIDE	7.55	76	60132	0.54	PPBV		93
26) ETHANOL	6.12	45	8268	0.54	PPBV	#	48
27) BROMOETHENE	6.25	106	25280	0.55	PPBV	#	97
28) METHYLENE CHLORIDE	7.30	84	19277	0.53	PPBV		98
29) 3-CHLOROPROPENE	7.36	76	9658	0.61	PPBV	#	73
30) FREON 113	7.47	151	44716	0.58	PPBV		98
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	22174	0.54	PPBV	#	82
32) TERTIARY BUTYL ALCOHOL	7.33	59	41120	0.57	PPBV	#	71
33) METHYL TERTIARY BUTYL ETHE	8.37	73	58577	0.66	PPBV		97
34) TETRAHYDROFURAN	9.89	72	6908	0.57	PPBV	#	86
35) HEXANE	9.19	57	29505	0.58	PPBV	#	87
36) VINYL ACETATE	8.44	86	3648	0.71	PPBV	#	83
37) 1,1-DICHLOROETHANE	8.31	63	39351	0.60	PPBV		97
38) METHYL ETHYL KETONE	8.74	72	7144	0.64	PPBV	#	58
39) cis-1,2-DICHLOROETHYLENE	9.15	96	21768	0.56	PPBV	#	84
40) ETHYL ACETATE	9.35	61	2690	0.59	PPBV	#	85
41) CHLOROFORM	9.41	83	43293	0.58	PPBV		96
42) 2,4-DIMETHYLPENTANE	10.03	57	36393	0.57	PPBV		94
43) 1,1,1-TRICHLOROETHANE	10.36	97	52298	0.58	PPBV		98
44) CARBON TETRACHLORIDE	10.96	117	53659	0.56	PPBV		98
45) 1,2-DICHLOROETHANE	10.11	62	27528	0.59	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 12:57:19 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 12:57:16 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

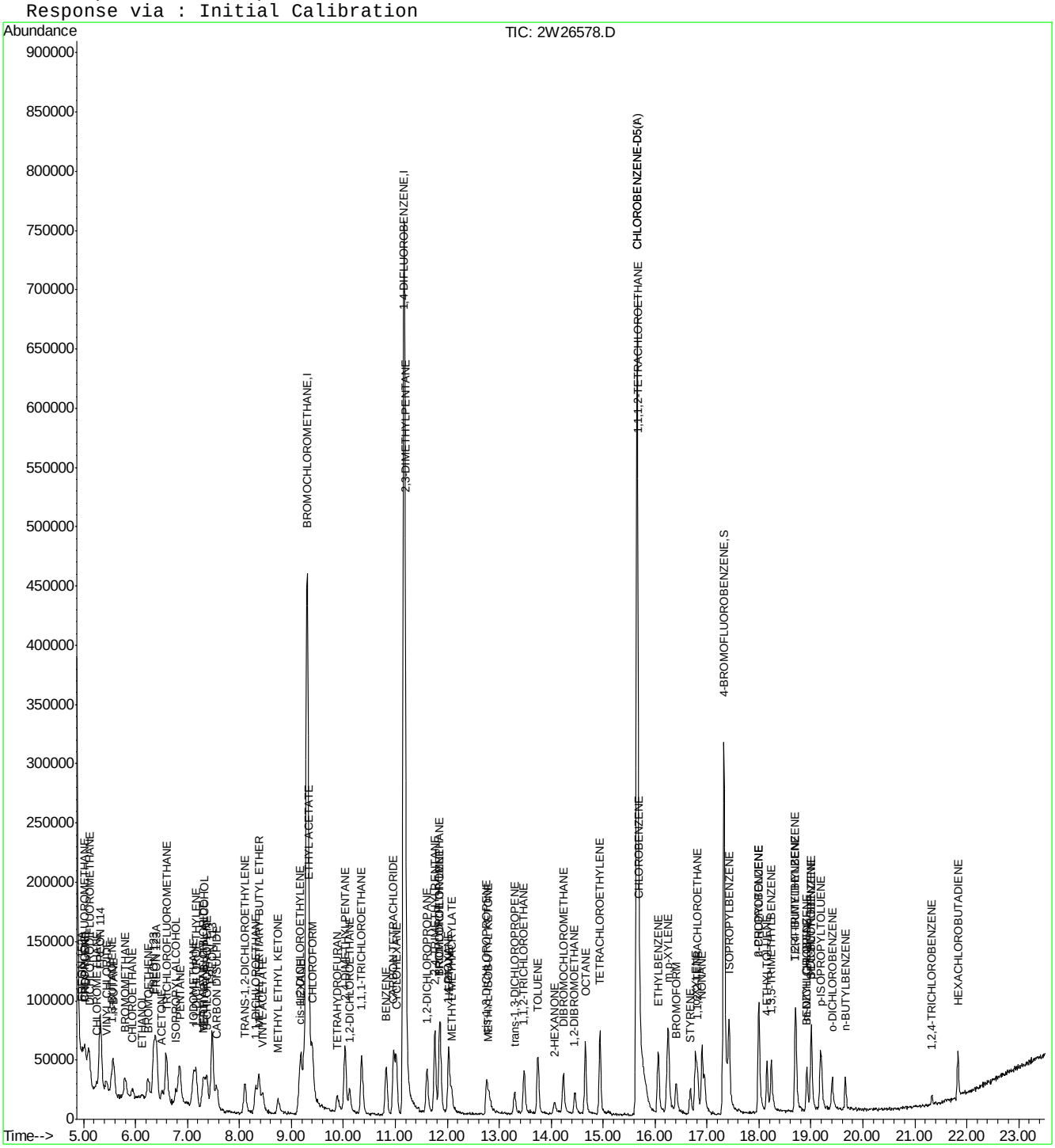
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	57754	0.57	PPBV		94
48)	CYCLOHEXANE	11.02	84	30002	0.47	PPBV	#	70
49)	2,3-DIMETHYLPENTANE	11.20	71	13872	0.51	PPBV	#	41
50)	TRICHLOROETHYLENE	11.86	95	25189	0.57	PPBV		93
51)	1,2-DICHLOROPROPANE	11.61	63	18664	0.57	PPBV	#	76
52)	BROMODICHLOROMETHANE	11.85	83	39310	0.55	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	92848	0.55	PPBV		96
54)	1,4-DIOXANE	12.02	88	10794	0.62	PPBV	#	1
55)	METHYL METHACRYLATE	12.09	69	10523	0.57	PPBV	#	62
56)	HEPTANE	12.02	43	33209	0.57	PPBV		95
58)	METHYL ISOBUTYL KETONE	12.80	43	24211	0.63	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.76	75	25074	0.56	PPBV		94
60)	TOLUENE	13.74	92	35786	0.60	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	13.29	75	18702	0.55	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.47	83	14939	0.57	PPBV		97
64)	2-HEXANONE	14.07	58	7159	0.55	PPBV		90
65)	TETRACHLOROETHYLENE	14.94	164	27468	0.57	PPBV		91
66)	DIBROMOCHLOROMETHANE	14.24	129	31298	0.57	PPBV		98
67)	1,2-DIBROMOETHANE	14.45	107	22635	0.58	PPBV	#	5
68)	OCTANE	14.66	43	35475	0.60	PPBV		92
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	25949	0.61	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	34248	0.58	PPBV		85
71)	ETHYLBENZENE	16.06	91	61367	0.66	PPBV		97
72)	m,p-XYLENE	16.25	106	48590	1.28	PPBV		96
73)	o-XYLENE	16.78	106	23966	0.64	PPBV		98
74)	STYRENE	16.68	104	18627	0.51	PPBV		94
75)	NONANE	16.91	43	27967	0.61	PPBV		90
76)	BROMOFORM	16.41	173	18789	0.79	PPBV	#	40
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	22841	0.60	PPBV		95
79)	ISOPROPYLBENZENE	17.42	105	69811	0.65	PPBV		97
80)	2-CHLOROTOLUENE	18.00	126	14822	0.63	PPBV	#	87
81)	n-PROPYLBENZENE	18.00	120	16045	0.68	PPBV		92
82)	4-ETHYLTOLUENE	18.15	105	41861	0.61	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	39445	0.60	PPBV		99
84)	TERT-BUTYLBENZENE	18.70	134	11430	0.63	PPBV		86
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	32814	0.59	PPBV	#	80
86)	m-DICHLOROBENZENE	18.93	146	16717	0.57	PPBV		98
87)	BENZYL CHLORIDE	18.91	91	16395	0.62	PPBV		97
88)	p-DICHLOROBENZENE	19.01	146	16389	0.59	PPBV		94
89)	SEC-BUTYLBENZENE	19.01	134	12536	0.63	PPBV		96
90)	p-ISOPROPYLTOLUENE	19.18	134	10848	0.60	PPBV	#	83
91)	o-DICHLOROBENZENE	19.41	146	19607	0.65	PPBV		93
92)	n-BUTYLBENZENE	19.67	134	7451	0.57	PPBV	#	69
93)	HEXACHLOROBUTADIENE	21.83	225	9882	0.58	PPBV		97
94)	1,2,4-TRICHLOROBENZENE	21.33	180	4627	0.57	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:30 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 13:01:35 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 13:00:22 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	285266	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1241829	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	517881	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	517881	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	268120	5.23	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 104.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1026461	8.71	PPBV		100
4) FREON 152A	4.98	65	216406	8.62	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	110946	8.11	PPBV		96
6) PROPYLENE	5.03	41	280095	8.44	PPBV		100
8) FREON 114	5.32	85	1068205	8.37	PPBV		100
9) CHLOROMETHANE	5.26	52	111003	8.89	PPBV		100
10) VINYL CHLORIDE	5.44	62	386728	9.19	PPBV		100
11) 1,3-BUTADIENE	5.55	54	292593	9.39	PPBV		99
12) n-BUTANE	5.58	43	589777	8.65	PPBV		100
13) BROMOMETHANE	5.79	94	401971	8.63	PPBV		100
14) CHLOROETHANE	5.93	64	204958	9.16	PPBV		100
15) FREON 123	6.35	83	817973	8.72	PPBV	#	100
16) FREON 123A	6.40	117	537228	8.70	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.59	101	1023568	8.28	PPBV		100
18) ISOPROPYL ALCOHOL	6.69	45	532480	8.70	PPBV		100
19) ACETONE	6.47	58	130442	9.65	PPBV		99
20) PENTANE	6.85	42	369505	8.47	PPBV		100
23) IODOMETHANE	7.11	142	1032936	8.82	PPBV		100
24) 1,1-DICHLOROETHYLENE	7.16	96	342828	8.37	PPBV		100
25) CARBON DISULFIDE	7.56	76	980504	8.92	PPBV		100
26) ETHANOL	6.07	45	127782	8.61	PPBV		100
27) BROMOETHENE	6.25	106	413454	9.06	PPBV		100
28) METHYLENE CHLORIDE	7.30	84	286038	8.25	PPBV		100
29) 3-CHLOROPROPENE	7.37	76	151059	9.58	PPBV		100
30) FREON 113	7.47	151	615109	8.33	PPBV		100
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	365731	9.07	PPBV		100
32) TERTIARY BUTYL ALCOHOL	7.21	59	683391	9.55	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.32	73	883911	9.81	PPBV		100
34) TETRAHYDROFURAN	9.80	72	142093	11.16	PPBV		100
35) HEXANE	9.18	57	440234	8.83	PPBV		100
36) VINYL ACETATE	8.45	86	68863	12.26	PPBV		100
37) 1,1-DICHLOROETHANE	8.31	63	592901	9.19	PPBV		100
38) METHYL ETHYL KETONE	8.68	72	133980	11.29	PPBV		100
39) cis-1,2-DICHLOROETHYLENE	9.15	96	353765	9.24	PPBV		100
40) ETHYL ACETATE	9.30	61	63871	12.64	PPBV		99
41) CHLOROFORM	9.40	83	706347	9.43	PPBV		100
42) 2,4-DIMETHYLPENTANE	10.03	57	581357	9.15	PPBV		100
43) 1,1,1-TRICHLOROETHANE	10.35	97	804779	9.02	PPBV		100
44) CARBON TETRACHLORIDE	10.97	117	810195	8.71	PPBV		100
45) 1,2-DICHLOROETHANE	10.12	62	476306	10.09	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 13:01:35 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 13:00:22 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

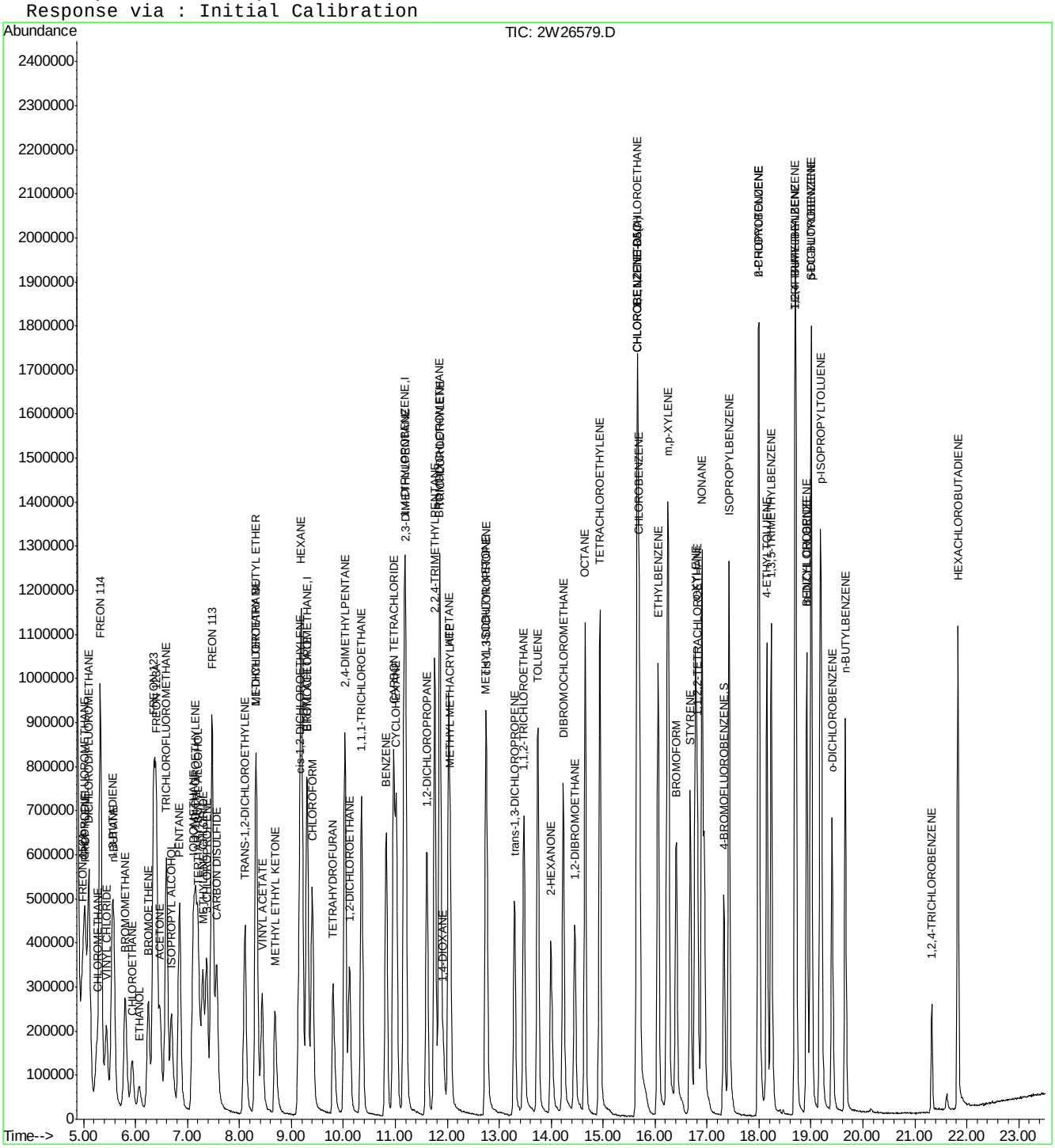
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	BENZENE	10.82	78	942318	8.57	PPBV	100
48)	CYCLOHEXANE	11.02	84	538826	7.94	PPBV	100
49)	2,3-DIMETHYLPENTANE	11.20	71	213268	7.48	PPBV	100
50)	TRICHLOROETHYLENE	11.86	95	383882	8.09	PPBV	100
51)	1,2-DICHLOROPROPANE	11.60	63	322300	9.04	PPBV	100
52)	BROMODICHLOROMETHANE	11.85	83	656380	8.50	PPBV	100
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	1362529	7.68	PPBV	100
54)	1,4-DIOXANE	11.92	88	175888	9.21	PPBV	100
55)	METHYL METHACRYLATE	12.06	69	245311	11.29	PPBV	100
56)	HEPTANE	12.02	43	491641	7.94	PPBV	100
58)	METHYL ISOBUTYL KETONE	12.73	43	510965	11.20	PPBV	100
59)	cis-1,3-DICHLOROPROPENE	12.76	75	505441	9.98	PPBV	100
60)	TOLUENE	13.74	92	663052	9.87	PPBV	100
61)	trans-1,3-DICHLOROPROPENE	13.29	75	439196	11.05	PPBV	100
62)	1,1,2-TRICHLOROETHANE	13.48	83	284910	9.63	PPBV	100
64)	2-HEXANONE	13.99	58	247864	13.03	PPBV	97
65)	TETRACHLOROETHYLENE	14.94	164	463142	7.87	PPBV	100
66)	DIBROMOCHLOROMETHANE	14.23	129	712089	9.94	PPBV	100
67)	1,2-DIBROMOETHANE	14.46	107	505986	9.95	PPBV	100
68)	OCTANE	14.66	43	620154	8.40	PPBV	100
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	490649	9.09	PPBV	100
70)	CHLOROBENZENE	15.70	112	705368	9.33	PPBV	100
71)	ETHYLBENZENE	16.06	91	1158253	9.60	PPBV	100
72)	m,p-XYLENE	16.24	106	953853	19.31	PPBV	100
73)	o-XYLENE	16.78	106	480473	9.84	PPBV	100
74)	STYRENE	16.68	104	614984	12.54	PPBV	100
75)	NONANE	16.90	43	567592	9.58	PPBV	100
76)	BROMOFORM	16.41	173	531743	11.02	PPBV	100
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	514596	10.18	PPBV	100
79)	ISOPROPYLBENZENE	17.42	105	1275590	9.26	PPBV	100
80)	2-CHLOROTOLUENE	18.00	126	309126	10.00	PPBV	100
81)	n-PROPYLBENZENE	18.00	120	337381	10.59	PPBV	100
82)	4-ETHYLTOLUENE	18.15	105	1000480	10.82	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	929015	10.57	PPBV	100
84)	TERT-BUTYLBENZENE	18.70	134	254235	10.45	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	786936	10.56	PPBV	100
86)	m-DICHLOROBENZENE	18.92	146	440452	10.95	PPBV	100
87)	BENZYL CHLORIDE	18.92	91	443017	11.97	PPBV	100
88)	p-DICHLOROBENZENE	19.00	146	407680	10.85	PPBV	100
89)	SEC-BUTYLBENZENE	19.01	134	281507	10.60	PPBV	100
90)	p-ISOPROPYLTOLUENE	19.18	134	286057	11.38	PPBV	100
91)	o-DICHLOROBENZENE	19.41	146	429938	10.59	PPBV	100
92)	n-BUTYLBENZENE	19.66	134	210588	11.58	PPBV	100
93)	HEXACHLOROBUTADIENE	21.83	225	279569	11.68	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	21.32	180	123693	11.13	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 14:38:04 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 14:38:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	306364	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1264485	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	492398	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	492398	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	229457	4.81	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	212378	1.72	PPBV		96
4) FREON 152A	4.98	65	38290	1.52	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	20007	1.53	PPBV	#	38
6) PROPYLENE	5.04	41	55290	1.69	PPBV		98
8) FREON 114	5.32	85	221950	1.69	PPBV		97
9) CHLOROMETHANE	5.25	52	19857	1.60	PPBV		93
10) VINYL CHLORIDE	5.44	62	73183	1.69	PPBV		100
11) 1,3-BUTADIENE	5.55	54	52787	1.62	PPBV		93
12) n-BUTANE	5.58	43	122856	1.66	PPBV	#	96
13) BROMOMETHANE	5.80	94	72377	1.60	PPBV		98
14) CHLOROETHANE	5.94	64	33527	1.51	PPBV		98
15) FREON 123	6.35	83	151846	1.59	PPBV	#	96
16) FREON 123A	6.40	117	96181	1.57	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.59	101	194183	1.59	PPBV		99
18) ISOPROPYL ALCOHOL	6.75	45	99946	1.67	PPBV		97
19) ACETONE	6.50	58	19060	1.42	PPBV		94
20) PENTANE	6.85	42	69740	1.57	PPBV		96
23) IODOMETHANE	7.11	142	184283	1.58	PPBV		99
24) 1,1-DICHLOROETHYLENE	7.17	96	62606	1.56	PPBV		99
25) CARBON DISULFIDE	7.56	76	195240	1.73	PPBV		97
26) ETHANOL	6.12	45	23802	1.76	PPBV	#	50
27) BROMOETHENE	6.24	106	71679	1.56	PPBV		97
28) METHYLENE CHLORIDE	7.30	84	51370	1.49	PPBV		99
29) 3-CHLOROPROPENE	7.37	76	24646	1.50	PPBV	#	76
30) FREON 113	7.48	151	111844	1.51	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	59324	1.50	PPBV		94
32) TERTIARY BUTYL ALCOHOL	7.31	59	114330	1.89	PPBV	#	73
33) METHYL TERTIARY BUTYL ETHE	8.36	73	134666	1.46	PPBV		98
34) TETRAHYDROFURAN	9.87	72	18009	1.48	PPBV		91
35) HEXANE	9.18	57	81300	1.61	PPBV		96
36) VINYL ACETATE	8.45	86	7559	1.34	PPBV	#	74
37) 1,1-DICHLOROETHANE	8.32	63	103126	1.54	PPBV		100
38) METHYL ETHYL KETONE	8.73	72	20238	1.74	PPBV	#	88
39) cis-1,2-DICHLOROETHYLENE	9.16	96	58122	1.54	PPBV		99
40) ETHYL ACETATE	9.33	61	7576	1.41	PPBV	#	74
41) CHLOROFORM	9.40	83	118454	1.56	PPBV		96
42) 2,4-DIMETHYLPENTANE	10.03	57	103993	1.62	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.35	97	143999	1.58	PPBV		97
44) CARBON TETRACHLORIDE	10.97	117	149347	1.60	PPBV		97
45) 1,2-DICHLOROETHANE	10.12	62	69757	1.48	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 14:38:04 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 14:38:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

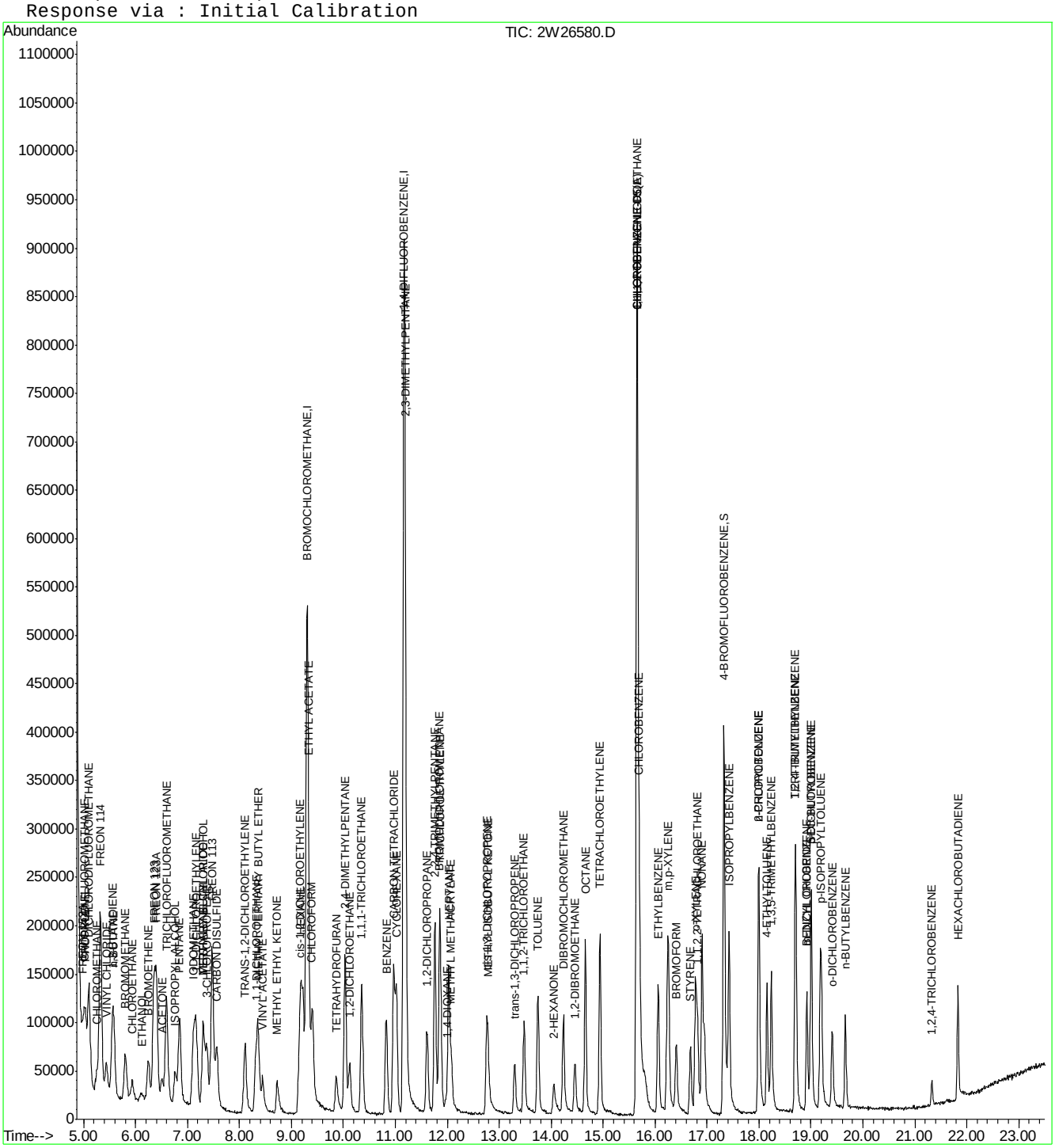
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.83	78	144478	1.47	PPBV		99
48)	CYCLOHEXANE	11.02	84	99961	1.75	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.20	71	37919	1.50	PPBV		79
50)	TRICHLOROETHYLENE	11.86	95	67678	1.57	PPBV		98
51)	1,2-DICHLOROPROPANE	11.61	63	45504	1.41	PPBV		97
52)	BROMODICHLOROMETHANE	11.85	83	102818	1.50	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	259204	1.64	PPBV		98
54)	1,4-DIOXANE	11.99	88	25222	1.39	PPBV	#	72
55)	METHYL METHACRYLATE	12.08	69	31009	1.68	PPBV	#	1
56)	HEPTANE	12.03	43	91491	1.66	PPBV		95
58)	METHYL ISOBUTYL KETONE	12.78	43	64465	1.45	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.76	75	70317	1.46	PPBV		99
60)	TOLUENE	13.74	92	84798	1.37	PPBV		87
61)	trans-1,3-DICHLOROPROPENE	13.30	75	52521	1.43	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.48	83	40613	1.48	PPBV		92
64)	2-HEXANONE	14.05	58	24299	1.43	PPBV		92
65)	TETRACHLOROETHYLENE	14.94	164	75512	1.54	PPBV		99
66)	DIBROMOCHLOROMETHANE	14.24	129	90609	1.46	PPBV		98
67)	1,2-DIBROMOETHANE	14.46	107	65519	1.48	PPBV		97
68)	OCTANE	14.65	43	106260	1.62	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	67233	1.44	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	96895	1.48	PPBV		92
71)	ETHYLBENZENE	16.06	91	156634	1.46	PPBV		96
72)	m,p-XYLENE	16.24	106	125708	2.93	PPBV		88
73)	o-XYLENE	16.78	106	65158	1.52	PPBV		95
74)	STYRENE	16.68	104	61398	1.43	PPBV		98
75)	NONANE	16.90	43	87461	1.66	PPBV		99
76)	BROMOFORM	16.41	173	56128	1.37	PPBV		95
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	73979	1.64	PPBV		95
79)	ISOPROPYLBENZENE	17.42	105	182964	1.52	PPBV		96
80)	2-CHLOROTOLUENE	18.00	126	41556	1.48	PPBV	#	76
81)	n-PROPYLBENZENE	18.00	120	42515	1.49	PPBV	#	60
82)	4-ETHYLTOLUENE	18.15	105	128227	1.57	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	130888	1.68	PPBV		94
84)	TERT-BUTYLBENZENE	18.70	134	32795	1.57	PPBV		82
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	110672	1.66	PPBV		96
86)	m-DICHLOROBENZENE	18.92	146	51371	1.42	PPBV		95
87)	BENZYL CHLORIDE	18.92	91	53616	1.47	PPBV		98
88)	p-DICHLOROBENZENE	19.00	146	52369	1.54	PPBV		96
89)	SEC-BUTYLBENZENE	19.01	134	36588	1.57	PPBV		82
90)	p-ISOPROPYLTOLUENE	19.18	134	34912	1.59	PPBV		82
91)	o-DICHLOROBENZENE	19.41	146	55591	1.50	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	21777	1.40	PPBV		85
93)	HEXACHLOROBUTADIENE	21.83	225	29888	1.45	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.33	180	13230	1.33	PPBV		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 17:06:10 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:06:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.31	128	286455	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.18	114	1282511	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.66	82	593195	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.66	82	593195	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	313306	5.37	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 107.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1893639	16.92	PPBV		97
4) FREON 152A	4.97	65	436251	18.76	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	233310	19.19	PPBV		97
6) PROPYLENE	5.04	41	550256	18.28	PPBV		99
8) FREON 114	5.32	85	1943573	16.43	PPBV		97
9) CHLOROMETHANE	5.26	52	218640	19.01	PPBV		99
10) VINYL CHLORIDE	5.44	62	763759	19.09	PPBV		99
11) 1,3-BUTADIENE	5.55	54	591977	19.57	PPBV		98
12) n-BUTANE	5.58	43	1123735	16.81	PPBV		99
13) BROMOMETHANE	5.80	94	806361	19.19	PPBV		99
14) CHLOROETHANE	5.93	64	431997	20.64	PPBV		100
15) FREON 123	6.35	83	1620528	18.44	PPBV	#	98
16) FREON 123A	6.40	117	1085602	19.08	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.60	101	1988802	17.78	PPBV		97
18) ISOPROPYL ALCOHOL	6.71	45	1184528	20.91	PPBV		99
19) ACETONE	6.47	58	303993	23.45	PPBV		95
20) PENTANE	6.85	42	745750	18.32	PPBV		99
23) IODOMETHANE	7.12	142	2028469	18.81	PPBV		97
24) 1,1-DICHLOROETHYLENE	7.17	96	688922	18.67	PPBV		99
25) CARBON DISULFIDE	7.56	76	1878352	18.10	PPBV		97
26) ETHANOL	6.09	45	293129	19.77	PPBV		99
27) BROMOETHENE	6.25	106	831783	19.50	PPBV		98
28) METHYLENE CHLORIDE	7.30	84	595283	18.66	PPBV		99
29) 3-CHLOROPROPENE	7.38	76	326074	21.01	PPBV		96
30) FREON 113	7.48	151	1206749	17.80	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.11	96	747127	20.16	PPBV		99
32) TERTIARY BUTYL ALCOHOL	7.23	59	1457363	21.48	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.32	73	1877948	21.49	PPBV		98
34) TETRAHYDROFURAN	9.80	72	334013	27.26	PPBV		97
35) HEXANE	9.19	57	901381	19.19	PPBV		99
36) VINYL ACETATE	8.44	86	156291	27.36	PPBV		96
37) 1,1-DICHLOROETHANE	8.32	63	1178192	19.05	PPBV		97
38) METHYL ETHYL KETONE	8.69	72	317795	25.77	PPBV		94
39) cis-1,2-DICHLOROETHYLENE	9.16	96	729767	20.60	PPBV		99
40) ETHYL ACETATE	9.30	61	156956	28.57	PPBV	#	82
41) CHLOROFORM	9.41	83	1433210	20.11	PPBV		97
42) 2,4-DIMETHYLPENTANE	10.04	57	1187562	19.81	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.36	97	1596348	18.92	PPBV		97
44) CARBON TETRACHLORIDE	10.98	117	1599978	18.57	PPBV		98
45) 1,2-DICHLOROETHANE	10.12	62	1044286	23.03	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 17:06:10 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:06:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

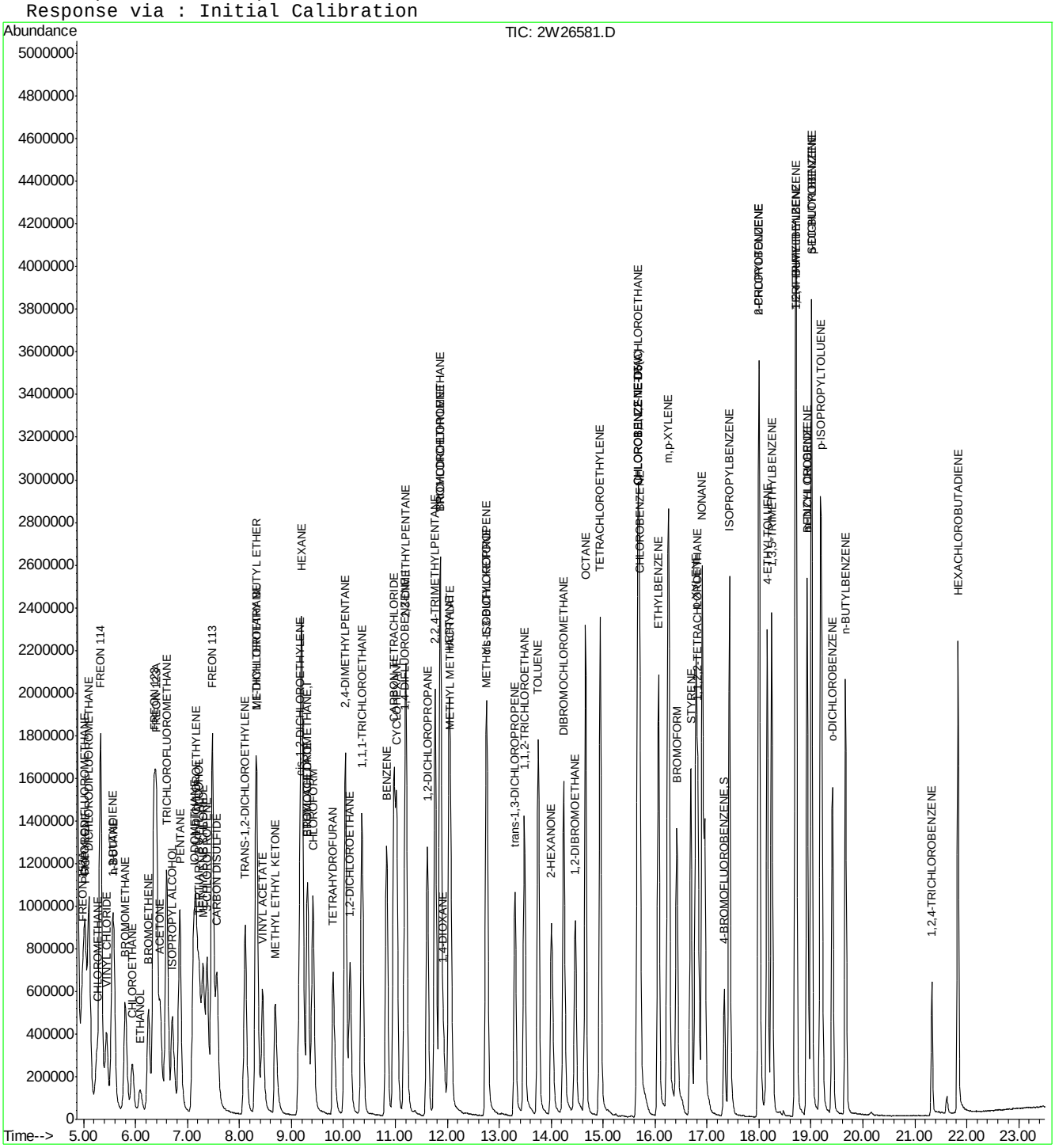
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.84	78	1913764	19.37	PPBV		98
48)	CYCLOHEXANE	11.02	84	1127597	19.59	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.21	71	460012	18.28	PPBV		89
50)	TRICHLOROETHYLENE	11.87	95	798594	18.55	PPBV		99
51)	1,2-DICHLOROPROPANE	11.61	63	687346	20.86	PPBV		99
52)	BROMODICHLOROMETHANE	11.86	83	1325577	19.25	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.77	57	2597864	16.75	PPBV		96
54)	1,4-DIOXANE	11.93	88	406627	21.70	PPBV		96
55)	METHYL METHACRYLATE	12.07	69	584143	27.05	PPBV		90
56)	HEPTANE	12.03	43	1003335	18.23	PPBV		97
58)	METHYL ISOBUTYL KETONE	12.74	43	1122067	23.93	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.76	75	1065181	21.52	PPBV		97
60)	TOLUENE	13.75	92	1391017	21.82	PPBV		95
61)	trans-1,3-DICHLOROPROPENE	13.30	75	984734	25.14	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.49	83	616278	21.76	PPBV		97
64)	2-HEXANONE	14.01	58	604742	27.12	PPBV		99
65)	TETRACHLOROETHYLENE	14.94	164	933519	16.40	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.24	129	1481182	19.81	PPBV		99
67)	1,2-DIBROMOETHANE	14.46	107	1098052	20.52	PPBV		98
68)	OCTANE	14.66	43	1251601	16.43	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	1019132	18.38	PPBV	#	61
70)	CHLOROBENZENE	15.71	112	1450842	18.64	PPBV		96
71)	ETHYLBENZENE	16.07	91	2300347	18.13	PPBV		94
72)	m,p-XYLENE	16.26	106	1985960	38.64	PPBV		87
73)	o-XYLENE	16.79	106	1030966	19.96	PPBV		92
74)	STYRENE	16.68	104	1375967	24.87	PPBV		98
75)	NONANE	16.91	43	1141649	18.31	PPBV		96
76)	BROMOFORM	16.41	173	1159096	22.89	PPBV		98
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	1091449	20.05	PPBV		98
79)	ISOPROPYLBENZENE	17.43	105	2443050	17.27	PPBV		93
80)	2-CHLOROTOLUENE	18.00	126	673138	19.91	PPBV	#	66
81)	n-PROPYLBENZENE	18.00	120	735317	21.16	PPBV		64
82)	4-ETHYLTOLUENE	18.16	105	2037044	20.56	PPBV		94
83)	1,3,5-TRIMETHYLBENZENE	18.25	105	1843857	19.67	PPBV		94
84)	TERT-BUTYLBENZENE	18.70	134	563299	21.97	PPBV		83
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	1610414	20.07	PPBV		95
86)	m-DICHLOROBENZENE	18.93	146	971187	21.89	PPBV		97
87)	BENZYL CHLORIDE	18.92	91	1062393	23.30	PPBV		98
88)	p-DICHLOROBENZENE	19.01	146	910624	21.81	PPBV		98
89)	SEC-BUTYLBENZENE	19.01	134	608792	21.42	PPBV		79
90)	p-ISOPROPYLTOLUENE	19.18	134	647839	23.64	PPBV		85
91)	o-DICHLOROBENZENE	19.41	146	933176	20.71	PPBV		97
92)	n-BUTYLBENZENE	19.67	134	507934	25.64	PPBV		88
93)	HEXACHLOROBUTADIENE	21.83	225	555033	21.93	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.33	180	311622	24.80	PPBV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST JA45062 Laboratories

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 04/08/10 08:50

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:07:49 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	308723	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1317314	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	524561	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	524561	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	224534	4.32	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	31015	0.26	PPBV		98
4) FREON 152A	4.98	65	6692	0.26	PPBV		75
5) CHLORODIFLUOROMETHANE	5.02	67	3972m	0.32	PPBV		
6) PROPYLENE	5.04	41	8621	0.26	PPBV		88
8) FREON 114	5.32	85	33295	0.26	PPBV		94
9) CHLOROMETHANE	5.24	52	3169	0.24	PPBV	#	13
10) VINYL CHLORIDE	5.45	62	10930	0.24	PPBV		96
11) 1,3-BUTADIENE	5.56	54	8279	0.24	PPBV	#	57
12) n-BUTANE	5.58	43	21518	0.30	PPBV	#	96
13) BROMOMETHANE	5.80	94	12594	0.26	PPBV		96
14) CHLOROETHANE	5.94	64	5433	0.23	PPBV	#	47
15) FREON 123	6.35	83	26224	0.27	PPBV	#	99
16) FREON 123A	6.40	117	16811	0.26	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.59	101	31510	0.26	PPBV		98
18) ISOPROPYL ALCOHOL	6.77	45	16317	0.25	PPBV	#	62
19) ACETONE	6.52	58	4856	0.30	PPBV		99
20) PENTANE	6.85	42	11552	0.26	PPBV		93
23) IODOMETHANE	7.12	142	27818	0.24	PPBV		95
24) 1,1-DICHLOROETHYLENE	7.16	96	11525	0.28	PPBV		88
25) CARBON DISULFIDE	7.56	76	29048	0.26	PPBV		87
26) ETHANOL	6.10	45	5189	0.34	PPBV	#	90
27) BROMOETHENE	6.24	106	10922	0.23	PPBV	#	95
28) METHYLENE CHLORIDE	7.30	84	10197	0.29	PPBV		93
29) 3-CHLOROPROPENE	7.37	76	4219	0.24	PPBV	#	54
30) FREON 113	7.47	151	20408	0.27	PPBV		97
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	10842	0.26	PPBV		91
32) TERTIARY BUTYL ALCOHOL	7.33	59	18684	0.24	PPBV	#	70
33) METHYL TERTIARY BUTYL ETHE	8.39	73	28469	0.28	PPBV		95
34) TETRAHYDROFURAN	9.90	72	4061	0.27	PPBV		95
35) HEXANE	9.19	57	13547	0.26	PPBV		88
36) VINYL ACETATE	8.45	86	1594	0.22	PPBV	#	47
37) 1,1-DICHLOROETHANE	8.32	63	19429	0.28	PPBV		90
38) METHYL ETHYL KETONE	8.75	72	4117	0.26	PPBV	#	50
39) cis-1,2-DICHLOROETHYLENE	9.15	96	11370	0.27	PPBV		87
40) ETHYL ACETATE	9.36	61	1825	0.26	PPBV	#	68
41) CHLOROFORM	9.40	83	20713	0.26	PPBV	#	81
42) 2,4-DIMETHYLPENTANE	10.03	57	17138	0.25	PPBV		96
43) 1,1,1-TRICHLOROETHANE	10.35	97	25164	0.27	PPBV		97
44) CARBON TETRACHLORIDE	10.96	117	24398	0.26	PPBV		97
45) 1,2-DICHLOROETHANE	10.12	62	14197	0.26	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:07:49 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	28334	0.26	PPBV		98
48)	CYCLOHEXANE	11.02	84	16686	0.26	PPBV		97
49)	2,3-DIMETHYLPENTANE	11.18	71	7475	0.28	PPBV	#	1
50)	TRICHLOROETHYLENE	11.86	95	12256	0.26	PPBV		92
51)	1,2-DICHLOROPROPANE	11.61	63	9073	0.25	PPBV		96
52)	BROMODICHLOROMETHANE	11.84	83	18561	0.25	PPBV	#	95
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	41578	0.26	PPBV		98
54)	1,4-DIOXANE	12.02	88	5684	0.26	PPBV	#	1
55)	METHYL METHACRYLATE	12.08	69	4469	0.18	PPBV	#	53
56)	HEPTANE	12.02	43	14908	0.25	PPBV		87
58)	METHYL ISOBUTYL KETONE	12.82	43	10101	0.19	PPBV	#	46
59)	cis-1,3-DICHLOROPROPENE	12.75	75	12636	0.23	PPBV		93
60)	TOLUENE	13.75	92	18022	0.25	PPBV		94
61)	trans-1,3-DICHLOROPROPENE	13.29	75	8169	0.19	PPBV		89
62)	1,1,2-TRICHLOROETHANE	13.48	83	7226	0.23	PPBV		95
64)	2-HEXANONE	14.06	58	3378	0.15	PPBV	#	71
65)	TETRACHLOROETHYLENE	14.94	164	12581	0.25	PPBV		98
66)	DIBROMOCHLOROMETHANE	14.24	129	14256	0.21	PPBV		93
67)	1,2-DIBROMOETHANE	14.46	107	10902	0.22	PPBV		91
68)	OCTANE	14.66	43	15823	0.24	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	12146	0.24	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	16477	0.24	PPBV		99
71)	ETHYLBENZENE	16.06	91	30289	0.26	PPBV		95
72)	m,p-XYLENE	16.26	106	23789	0.50	PPBV	#	88
73)	o-XYLENE	16.79	106	12118	0.25	PPBV		90
74)	STYRENE	16.68	104	9697	0.18	PPBV		94
75)	NONANE	16.91	43	13653	0.24	PPBV		94
76)	BROMOFORM	16.41	173	9390	0.20	PPBV		92
78)	1,1,2,2-TETRACHLOROETHANE	16.81	83	12399	0.24	PPBV		96
79)	ISOPROPYLBENZENE	17.43	105	36600	0.28	PPBV		98
80)	2-CHLOROTOLUENE	18.00	126	7779	0.25	PPBV	#	86
81)	n-PROPYLBENZENE	18.00	120	7098	0.22	PPBV	#	46
82)	4-ETHYLTOLUENE	18.15	105	18348	0.20	PPBV		95
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	20231	0.23	PPBV		93
84)	TERT-BUTYLBENZENE	18.70	134	4726	0.20	PPBV	#	50
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	18689	0.25	PPBV		99
86)	m-DICHLOROBENZENE	18.92	146	8108	0.20	PPBV		97
87)	BENZYL CHLORIDE	18.92	91	9383	0.22	PPBV		94
88)	p-DICHLOROBENZENE	19.00	146	9139	0.23	PPBV		90
89)	SEC-BUTYLBENZENE	19.01	134	5706	0.21	PPBV		74
90)	p-ISOPROPYLTOLUENE	19.18	134	5274	0.20	PPBV		82
91)	o-DICHLOROBENZENE	19.41	146	9973	0.24	PPBV		100
92)	n-BUTYLBENZENE	19.66	134	3749	0.20	PPBV	#	62
93)	HEXACHLOROBUTADIENE	21.83	225	5554	0.23	PPBV		91
94)	1,2,4-TRICHLOROBENZENE	21.32	180	3650	0.30	PPBV	#	73

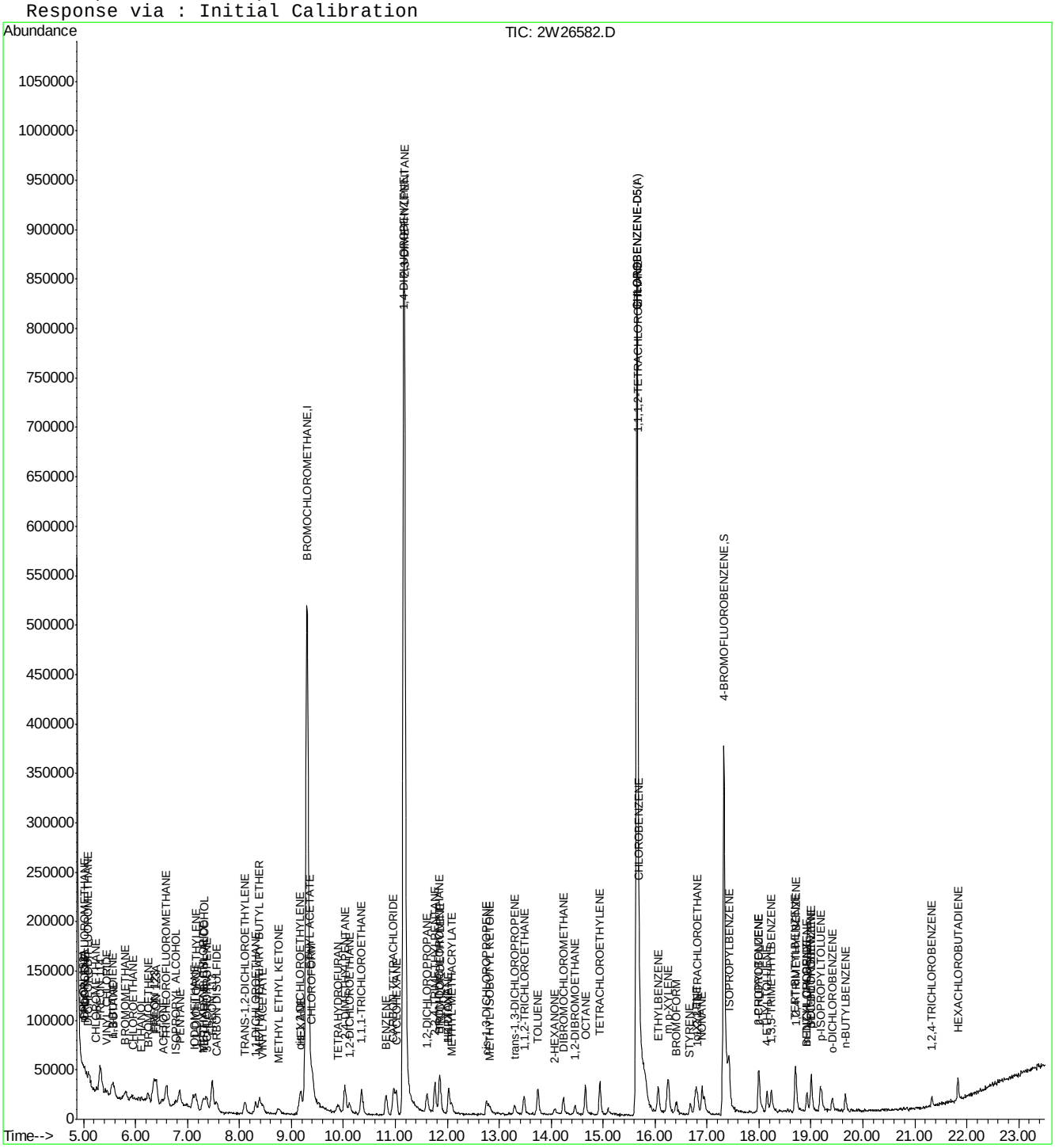
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:22 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration

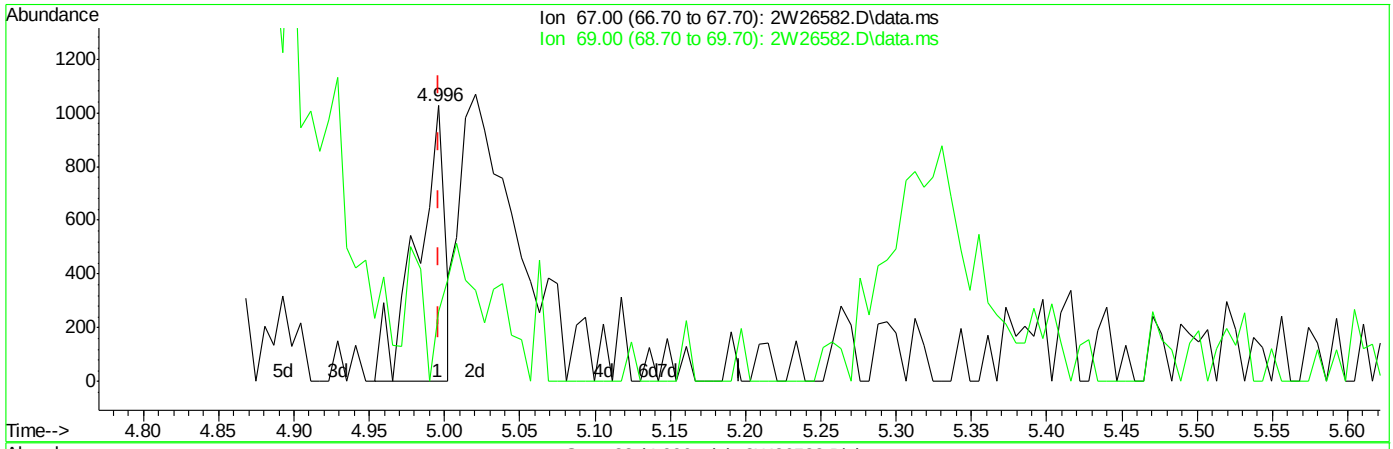


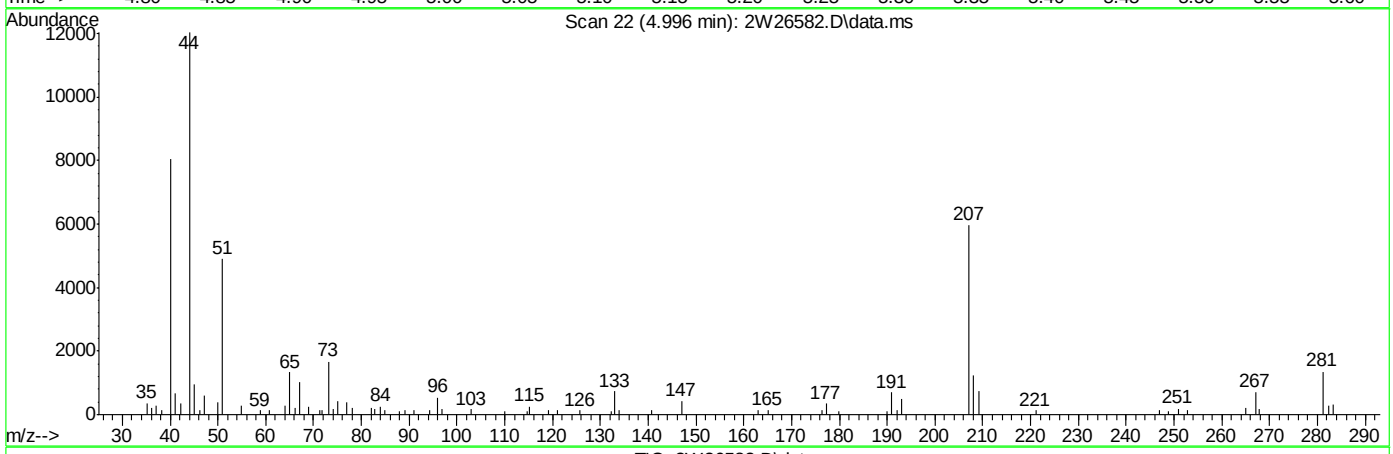
ACCUTEST JA45062 Laboratories

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2W\
Data File : 2W26582.D
Acq On : 5 Apr 2010 5:06 pm
Operator : yunxiac
Sample : ic1118-0.2
Misc : MS94636,V2W1118,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 07 10:05:00 2010
Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M
Quant Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration





TIC: 2W26582.D\data.ms

(5) CHLORODIFLUOROMETHANE

4.996min (-0.000) 0.11PPBV

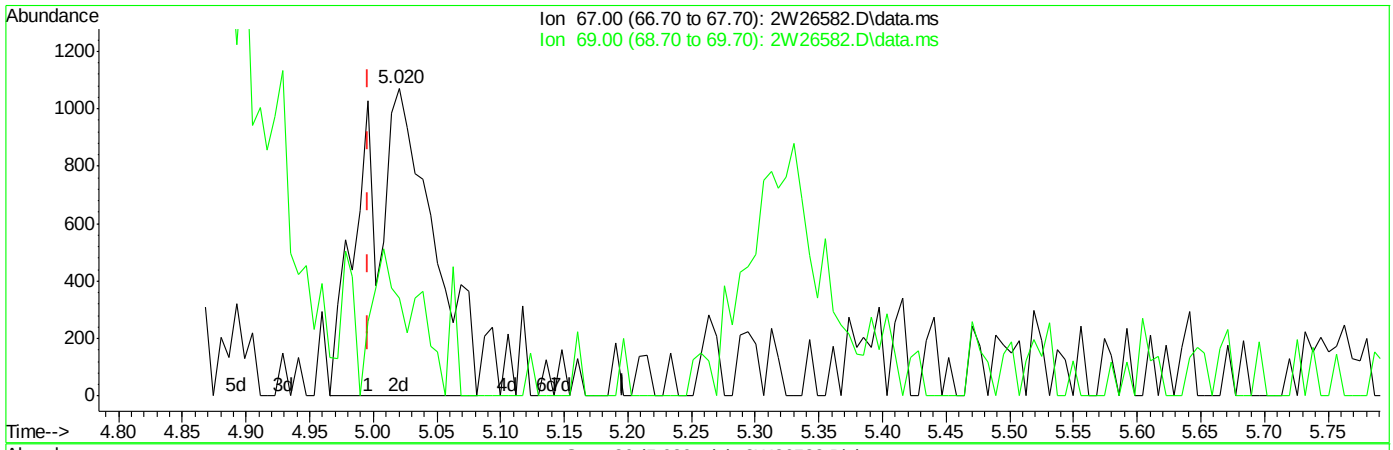
response 1334

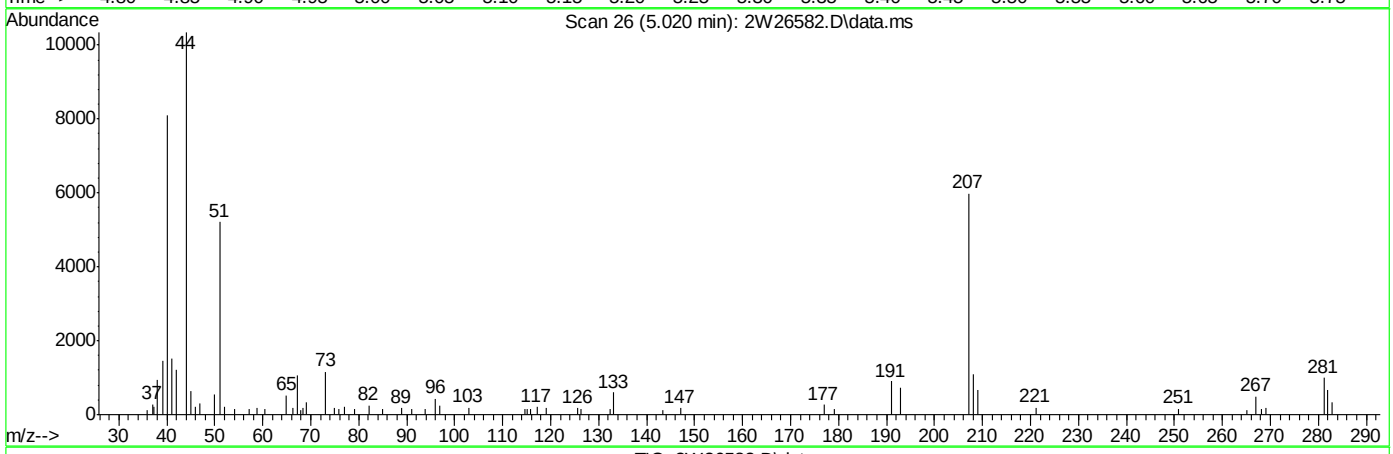
Ion	Exp%	Act%
67.00	100	100
69.00	36.70	25.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2W\2w-need print\
Data File : 2W26582.D
Acq On : 5 Apr 2010 5:06 pm
Operator : yunxiac
Sample : ic1118-0.2
Misc : MS94636,V2W1118,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 07 10:05:48 2010
Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M
Quant Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration





TIC: 2W26582.D\data.ms

(5) CHLORODIFLUOROMETHANE

5.020min (+0.024) 0.32PPBV m

response 3972

Ion	Exp%	Act%
67.00	100	100
69.00	36.70	8.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:16:30 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:16:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.31	128	308704	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1339907	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	520785	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	520785	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	215447	4.17	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	15369	0.13	PPBV		94
4) FREON 152A	4.98	65	3904	0.15	PPBV	#	42
5) CHLORODIFLUOROMETHANE	5.00	67	1826	0.15	PPBV		87
6) PROPYLENE	5.04	41	3853	0.12	PPBV	#	71
8) FREON 114	5.33	85	16745	0.13	PPBV		96
9) CHLOROMETHANE	5.27	52	1367	0.11	PPBV	#	1
10) VINYL CHLORIDE	5.45	62	5162	0.12	PPBV	#	53
11) 1,3-BUTADIENE	5.56	54	4383	0.13	PPBV	#	42
12) n-BUTANE	5.58	43	9682	0.13	PPBV	#	71
13) BROMOMETHANE	5.81	94	5534	0.12	PPBV		85
14) CHLOROETHANE	5.93	64	2819	0.12	PPBV	#	72
15) FREON 123	6.36	83	13251	0.14	PPBV	#	90
16) FREON 123A	6.40	117	8549	0.13	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	15867	0.13	PPBV		98
18) ISOPROPYL ALCOHOL	6.85	45	6850	0.10	PPBV	#	1
19) ACETONE	6.53	58	1965	0.12	PPBV	#	83
20) PENTANE	6.86	42	5695	0.13	PPBV	#	71
23) IODOMETHANE	7.13	142	14507	0.12	PPBV	#	75
24) 1,1-DICHLOROETHYLENE	7.19	96	6035	0.14	PPBV	#	74
25) CARBON DISULFIDE	7.58	76	14300	0.13	PPBV		99
27) BROMOETHENE	6.26	106	3723	0.08	PPBV	#	66
28) METHYLENE CHLORIDE	7.30	84	5937	0.17	PPBV		97
29) 3-CHLOROPROPENE	7.37	76	1507	0.09	PPBV	#	16
30) FREON 113	7.49	151	10172	0.14	PPBV	#	63
31) TRANS-1,2-DICHLOROETHYLENE	8.12	96	2582	0.06	PPBV	#	5
32) TERTIARY BUTYL ALCOHOL	7.44	59	7642	0.10	PPBV	#	62
33) METHYL TERTIARY BUTYL ETHE	8.43	73	15165	0.15	PPBV		90
34) TETRAHYDROFURAN	9.95	72	1681	0.11	PPBV	#	1
35) HEXANE	9.19	57	6459	0.12	PPBV		91
37) 1,1-DICHLOROETHANE	8.32	63	8946	0.13	PPBV		94
38) METHYL ETHYL KETONE	8.79	72	1057	0.07	PPBV	#	39
39) cis-1,2-DICHLOROETHYLENE	9.16	96	5871	0.14	PPBV	#	73
40) ETHYL ACETATE	9.39	61	771	0.11	PPBV	#	47
41) CHLOROFORM	9.41	83	9175	0.11	PPBV	#	84
42) 2,4-DIMETHYLPENTANE	10.03	57	3568	0.05	PPBV	#	1
43) 1,1,1-TRICHLOROETHANE	10.36	97	12376	0.13	PPBV		96
44) CARBON TETRACHLORIDE	10.98	117	12561	0.13	PPBV		95
45) 1,2-DICHLOROETHANE	10.12	62	6486	0.12	PPBV		91
47) BENZENE	10.82	78	12582	0.12	PPBV		94
48) CYCLOHEXANE	11.02	84	9308	0.14	PPBV		94

(#) = qualifier out of range (m) = manual integration
2W26583.D M2W1118.M Wed Apr 07 09:27:31 2010 MS2W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:16:30 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:16:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

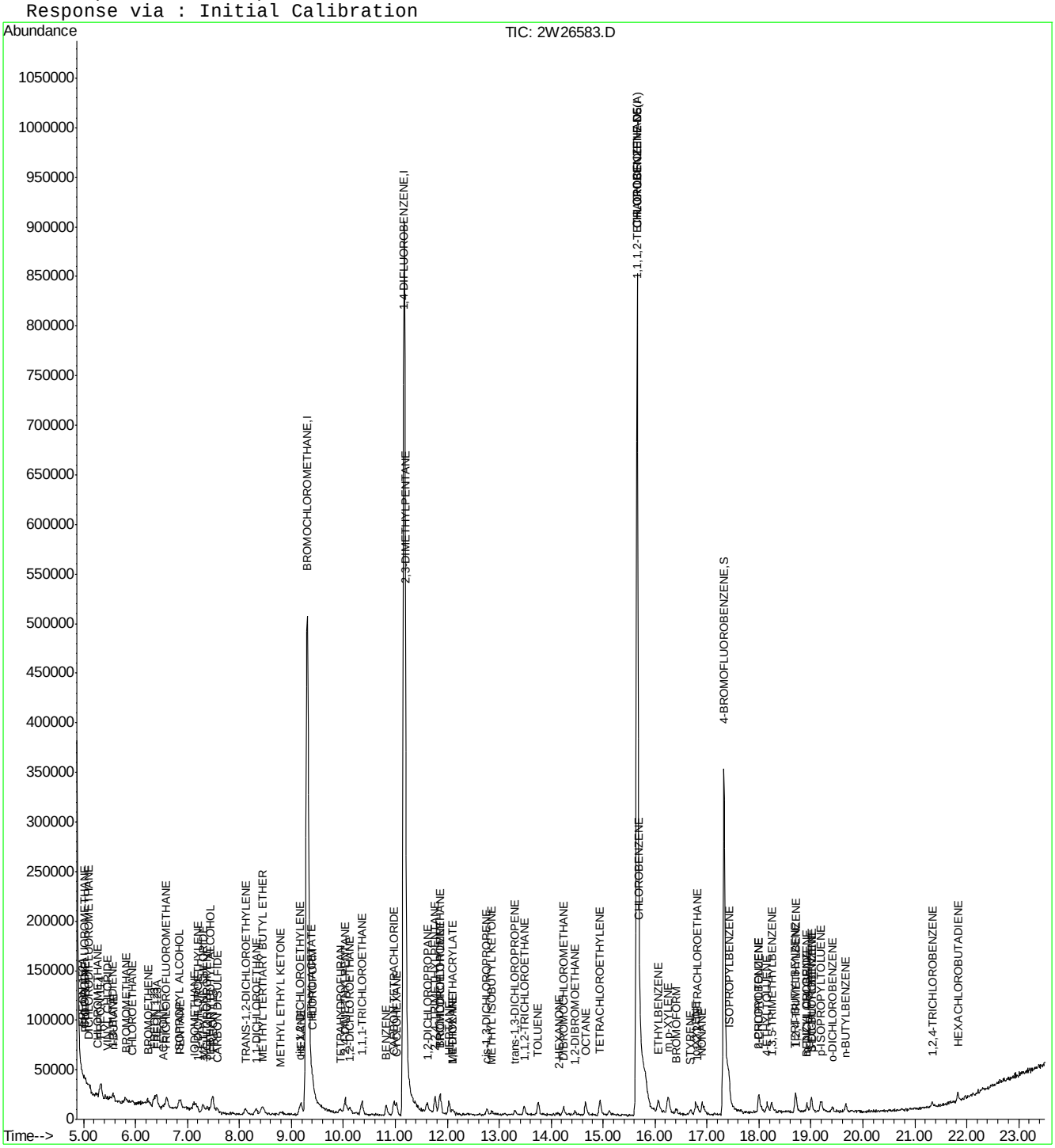
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	2,3-DIMETHYLPENTANE	11.20	71	2406	0.09	PPBV	#	1
50)	TRICHLOROETHYLENE	11.86	95	6337	0.13	PPBV		89
51)	1,2-DICHLOROPROPANE	11.63	63	4835	0.13	PPBV		90
52)	BROMODICHLOROMETHANE	11.85	83	10192	0.14	PPBV		86
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	21540	0.13	PPBV		96
54)	1,4-DIOXANE	12.11	88	2420	0.11	PPBV	#	81
55)	METHYL METHACRYLATE	12.11	69	1895	0.07	PPBV	#	1
56)	HEPTANE	12.03	43	6952	0.12	PPBV		93
58)	METHYL ISOBUTYL KETONE	12.84	43	3427	0.06	PPBV	#	69
59)	cis-1,3-DICHLOROPROPENE	12.76	75	5844	0.11	PPBV		86
60)	TOLUENE	13.75	92	8717	0.12	PPBV		97
61)	trans-1,3-DICHLOROPROPENE	13.29	75	4254	0.10	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.48	83	3292	0.10	PPBV		97
64)	2-HEXANONE	14.15	58	920	0.04	PPBV	#	1
65)	TETRACHLOROETHYLENE	14.94	164	6225	0.13	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.24	129	6891	0.10	PPBV		92
67)	1,2-DIBROMOETHANE	14.46	107	4850	0.10	PPBV		93
68)	OCTANE	14.66	43	7946	0.12	PPBV		90
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	5567	0.11	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	7842	0.11	PPBV	#	38
71)	ETHYLBENZENE	16.06	91	13090	0.11	PPBV		96
72)	m,p-XYLENE	16.24	106	10234	0.22	PPBV		91
73)	o-XYLENE	16.78	106	5631	0.12	PPBV		98
74)	STYRENE	16.67	104	3999	0.08	PPBV	#	32
75)	NONANE	16.91	43	5617	0.10	PPBV		91
76)	BROMOFORM	16.41	173	4134	0.09	PPBV		88
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	5081	0.10	PPBV	#	92
79)	ISOPROPYLBENZENE	17.43	105	14592	0.11	PPBV		94
80)	2-CHLOROTOLUENE	18.00	126	3355	0.11	PPBV	#	86
81)	n-PROPYLBENZENE	17.99	120	2383	0.07	PPBV	#	1
82)	4-ETHYLTOLUENE	18.15	105	8847	0.10	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	9067	0.11	PPBV		81
84)	TERT-BUTYLBENZENE	18.70	134	2081	0.09	PPBV	#	63
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	8115	0.11	PPBV		91
86)	m-DICHLOROBENZENE	18.92	146	3846	0.10	PPBV		85
87)	BENZYL CHLORIDE	18.92	91	3848	0.09	PPBV		85
88)	p-DICHLOROBENZENE	19.01	146	3935	0.10	PPBV		83
89)	SEC-BUTYLBENZENE	19.01	134	2136	0.08	PPBV	#	54
90)	p-ISOPROPYLTOLUENE	19.18	134	2077	0.08	PPBV		80
91)	o-DICHLOROBENZENE	19.41	146	4219	0.10	PPBV	#	68
92)	n-BUTYLBENZENE	19.68	134	1545	0.08	PPBV	#	61
93)	HEXACHLOROBUTADIENE	21.83	225	2393	0.10	PPBV		89
94)	1,2,4-TRICHLOROBENZENE	21.34	180	2640	0.21	PPBV		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:26 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:17:14 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:17:08 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	280710	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1155169	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	458858	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	458858	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	186823	4.19	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	6388	0.06	PPBV		99
4) FREON 152A	4.98	65	809	0.03	PPBV	#	52
5) CHLORODIFLUOROMETHANE	4.99	67	584	0.05	PPBV	#	1
8) FREON 114	5.32	85	6109	0.05	PPBV	#	78
10) VINYL CHLORIDE	5.43	62	981	0.02	PPBV	#	37
11) 1,3-BUTADIENE	5.55	54	1322	0.04	PPBV	#	15
12) n-BUTANE	5.57	43	5760	0.08	PPBV	#	85
13) BROMOMETHANE	5.81	94	2866	0.06	PPBV	#	12
15) FREON 123	6.35	83	4324	0.05	PPBV	#	92
16) FREON 123A	6.40	117	2863	0.05	PPBV	#	36
17) TRICHLOROFLUOROMETHANE	6.60	101	5739	0.05	PPBV	#	64
18) ISOPROPYL ALCOHOL	6.80	45	2486	0.04	PPBV	#	1
19) ACETONE	6.55	58	430	0.03	PPBV		98
23) IODOMETHANE	7.12	142	4898	0.04	PPBV		94
24) 1,1-DICHLOROETHYLENE	7.16	96	2389	0.06	PPBV	#	60
25) CARBON DISULFIDE	7.56	76	5384	0.05	PPBV	#	86
27) BROMOETHENE	6.25	106	1763	0.04	PPBV		91
28) METHYLENE CHLORIDE	7.29	84	2435	0.07	PPBV	#	9
29) 3-CHLOROPROPENE	7.36	76	1031	0.07	PPBV	#	56
30) FREON 113	7.46	151	3364	0.05	PPBV	#	36
31) TRANS-1,2-DICHLOROETHYLENE	8.13	96	2162	0.06	PPBV	#	1
33) METHYL TERTIARY BUTYL ETHE	8.41	73	2835	0.03	PPBV		86
35) HEXANE	9.18	57	1363	0.03	PPBV	#	79
37) 1,1-DICHLOROETHANE	8.31	63	2766	0.04	PPBV		96
39) cis-1,2-DICHLOROETHYLENE	9.16	96	1929	0.05	PPBV	#	75
41) CHLOROFORM	9.40	83	3340	0.04	PPBV	#	86
42) 2,4-DIMETHYLPENTANE	10.03	57	2696	0.05	PPBV	#	88
43) 1,1,1-TRICHLOROETHANE	10.35	97	4378	0.05	PPBV		95
44) CARBON TETRACHLORIDE	10.97	117	4194	0.05	PPBV	#	79
45) 1,2-DICHLOROETHANE	10.13	62	2014	0.04	PPBV	#	95
47) BENZENE	10.82	78	4213	0.04	PPBV		81
48) CYCLOHEXANE	11.04	84	1246	0.02	PPBV	#	31
49) 2,3-DIMETHYLPENTANE	11.19	71	2198	0.10	PPBV	#	1
50) TRICHLOROETHYLENE	11.86	95	2259	0.05	PPBV	#	82
52) BROMODICHLOROMETHANE	11.84	83	2840	0.04	PPBV		93
53) 2,2,4-TRIMETHYLPENTANE	11.77	57	6617	0.05	PPBV		87
55) METHYL METHACRYLATE	12.10	69	565	0.03	PPBV	#	1
56) HEPTANE	12.02	43	3518	0.07	PPBV	#	68
60) TOLUENE	13.75	92	2195	0.03	PPBV	#	79
61) trans-1,3-DICHLOROPROPENE	13.28	75	1572	0.04	PPBV	#	32

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:17:14 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:17:08 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

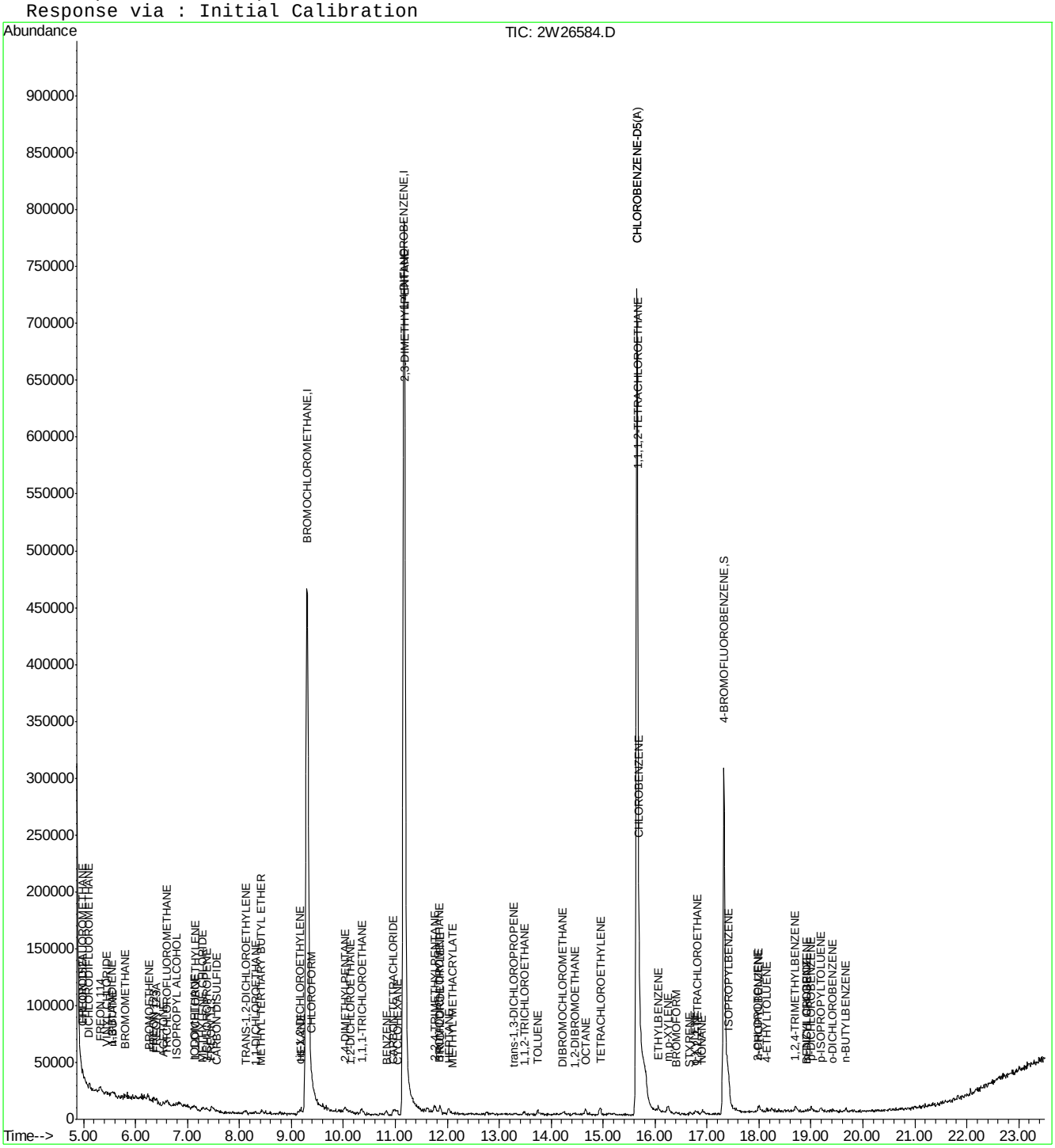
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62) 1,1,2-TRICHLOROETHANE	13.48	83	866	0.03	PPBV	#	46
65) TETRACHLOROETHYLENE	14.95	164	2049	0.05	PPBV	#	42
66) DIBROMOCHLOROMETHANE	14.22	129	1966	0.03	PPBV		88
67) 1,2-DIBROMOETHANE	14.46	107	1306	0.03	PPBV	#	85
68) OCTANE	14.65	43	2488	0.04	PPBV	#	85
69) 1,1,1,2-TETRACHLOROETHANE	15.67	131	1670	0.04	PPBV	#	1
70) CHLOROBENZENE	15.69	112	1886	0.03	PPBV	#	47
71) ETHYLBENZENE	16.06	91	3820	0.04	PPBV	#	50
72) m,p-XYLENE	16.24	106	3185	0.08	PPBV	#	81
73) o-XYLENE	16.76	106	1026	0.02	PPBV	#	34
74) STYRENE	16.67	104	950	0.02	PPBV	#	65
75) NONANE	16.91	43	1784	0.04	PPBV	#	79
76) BROMOFORM	16.41	173	1122	0.03	PPBV	#	74
78) 1,1,2,2-TETRACHLOROETHANE	16.82	83	1171	0.03	PPBV		84
79) ISOPROPYLBENZENE	17.42	105	3934	0.03	PPBV		86
80) 2-CHLOROTOLUENE	17.98	126	1183	0.04	PPBV	#	65
81) n-PROPYLBENZENE	18.00	120	662	0.02	PPBV	#	1
82) 4-ETHYLTOLUENE	18.15	105	2351	0.03	PPBV	#	88
85) 1,2,4-TRIMETHYLBENZENE	18.71	105	2343	0.04	PPBV	#	87
86) m-DICHLOROBENZENE	18.92	146	1009	0.03	PPBV	#	54
87) BENZYL CHLORIDE	18.92	91	1329	0.04	PPBV		67
88) p-DICHLOROBENZENE	19.00	146	1407	0.04	PPBV	#	77
90) p-ISOPROPYLTOLUENE	19.18	134	627	0.03	PPBV		82
91) o-DICHLOROBENZENE	19.41	146	1326	0.04	PPBV		97
92) n-BUTYLBENZENE	19.66	134	516	0.03	PPBV		82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:33 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 06:16:18 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:33:15 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.32	128	268015	10.00	PPBV		0.02
46) 1,4-DIFLUOROBENZENE	11.18	114	1197825	10.00	PPBV		0.02
63) CHLOROBENZENE-D5	15.66	82	637497	10.00	PPBV		0.01
95) CHLOROBENZENE-D5(A)	15.66	82	637369	10.00	PPBV		0.01
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.34	95	332891	5.32	PPBV		0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	3358988	30.98	PPBV		91
4) FREON 152A	4.98	65	870260	38.39	PPBV		96
5) CHLORODIFLUOROMETHANE	5.02	67	484196	46.56	PPBV		96
6) PROPYLENE	5.04	41	1034788	35.13	PPBV		96
8) FREON 114	5.32	85	3259692	28.42	PPBV		91
9) CHLOROMETHANE	5.26	52	440893	39.05	PPBV		90
10) VINYL CHLORIDE	5.44	62	1452593	37.00	PPBV		97
11) 1,3-BUTADIENE	5.55	54	1155094	38.93	PPBV		95
12) n-BUTANE	5.58	43	2025434	31.11	PPBV		96
13) BROMOMETHANE	5.81	94	1526294	36.28	PPBV		97
14) CHLOROETHANE	5.94	64	861417	42.21	PPBV		99
15) FREON 123	6.35	83	2827649	32.58	PPBV	#	94
16) FREON 123A	6.41	117	2019922	35.88	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	3457657	31.51	PPBV		92
18) ISOPROPYL ALCOHOL	6.71	45	2432864	42.71	PPBV		98
19) ACETONE	6.47	58	626431	44.80	PPBV		91
20) PENTANE	6.85	42	1427425	36.08	PPBV		99
23) IODOMETHANE	7.12	142	3452182	32.94	PPBV		90
24) 1,1-DICHLOROETHYLENE	7.17	96	1278876	34.49	PPBV		97
25) CARBON DISULFIDE	7.57	76	3248449	31.99	PPBV		92
26) ETHANOL	6.09	45	638733	50.42	PPBV		99
27) BROMOETHENE	6.25	106	1556448	37.56	PPBV		97
28) METHYLENE CHLORIDE	7.30	84	1121453	35.86	PPBV		98
29) 3-CHLOROPROPENE	7.37	76	621868	41.06	PPBV		96
30) FREON 113	7.48	151	2136140	31.88	PPBV		97
31) TRANS-1,2-DICHLOROETHYLENE	8.12	96	1415077	38.23	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.23	59	2750946	40.09	PPBV		94
33) METHYL TERTIARY BUTYL ETHE	8.32	73	3369575	37.40	PPBV		95
34) TETRAHYDROFURAN	9.80	72	508751	38.34	PPBV	#	75
35) HEXANE	9.19	57	1633681	35.13	PPBV		99
36) VINYL ACETATE	8.45	86	329616	54.65	PPBV	#	76
37) 1,1-DICHLOROETHANE	8.32	63	2089704	33.61	PPBV		92
38) METHYL ETHYL KETONE	8.69	72	685851	51.64	PPBV	#	78
39) cis-1,2-DICHLOROETHYLENE	9.16	96	1369765	37.85	PPBV		98
40) ETHYL ACETATE	9.30	61	327682	57.56	PPBV	#	77
41) CHLOROFORM	9.42	83	2596349	36.53	PPBV		92
42) 2,4-DIMETHYLPENTANE	10.04	57	2160963	36.34	PPBV		97
43) 1,1,1-TRICHLOROETHANE	10.36	97	2782725	33.22	PPBV		91
44) CARBON TETRACHLORIDE	10.98	117	2761246	32.48	PPBV		94
45) 1,2-DICHLOROETHANE	10.13	62	1965968	41.77	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 06:16:18 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:33:15 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

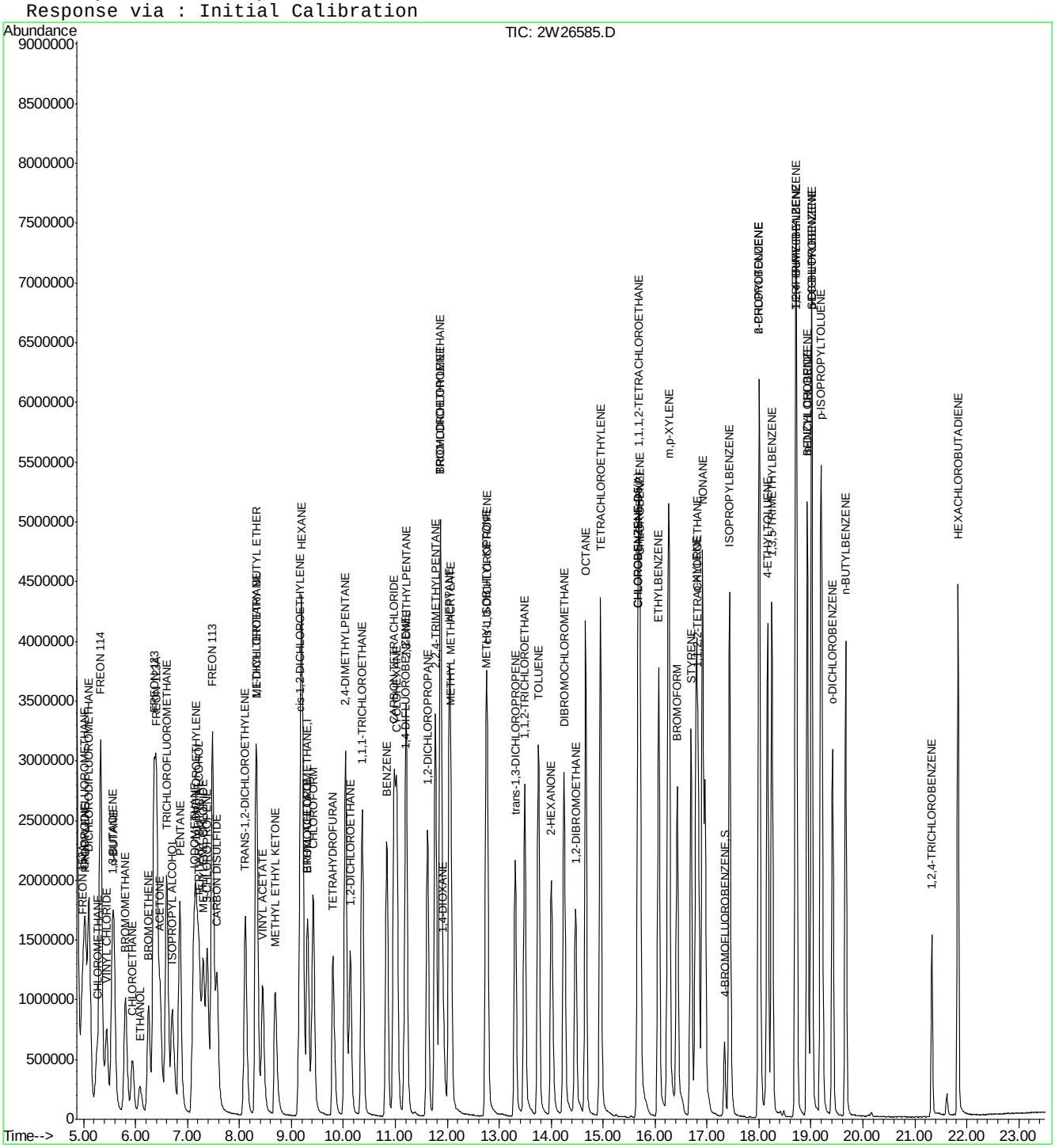
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.84	78	3319921	33.26	PPBV		92
48)	CYCLOHEXANE	11.03	84	2134989	36.18	PPBV		97
49)	2,3-DIMETHYLPENTANE	11.21	71	913302	37.31	PPBV		80
50)	TRICHLOROETHYLENE	11.88	95	1491107	34.61	PPBV		97
51)	1,2-DICHLOROPROPANE	11.62	63	1296274	39.40	PPBV		94
52)	BROMODICHLOROMETHANE	11.86	83	2340993	34.03	PPBV		93
53)	2,2,4-TRIMETHYLPENTANE	11.77	57	4103006	26.83	PPBV		86
54)	1,4-DIOXANE	11.93	88	891462	46.14	PPBV		97
55)	METHYL METHACRYLATE	12.07	69	1210102	55.20	PPBV		81
56)	HEPTANE	12.03	43	1803452	32.79	PPBV		92
58)	METHYL ISOBUTYL KETONE	12.74	43	2231437	47.28	PPBV		91
59)	cis-1,3-DICHLOROPROPENE	12.77	75	1971483	40.15	PPBV		91
60)	TOLUENE	13.76	92	2535921	38.84	PPBV		86
61)	trans-1,3-DICHLOROPROPENE	13.31	75	1922001	49.71	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.49	83	1185071	41.94	PPBV		98
64)	2-HEXANONE	14.00	58	1337343	52.76	PPBV		92
65)	TETRACHLOROETHYLENE	14.95	164	1680574	26.24	PPBV		94
66)	DIBROMOCHLOROMETHANE	14.25	129	2693491	32.02	PPBV		96
67)	1,2-DIBROMOETHANE	14.47	107	2112392	34.47	PPBV		96
68)	OCTANE	14.66	43	2196477	25.93	PPBV		90
69)	1,1,1,2-TETRACHLOROETHANE	15.68	131	1837041	29.07	PPBV	#	43
70)	CHLOROBENZENE	15.72	112	2554695	28.92	PPBV		89
71)	ETHYLBENZENE	16.07	91	3755607	25.18	PPBV		82
72)	m,p-XYLENE	16.26	106	3585412	59.60	PPBV	#	67
73)	o-XYLENE	16.79	106	1910364	31.48	PPBV	#	81
74)	STYRENE	16.69	104	2838616	45.17	PPBV		98
75)	NONANE	16.91	43	1997140	27.48	PPBV		89
76)	BROMOFORM	16.43	173	2239335	38.64	PPBV		93
78)	1,1,2,2-TETRACHLOROETHANE	16.83	83	2003781	31.43	PPBV		93
79)	ISOPROPYLBENZENE	17.43	105	3789616	22.45	PPBV		80
80)	2-CHLOROTOLUENE	18.00	126	1311288	33.51	PPBV	#	24
81)	n-PROPYLBENZENE	18.00	120	1397325	34.39	PPBV	#	23
82)	4-ETHYLTOLUENE	18.16	105	3278100	28.83	PPBV		81
83)	1,3,5-TRIMETHYLBENZENE	18.25	105	2970260	26.91	PPBV		84
84)	TERT-BUTYLBENZENE	18.71	134	1098032	36.92	PPBV	#	60
85)	1,2,4-TRIMETHYLBENZENE	18.72	105	2674433	28.10	PPBV		89
86)	m-DICHLOROBENZENE	18.93	146	1849757	37.46	PPBV		91
87)	BENZYL CHLORIDE	18.93	91	2061765	40.44	PPBV		92
88)	p-DICHLOROBENZENE	19.01	146	1750383	36.28	PPBV		92
89)	SEC-BUTYLBENZENE	19.02	134	1137242	34.17	PPBV	#	51
90)	p-ISOPROPYLTOLUENE	19.19	134	1239315	38.41	PPBV	#	63
91)	o-DICHLOROBENZENE	19.41	146	1727360	33.04	PPBV		92
92)	n-BUTYLBENZENE	19.67	134	1026004	44.70	PPBV	#	72
93)	HEXACHLOROBUTADIENE	21.84	225	1046051	34.54	PPBV		95
94)	1,2,4-TRICHLOROBENZENE	21.33	180	704779	49.80	PPBV		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:35 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26587.D Vial: 7
Acq On : 5 Apr 2010 10:06 pm Operator: yunxiac
Sample : nap-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:10:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:10:23 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

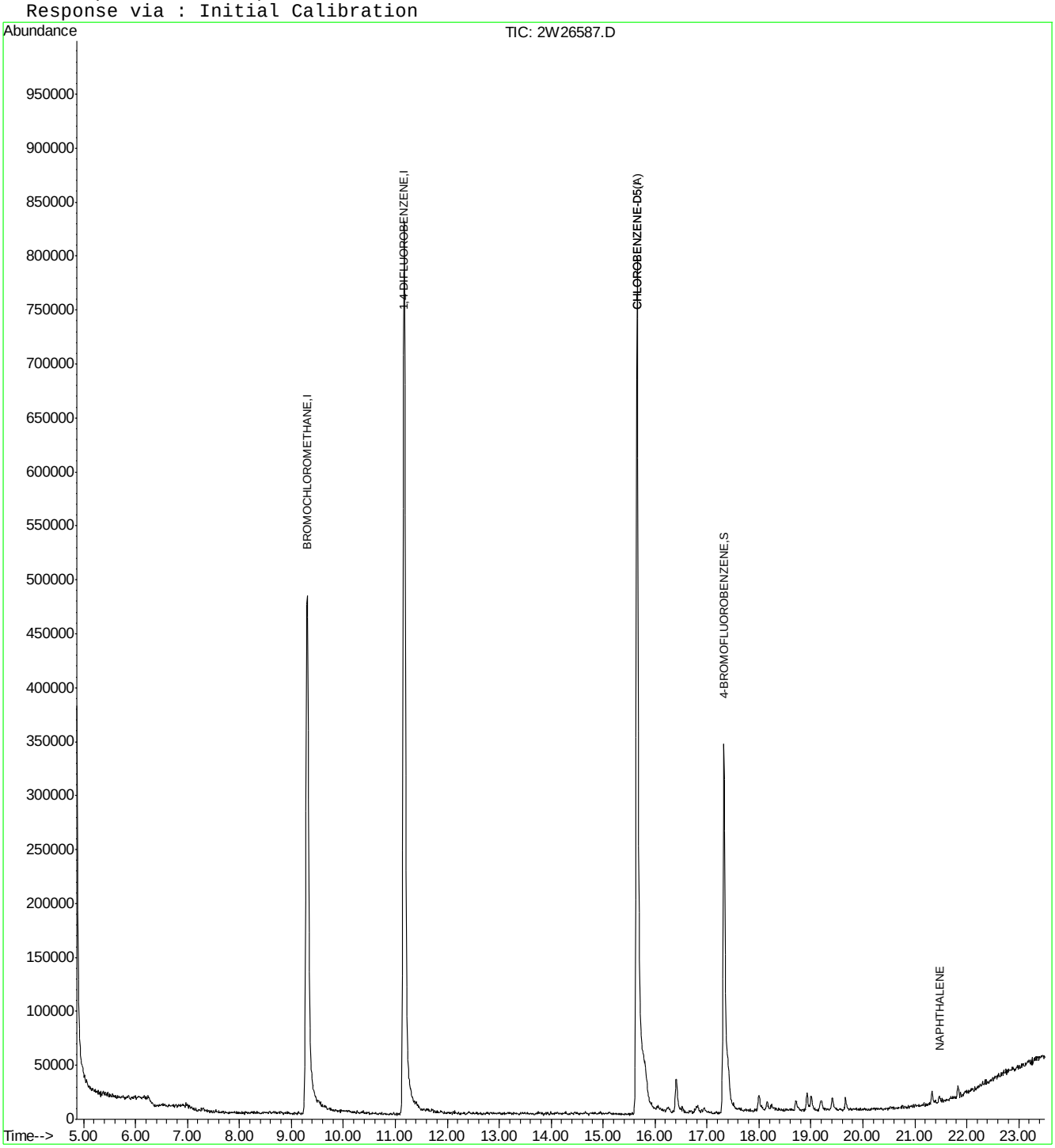
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	292745	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1233631	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	518707	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	518707	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	220001	4.45	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.48	128	4634	0.16	PPBV	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26587.D Vial: 7
Acq On : 5 Apr 2010 10:06 pm Operator: yunxiac
Sample : nap-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:44:57 2010
Response via : Initial Calibration



2W26587.D M2W1118.M Wed Apr 07 09:58:02 2010 MS2W Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26588.D Vial: 7
Acq On : 5 Apr 2010 10:49 pm Operator: yunxiac
Sample : nap-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:10:27 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:10:23 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

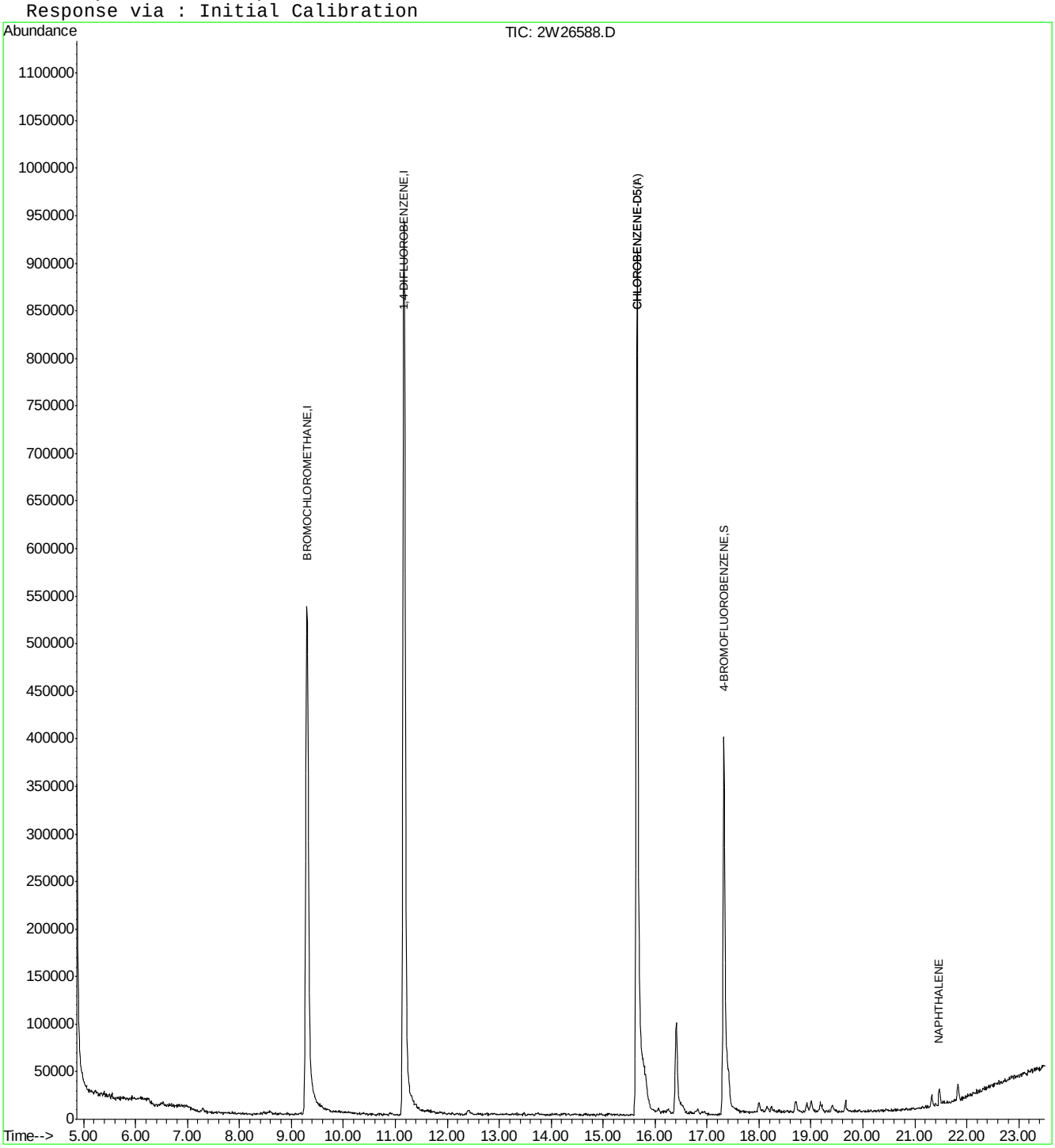
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	325486	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1378449	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	561963	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	562436	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	245684	4.59	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.46	128	19509	0.63	PPBV	# 98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26588.D M2W1118.M Wed Apr 07 09:38:24 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26588.D Vial: 7
Acq On : 5 Apr 2010 10:49 pm Operator: yunxiac
Sample : nap-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:32 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26589.D Vial: 6
Acq On : 5 Apr 2010 11:32 pm Operator: yunxiac
Sample : nap-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:24 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

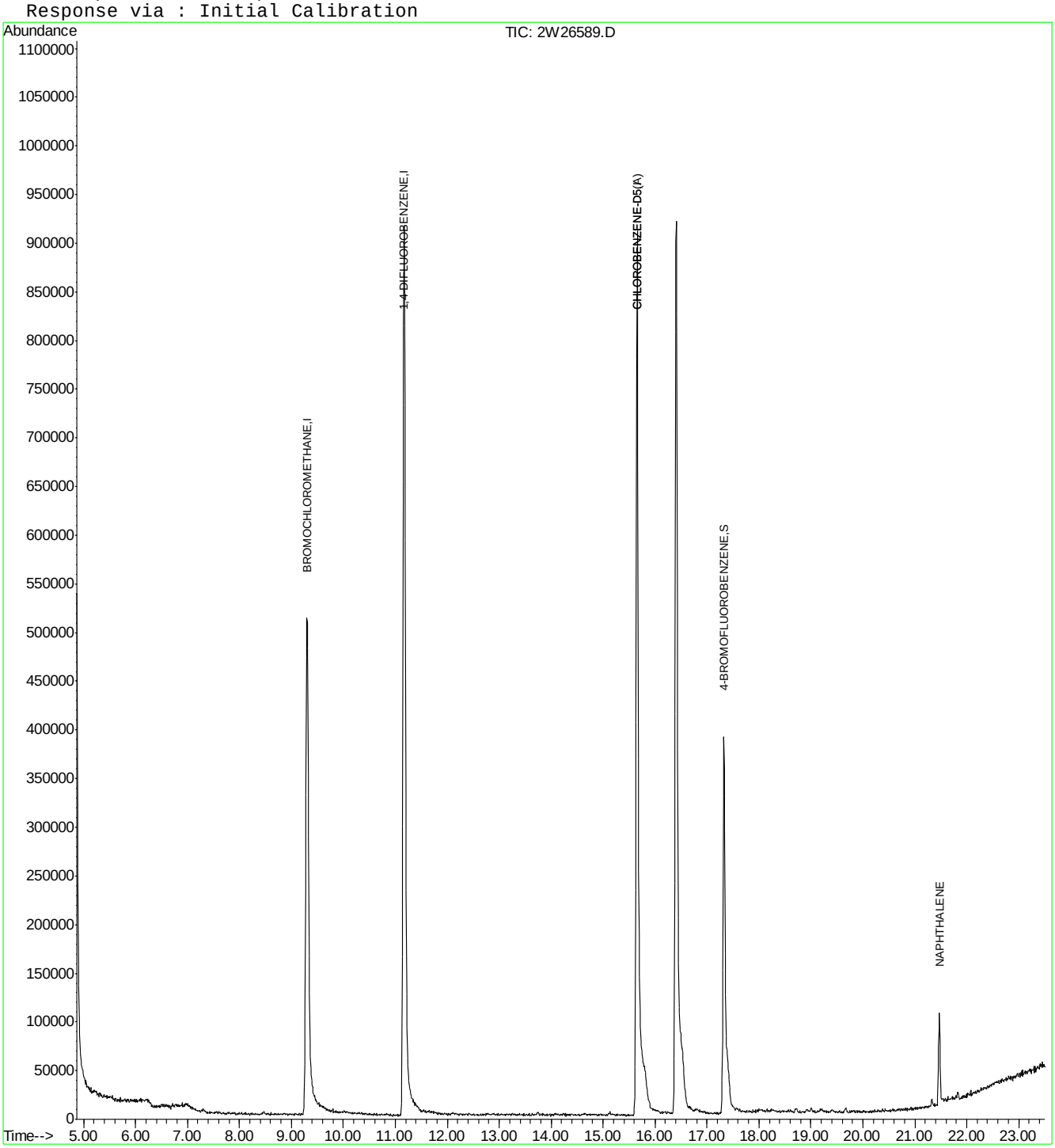
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	306063	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1332896	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	558998	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	558998	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	245878	4.61	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	108231	3.52	PPBV	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26589.D Vial: 6
Acq On : 5 Apr 2010 11:32 pm Operator: yunxiac
Sample : nap-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:32 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26590.D Vial: 6
Acq On : 6 Apr 2010 12:16 am Operator: yunxiac
Sample : nap-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:05 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

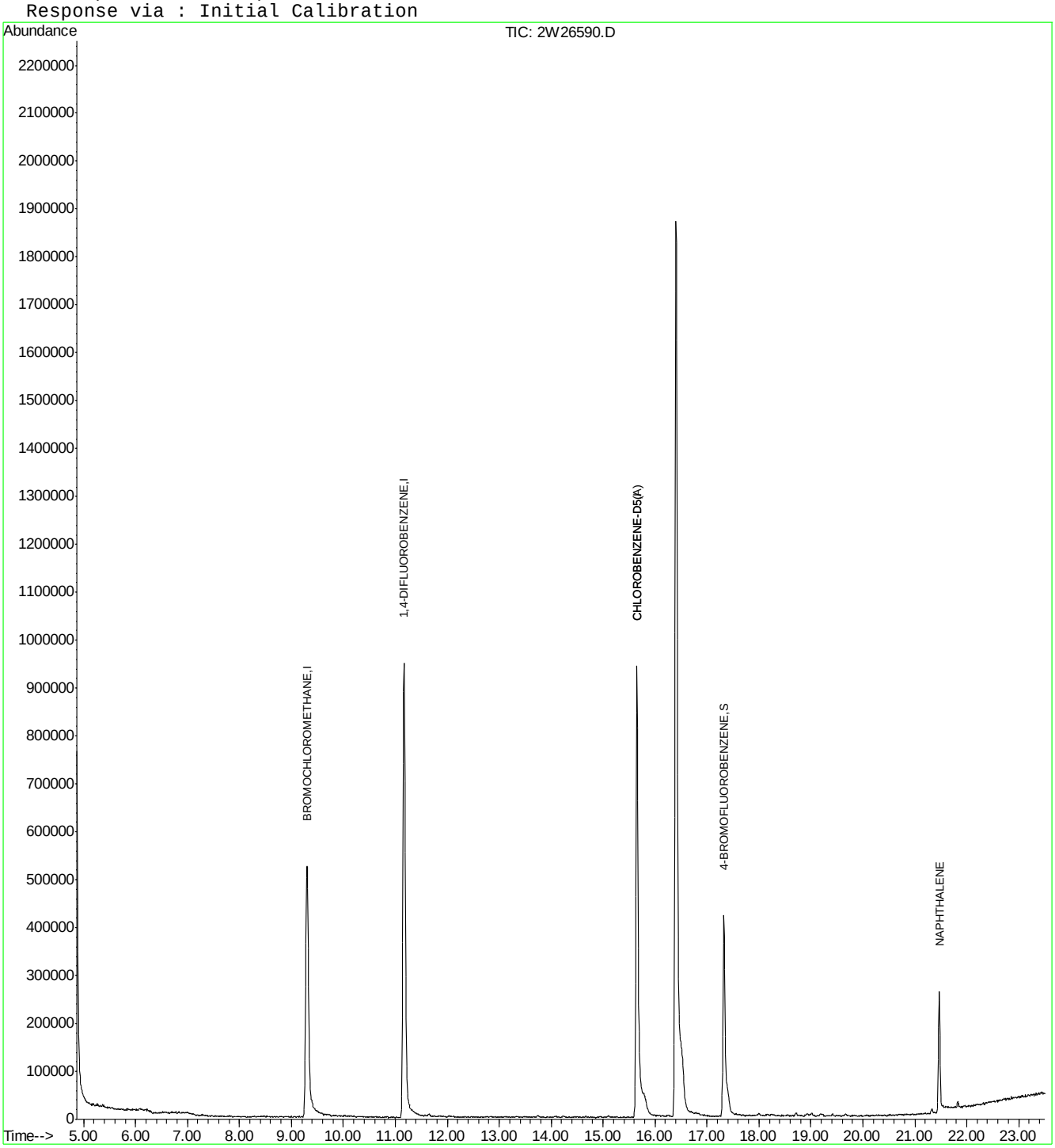
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	314308	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1354673	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	563245	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	563599	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	257019	4.79	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	309723	10.00	PPBV	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26590.D Vial: 6
Acq On : 6 Apr 2010 12:16 am Operator: yunxiac
Sample : nap-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:33 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26591.D Vial: 6
Acq On : 6 Apr 2010 12:59 am Operator: yunxiac
Sample : nap-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

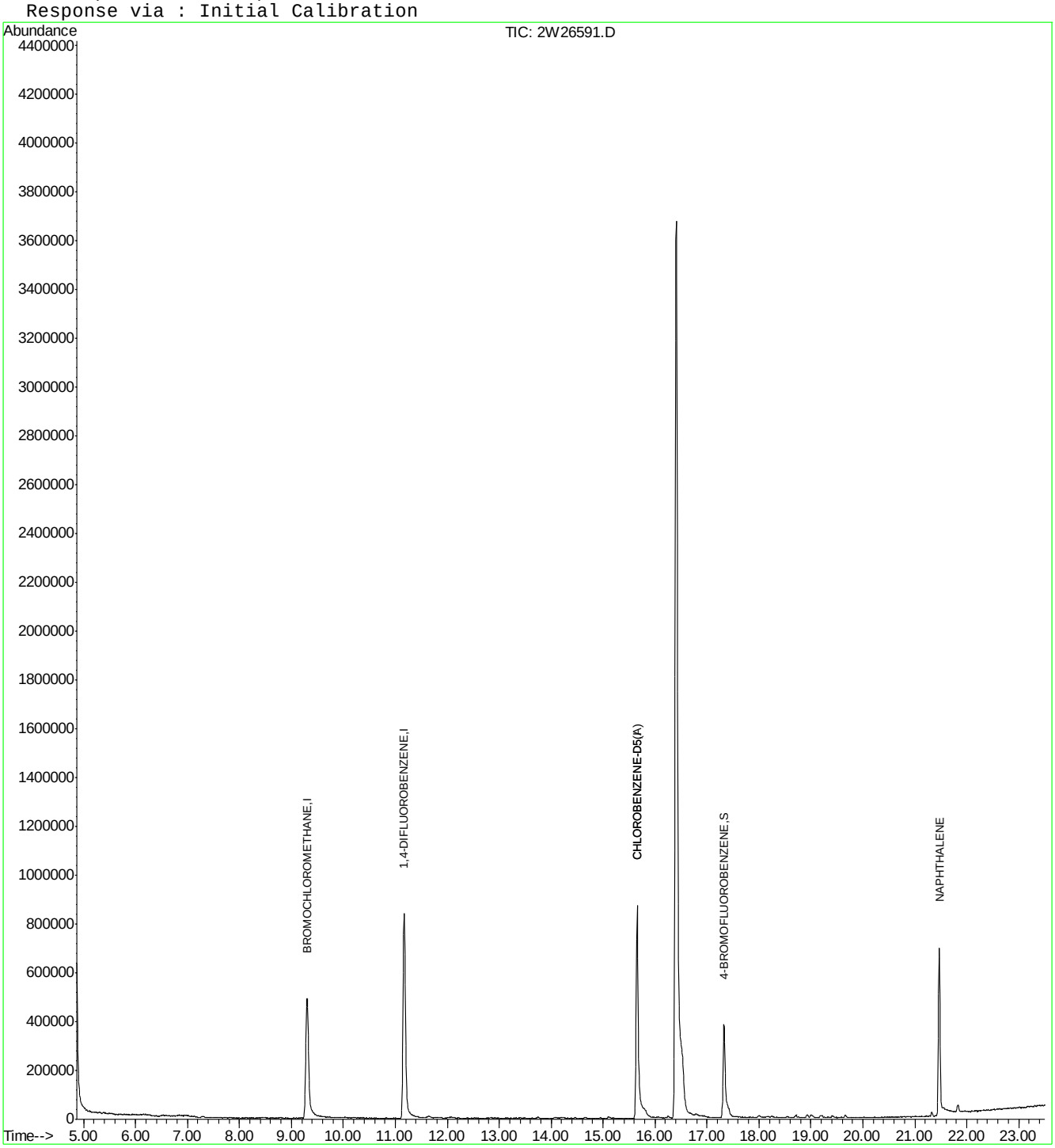
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	292108	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1221418	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	511500	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	511666	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	239409	4.91	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	845862	30.08	PPBV	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26591.D Vial: 6
Acq On : 6 Apr 2010 12:59 am Operator: yunxiac
Sample : nap-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:34 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26592.D Vial: 6
Acq On : 6 Apr 2010 1:42 am Operator: yunxiac
Sample : nap-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:03:03 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

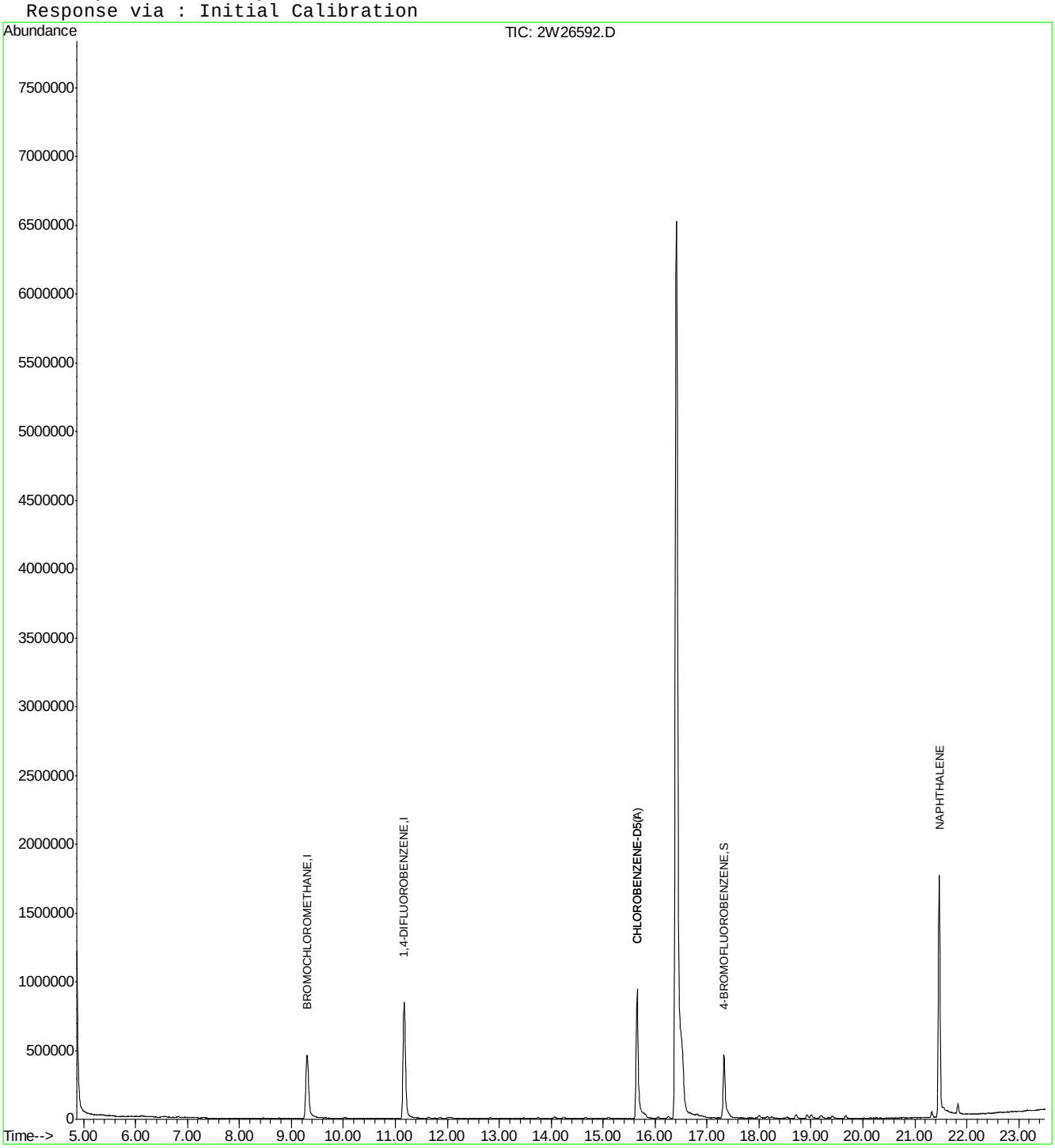
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	274293	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1208890	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	537205	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	537205	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	266968	5.21	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 104.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	2029188	68.74	PPBV	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26592.D Vial: 6
Acq On : 6 Apr 2010 1:42 am Operator: yunxiac
Sample : nap-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:35 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:30:01 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	282239	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1196200	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	552818	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	552583	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	282626	5.36	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1132078	9.48	PPBV		98
4) FREON 152A	4.97	65	222604	9.02	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	119424	8.82	PPBV		91
6) PROPYLENE	5.04	41	325037	10.46	PPBV		98
8) FREON 114	5.32	85	1090072	9.42	PPBV		98
9) CHLOROMETHANE	5.25	52	117772	9.88	PPBV		98
10) VINYL CHLORIDE	5.44	62	416775	10.46	PPBV		98
11) 1,3-BUTADIENE	5.55	54	308849	9.55	PPBV		94
12) n-BUTANE	5.58	43	669410	9.68	PPBV	#	96
13) BROMOMETHANE	5.80	94	411094	9.23	PPBV		100
14) CHLOROETHANE	5.93	64	222649	10.04	PPBV		99
15) FREON 123	6.35	83	884142	9.34	PPBV	#	99
16) FREON 123A	6.40	117	565366	9.10	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.60	101	1057769	9.11	PPBV		100
18) ISOPROPYL ALCOHOL	6.68	45	636074	10.46	PPBV		98
19) ACETONE	6.47	58	138857	9.05	PPBV		99
20) PENTANE	6.84	42	405454	9.55	PPBV		99
23) IODOMETHANE	7.11	142	1029243	9.18	PPBV		97
24) 1,1-DICHLOROETHYLENE	7.17	96	352126	9.20	PPBV		96
25) CARBON DISULFIDE	7.56	76	1011298	9.44	PPBV		98
26) ETHANOL	6.07	45	145731	9.52	PPBV		99
27) BROMOETHENE	6.24	106	421092	9.94	PPBV		99
28) METHYLENE CHLORIDE	7.30	84	305154	9.41	PPBV		98
29) 3-CHLOROPROPENE	7.38	76	163571	10.40	PPBV		96
30) FREON 113	7.47	151	622188	9.08	PPBV		98
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	383863	10.42	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.20	59	789457	10.93	PPBV		99
33) METHYL TERTIARY BUTYL ETHE	8.32	73	889431	9.47	PPBV		98
34) TETRAHYDROFURAN	9.80	72	141878	10.09	PPBV		97
35) HEXANE	9.19	57	475953	9.62	PPBV		99
36) VINYL ACETATE	8.43	86	61170	9.13	PPBV	#	71
37) 1,1-DICHLOROETHANE	8.31	63	635108	9.54	PPBV		99
38) METHYL ETHYL KETONE	8.68	72	142580	9.79	PPBV		97
39) cis-1,2-DICHLOROETHYLENE	9.15	96	369996	9.08	PPBV		97
40) ETHYL ACETATE	9.30	61	79525	11.70	PPBV	#	65
41) CHLOROFORM	9.40	83	744372	9.78	PPBV		99
42) 2,4-DIMETHYLPENTANE	10.03	57	628455	10.17	PPBV		100
43) 1,1,1-TRICHLOROETHANE	10.35	97	847262	9.24	PPBV		99
44) CARBON TETRACHLORIDE	10.97	117	854876	9.82	PPBV		100
45) 1,2-DICHLOROETHANE	10.12	62	511217	10.02	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:30:01 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

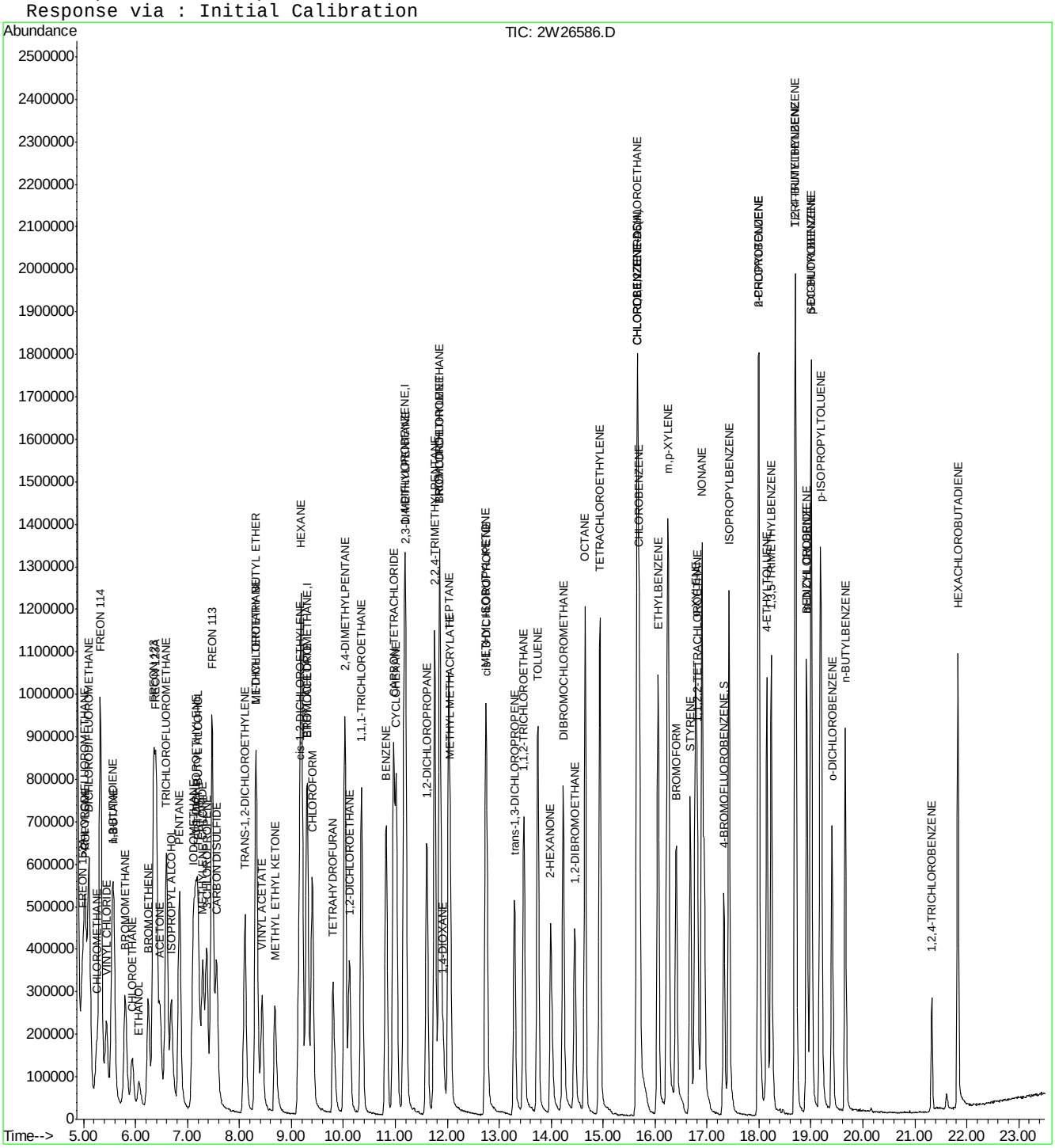
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	989705	9.87	PPBV		99
48)	CYCLOHEXANE	11.02	84	584019	9.53	PPBV		98
49)	2,3-DIMETHYLPENTANE	11.20	71	232964	9.76	PPBV		100
50)	TRICHLOROETHYLENE	11.86	95	401849	8.81	PPBV		98
51)	1,2-DICHLOROPROPANE	11.60	63	343610	10.08	PPBV		100
52)	BROMODICHLOROMETHANE	11.85	83	697358	9.88	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1477279	9.62	PPBV		99
54)	1,4-DIOXANE	11.92	88	191735	9.63	PPBV		94
55)	METHYL METHACRYLATE	12.06	69	261853	11.63	PPBV	#	74
56)	HEPTANE	12.02	43	537056	9.84	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.73	43	593317	12.27	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.76	75	530569	10.81	PPBV		95
60)	TOLUENE	13.74	92	668020	10.20	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	13.29	75	466461	11.72	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.48	83	294462	10.57	PPBV		99
64)	2-HEXANONE	13.99	58	291136	12.67	PPBV		99
65)	TETRACHLOROETHYLENE	14.94	164	461643	8.35	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.23	129	708531	10.15	PPBV		99
67)	1,2-DIBROMOETHANE	14.46	107	520024	10.28	PPBV		99
68)	OCTANE	14.66	43	670111	9.36	PPBV		97
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	494573	9.31	PPBV		98
70)	CHLOROBENZENE	15.70	112	703763	9.67	PPBV		97
71)	ETHYLBENZENE	16.06	91	1162701	9.42	PPBV		99
72)	m,p-XYLENE	16.24	106	938346	18.59	PPBV		98
73)	o-XYLENE	16.78	106	464785	8.92	PPBV		97
74)	STYRENE	16.68	104	616767	11.45	PPBV		98
75)	NONANE	16.90	43	608481	10.24	PPBV		99
76)	BROMOFORM	16.41	173	533306	11.22	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	517125	10.02	PPBV		99
79)	ISOPROPYLBENZENE	17.42	105	1253341	9.14	PPBV		99
80)	2-CHLOROTOLUENE	18.00	126	309838	9.20	PPBV		98
81)	n-PROPYLBENZENE	18.00	120	322491	10.12	PPBV		93
82)	4-ETHYLTOLUENE	18.15	105	970323	10.55	PPBV		97
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	895200	9.74	PPBV		99
84)	TERT-BUTYLBENZENE	18.70	134	242395	9.66	PPBV		96
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	767882	9.61	PPBV		99
86)	m-DICHLOROBENZENE	18.92	146	441121	10.78	PPBV		99
87)	BENZYL CHLORIDE	18.92	91	458991	10.47	PPBV		98
88)	p-DICHLOROBENZENE	19.00	146	416360	10.04	PPBV		100
89)	SEC-BUTYLBENZENE	19.01	134	267000	9.69	PPBV		95
90)	p-ISOPROPYLTOLUENE	19.18	134	279248	10.30	PPBV		98
91)	o-DICHLOROBENZENE	19.41	146	427920	9.77	PPBV		99
92)	n-BUTYLBENZENE	19.66	134	203623	10.31	PPBV		92
93)	HEXACHLOROBUTADIENE	21.83	225	262578	10.21	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.32	180	131965	9.94	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26779.D Vial: 2
Acq On : 15 Apr 2010 11:47 am Operator: yunxiac
Sample : cc1118-10 Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 12:34:17 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 11:15:38 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	285110	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1204508	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.64	82	552239	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.64	82	552239	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	306588	5.82	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 116.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1197185	9.93	PPBV		96
4) FREON 152A	4.97	65	264634	10.62	PPBV		89
5) CHLORODIFLUOROMETHANE	5.01	67	159160	11.64	PPBV		91
6) PROPYLENE	5.04	41	272432	8.68	PPBV		95
8) FREON 114	5.32	85	1073239	9.18	PPBV		89
9) CHLOROMETHANE	5.25	52	111470	9.25	PPBV		98
10) VINYL CHLORIDE	5.43	62	424220	10.54	PPBV		99
11) 1,3-BUTADIENE	5.54	54	300753	9.20	PPBV		87
12) n-BUTANE	5.57	43	570614	8.17	PPBV		98
13) BROMOMETHANE	5.80	94	455543	10.12	PPBV		99
14) CHLOROETHANE	5.93	64	227322	10.15	PPBV		98
15) FREON 123	6.34	83	921252	9.63	PPBV	#	97
16) FREON 123A	6.39	117	636689	10.15	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.58	101	1364280	11.63	PPBV		98
18) ISOPROPYL ALCOHOL	6.68	45	607769	9.89	PPBV		96
19) ACETONE	6.46	58	133090	8.58	PPBV	#	79
20) PENTANE	6.84	42	393711	9.18	PPBV		94
23) IODOMETHANE	7.10	142	1217925	10.75	PPBV		90
24) 1,1-DICHLOROETHYLENE	7.16	96	346461	8.96	PPBV		91
25) CARBON DISULFIDE	7.55	76	859182	7.94	PPBV		94
26) ETHANOL	6.06	45	140970	9.11	PPBV		97
27) BROMOETHENE	6.24	106	485622	11.35	PPBV	#	98
28) METHYLENE CHLORIDE	7.28	84	283455	8.65	PPBV		95
29) 3-CHLOROPROPENE	7.36	76	155485	9.79	PPBV	#	89
30) FREON 113	7.47	151	687397	9.94	PPBV		96
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	351571	9.45	PPBV		95
32) TERTIARY BUTYL ALCOHOL	7.20	59	721980	9.89	PPBV		95
33) METHYL TERTIARY BUTYL ETHE	8.31	73	896121	9.44	PPBV		98
34) TETRAHYDROFURAN	9.78	72	131130	9.23	PPBV		99
35) HEXANE	9.18	57	414871	8.30	PPBV		90
36) VINYL ACETATE	8.42	86	62084	9.17	PPBV	#	88
37) 1,1-DICHLOROETHANE	8.30	63	589981	8.77	PPBV		98
38) METHYL ETHYL KETONE	8.66	72	129939	8.84	PPBV	#	92
39) cis-1,2-DICHLOROETHYLENE	9.14	96	350905	8.52	PPBV		95
40) ETHYL ACETATE	9.28	61	70021	10.20	PPBV	#	69
41) CHLOROFORM	9.39	83	754136	9.81	PPBV		97
42) 2,4-DIMETHYLPENTANE	10.01	57	549575	8.81	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.34	97	918464	9.91	PPBV		98
44) CARBON TETRACHLORIDE	10.96	117	970267	11.03	PPBV		99
45) 1,2-DICHLOROETHANE	10.11	62	559814	10.87	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26779.D Vial: 2
Acq On : 15 Apr 2010 11:47 am Operator: yunxiac
Sample : cc1118-10 Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 12:34:17 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 11:15:38 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

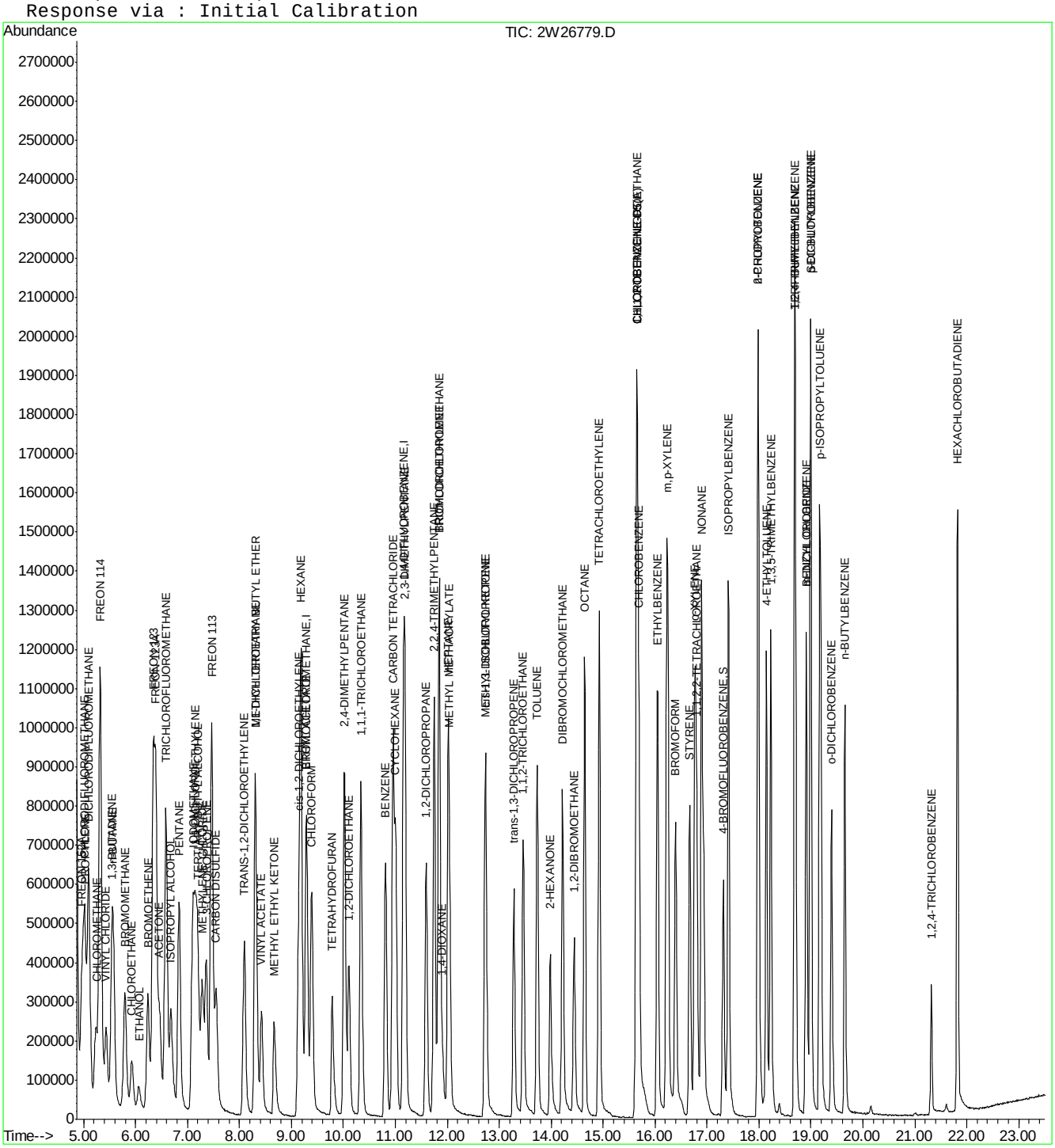
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	891452	8.83	PPBV		97
48)	CYCLOHEXANE	11.01	84	556017	9.01	PPBV		93
49)	2,3-DIMETHYLPENTANE	11.19	71	196786	8.19	PPBV		96
50)	TRICHLOROETHYLENE	11.85	95	401683	8.75	PPBV		97
51)	1,2-DICHLOROPROPANE	11.59	63	298973	8.71	PPBV		89
52)	BROMODICHLOROMETHANE	11.83	83	692592	9.75	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1270838	8.22	PPBV		98
54)	1,4-DIOXANE	11.90	88	164106	8.18	PPBV		95
55)	METHYL METHACRYLATE	12.04	69	244845	10.80	PPBV		95
56)	HEPTANE	12.02	43	460794	8.38	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.72	43	520621	10.69	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.74	75	475301	9.62	PPBV		85
60)	TOLUENE	13.73	92	608073	9.22	PPBV		93
61)	trans-1,3-DICHLOROPROPENE	13.28	75	504784	12.59	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.46	83	277749	9.90	PPBV		97
64)	2-HEXANONE	13.98	58	219964	9.58	PPBV		91
65)	TETRACHLOROETHYLENE	14.92	164	481267	8.72	PPBV		98
66)	DIBROMOCHLOROMETHANE	14.22	129	740628	10.62	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	508169	10.05	PPBV		99
68)	OCTANE	14.64	43	591382	8.27	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.65	131	549567	10.36	PPBV		91
70)	CHLOROBENZENE	15.69	112	673447	9.26	PPBV		95
71)	ETHYLBENZENE	16.04	91	1161049	9.41	PPBV		96
72)	m,p-XYLENE	16.23	106	890535	17.67	PPBV	#	88
73)	o-XYLENE	16.77	106	446909	8.58	PPBV	#	86
74)	STYRENE	16.66	104	589850	10.96	PPBV		94
75)	NONANE	16.90	43	547018	9.22	PPBV		99
76)	BROMOFORM	16.40	173	611398	12.87	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	495436	9.61	PPBV		98
79)	ISOPROPYLBENZENE	17.41	105	1278071	9.33	PPBV		96
80)	2-CHLOROTOLUENE	17.98	126	315660	9.38	PPBV		98
81)	n-PROPYLBENZENE	17.98	120	330226	10.37	PPBV		93
82)	4-ETHYLTOLUENE	18.14	105	1027419	11.19	PPBV		95
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	954911	10.40	PPBV		95
84)	TERT-BUTYLBENZENE	18.69	134	267196	10.66	PPBV		93
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	835573	10.47	PPBV		97
86)	m-DICHLOROBENZENE	18.91	146	458120	11.21	PPBV		97
87)	BENZYL CHLORIDE	18.90	91	491913	11.23	PPBV		97
88)	p-DICHLOROBENZENE	18.99	146	442409	10.68	PPBV		99
89)	SEC-BUTYLBENZENE	18.99	134	285932	10.38	PPBV		96
90)	p-ISOPROPYLTOLUENE	19.17	134	300064	11.08	PPBV		95
91)	o-DICHLOROBENZENE	19.40	146	451071	10.31	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	224834	11.39	PPBV		99
93)	HEXACHLOROBUTADIENE	21.82	225	401403	15.63	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.32	180	151944	11.45	PPBV		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26779.D Vial: 2
Acq On : 15 Apr 2010 11:47 am Operator: yunxiac
Sample : cc1118-10 Inst : MS2W
Misc : MS95159,V2W1126,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 15:23 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 15 13:28:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27037.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:13:58 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:13:55 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	252937	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1228527	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	667593	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	667593	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	390738	5.03	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	979851	10.00	PPBV		100
4) FREON 152A	4.97	65	323335	10.00	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	117714	10.04	PPBV		98
6) PROPYLENE	5.03	41	383272	10.00	PPBV		100
8) FREON 114	5.31	85	1087996	10.04	PPBV		100
9) CHLOROMETHANE	5.25	52	160080	9.99	PPBV		100
10) VINYL CHLORIDE	5.43	62	501371	10.00	PPBV		100
11) 1,3-BUTADIENE	5.54	54	390803	10.01	PPBV		100
12) n-BUTANE	5.57	43	739280	10.00	PPBV		100
13) BROMOMETHANE	5.79	94	388727	10.00	PPBV		100
14) CHLOROETHANE	5.92	64	258301	10.00	PPBV		100
15) FREON 123	6.33	83	822944	10.00	PPBV	#	100
16) FREON 123A	6.38	117	411843	10.00	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.57	101	881285	10.00	PPBV		100
18) ISOPROPYL ALCOHOL	6.67	45	654388	9.99	PPBV		100
19) ACETONE	6.45	58	164185	9.98	PPBV		100
20) PENTANE	6.83	42	436101	10.02	PPBV		100
22) IODOMETHANE	7.09	142	764854	10.00	PPBV		100
23) 1,1-DICHLOROETHYLENE	7.14	96	316282	10.00	PPBV		100
24) CARBON DISULFIDE	7.54	76	1068638	10.01	PPBV		100
25) ETHANOL	6.05	45	182088	9.97	PPBV		100
26) BROMOETHENE	6.23	106	352340	10.00	PPBV		100
27) METHYLENE CHLORIDE	7.27	84	308051	10.01	PPBV		100
28) 3-CHLOROPROPENE	7.34	76	181356	10.00	PPBV		100
29) FREON 113	7.45	151	463147	10.01	PPBV		100
30) TRANS-1,2-DICHLOROETHYLENE	8.07	96	385439	10.00	PPBV		100
31) TERTIARY BUTYL ALCOHOL	7.19	59	754144	10.00	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.29	73	963236	10.00	PPBV		100
33) TETRAHYDROFURAN	9.77	72	199341	9.93	PPBV		99
34) HEXANE	9.16	57	606739	10.00	PPBV		100
35) VINYL ACETATE	8.41	86	82753	9.92	PPBV		98
36) 1,1-DICHLOROETHANE	8.29	63	738045	10.00	PPBV		100
37) METHYL ETHYL KETONE	8.65	72	188652	9.95	PPBV		100
38) cis-1,2-DICHLOROETHYLENE	9.12	96	398569	9.99	PPBV		100
39) ETHYL ACETATE	9.27	61	112656	9.69	PPBV		98
40) CHLOROFORM	9.37	83	767481	10.00	PPBV		100
41) 2,4-DIMETHYLPENTANE	10.00	57	804528	10.00	PPBV		100
42) 1,1,1-TRICHLOROETHANE	10.32	97	789713	9.99	PPBV		100
43) CARBON TETRACHLORIDE	10.93	117	763945	10.00	PPBV		100
44) 1,2-DICHLOROETHANE	10.09	62	500840	10.00	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27037.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:13:58 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:13:55 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

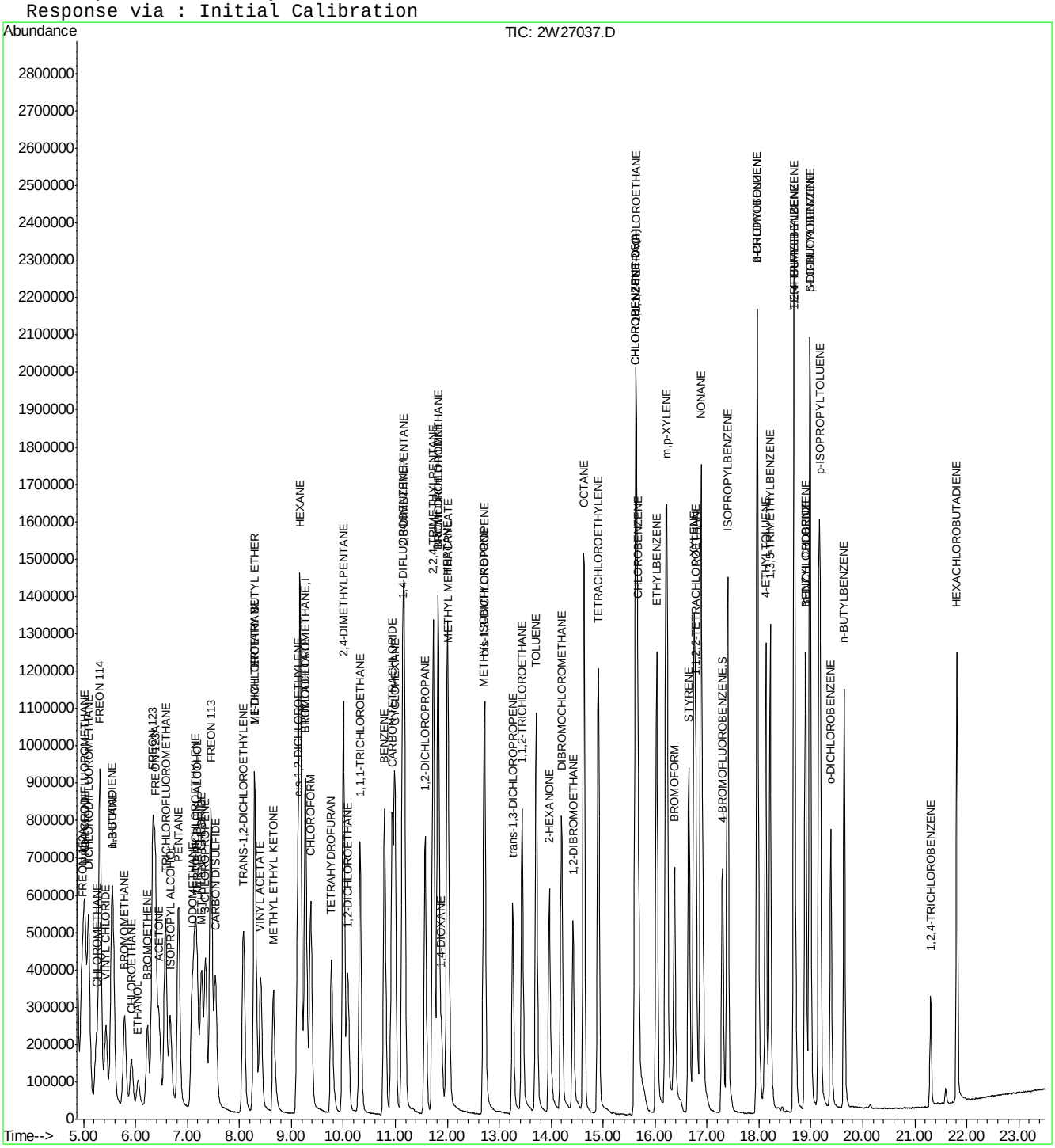
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	BENZENE	10.79	78	1208671	10.01	PPBV	100
47)	CYCLOHEXANE	10.99	84	652554	10.01	PPBV	100
48)	2,3-DIMETHYLPENTANE	11.17	71	289027	10.01	PPBV	100
49)	TRICHLOROETHYLENE	11.83	95	453310	10.01	PPBV	100
50)	1,2-DICHLOROPROPANE	11.57	63	481348	10.01	PPBV	100
51)	BROMODICHLOROMETHANE	11.82	83	744948	10.01	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1833058	10.01	PPBV	100
53)	1,4-DIOXANE	11.88	88	227794	10.00	PPBV	100
54)	METHYL METHACRYLATE	12.02	69	372234	10.01	PPBV	100
55)	HEPTANE	12.00	43	704156	10.05	PPBV	100
57)	METHYL ISOBUTYL KETONE	12.70	43	763789	9.96	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	12.72	75	648085	10.00	PPBV	100
59)	TOLUENE	13.71	92	790263	10.01	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	13.26	75	553272	9.97	PPBV	100
61)	1,1,2-TRICHLOROETHANE	13.44	83	392790	10.01	PPBV	100
63)	2-HEXANONE	13.96	58	405358	9.77	PPBV	100
64)	TETRACHLOROETHYLENE	14.91	164	431813	10.01	PPBV	100
65)	DIBROMOCHLOROMETHANE	14.20	129	708377	10.01	PPBV	100
66)	1,2-DIBROMOETHANE	14.42	107	603198	9.94	PPBV	100
67)	OCTANE	14.63	43	927576	10.01	PPBV	100
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	519291	10.01	PPBV	100
69)	CHLOROBENZENE	15.67	112	806990	10.03	PPBV	100
70)	ETHYLBENZENE	16.03	91	1401500	10.01	PPBV	100
71)	m,p-XYLENE	16.22	106	1062178	20.01	PPBV	100
72)	o-XYLENE	16.75	106	538784	10.01	PPBV	100
73)	STYRENE	16.65	104	740943	10.01	PPBV	100
74)	NONANE	16.88	43	819049	10.03	PPBV	100
75)	BROMOFORM	16.38	173	530848	10.06	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	707149	10.02	PPBV	100
78)	ISOPROPYLBENZENE	17.40	105	1423489	10.01	PPBV	100
79)	2-CHLOROTOLUENE	17.97	126	352126	10.01	PPBV	100
80)	n-PROPYLBENZENE	17.97	120	369291	10.01	PPBV	100
81)	4-ETHYLTOLUENE	18.13	105	1148919	9.92	PPBV	99
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1040885	10.02	PPBV	100
83)	TERT-BUTYLBENZENE	18.67	134	280765	10.01	PPBV	100
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	900602	10.01	PPBV	100
85)	m-DICHLOROBENZENE	18.90	146	460376	10.01	PPBV	100
86)	BENZYL CHLORIDE	18.89	91	576339	10.01	PPBV	100
87)	p-DICHLOROBENZENE	18.98	146	433208	10.01	PPBV	100
88)	SEC-BUTYLBENZENE	18.98	134	306670	10.01	PPBV	100
89)	p-ISOPROPYLTOLUENE	19.16	134	315731	10.02	PPBV	100
90)	o-DICHLOROBENZENE	19.38	146	446851	10.01	PPBV	100
91)	n-BUTYLBENZENE	19.64	134	236152	10.01	PPBV	100
92)	HEXACHLOROBUTADIENE	21.81	225	293096	10.01	PPBV	100
93)	1,2,4-TRICHLOROBENZENE	21.31	180	133814	10.06	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27037.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 9:40 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST. JA45062 Laboratories

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/06/10 00:01

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1138\2W27038.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1138-5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:30:30 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:30:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	257130	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1215459	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	632413	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	632413	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	348279	5.10	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	536539	4.53	PPBV		99
4) FREON 152A	4.97	65	159411	4.08	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	58299	4.40	PPBV		98
6) PROPYLENE	5.03	41	224411	4.39	PPBV		98
8) FREON 114	5.31	85	573968	4.49	PPBV		98
9) CHLOROMETHANE	5.25	52	80491	4.13	PPBV		95
10) VINYL CHLORIDE	5.43	62	252211	4.36	PPBV		100
11) 1,3-BUTADIENE	5.54	54	191664	4.16	PPBV		98
12) n-BUTANE	5.57	43	392337	4.38	PPBV	#	99
13) BROMOMETHANE	5.79	94	189445	4.29	PPBV		99
14) CHLOROETHANE	5.93	64	123796	4.17	PPBV		98
15) FREON 123	6.33	83	416988	4.38	PPBV	#	97
16) FREON 123A	6.38	117	200148	4.22	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.58	101	434914	4.34	PPBV		98
18) ISOPROPYL ALCOHOL	6.68	45	290147	4.00	PPBV		99
19) ACETONE	6.46	58	59011	3.21	PPBV		94
20) PENTANE	6.83	42	218706	4.16	PPBV		99
22) IODOMETHANE	7.09	142	364110	4.41	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.14	96	150374	4.13	PPBV		96
24) CARBON DISULFIDE	7.54	76	542259	4.55	PPBV		97
25) ETHANOL	6.06	45	72057	3.56	PPBV		97
26) BROMOETHENE	6.23	106	168335	4.33	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	143768	4.01	PPBV		98
28) 3-CHLOROPROPENE	7.35	76	85031	4.30	PPBV		97
29) FREON 113	7.45	151	222787	4.28	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	179723	4.23	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.20	59	350187	5.33	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.31	73	376803	3.52	PPBV		100
33) TETRAHYDROFURAN	9.78	72	72194	3.56	PPBV		99
34) HEXANE	9.16	57	297061	4.32	PPBV		97
35) VINYL ACETATE	8.41	86	29852	3.55	PPBV	#	90
36) 1,1-DICHLOROETHANE	8.29	63	367615	4.42	PPBV		98
37) METHYL ETHYL KETONE	8.66	72	65685	3.43	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	9.12	96	183271	4.29	PPBV		99
39) ETHYL ACETATE	9.27	61	37967	3.27	PPBV		95
40) CHLOROFORM	9.37	83	359576	4.33	PPBV		100
41) 2,4-DIMETHYLPENTANE	10.00	57	395108	4.45	PPBV		98
42) 1,1,1-TRICHLOROETHANE	10.32	97	378151	4.33	PPBV		99
43) CARBON TETRACHLORIDE	10.94	117	364098	4.30	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	219685	4.08	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1138\2W27038.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1138-5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:30:30 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:30:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

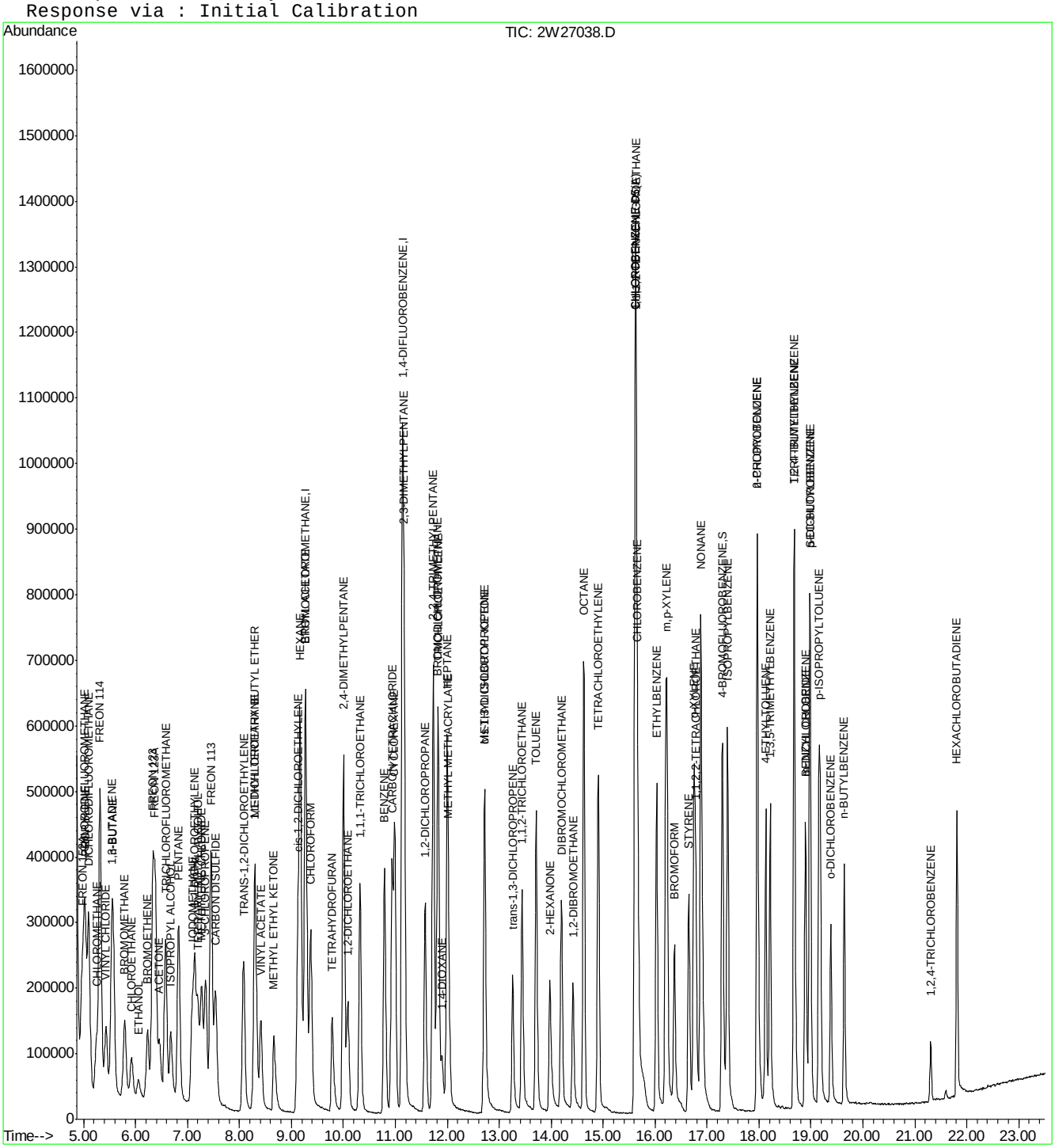
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	556825	4.46	PPBV		99
47)	CYCLOHEXANE	10.99	84	301341	4.40	PPBV		97
48)	2,3-DIMETHYLPENTANE	11.17	71	131808	4.25	PPBV		90
49)	TRICHLOROETHYLENE	11.83	95	202909	4.23	PPBV		98
50)	1,2-DICHLOROPROPANE	11.57	63	207594	4.24	PPBV		99
51)	BROMODICHLOROMETHANE	11.81	83	343551	4.46	PPBV		98
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	951876	4.83	PPBV		96
53)	1,4-DIOXANE	11.89	88	89394	3.72	PPBV		99
54)	METHYL METHACRYLATE	12.03	69	124634	3.40	PPBV	#	1
55)	HEPTANE	12.00	43	336386	4.34	PPBV		97
57)	METHYL ISOBUTYL KETONE	12.71	43	307210m	4.24	PPBV		
58)	cis-1,3-DICHLOROPROPENE	12.72	75	278134	4.42	PPBV		99
59)	TOLUENE	13.71	92	329187	4.20	PPBV		95
60)	trans-1,3-DICHLOROPROPENE	13.26	75	217619	4.34	PPBV		99
61)	1,1,2-TRICHLOROETHANE	13.44	83	163307	4.25	PPBV		100
63)	2-HEXANONE	13.98	58	141418	4.47	PPBV		96
64)	TETRACHLOROETHYLENE	14.91	164	187554	4.24	PPBV		99
65)	DIBROMOCHLOROMETHANE	14.19	129	290992	4.29	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	236406	4.20	PPBV		99
67)	OCTANE	14.63	43	439050	4.53	PPBV		95
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	215616	4.28	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	329466	4.24	PPBV		98
70)	ETHYLBENZENE	16.03	91	583864	4.16	PPBV		96
71)	m,p-XYLENE	16.21	106	418218	7.78	PPBV		88
72)	o-XYLENE	16.75	106	208986	3.77	PPBV		92
73)	STYRENE	16.65	104	264113	4.28	PPBV		99
74)	NONANE	16.88	43	381328	4.71	PPBV		96
75)	BROMOFORM	16.37	173	200365	4.27	PPBV		98
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	286294	4.13	PPBV		99
78)	ISOPROPYLBENZENE	17.40	105	584550	4.10	PPBV		96
79)	2-CHLOROTOLUENE	17.97	126	137887	4.01	PPBV	#	75
80)	n-PROPYLBENZENE	17.97	120	132657	3.83	PPBV	#	53
81)	4-ETHYLTOLUENE	18.13	105	427708	4.23	PPBV		96
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	400267	4.18	PPBV		95
83)	TERT-BUTYLBENZENE	18.67	134	98575	3.82	PPBV		83
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	335941	4.09	PPBV		95
85)	m-DICHLOROBENZENE	18.90	146	173324	4.26	PPBV		99
86)	BENZYL CHLORIDE	18.89	91	192989	3.90	PPBV		99
87)	p-DICHLOROBENZENE	18.98	146	159941	4.15	PPBV		98
88)	SEC-BUTYLBENZENE	18.98	134	109039	3.93	PPBV		76
89)	p-ISOPROPYLTOLUENE	19.16	134	105450	3.85	PPBV		85
90)	o-DICHLOROBENZENE	19.38	146	171793	4.08	PPBV		98
91)	n-BUTYLBENZENE	19.65	134	74363	3.62	PPBV		88
92)	HEXACHLOROBUTADIENE	21.81	225	111499	4.27	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	39339	2.75	PPBV		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1138\2W27038.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1138-5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 11:12 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:21:11 2010
Response via : Initial Calibration

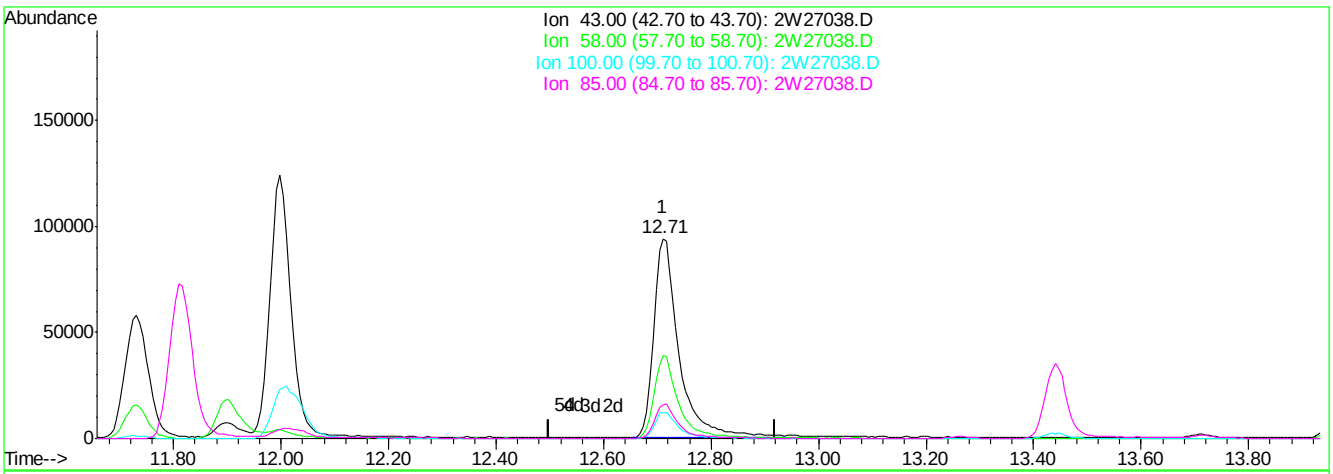


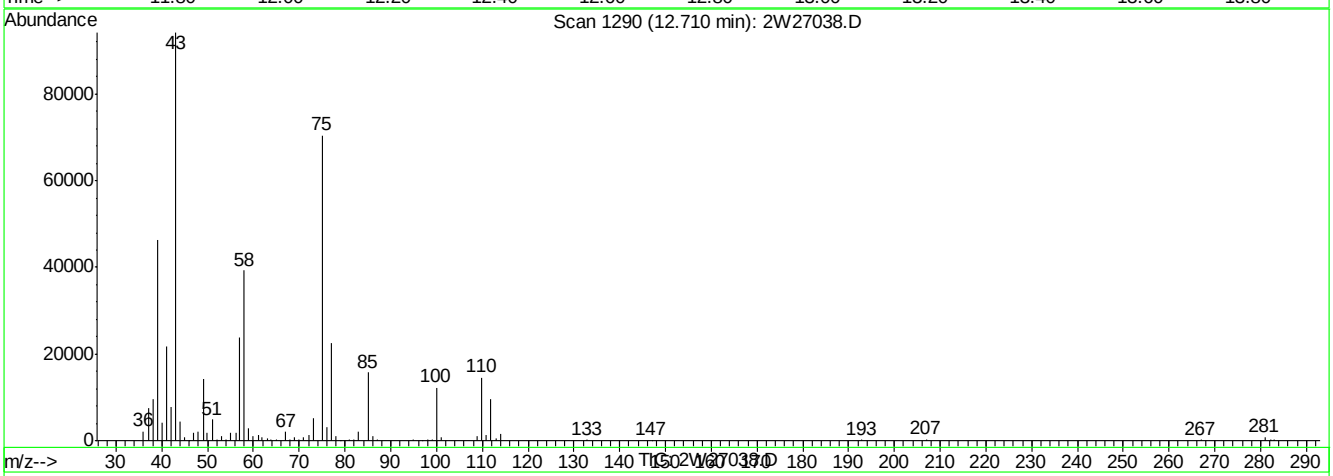
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\2W27038.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1138-5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 11:12 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Multiple Level Calibration





(57) METHYL ISOBUTYL KETONE

12.71min 4.24PPBV m

response 307210

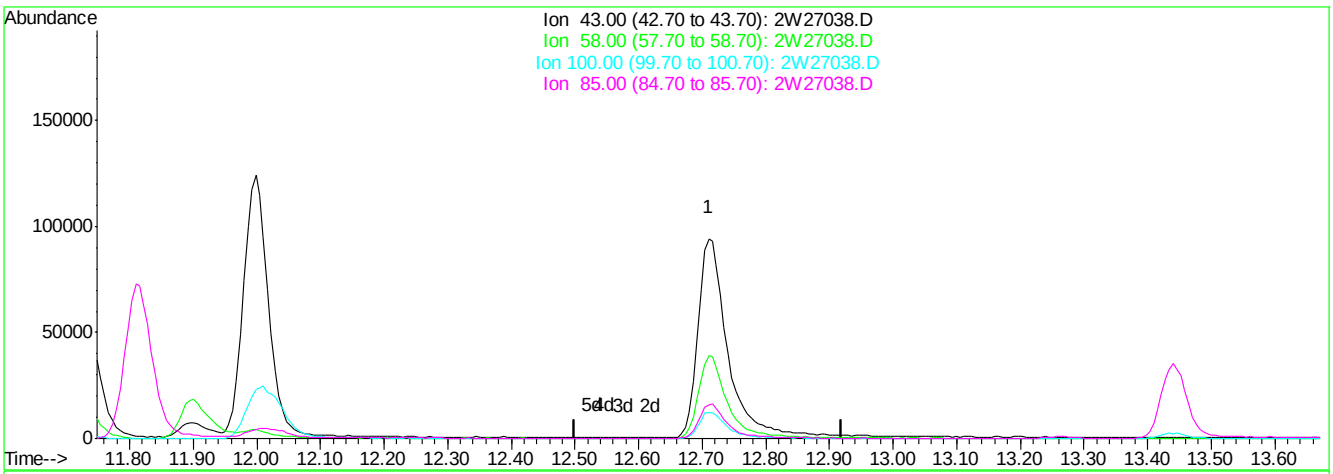
Ion	Exp%	Act%
43.00	100	100
58.00	42.90	0.00#
100.00	14.00	0.00
85.00	18.50	0.00

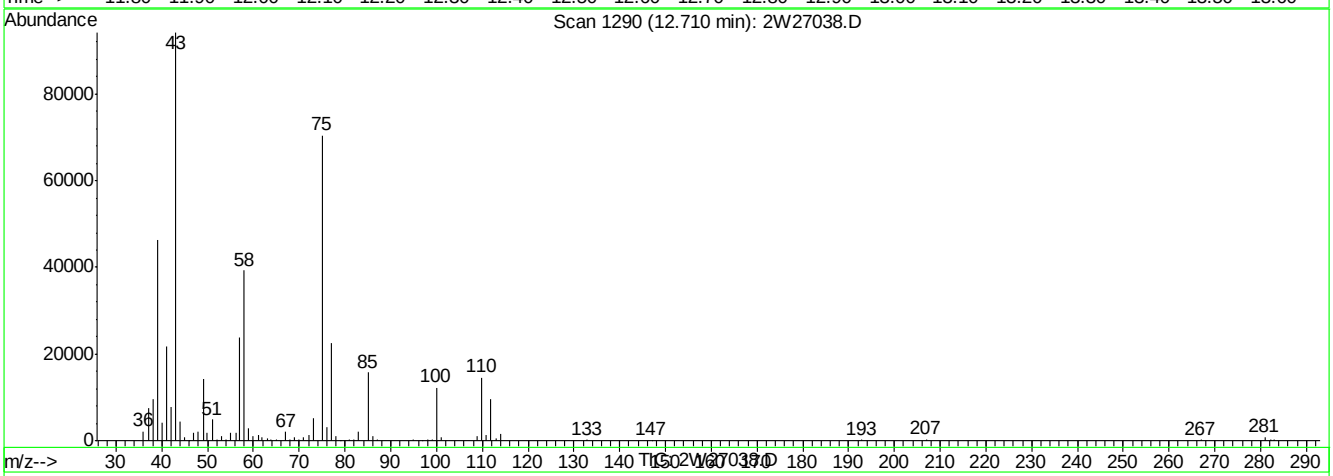
2W27038.D M2W1138.M Wed May 05 15:19:37 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\2W27038.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1138-5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 15:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Multiple Level Calibration





(57) METHYL ISOBUTYL KETONE

12.71min 0.00PPBV d

response 0

Ion	Exp%	Act%
43.00	100	0.00
58.00	42.90	0.00
100.00	14.00	0.00
85.00	18.50	0.00

2W27038.D M2W1138.M Wed May 05 15:19:46 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27039.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1138-0.5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:24:08 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:24:05 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	254516	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1207114	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	562233	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	562233	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	274208	4.51	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	73923	0.63	PPBV		98
4) FREON 152A	4.97	65	23104	0.60	PPBV		88
5) CHLORODIFLUOROMETHANE	5.01	67	7617	0.65	PPBV	#	41
6) PROPYLENE	5.03	41	33428	0.66	PPBV		97
8) FREON 114	5.31	85	81828	0.65	PPBV		98
9) CHLOROMETHANE	5.26	52	11107	0.58	PPBV		93
10) VINYL CHLORIDE	5.43	62	34927	0.61	PPBV		99
11) 1,3-BUTADIENE	5.54	54	28150	0.62	PPBV		90
12) n-BUTANE	5.57	43	58712	0.66	PPBV	#	98
13) BROMOMETHANE	5.79	94	25768	0.59	PPBV		99
14) CHLOROETHANE	5.91	64	17694	0.60	PPBV		96
15) FREON 123	6.33	83	60232	0.64	PPBV	#	97
16) FREON 123A	6.38	117	29030	0.62	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.58	101	61738	0.62	PPBV		98
18) ISOPROPYL ALCOHOL	6.75	45	39412	0.65	PPBV		75
19) ACETONE	6.50	58	12276	0.82	PPBV	#	88
20) PENTANE	6.83	42	33767	0.65	PPBV		97
22) IODOMETHANE	7.09	142	47517	0.58	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.15	96	20483	0.57	PPBV		91
24) CARBON DISULFIDE	7.54	76	72890	0.62	PPBV		98
25) ETHANOL	6.10	45	11188	0.56	PPBV		91
26) BROMOETHENE	6.22	106	22264	0.58	PPBV		98
27) METHYLENE CHLORIDE	7.27	84	21871	0.62	PPBV		97
28) 3-CHLOROPROPENE	7.36	76	11414	0.58	PPBV	#	68
29) FREON 113	7.46	151	31354	0.61	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	25519	0.61	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.31	59	43065	1.03	PPBV	#	73
32) METHYL TERTIARY BUTYL ETHE	8.35	73	64845	0.61	PPBV		98
33) TETRAHYDROFURAN	9.85	72	11081	0.55	PPBV		95
34) HEXANE	9.16	57	44882	0.66	PPBV		97
35) VINYL ACETATE	8.43	86	4481	0.54	PPBV	#	65
36) 1,1-DICHLOROETHANE	8.29	63	52975	0.64	PPBV		96
37) METHYL ETHYL KETONE	8.71	72	10002	0.53	PPBV	#	79
38) cis-1,2-DICHLOROETHYLENE	9.13	96	23824	0.56	PPBV		91
39) ETHYL ACETATE	9.30	61	5292	0.55	PPBV	#	76
40) CHLOROFORM	9.37	83	50012	0.61	PPBV		96
41) 2,4-DIMETHYLPENTANE	10.01	57	55131	0.63	PPBV		98
42) 1,1,1-TRICHLOROETHANE	10.33	97	53440	0.62	PPBV		98
43) CARBON TETRACHLORIDE	10.94	117	52386	0.63	PPBV		97
44) 1,2-DICHLOROETHANE	10.09	62	31348	0.59	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27039.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1138-0.5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:24:08 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:24:05 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

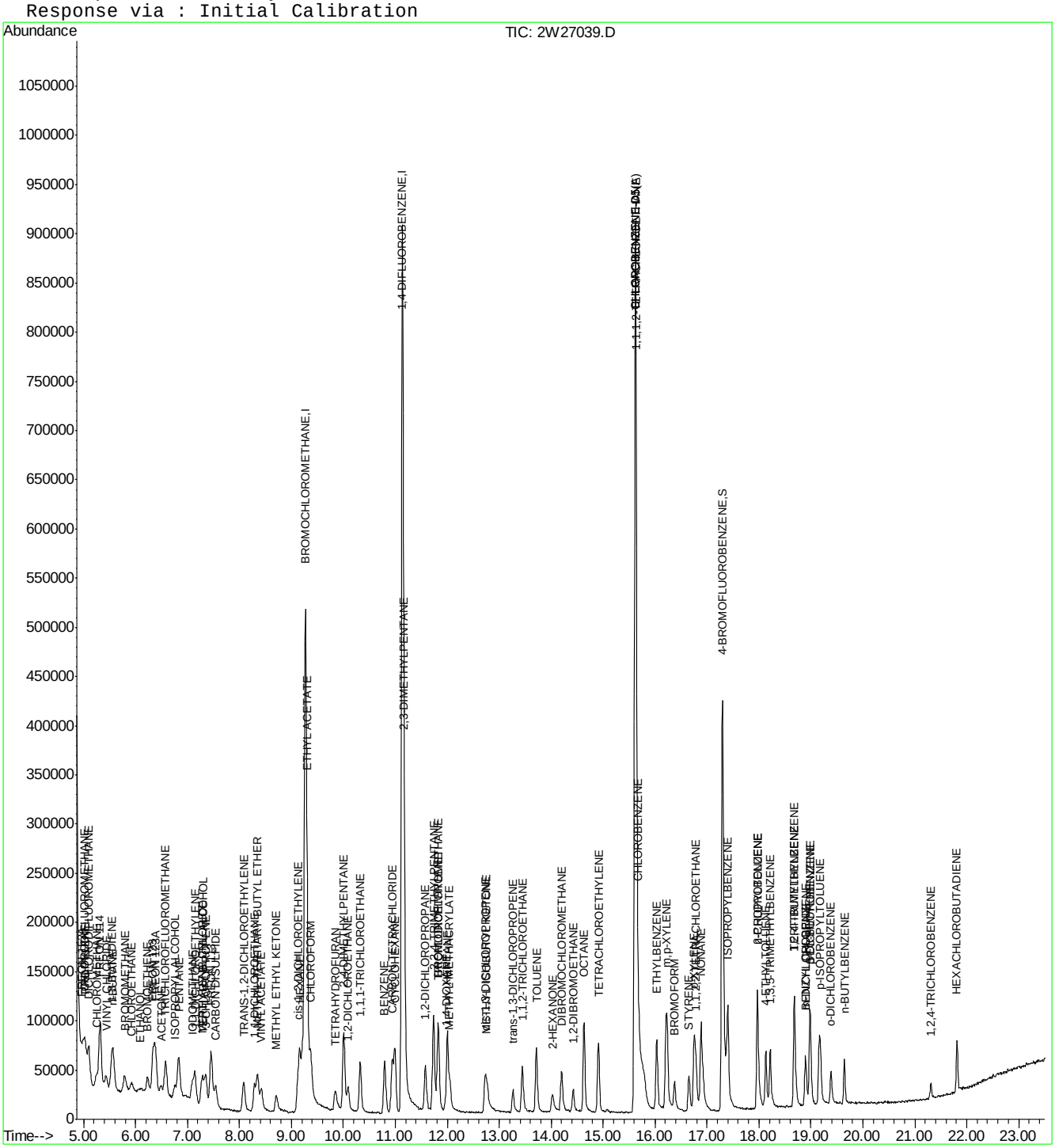
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	80151	0.65	PPBV		98
47)	CYCLOHEXANE	10.99	84	43173	0.63	PPBV		92
48)	2,3-DIMETHYLPENTANE	11.18	71	18968	0.61	PPBV	#	31
49)	TRICHLOROETHYLENE	11.83	95	30327	0.64	PPBV		95
50)	1,2-DICHLOROPROPANE	11.58	63	30521	0.63	PPBV		96
51)	BROMODICHLOROMETHANE	11.82	83	47500	0.62	PPBV		97
52)	2,2,4-TRIMETHYLPENTANE	11.74	57	138652	0.71	PPBV		97
53)	1,4-DIOXANE	11.97	88	14682	0.89	PPBV	#	1
54)	METHYL METHACRYLATE	12.05	69	22445	0.62	PPBV	#	1
55)	HEPTANE	12.00	43	54158	0.70	PPBV		91
57)	METHYL ISOBUTYL KETONE	12.76	43	43210	0.62	PPBV		93
58)	cis-1,3-DICHLOROPROPENE	12.72	75	35736	0.57	PPBV		97
59)	TOLUENE	13.71	92	47069	0.60	PPBV		89
60)	trans-1,3-DICHLOROPROPENE	13.27	75	26853	0.54	PPBV		97
61)	1,1,2-TRICHLOROETHANE	13.45	83	22027	0.58	PPBV		98
63)	2-HEXANONE	14.02	58	13585	0.53	PPBV		91
64)	TETRACHLOROETHYLENE	14.91	164	25438	0.65	PPBV		98
65)	DIBROMOCHLOROMETHANE	14.20	129	37314	0.62	PPBV		98
66)	1,2-DIBROMOETHANE	14.43	107	29522	0.59	PPBV		99
67)	OCTANE	14.63	43	62410	0.72	PPBV		91
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	27873	0.62	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	44747	0.65	PPBV		83
70)	ETHYLBENZENE	16.03	91	87246	0.70	PPBV		94
71)	m,p-XYLENE	16.22	106	65408	1.37	PPBV		79
72)	o-XYLENE	16.76	106	33266	0.68	PPBV		89
73)	STYRENE	16.65	104	29687	0.54	PPBV		98
74)	NONANE	16.88	43	51254	0.71	PPBV		92
75)	BROMOFORM	16.37	173	22035	0.53	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	41517	0.67	PPBV		90
78)	ISOPROPYLBENZENE	17.40	105	89452	0.70	PPBV		96
79)	2-CHLOROTOLUENE	17.97	126	18751	0.61	PPBV	#	51
80)	n-PROPYLBENZENE	17.97	120	18592	0.60	PPBV	#	34
81)	4-ETHYLTOLUENE	18.14	105	57308	0.64	PPBV		91
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	56460	0.66	PPBV		92
83)	TERT-BUTYLBENZENE	18.67	134	13007	0.57	PPBV	#	66
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	46962	0.64	PPBV		93
85)	m-DICHLOROBENZENE	18.90	146	20660	0.57	PPBV		97
86)	BENZYL CHLORIDE	18.89	91	25134	0.57	PPBV		97
87)	p-DICHLOROBENZENE	18.98	146	19308	0.56	PPBV		95
88)	SEC-BUTYLBENZENE	18.99	134	14512	0.59	PPBV		72
89)	p-ISOPROPYLTOLUENE	19.16	134	13642	0.56	PPBV		90
90)	o-DICHLOROBENZENE	19.39	146	23556	0.63	PPBV		96
91)	n-BUTYLBENZENE	19.64	134	9593	0.52	PPBV		92
92)	HEXACHLOROBUTADIENE	21.81	225	12590	0.54	PPBV		97
93)	1,2,4-TRICHLOROBENZENE	21.31	180	7537	0.59	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27039.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1138-0.5 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 9:40 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27040.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1138-0.2 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:28:59 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:28:56 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	281315	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1416822	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	661352	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	661352	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	308757	4.32	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	29092	0.22	PPBV		96
4) FREON 152A	4.98	65	9974	0.23	PPBV		98
5) CHLORODIFLUOROMETHANE	5.02	67	2499	0.17	PPBV	#	41
6) PROPYLENE	5.04	41	12708	0.23	PPBV		95
8) FREON 114	5.32	85	33384	0.24	PPBV		94
9) CHLOROMETHANE	5.26	52	5154	0.24	PPBV	#	74
10) VINYL CHLORIDE	5.42	62	13251	0.21	PPBV		98
11) 1,3-BUTADIENE	5.54	54	11810	0.23	PPBV		97
12) n-BUTANE	5.57	43	21635	0.22	PPBV	#	93
13) BROMOMETHANE	5.79	94	10154	0.21	PPBV		92
14) CHLOROETHANE	5.93	64	6441	0.20	PPBV		91
15) FREON 123	6.34	83	23300	0.22	PPBV	#	96
16) FREON 123A	6.39	117	10395	0.20	PPBV		86
17) TRICHLOROFLUOROMETHANE	6.57	101	23369	0.21	PPBV		96
18) ISOPROPYL ALCOHOL	6.76	45	17056	0.22	PPBV	#	44
19) ACETONE	6.50	58	5003	0.25	PPBV	#	78
20) PENTANE	6.82	42	13146	0.23	PPBV		91
22) IODOMETHANE	7.08	142	17413	0.19	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.15	96	9695	0.24	PPBV		89
24) CARBON DISULFIDE	7.53	76	28782	0.22	PPBV		92
25) ETHANOL	6.09	45	4549	0.21	PPBV		68
26) BROMOETHENE	6.24	106	8165	0.19	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	9328	0.24	PPBV		96
28) 3-CHLOROPROPENE	7.34	76	4323	0.20	PPBV	#	62
29) FREON 113	7.45	151	11771	0.21	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	8.09	96	9949	0.21	PPBV		89
31) TERTIARY BUTYL ALCOHOL	7.32	59	17217	0.24	PPBV	#	61
32) METHYL TERTIARY BUTYL ETHE	8.36	73	26909	0.23	PPBV		98
33) TETRAHYDROFURAN	9.85	72	3781	0.17	PPBV	#	80
34) HEXANE	9.16	57	17549	0.23	PPBV		97
35) VINYL ACETATE	8.42	86	1229	0.13	PPBV	#	1
36) 1,1-DICHLOROETHANE	8.29	63	20385	0.22	PPBV		97
37) METHYL ETHYL KETONE	8.73	72	3326	0.16	PPBV	#	76
38) cis-1,2-DICHLOROETHYLENE	9.13	96	9850	0.21	PPBV		96
39) ETHYL ACETATE	9.31	61	2814	0.22	PPBV	#	37
40) CHLOROFORM	9.37	83	19108	0.21	PPBV	#	82
41) 2,4-DIMETHYLPENTANE	10.00	57	21844	0.22	PPBV		96
42) 1,1,1-TRICHLOROETHANE	10.33	97	20910	0.22	PPBV		97
43) CARBON TETRACHLORIDE	10.94	117	19897	0.21	PPBV		99
44) 1,2-DICHLOROETHANE	10.08	62	11620	0.20	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27040.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1138-0.2 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:28:59 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:28:56 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

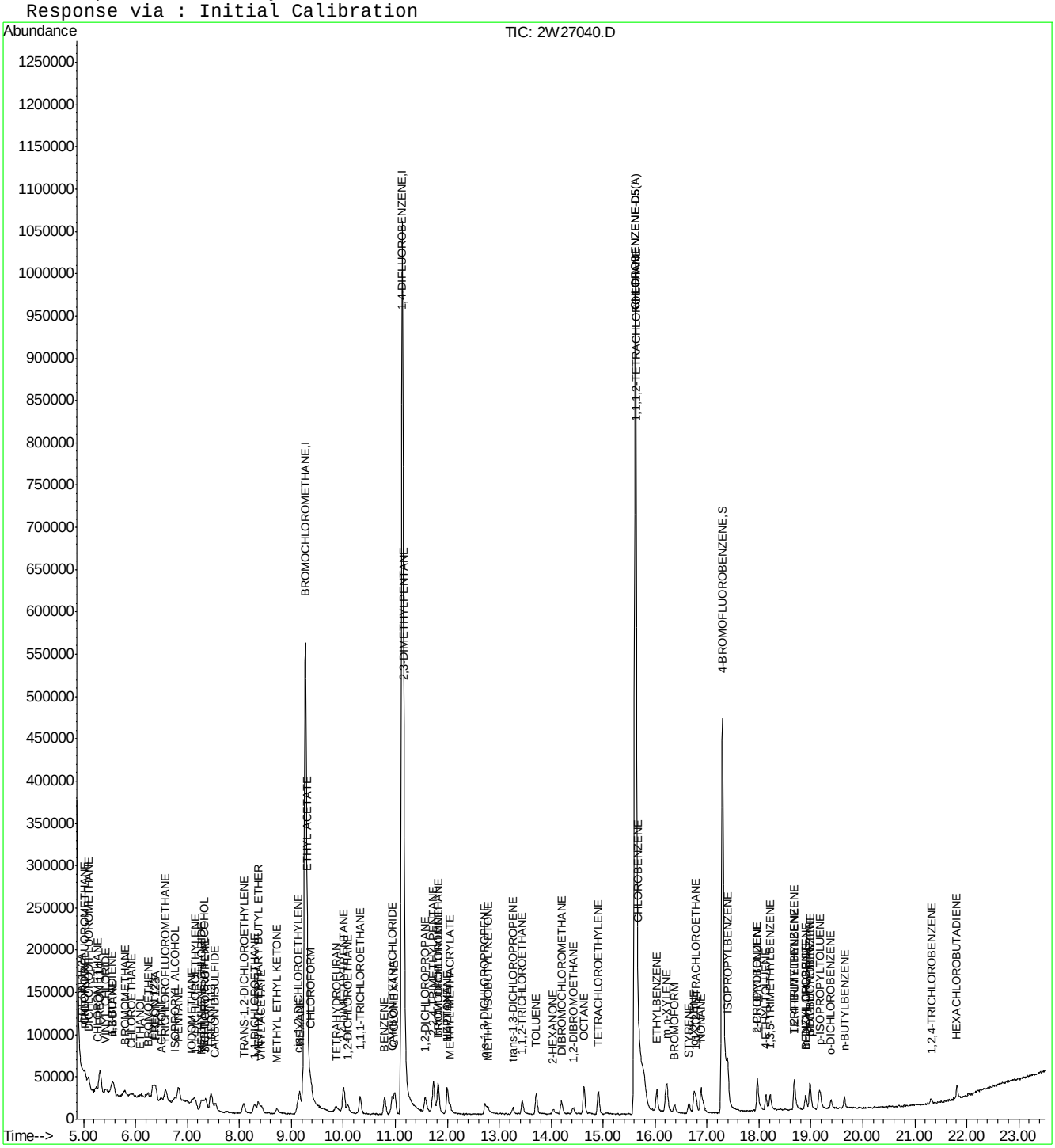
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	30691	0.21	PPBV		98
47)	CYCLOHEXANE	10.99	84	16375	0.21	PPBV		90
48)	2,3-DIMETHYLPENTANE	11.17	71	8473	0.23	PPBV	#	1
49)	TRICHLOROETHYLENE	11.83	95	11790	0.21	PPBV		95
50)	1,2-DICHLOROPROPANE	11.57	63	11537	0.20	PPBV		93
51)	BROMODICHLOROMETHANE	11.82	83	19342	0.22	PPBV		95
52)	2,2,4-TRIMETHYLPENTANE	11.74	57	52620	0.23	PPBV		99
53)	1,4-DIOXANE	12.01	88	5387	0.19	PPBV	#	1
54)	METHYL METHACRYLATE	12.06	69	7582	0.18	PPBV	#	1
55)	HEPTANE	12.00	43	20846	0.23	PPBV		89
57)	METHYL ISOBUTYL KETONE	12.78	43	13772	0.17	PPBV		89
58)	cis-1,3-DICHLOROPROPENE	12.73	75	13413	0.18	PPBV		85
59)	TOLUENE	13.71	92	16931	0.19	PPBV		91
60)	trans-1,3-DICHLOROPROPENE	13.26	75	8910	0.15	PPBV		91
61)	1,1,2-TRICHLOROETHANE	13.45	83	8105	0.18	PPBV		91
63)	2-HEXANONE	14.03	58	4134	0.12	PPBV	#	85
64)	TETRACHLOROETHYLENE	14.91	164	9066	0.20	PPBV		98
65)	DIBROMOCHLOROMETHANE	14.20	129	12537	0.18	PPBV		96
66)	1,2-DIBROMOETHANE	14.43	107	10153	0.17	PPBV	#	92
67)	OCTANE	14.63	43	22281	0.22	PPBV		92
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	9835	0.19	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	15096	0.19	PPBV	#	43
70)	ETHYLBENZENE	16.03	91	30180	0.21	PPBV		93
71)	m,p-XYLENE	16.22	106	21638	0.38	PPBV		86
72)	o-XYLENE	16.75	106	11285	0.19	PPBV	#	82
73)	STYRENE	16.65	104	8986	0.14	PPBV		95
74)	NONANE	16.88	43	16693	0.20	PPBV		95
75)	BROMOFORM	16.38	173	7665	0.16	PPBV		88
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	14236	0.20	PPBV		92
78)	ISOPROPYLBENZENE	17.40	105	30901	0.21	PPBV		95
79)	2-CHLOROTOLUENE	17.97	126	6594	0.18	PPBV	#	67
80)	n-PROPYLBENZENE	17.97	120	6265	0.17	PPBV	#	42
81)	4-ETHYLTOLUENE	18.13	105	17507	0.17	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	17292	0.17	PPBV		96
83)	TERT-BUTYLBENZENE	18.67	134	3997	0.15	PPBV	#	59
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	14616	0.17	PPBV		90
85)	m-DICHLOROBENZENE	18.90	146	6316	0.15	PPBV		90
86)	BENZYL CHLORIDE	18.90	91	7833	0.15	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	6438	0.16	PPBV		83
88)	SEC-BUTYLBENZENE	18.98	134	4287	0.15	PPBV	#	66
89)	p-ISOPROPYLTOLUENE	19.16	134	3793	0.13	PPBV		73
90)	o-DICHLOROBENZENE	19.39	146	7151	0.16	PPBV	#	75
91)	n-BUTYLBENZENE	19.65	134	3094	0.14	PPBV		88
92)	HEXACHLOROBUTADIENE	21.81	225	3773	0.14	PPBV		94
93)	1,2,4-TRICHLOROBENZENE	21.31	180	2528	0.17	PPBV		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27040.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1138-0.2 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 11:26 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27041.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1138-20 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:18:17 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:14:53 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	221629	10.00	PPBV		0.01
45) 1,4-DIFLUOROBENZENE	11.15	114	1120331	10.00	PPBV		0.01
62) CHLOROBENZENE-D5	15.63	82	641838	10.00	PPBV		0.01
94) CHLOROBENZENE-D5(A)	15.63	82	641586	10.00	PPBV		0.01
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	380776	5.07	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1995387	23.24	PPBV		95
4) FREON 152A	4.97	65	711080	25.10	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	255632	24.78	PPBV		99
6) PROPYLENE	5.04	41	883871	26.32	PPBV		97
8) FREON 114	5.32	85	2062308	21.63	PPBV		94
9) CHLOROMETHANE	5.25	52	356545	25.42	PPBV	#	88
10) VINYL CHLORIDE	5.44	62	1066720	24.28	PPBV		98
11) 1,3-BUTADIENE	5.54	54	827445	24.16	PPBV		98
12) n-BUTANE	5.58	43	1518844	23.45	PPBV	#	97
13) BROMOMETHANE	5.79	94	833883	24.48	PPBV		98
14) CHLOROETHANE	5.93	64	580067	25.63	PPBV		99
15) FREON 123	6.34	83	1625766	22.55	PPBV	#	97
16) FREON 123A	6.39	117	863728	23.93	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.58	101	1740407	22.54	PPBV		97
18) ISOPROPYL ALCOHOL	6.69	45	1540104	26.86	PPBV		99
19) ACETONE	6.46	58	404130	28.09	PPBV	#	86
20) PENTANE	6.83	42	945086	24.73	PPBV		98
22) IODOMETHANE	7.10	142	1566314	23.37	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.16	96	644412	23.25	PPBV		96
24) CARBON DISULFIDE	7.55	76	2034894	21.73	PPBV		97
25) ETHANOL	6.07	45	436277	27.34	PPBV		99
26) BROMOETHENE	6.24	106	760730	24.64	PPBV		99
27) METHYLENE CHLORIDE	7.28	84	615212	22.79	PPBV		97
28) 3-CHLOROPROPENE	7.36	76	371550	23.38	PPBV	#	92
29) FREON 113	7.46	151	927507	22.86	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	8.09	96	773242	22.90	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.20	59	1573479	23.81	PPBV		98
32) METHYL TERTIARY BUTYL ETHE	8.30	73	1909219	22.62	PPBV		98
33) TETRAHYDROFURAN	9.77	72	433342	24.81	PPBV		96
34) HEXANE	9.17	57	1119943	21.07	PPBV		99
35) VINYL ACETATE	8.42	86	187721	25.89	PPBV	#	76
36) 1,1-DICHLOROETHANE	8.29	63	1359161	21.02	PPBV		97
37) METHYL ETHYL KETONE	8.66	72	423228	25.60	PPBV	#	84
38) cis-1,2-DICHLOROETHYLENE	9.13	96	790834	22.64	PPBV		97
39) ETHYL ACETATE	9.27	61	263594	26.70	PPBV	#	85
40) CHLOROFORM	9.38	83	1482850	22.05	PPBV		97
41) 2,4-DIMETHYLPENTANE	10.02	57	1504963	21.35	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.33	97	1504013	21.74	PPBV		97
43) CARBON TETRACHLORIDE	10.95	117	1461365	21.83	PPBV		98
44) 1,2-DICHLOROETHANE	10.10	62	1023768	23.33	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27041.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1138-20 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:18:17 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:14:53 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

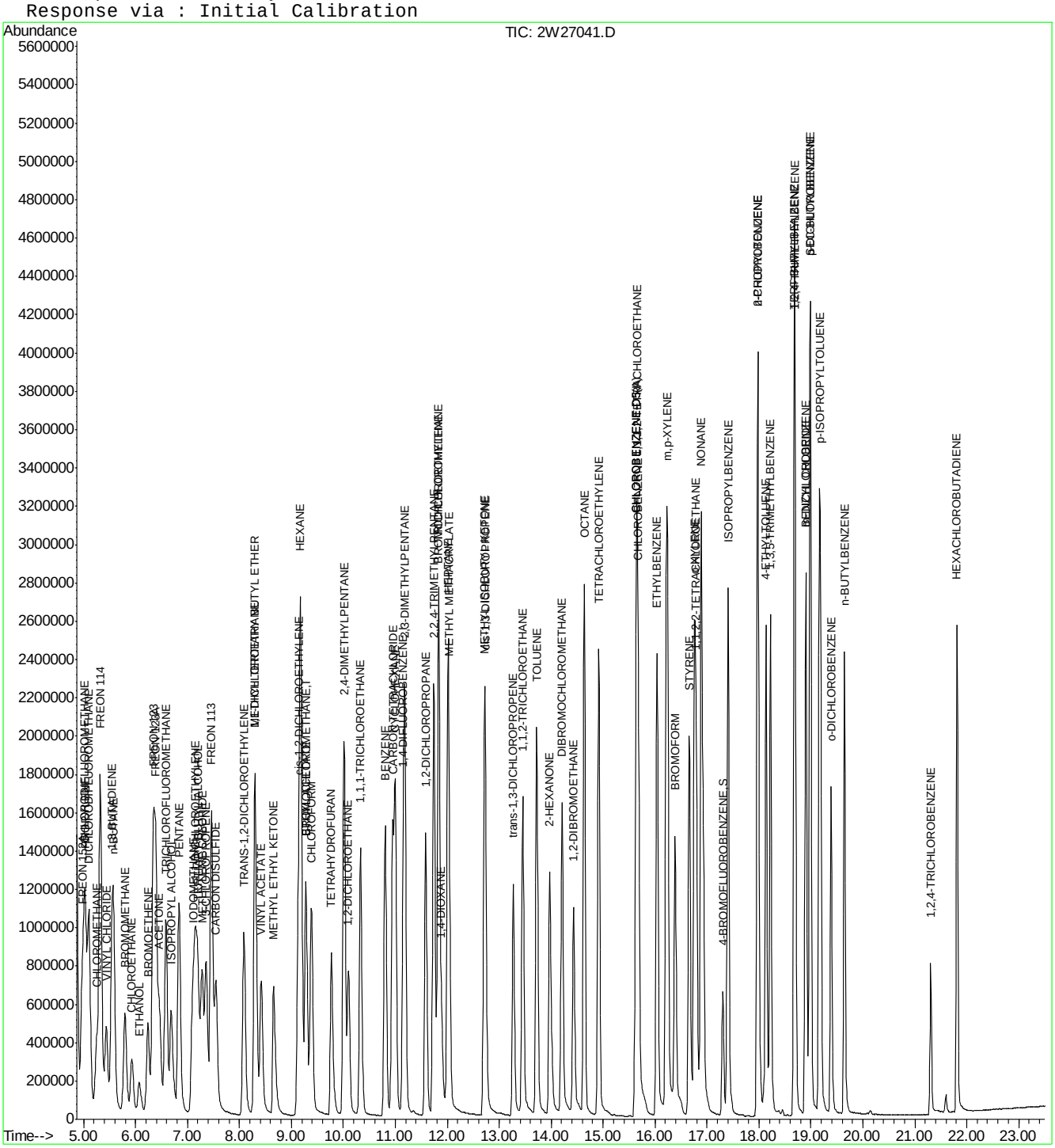
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.81	78	2245562	20.37	PPBV		97
47)	CYCLOHEXANE	11.00	84	1269156	21.33	PPBV		96
48)	2,3-DIMETHYLPENTANE	11.18	71	579764	22.00	PPBV		88
49)	TRICHLOROETHYLENE	11.84	95	894056	21.63	PPBV		98
50)	1,2-DICHLOROPROPANE	11.58	63	950687	21.66	PPBV		97
51)	BROMODICHLOROMETHANE	11.82	83	1405467	20.69	PPBV		96
52)	2,2,4-TRIMETHYLPENTANE	11.74	57	3029413	18.12	PPBV		93
53)	1,4-DIOXANE	11.89	88	498110	23.98	PPBV		99
54)	METHYL METHACRYLATE	12.03	69	788061	23.22	PPBV		88
55)	HEPTANE	12.01	43	1256267	19.56	PPBV		94
57)	METHYL ISOBUTYL KETONE	12.71	43	1565405	22.47	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	12.73	75	1278168	21.63	PPBV		97
59)	TOLUENE	13.72	92	1595601	22.14	PPBV		92
60)	trans-1,3-DICHLOROPROPENE	13.27	75	1177247	23.33	PPBV		97
61)	1,1,2-TRICHLOROETHANE	13.45	83	803161	22.42	PPBV		98
63)	2-HEXANONE	13.97	58	965935	24.79	PPBV		93
64)	TETRACHLOROETHYLENE	14.92	164	886518	21.35	PPBV		98
65)	DIBROMOCHLOROMETHANE	14.21	129	1474189	21.65	PPBV		99
66)	1,2-DIBROMOETHANE	14.43	107	1289320	22.23	PPBV		98
67)	OCTANE	14.64	43	1628258	18.26	PPBV		90
68)	1,1,1,2-TETRACHLOROETHANE	15.65	131	1071418	21.46	PPBV	#	53
69)	CHLOROBENZENE	15.68	112	1613646	20.80	PPBV		97
70)	ETHYLBENZENE	16.04	91	2582648	19.17	PPBV		91
71)	m,p-XYLENE	16.23	106	2164443	42.39	PPBV		80
72)	o-XYLENE	16.76	106	1112212	21.47	PPBV	#	88
73)	STYRENE	16.66	104	1574263	22.10	PPBV		97
74)	NONANE	16.88	43	1426241	18.11	PPBV		93
75)	BROMOFORM	16.38	173	1174582	23.01	PPBV		97
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	1394478	20.51	PPBV		95
78)	ISOPROPYLBENZENE	17.41	105	2539625	18.56	PPBV		90
79)	2-CHLOROTOLUENE	17.98	126	765124	22.60	PPBV	#	51
80)	n-PROPYLBENZENE	17.98	120	797784	22.47	PPBV	#	48
81)	4-ETHYLTOLUENE	18.14	105	2055648	18.61	PPBV		88
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1940248	19.39	PPBV		92
83)	TERT-BUTYLBENZENE	18.68	134	622839	23.07	PPBV		75
84)	1,2,4-TRIMETHYLBENZENE	18.70	105	1709261	19.74	PPBV		95
85)	m-DICHLOROBENZENE	18.90	146	1000118	22.60	PPBV		97
86)	BENZYL CHLORIDE	18.90	91	1265867	22.85	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	950718	22.83	PPBV		96
88)	SEC-BUTYLBENZENE	18.99	134	648667	22.00	PPBV	#	69
89)	p-ISOPROPYLTOLUENE	19.16	134	691683	22.79	PPBV		79
90)	o-DICHLOROBENZENE	19.39	146	971557	22.61	PPBV		97
91)	n-BUTYLBENZENE	19.65	134	558984	24.62	PPBV		78
92)	HEXACHLOROBUTADIENE	21.82	225	619536	21.99	PPBV		98
93)	1,2,4-TRICHLOROBENZENE	21.31	180	362439	28.17	PPBV		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27041.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1138-20 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 11:26 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27042.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1138-1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:35:06 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:34:58 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	293715	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1421381	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	651917	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	651917	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	324603	4.61	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	157088	1.16	PPBV		97
4) FREON 152A	4.97	65	44991	1.01	PPBV		95
5) CHLORODIFLUOROMETHANE	5.02	67	15991	1.06	PPBV	#	41
6) PROPYLENE	5.04	41	64662	1.11	PPBV		98
8) FREON 114	5.32	85	170387	1.17	PPBV		97
9) CHLOROMETHANE	5.25	52	22745	1.02	PPBV		94
10) VINYL CHLORIDE	5.43	62	71202	1.08	PPBV		99
11) 1,3-BUTADIENE	5.54	54	54948	1.04	PPBV	#	84
12) n-BUTANE	5.57	43	119714	1.17	PPBV	#	96
13) BROMOMETHANE	5.79	94	53968	1.07	PPBV		100
14) CHLOROETHANE	5.92	64	36260	1.07	PPBV		97
15) FREON 123	6.33	83	126734	1.16	PPBV	#	100
16) FREON 123A	6.38	117	62342	1.15	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.58	101	133163	1.16	PPBV		99
18) ISOPROPYL ALCOHOL	6.74	45	93236	1.12	PPBV		94
19) ACETONE	6.48	58	27171	1.18	PPBV	#	85
20) PENTANE	6.83	42	67670	1.13	PPBV		97
22) IODOMETHANE	7.09	142	105443	1.12	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.15	96	46061	1.11	PPBV		100
24) CARBON DISULFIDE	7.54	76	153209	1.13	PPBV		99
25) ETHANOL	6.10	45	25164	1.09	PPBV		95
26) BROMOETHENE	6.23	106	48217	1.09	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	44795	1.10	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	24195	1.07	PPBV	#	83
29) FREON 113	7.46	151	67495	1.14	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	51394	1.06	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.28	59	83004	1.11	PPBV		90
32) METHYL TERTIARY BUTYL ETHE	8.33	73	151477	1.24	PPBV		99
33) TETRAHYDROFURAN	9.82	72	25655	1.11	PPBV		97
34) HEXANE	9.16	57	90564	1.15	PPBV		95
35) VINYL ACETATE	8.42	86	10800	1.13	PPBV	#	92
36) 1,1-DICHLOROETHANE	8.29	63	110470	1.16	PPBV		98
37) METHYL ETHYL KETONE	8.68	72	24836	1.13	PPBV	#	88
38) cis-1,2-DICHLOROETHYLENE	9.12	96	53841	1.10	PPBV		97
39) ETHYL ACETATE	9.29	61	13123	0.99	PPBV	#	82
40) CHLOROFORM	9.37	83	106672	1.12	PPBV		98
41) 2,4-DIMETHYLPENTANE	10.00	57	114083	1.12	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.33	97	114450	1.15	PPBV		97
43) CARBON TETRACHLORIDE	10.94	117	110191	1.14	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	68501	1.11	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27042.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1138-1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:35:06 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:34:58 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

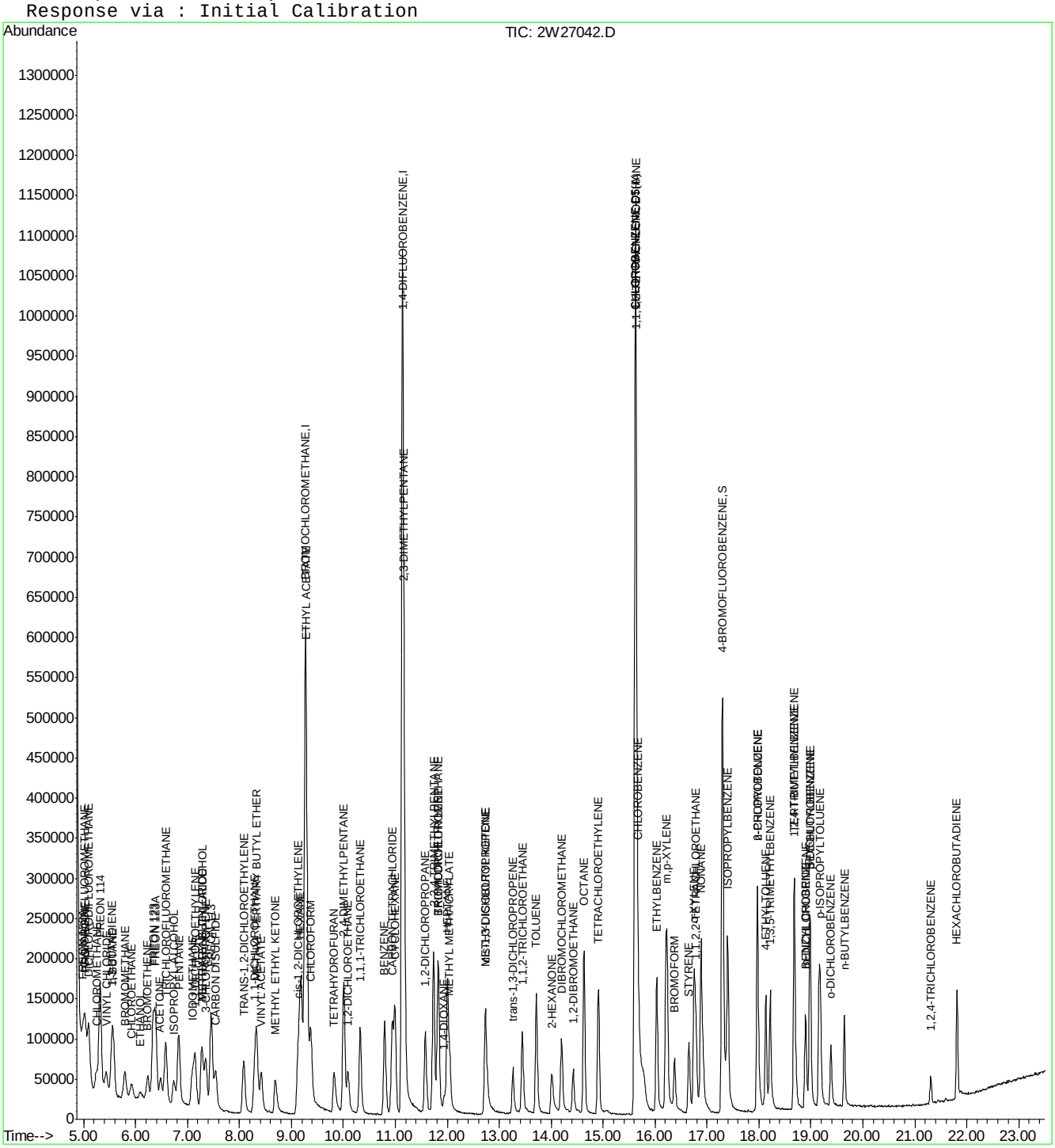
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	172345	1.18	PPBV		98
47)	CYCLOHEXANE	10.99	84	89957	1.12	PPBV		96
48)	2,3-DIMETHYLPENTANE	11.17	71	38047	1.05	PPBV	#	60
49)	TRICHLOROETHYLENE	11.83	95	64593	1.15	PPBV		98
50)	1,2-DICHLOROPROPANE	11.58	63	63243	1.10	PPBV		99
51)	BROMODICHLOROMETHANE	11.82	83	104596	1.16	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	11.74	57	285288	1.24	PPBV		96
53)	1,4-DIOXANE	11.94	88	32169	1.14	PPBV		99
54)	METHYL METHACRYLATE	12.05	69	51238	1.19	PPBV	#	1
55)	HEPTANE	12.00	43	111549	1.23	PPBV		92
57)	METHYL ISOBUTYL KETONE	12.75	43	103125	1.22	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	12.73	75	85922	1.17	PPBV		96
59)	TOLUENE	13.71	92	105529	1.15	PPBV		90
60)	trans-1,3-DICHLOROPROPENE	13.26	75	57892	0.99	PPBV		98
61)	1,1,2-TRICHLOROETHANE	13.45	83	50368	1.12	PPBV		99
63)	2-HEXANONE	14.01	58	34829	1.06	PPBV		94
64)	TETRACHLOROETHYLENE	14.91	164	57355	1.26	PPBV		97
65)	DIBROMOCHLOROMETHANE	14.21	129	84576	1.21	PPBV		96
66)	1,2-DIBROMOETHANE	14.43	107	69160	1.19	PPBV		96
67)	OCTANE	14.63	43	131573	1.32	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	62444	1.20	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	99562	1.24	PPBV		92
70)	ETHYLBENZENE	16.03	91	197271	1.36	PPBV		95
71)	m,p-XYLENE	16.22	106	146485	2.64	PPBV	#	78
72)	o-XYLENE	16.75	106	75781	1.33	PPBV		92
73)	STYRENE	16.65	104	71969	1.13	PPBV		100
74)	NONANE	16.88	43	110078	1.32	PPBV		95
75)	BROMOFORM	16.37	173	52578	1.09	PPBV		96
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	89830	1.26	PPBV		96
78)	ISOPROPYLBENZENE	17.40	105	207278	1.41	PPBV		94
79)	2-CHLOROTOLUENE	17.97	126	41662	1.18	PPBV	#	48
80)	n-PROPYLBENZENE	17.97	120	43270	1.21	PPBV	#	42
81)	4-ETHYLTOLUENE	18.13	105	141225	1.36	PPBV		93
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	134025	1.36	PPBV		94
83)	TERT-BUTYLBENZENE	18.68	134	33765	1.27	PPBV		76
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	114891	1.36	PPBV		92
85)	m-DICHLOROBENZENE	18.90	146	46668	1.11	PPBV		98
86)	BENZYL CHLORIDE	18.89	91	55205	1.08	PPBV		98
87)	p-DICHLOROBENZENE	18.98	146	43444	1.09	PPBV		98
88)	SEC-BUTYLBENZENE	18.98	134	36383	1.27	PPBV	#	70
89)	p-ISOPROPYLTOLUENE	19.16	134	33996	1.20	PPBV		77
90)	o-DICHLOROBENZENE	19.38	146	50599	1.17	PPBV		97
91)	n-BUTYLBENZENE	19.65	134	22481	1.06	PPBV		84
92)	HEXACHLOROBUTADIENE	21.81	225	33895	1.26	PPBV		91
93)	1,2,4-TRICHLOROBENZENE	21.31	180	17879	1.21	PPBV		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27042.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1138-1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 9:42 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27043.D Vial: 4
Acq On : 30 Apr 2010 10:49 pm Operator: yunxiac
Sample : ic1138-0.1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:40:51 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:40:48 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	304321	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1501869	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	696500	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	696500	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	323518	4.47	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	19481	0.14	PPBV		99
4) FREON 152A	4.97	65	6520	0.13	PPBV	#	48
5) CHLORODIFLUOROMETHANE	5.01	67	1799	0.11	PPBV	#	59
6) PROPYLENE	5.04	41	7994	0.13	PPBV		95
8) FREON 114	5.31	85	19976	0.12	PPBV		95
9) CHLOROMETHANE	5.25	52	3489	0.14	PPBV	#	22
10) VINYL CHLORIDE	5.44	62	7787	0.11	PPBV		89
11) 1,3-BUTADIENE	5.53	54	7853	0.13	PPBV		95
12) n-BUTANE	5.56	43	13989	0.13	PPBV	#	96
13) BROMOMETHANE	5.78	94	6281	0.11	PPBV		91
14) CHLOROETHANE	5.93	64	4086	0.11	PPBV	#	64
15) FREON 123	6.33	83	14068	0.12	PPBV	#	91
16) FREON 123A	6.38	117	6559	0.11	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.58	101	13736	0.11	PPBV		92
18) ISOPROPYL ALCOHOL	6.73	45	9032	0.12	PPBV	#	50
19) ACETONE	6.48	58	3469	0.16	PPBV	#	1
20) PENTANE	6.82	42	7338	0.12	PPBV		96
22) IODOMETHANE	7.08	142	10038	0.10	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.14	96	4791	0.10	PPBV		94
24) CARBON DISULFIDE	7.54	76	17162	0.13	PPBV		95
25) ETHANOL	6.09	45	2639	0.11	PPBV		78
26) BROMOETHENE	6.24	106	5316	0.11	PPBV		91
27) METHYLENE CHLORIDE	7.27	84	6677	0.16	PPBV		95
28) 3-CHLOROPROPENE	7.34	76	2293	0.10	PPBV	#	25
29) FREON 113	7.45	151	7070	0.12	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.09	96	5878	0.11	PPBV		88
31) TERTIARY BUTYL ALCOHOL	7.30	59	9952	0.14	PPBV	#	75
32) METHYL TERTIARY BUTYL ETHE	8.37	73	13289	0.11	PPBV		92
33) TETRAHYDROFURAN	9.85	72	2105	0.09	PPBV	#	65
34) HEXANE	9.16	57	9902	0.12	PPBV		94
35) VINYL ACETATE	8.42	86	555	0.06	PPBV	#	1
36) 1,1-DICHLOROETHANE	8.29	63	11370	0.11	PPBV		98
37) METHYL ETHYL KETONE	8.71	72	1594	0.07	PPBV	#	58
38) cis-1,2-DICHLOROETHYLENE	9.11	96	5713	0.11	PPBV		96
39) ETHYL ACETATE	9.31	61	839	0.06	PPBV	#	1
40) CHLOROFORM	9.37	83	10658	0.11	PPBV	#	82
41) 2,4-DIMETHYLPENTANE	10.00	57	11944	0.11	PPBV		94
42) 1,1,1-TRICHLOROETHANE	10.33	97	11998	0.11	PPBV		95
43) CARBON TETRACHLORIDE	10.93	117	11367	0.11	PPBV		97
44) 1,2-DICHLOROETHANE	10.09	62	7312	0.12	PPBV		94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27043.D Vial: 4
Acq On : 30 Apr 2010 10:49 pm Operator: yunxiac
Sample : ic1138-0.1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:40:51 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:40:48 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

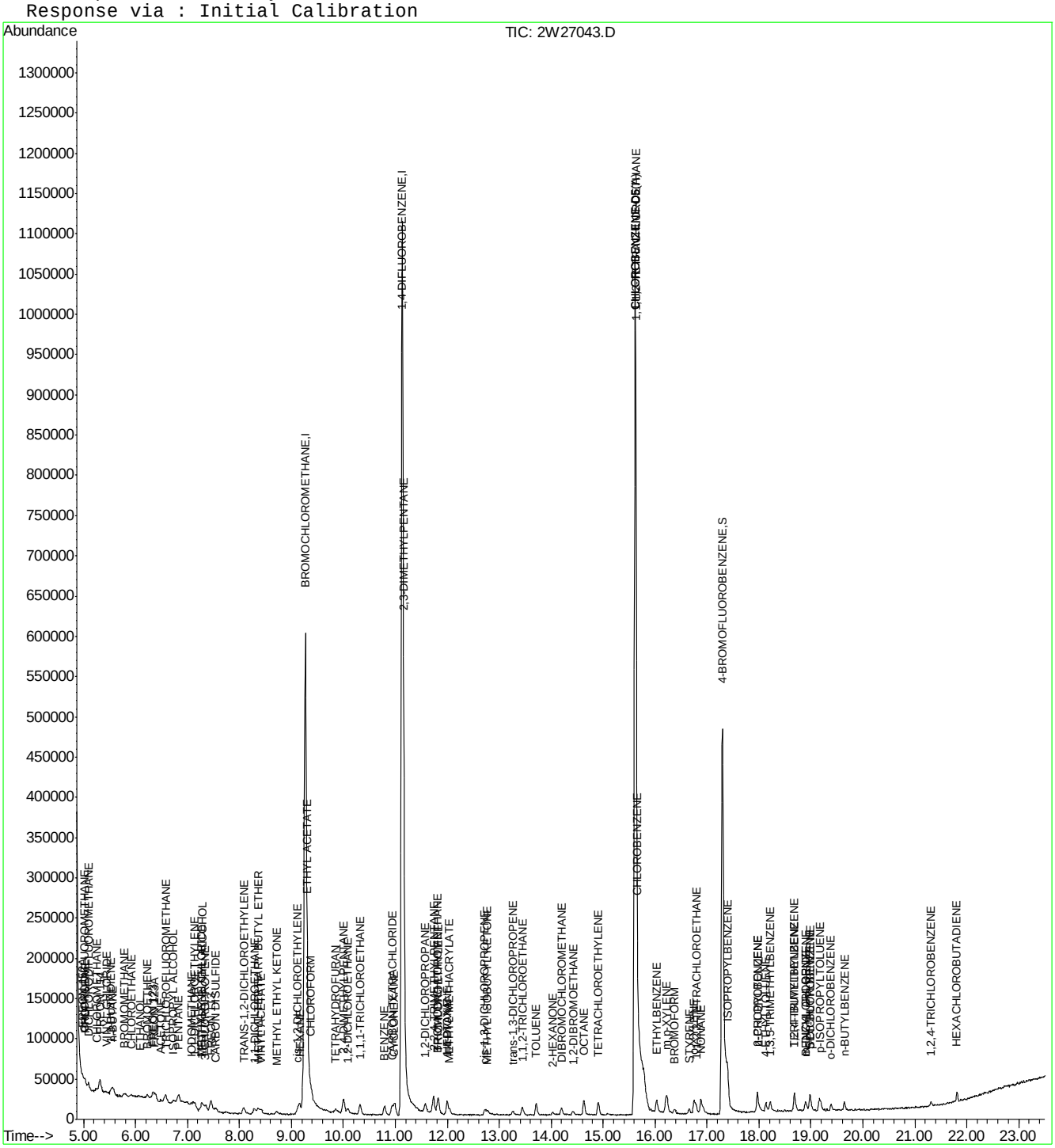
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	16825	0.11	PPBV		96
47)	CYCLOHEXANE	10.98	84	9676	0.11	PPBV		92
48)	2,3-DIMETHYLPENTANE	11.16	71	5889	0.14	PPBV	#	1
49)	TRICHLOROETHYLENE	11.83	95	6783	0.11	PPBV		96
50)	1,2-DICHLOROPROPANE	11.57	63	5544	0.09	PPBV		96
51)	BROMODICHLOROMETHANE	11.82	83	10803	0.11	PPBV		93
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	30706	0.12	PPBV		98
53)	1,4-DIOXANE	11.99	88	3186	0.11	PPBV	#	1
54)	METHYL METHACRYLATE	12.05	69	3619	0.08	PPBV	#	1
55)	HEPTANE	12.00	43	10957	0.11	PPBV		87
57)	METHYL ISOBUTYL KETONE	12.77	43	8590	0.10	PPBV		84
58)	cis-1,3-DICHLOROPROPENE	12.72	75	7864	0.10	PPBV	#	70
59)	TOLUENE	13.71	92	9654	0.10	PPBV		87
60)	trans-1,3-DICHLOROPROPENE	13.26	75	5457	0.09	PPBV		85
61)	1,1,2-TRICHLOROETHANE	13.44	83	4639	0.10	PPBV		98
63)	2-HEXANONE	14.02	58	2139	0.06	PPBV	#	80
64)	TETRACHLOROETHYLENE	14.91	164	5490	0.11	PPBV		96
65)	DIBROMOCHLOROMETHANE	14.20	129	7299	0.10	PPBV		96
66)	1,2-DIBROMOETHANE	14.43	107	5874	0.10	PPBV	#	96
67)	OCTANE	14.63	43	15754	0.14	PPBV	#	76
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	5669	0.10	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	9558	0.11	PPBV	#	44
70)	ETHYLBENZENE	16.03	91	18607	0.12	PPBV		90
71)	m,p-XYLENE	16.21	106	14181	0.24	PPBV		84
72)	o-XYLENE	16.76	106	7750	0.12	PPBV	#	86
73)	STYRENE	16.66	104	5713	0.09	PPBV		93
74)	NONANE	16.88	43	8805	0.10	PPBV		92
75)	BROMOFORM	16.37	173	4236	0.08	PPBV	#	35
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	9676	0.13	PPBV		91
78)	ISOPROPYLBENZENE	17.40	105	18892	0.12	PPBV		93
79)	2-CHLOROTOLUENE	17.97	126	4100	0.11	PPBV	#	54
80)	n-PROPYLBENZENE	17.97	120	4072	0.11	PPBV	#	37
81)	4-ETHYLTOLUENE	18.13	105	12572	0.11	PPBV		91
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	12184	0.11	PPBV		95
83)	TERT-BUTYLBENZENE	18.68	134	2430	0.09	PPBV	#	46
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	10687	0.12	PPBV		91
85)	m-DICHLOROBENZENE	18.91	146	5067	0.11	PPBV		90
86)	BENZYL CHLORIDE	18.90	91	7085	0.12	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	5151	0.12	PPBV		88
88)	SEC-BUTYLBENZENE	18.98	134	2847	0.09	PPBV		77
89)	p-ISOPROPYLTOLUENE	19.17	134	2427	0.08	PPBV	#	72
90)	o-DICHLOROBENZENE	19.39	146	5656	0.12	PPBV		96
91)	n-BUTYLBENZENE	19.65	134	2140	0.10	PPBV	#	72
92)	HEXACHLOROBUTADIENE	21.81	225	2585	0.09	PPBV		96
93)	1,2,4-TRICHLOROBENZENE	21.31	180	2422	0.15	PPBV		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27043.D Vial: 4
Acq On : 30 Apr 2010 10:49 pm Operator: yunxiac
Sample : ic1138-0.1 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 9:43 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 10:40:59 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27044.D Vial: 4
Acq On : 30 Apr 2010 11:32 pm Operator: yunxiac
Sample : ic1138-0.04 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:48:04 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:48:01 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	271044	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1279404	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	554087	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	554087	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	237921	4.13	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 82.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	6737	0.05	PPBV		94
4) FREON 152A	4.98	65	1644	0.04	PPBV	#	42
5) CHLORODIFLUOROMETHANE	5.11	67	325	0.02	PPBV		65
6) PROPYLENE	5.03	41	1148	0.02	PPBV		87
8) FREON 114	5.31	85	6471	0.05	PPBV		96
9) CHLOROMETHANE	5.26	52	815	0.04	PPBV	#	6
10) VINYL CHLORIDE	5.43	62	2705	0.04	PPBV		89
11) 1,3-BUTADIENE	5.54	54	3221	0.06	PPBV	#	14
12) n-BUTANE	5.57	43	5338	0.05	PPBV	#	92
13) BROMOMETHANE	5.80	94	2264	0.05	PPBV	#	44
14) CHLOROETHANE	5.91	64	683	0.02	PPBV	#	73
15) FREON 123	6.34	83	5102	0.05	PPBV	#	87
16) FREON 123A	6.40	117	2253	0.04	PPBV	#	68
17) TRICHLOROFLUOROMETHANE	6.60	101	4576	0.04	PPBV	#	90
19) ACETONE	6.50	58	1549	0.07	PPBV	#	66
20) PENTANE	6.83	42	2555	0.05	PPBV	#	25
22) IODOMETHANE	7.10	142	3366	0.04	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.14	96	2377	0.06	PPBV	#	60
24) CARBON DISULFIDE	7.54	76	5886	0.05	PPBV	#	75
26) BROMOETHENE	6.25	106	1484	0.04	PPBV	#	94
27) METHYLENE CHLORIDE	7.28	84	3349	0.09	PPBV		92
28) 3-CHLOROPROPENE	7.36	76	864	0.04	PPBV	#	50
30) TRANS-1,2-DICHLOROETHYLENE	8.07	96	2086	0.05	PPBV	#	59
31) TERTIARY BUTYL ALCOHOL	7.40	59	2113	0.03	PPBV	#	61
32) METHYL TERTIARY BUTYL ETHE	8.41	73	4696	0.04	PPBV	#	65
34) HEXANE	9.17	57	2962	0.04	PPBV		87
36) 1,1-DICHLOROETHANE	8.29	63	3221	0.04	PPBV		88
38) cis-1,2-DICHLOROETHYLENE	9.13	96	2319	0.05	PPBV	#	69
40) CHLOROFORM	9.38	83	3309	0.04	PPBV	#	79
41) 2,4-DIMETHYLPENTANE	10.01	57	3711	0.04	PPBV	#	95
42) 1,1,1-TRICHLOROETHANE	10.33	97	3656	0.04	PPBV		94
43) CARBON TETRACHLORIDE	10.95	117	3687	0.04	PPBV		89
44) 1,2-DICHLOROETHANE	10.09	62	1835	0.03	PPBV		94
46) BENZENE	10.80	78	5484	0.04	PPBV		94
47) CYCLOHEXANE	10.99	84	2283	0.03	PPBV	#	62
48) 2,3-DIMETHYLPENTANE	11.13	71	3096	0.09	PPBV	#	1
49) TRICHLOROETHYLENE	11.84	95	2116	0.04	PPBV		91
50) 1,2-DICHLOROPROPANE	11.58	63	3169	0.06	PPBV	#	65
51) BROMODICHLOROMETHANE	11.82	83	3314	0.04	PPBV	#	87
52) 2,2,4-TRIMETHYLPENTANE	11.74	57	9026	0.04	PPBV		92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27044.D Vial: 4
Acq On : 30 Apr 2010 11:32 pm Operator: yunxiac
Sample : ic1138-0.04 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:48:04 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:48:01 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

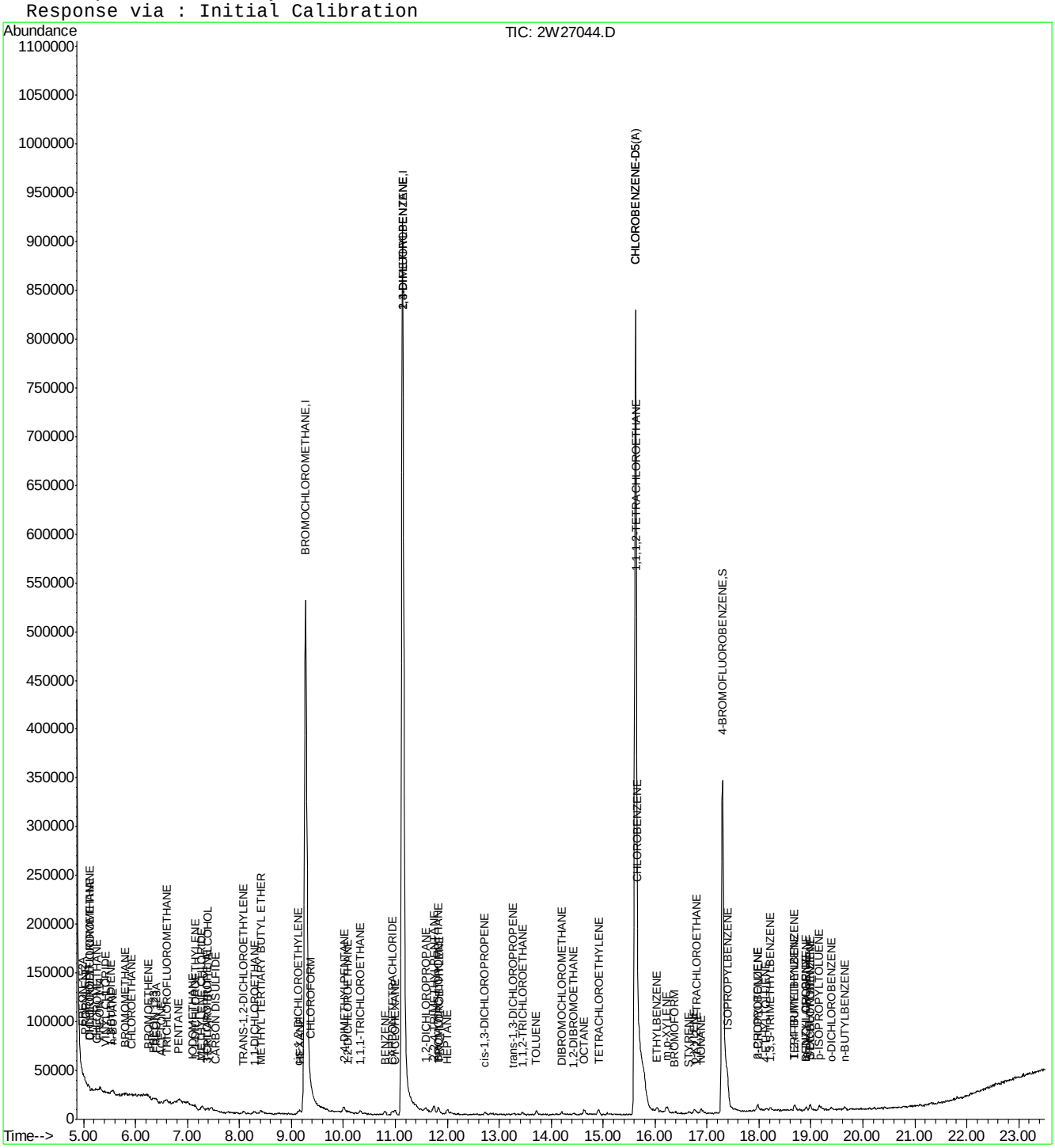
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
55)	HEPTANE	12.00	43	3722	0.04	PPBV		85
58)	cis-1,3-DICHLOROPROPENE	12.73	75	2517	0.04	PPBV	#	47
59)	TOLUENE	13.72	92	2644	0.03	PPBV	#	73
60)	trans-1,3-DICHLOROPROPENE	13.26	75	1458	0.03	PPBV	#	46
61)	1,1,2-TRICHLOROETHANE	13.45	83	1289	0.03	PPBV		92
64)	TETRACHLOROETHYLENE	14.91	164	1483	0.04	PPBV		89
65)	DIBROMOCHLOROMETHANE	14.20	129	2145	0.04	PPBV		84
66)	1,2-DIBROMOETHANE	14.43	107	1311	0.03	PPBV	#	98
67)	OCTANE	14.63	43	3612	0.04	PPBV	#	82
68)	1,1,1,2-TETRACHLOROETHANE	15.65	131	1627	0.04	PPBV	#	1
69)	CHLOROBENZENE	15.67	112	2546	0.04	PPBV	#	37
70)	ETHYLBENZENE	16.04	91	4326	0.03	PPBV		85
71)	m,p-XYLENE	16.22	106	3321	0.07	PPBV		91
72)	o-XYLENE	16.76	106	1605	0.03	PPBV	#	68
73)	STYRENE	16.66	104	1201	0.02	PPBV	#	68
74)	NONANE	16.88	43	1941	0.03	PPBV	#	92
75)	BROMOFORM	16.37	173	1057	0.03	PPBV	#	90
77)	1,1,2,2-TETRACHLOROETHANE	16.80	83	1743	0.03	PPBV	#	86
78)	ISOPROPYLBENZENE	17.40	105	5295	0.04	PPBV		89
79)	2-CHLOROTOLUENE	17.97	126	1109	0.04	PPBV	#	59
80)	n-PROPYLBENZENE	17.98	120	776	0.03	PPBV	#	1
81)	4-ETHYLTOLUENE	18.13	105	2944	0.03	PPBV		89
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	3452	0.04	PPBV		85
83)	TERT-BUTYLBENZENE	18.67	134	492	0.02	PPBV	#	9
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	2921	0.04	PPBV	#	83
85)	m-DICHLOROBENZENE	18.91	146	1401	0.04	PPBV	#	70
86)	BENZYL CHLORIDE	18.91	91	2316	0.05	PPBV		81
87)	p-DICHLOROBENZENE	18.97	146	1153	0.03	PPBV	#	58
88)	SEC-BUTYLBENZENE	18.99	134	554	0.02	PPBV	#	1
89)	p-ISOPROPYLTOLUENE	19.16	134	737	0.03	PPBV	#	37
90)	o-DICHLOROBENZENE	19.39	146	1542	0.04	PPBV	#	69
91)	n-BUTYLBENZENE	19.66	134	667	0.04	PPBV	#	67

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27044.D Vial: 4
Acq On : 30 Apr 2010 11:32 pm Operator: yunxiac
Sample : ic1138-0.04 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 9:43 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:39:16 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27045.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1138-40 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:18:30 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:14:53 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	243474	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1286734	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	761915	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	761915	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	456623	5.12	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	3256151	34.52	PPBV		85
4) FREON 152A	4.97	65	1366385	43.90	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	510352	45.04	PPBV		100
6) PROPYLENE	5.03	41	1541461	41.78	PPBV		95
8) FREON 114	5.31	85	3141191	29.99	PPBV		84
9) CHLOROMETHANE	5.24	52	666261	43.24	PPBV	#	77
10) VINYL CHLORIDE	5.43	62	1838054	38.09	PPBV		96
11) 1,3-BUTADIENE	5.53	54	1414881	37.61	PPBV		95
12) n-BUTANE	5.57	43	2377768	33.41	PPBV	#	93
13) BROMOMETHANE	5.78	94	1414058	37.79	PPBV		96
14) CHLOROETHANE	5.91	64	987678	39.72	PPBV		98
15) FREON 123	6.33	83	2516681	31.77	PPBV	#	91
16) FREON 123A	6.38	117	1479106	37.31	PPBV		86
17) TRICHLOROFLUOROMETHANE	6.57	101	2869127	33.82	PPBV		91
18) ISOPROPYL ALCOHOL	6.64	45	2086780	33.13	PPBV		94
19) ACETONE	6.44	58	652688	41.30	PPBV	#	77
20) PENTANE	6.82	42	1421681	33.87	PPBV		96
22) IODOMETHANE	7.09	142	2626249	35.67	PPBV		93
23) 1,1-DICHLOROETHYLENE	7.14	96	1107540	36.38	PPBV		91
24) CARBON DISULFIDE	7.54	76	3258587	31.68	PPBV		91
25) ETHANOL	6.04	45	694508	39.62	PPBV		99
26) BROMOETHENE	6.22	106	1291940	38.09	PPBV		97
27) METHYLENE CHLORIDE	7.27	84	1094512	36.91	PPBV		94
28) 3-CHLOROPROPENE	7.34	76	664073	38.04	PPBV	#	83
29) FREON 113	7.45	151	1614190	36.21	PPBV		92
30) TRANS-1,2-DICHLOROETHYLENE	8.07	96	1347040	36.31	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.17	59	2033570	28.01	PPBV		93
32) METHYL TERTIARY BUTYL ETHE	8.28	73	2969877	32.03	PPBV		94
33) TETRAHYDROFURAN	9.75	72	760123	39.61	PPBV	#	89
34) HEXANE	9.16	57	1724945	29.53	PPBV		98
35) VINYL ACETATE	8.40	86	355887	44.68	PPBV	#	43
36) 1,1-DICHLOROETHANE	8.28	63	2174091	30.60	PPBV		91
37) METHYL ETHYL KETONE	8.63	72	761029	41.91	PPBV	#	63
38) cis-1,2-DICHLOROETHYLENE	9.12	96	1361922	35.50	PPBV		92
39) ETHYL ACETATE	9.26	61	469000	43.25	PPBV	#	67
40) CHLOROFORM	9.37	83	2431729	32.92	PPBV		92
41) 2,4-DIMETHYLPENTANE	10.00	57	2359148	30.46	PPBV	#	94
42) 1,1,1-TRICHLOROETHANE	10.32	97	2448555	32.21	PPBV		92
43) CARBON TETRACHLORIDE	10.94	117	2422398	32.94	PPBV		95
44) 1,2-DICHLOROETHANE	10.09	62	1766029	36.63	PPBV		94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27045.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1138-40 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 08:18:30 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 08:14:53 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

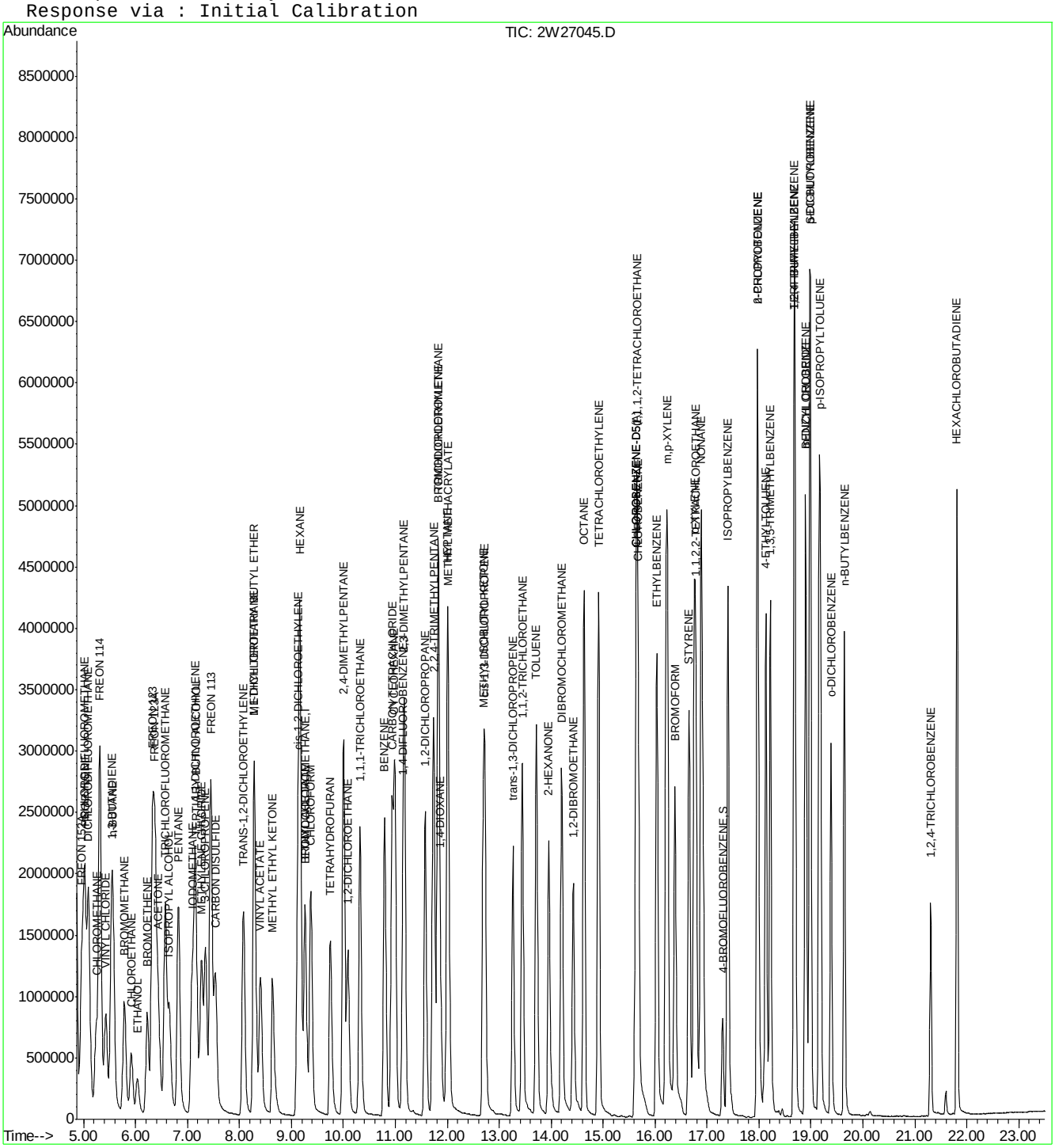
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	3430653	27.10	PPBV		90
47)	CYCLOHEXANE	10.99	84	2170743	31.76	PPBV		91
48)	2,3-DIMETHYLPENTANE	11.17	71	1009989	33.36	PPBV		75
49)	TRICHLOROETHYLENE	11.83	95	1484762	31.27	PPBV		94
50)	1,2-DICHLOROPROPANE	11.57	63	1560851	30.96	PPBV		90
51)	BROMODICHLOROMETHANE	11.82	83	2219978	28.45	PPBV		91
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	4037630	21.03	PPBV		81
53)	1,4-DIOXANE	11.87	88	871036	36.51	PPBV		99
54)	METHYL METHACRYLATE	12.02	69	1296891	33.26	PPBV		78
55)	HEPTANE	12.00	43	1844480	25.01	PPBV		86
57)	METHYL ISOBUTYL KETONE	12.69	43	2289178	28.62	PPBV		86
58)	cis-1,3-DICHLOROPROPENE	12.73	75	2069136	30.48	PPBV		91
59)	TOLUENE	13.71	92	2549106	30.80	PPBV	#	83
60)	trans-1,3-DICHLOROPROPENE	13.26	75	1990562	34.35	PPBV		93
61)	1,1,2-TRICHLOROETHANE	13.44	83	1341009	32.60	PPBV		96
63)	2-HEXANONE	13.95	58	1565089	33.83	PPBV	#	84
64)	TETRACHLOROETHYLENE	14.91	164	1497293	30.38	PPBV		96
65)	DIBROMOCHLOROMETHANE	14.20	129	2464453	30.48	PPBV		95
66)	1,2-DIBROMOETHANE	14.43	107	2177712	31.63	PPBV		95
67)	OCTANE	14.63	43	2288907	21.62	PPBV	#	78
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	1793570	30.26	PPBV	#	40
69)	CHLOROBENZENE	15.68	112	2523785	27.40	PPBV		90
70)	ETHYLBENZENE	16.03	91	3604433	22.53	PPBV		78
71)	m,p-XYLENE	16.23	106	3323701	54.84	PPBV	#	61
72)	o-XYLENE	16.76	106	1818163	29.57	PPBV	#	75
73)	STYRENE	16.65	104	2518862	29.79	PPBV		90
74)	NONANE	16.88	43	1971788	21.09	PPBV		82
75)	BROMOFORM	16.38	173	2047355	33.79	PPBV		90
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	2129432	26.39	PPBV		91
78)	ISOPROPYLBENZENE	17.39	105	3447113	21.22	PPBV		75
79)	2-CHLOROTOLUENE	17.97	126	1341808	33.39	PPBV	#	13
80)	n-PROPYLBENZENE	17.97	120	1339459	31.78	PPBV	#	11
81)	4-ETHYLTOLUENE	18.13	105	2994405	22.84	PPBV		74
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	2745899	23.11	PPBV		80
83)	TERT-BUTYLBENZENE	18.68	134	1097841	34.26	PPBV	#	51
84)	1,2,4-TRIMETHYLBENZENE	18.69	105	2489390	24.22	PPBV		90
85)	m-DICHLOROBENZENE	18.90	146	1705397	32.46	PPBV		90
86)	BENZYL CHLORIDE	18.89	91	2082564	31.66	PPBV		87
87)	p-DICHLOROBENZENE	18.98	146	1618018	32.73	PPBV		90
88)	SEC-BUTYLBENZENE	18.99	134	1099175	31.41	PPBV	#	42
89)	p-ISOPROPYLTOLUENE	19.16	134	1196667	33.21	PPBV	#	59
90)	o-DICHLOROBENZENE	19.39	146	1624930	31.86	PPBV		90
91)	n-BUTYLBENZENE	19.65	134	1017886	37.77	PPBV	#	55
92)	HEXACHLOROBUTADIENE	21.81	225	1105447	33.05	PPBV		94
93)	1,2,4-TRICHLOROBENZENE	21.31	180	734375	48.09	PPBV		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27045.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1138-40 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 11:42 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:39:16 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27037A.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:50:23 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:49:51 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	252630	10.00	PPBV	0.00
31) 1,4-DIFLUOROBENZENE	11.13	114	1221985	10.00	PPBV	0.00
46) CHLOROBENZENE-D5	15.62	82	660125	10.00	PPBV	0.00
System Monitoring Compounds						
56) 4-BROMOFLUOROBENZENE	17.30	95	391299	5.36	PPBV	0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 107.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	5.09	85	969013	8.37	PPBV	100
3) FREON 114	5.31	85	1077807	8.50	PPBV	100
4) CHLOROMETHANE	5.25	52	152696	8.31	PPBV	100
5) VINYL CHLORIDE	5.43	62	487737	8.68	PPBV	100
6) 1,3-BUTADIENE	5.54	54	386693	8.60	PPBV	100
7) BROMOMETHANE	5.79	94	387275	8.87	PPBV	100
8) CHLOROETHANE	5.92	64	258301	8.84	PPBV	100
9) TRICHLOROFLUOROMETHANE	6.57	101	879434	8.86	PPBV	100
10) ISOPROPYL ALCOHOL	6.67	45	646671	10.68	PPBV	100
11) ACETONE	6.45	58	163849	9.82	PPBV	95
12) 1,1-DICHLOROETHYLENE	7.14	96	315868	8.74	PPBV	100
13) CARBON DISULFIDE	7.54	76	1059895	9.05	PPBV	100
14) ETHANOL	6.05	45	183278	9.70	PPBV	100
15) BROMOETHENE	6.23	106	350709	9.10	PPBV	100
16) METHYLENE CHLORIDE	7.27	84	305473	8.61	PPBV	100
17) 3-CHLOROPROPENE	7.34	76	181356	9.22	PPBV	99
18) FREON 113	7.45	151	462010	8.94	PPBV	100
19) TRANS-1,2-DICHLOROETHYLENE	8.07	96	380470	9.23	PPBV	100
20) TERTIARY BUTYL ALCOHOL	7.19	59	747488	14.49	PPBV	100
21) METHYL TERTIARY BUTYL ETHE	8.29	73	956624	9.18	PPBV	100
22) TETRAHYDROFURAN	9.77	42	475412	9.81	PPBV	100
23) HEXANE	9.16	57	605217	8.85	PPBV	100
24) 1,1-DICHLOROETHANE	8.29	63	737246	8.97	PPBV	100
25) METHYL ETHYL KETONE	8.65	72	187597	9.98	PPBV	100
26) cis-1,2-DICHLOROETHYLENE	9.12	96	397147	9.49	PPBV	100
27) CHLOROFORM	9.37	83	763303	9.27	PPBV	100
28) 1,1,1-TRICHLOROETHANE	10.32	97	785547	9.05	PPBV	100
29) CARBON TETRACHLORIDE	10.93	117	762455	9.09	PPBV	100
30) 1,2-DICHLOROETHANE	10.09	62	485820	9.25	PPBV	100
32) BENZENE	10.79	78	1196565	9.54	PPBV	100
33) CYCLOHEXANE	10.99	84	645439	9.34	PPBV	100
34) TRICHLOROETHYLENE	11.83	95	450202	9.40	PPBV	100
35) 1,2-DICHLOROPROPANE	11.57	63	473549	9.69	PPBV	100
36) BROMODICHLOROMETHANE	11.82	83	720530	9.53	PPBV	100
37) 2,2,4-TRIMETHYLPENTANE	11.73	57	1833058	9.18	PPBV	100
38) 1,4-DIOXANE	11.88	88	212709	10.49	PPBV	100
39) HEPTANE	12.00	43	693587	8.95	PPBV	100
40) METHYL METHACRYLATE	12.02	69	364797	10.22	PPBV	100
41) METHYL ISOBUTYL KETONE	12.70	43	766413	10.82	PPBV	100
42) cis-1,3-DICHLOROPROPENE	12.72	75	642832	10.18	PPBV	100
43) TOLUENE	13.71	92	785066	10.02	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27037A.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:50:23 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:49:51 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

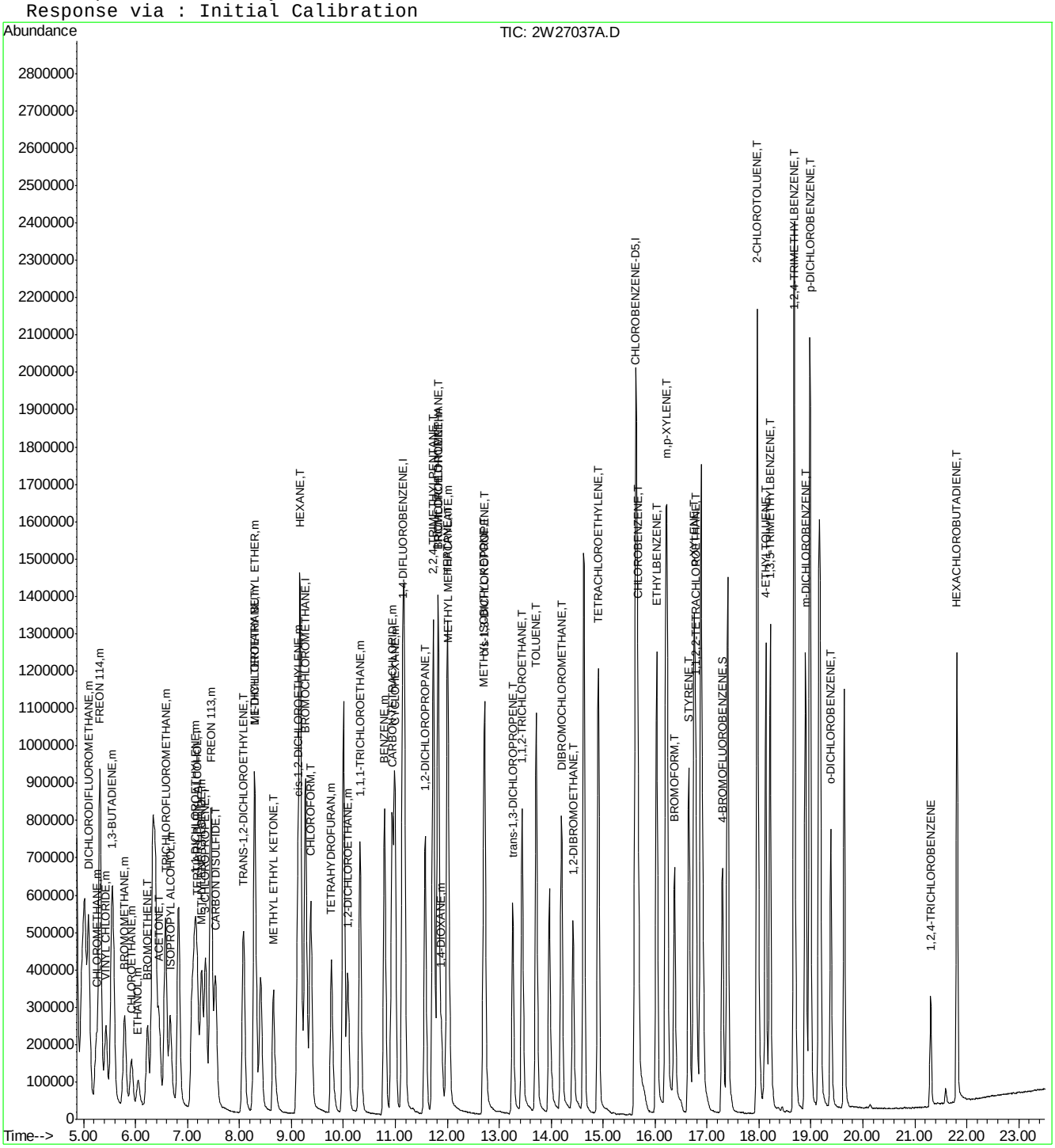
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	539517	11.09	PPBV	99
45)	1,1,2-TRICHLOROETHANE	13.44	83	384690	10.15	PPBV	100
47)	TETRACHLOROETHYLENE	14.91	164	427115	9.18	PPBV	100
48)	DIBROMOCHLOROMETHANE	14.20	129	697436	9.89	PPBV	100
49)	1,2-DIBROMOETHANE	14.42	107	594214	10.06	PPBV	100
50)	CHLOROBENZENE	15.67	112	776575	9.88	PPBV	100
51)	ETHYLBENZENE	16.03	91	1401500	9.42	PPBV	100
52)	m,p-XYLENE	16.22	106	1047865	19.07	PPBV	100
53)	o-XYLENE	16.75	106	538732	9.34	PPBV	100
54)	STYRENE	16.65	104	747592	11.37	PPBV	100
55)	BROMOFORM	16.38	173	525347	10.53	PPBV	100
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	697407	9.81	PPBV	100
58)	2-CHLOROTOLUENE	17.97	126	350749	9.71	PPBV	100
59)	4-ETHYLTOLUENE	18.13	105	1158694	10.69	PPBV	100
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	1027956	10.22	PPBV	100
61)	1,2,4-TRIMETHYLBENZENE	18.68	105	896032	10.26	PPBV	100
62)	m-DICHLOROBENZENE	18.90	146	460376	10.64	PPBV	100
63)	p-DICHLOROBENZENE	18.98	146	428911	10.50	PPBV	100
64)	o-DICHLOROBENZENE	19.38	146	445724	10.06	PPBV	100
65)	HEXACHLOROBUTADIENE	21.81	225	290616	10.49	PPBV	100
66)	1,2,4-TRICHLOROBENZENE	21.31	180	121461	8.60	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27037A.D Vial: 2
Acq On : 30 Apr 2010 5:48 pm Operator: yunxiac
Sample : icc1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:50 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST. JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27038A.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1139-5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:45:48 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:45:30 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	251363	10.00	PPBV	0.00
31) 1,4-DIFLUOROBENZENE	11.13	114	1206704	10.00	PPBV	0.00
46) CHLOROBENZENE-D5	15.62	82	621111	10.00	PPBV	0.00
System Monitoring Compounds						
56) 4-BROMOFLUOROBENZENE	17.30	95	349686	4.73	PPBV	0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 94.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	529645	5.51	PPBV	99
3) FREON 114	5.31	85	572854	5.34	PPBV	98
4) CHLOROMETHANE	5.25	52	76404	4.97	PPBV	92
5) VINYL CHLORIDE	5.43	62	244771	5.05	PPBV	99
6) 1,3-BUTADIENE	5.54	54	190662	4.96	PPBV	98
7) BROMOMETHANE	5.79	94	187870	4.88	PPBV	100
8) CHLOROETHANE	5.93	64	122388	4.76	PPBV	99
9) TRICHLOROFLUOROMETHANE	6.58	101	432939	4.95	PPBV	98
10) ISOPROPYL ALCOHOL	6.68	45	289970	4.51	PPBV	99
11) ACETONE	6.46	58	59229	3.63	PPBV	93
12) 1,1-DICHLOROETHYLENE	7.14	96	150374	4.79	PPBV	97
13) CARBON DISULFIDE	7.54	76	535784	5.08	PPBV	98
14) ETHANOL	6.06	45	71864	3.94	PPBV	98
15) BROMOETHENE	6.23	106	168192	4.82	PPBV	99
16) METHYLENE CHLORIDE	7.27	84	143717	4.73	PPBV	99
17) 3-CHLOROPROPENE	7.35	76	85031	4.71	PPBV	98
18) FREON 113	7.45	151	222126	4.84	PPBV	99
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	177198	4.68	PPBV	99
20) TERTIARY BUTYL ALCOHOL	7.20	59	349147	4.67	PPBV	98
21) METHYL TERTIARY BUTYL ETHE	8.31	73	371620	3.92	PPBV	98
22) TETRAHYDROFURAN	9.78	42	172437	3.65	PPBV	99
23) HEXANE	9.16	57	296865	4.93	PPBV	97
24) 1,1-DICHLOROETHANE	8.29	63	362470	4.94	PPBV	99
25) METHYL ETHYL KETONE	8.66	72	65685	3.52	PPBV	93
26) cis-1,2-DICHLOROETHYLENE	9.12	96	180999	4.58	PPBV	98
27) CHLOROFORM	9.37	83	358080	4.71	PPBV	99
28) 1,1,1-TRICHLOROETHANE	10.32	97	377244	4.83	PPBV	99
29) CARBON TETRACHLORIDE	10.94	117	362648	4.78	PPBV	99
30) 1,2-DICHLOROETHANE	10.09	62	215195	4.44	PPBV	99
32) BENZENE	10.79	78	552571	4.67	PPBV	98
33) CYCLOHEXANE	10.99	84	301087	4.72	PPBV	97
34) TRICHLOROETHYLENE	11.83	95	201001	4.52	PPBV	98
35) 1,2-DICHLOROPROPANE	11.57	63	206830	4.42	PPBV	98
36) BROMODICHLOROMETHANE	11.81	83	332576	4.67	PPBV	98
37) 2,2,4-TRIMETHYLPENTANE	11.73	57	951876	5.25	PPBV	96
38) 1,4-DIOXANE	11.89	88	84315	4.01	PPBV	99
39) HEPTANE	12.00	43	334599	4.88	PPBV	96
40) METHYL METHACRYLATE	12.03	69	120747	3.35	PPBV #	1
41) METHYL ISOBUTYL KETONE	12.71	43	305029	4.05	PPBV	97
42) cis-1,3-DICHLOROPROPENE	12.72	75	274153	4.31	PPBV	100
43) TOLUENE	13.71	92	322201	4.15	PPBV	94

(#) = qualifier out of range (m) = manual integration
2W27038A.D M2W1139.M Mon May 03 15:23:22 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27038A.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1139-5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:45:48 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:45:30 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

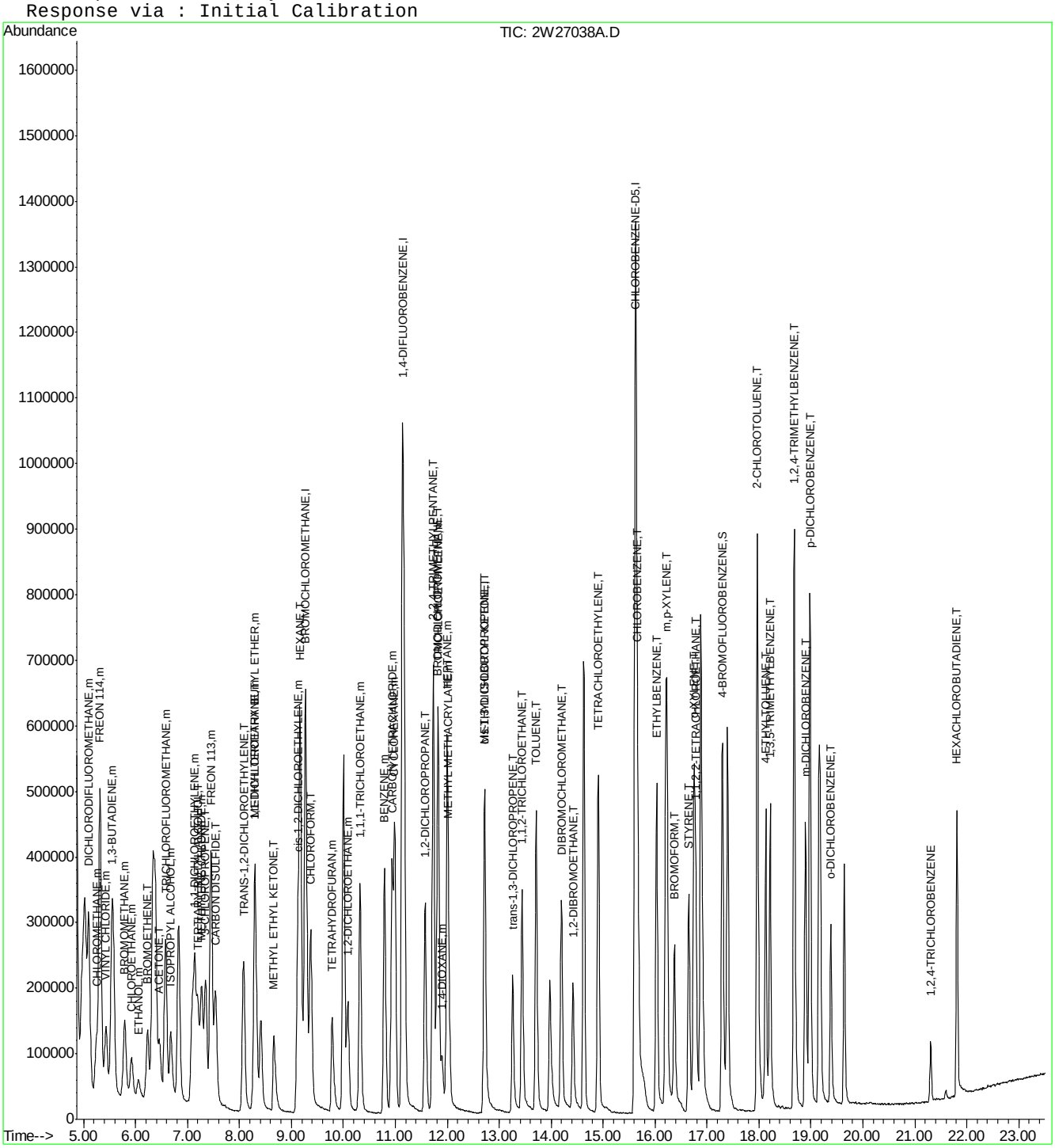
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	207477	3.93	PPBV		99
45)	1,1,2-TRICHLOROETHANE	13.44	83	159035	4.18	PPBV		98
47)	TETRACHLOROETHYLENE	14.91	164	183871	4.57	PPBV		98
48)	DIBROMOCHLOROMETHANE	14.19	129	286560	4.36	PPBV		98
49)	1,2-DIBROMOETHANE	14.42	107	231241	4.13	PPBV		99
50)	CHLOROBENZENE	15.67	112	316616	4.32	PPBV		97
51)	ETHYLBENZENE	16.03	91	581957	4.40	PPBV		96
52)	m,p-XYLENE	16.21	106	411807	8.30	PPBV		88
53)	o-XYLENE	16.75	106	208740	4.11	PPBV		92
54)	STYRENE	16.65	104	264113	3.75	PPBV		100
55)	BROMOFORM	16.37	173	202719	4.05	PPBV		98
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	282219	4.29	PPBV		98
58)	2-CHLOROTOLUENE	17.97	126	137887	4.17	PPBV	#	75
59)	4-ETHYLTOLUENE	18.13	105	430270	3.94	PPBV		96
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	394298	4.05	PPBV		96
61)	1,2,4-TRIMETHYLBENZENE	18.68	105	334361	3.96	PPBV		95
62)	m-DICHLOROBENZENE	18.90	146	173324	3.99	PPBV		99
63)	p-DICHLOROBENZENE	18.98	146	158836	3.93	PPBV		98
64)	o-DICHLOROBENZENE	19.38	146	171793	4.09	PPBV		98
65)	HEXACHLOROBUTADIENE	21.81	225	111305	4.05	PPBV		96
66)	1,2,4-TRICHLOROBENZENE	21.31	180	38179	3.33	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27038A.D Vial: 2
Acq On : 30 Apr 2010 6:31 pm Operator: yunxiac
Sample : ic1139-5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:45 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27039A.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1139-0.5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:58:22 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:19 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	251234	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.13	114	1196325	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	547485	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	276318	4.57	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 91.40%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	73038	0.63	PPBV		99
3) FREON 114	5.31	85	82049	0.65	PPBV		98
4) CHLOROMETHANE	5.26	52	9622	0.53	PPBV		90
5) VINYL CHLORIDE	5.43	62	34259	0.61	PPBV		99
6) 1,3-BUTADIENE	5.54	54	27539	0.62	PPBV		94
7) BROMOMETHANE	5.79	94	25768	0.59	PPBV		99
8) CHLOROETHANE	5.91	64	17027	0.59	PPBV		96
9) TRICHLOROFLUOROMETHANE	6.58	101	61020	0.62	PPBV		99
10) ISOPROPYL ALCOHOL	6.75	45	39412	0.57	PPBV		75
11) ACETONE	6.50	58	12276	0.62	PPBV	#	90
12) 1,1-DICHLOROETHYLENE	7.15	96	20290	0.56	PPBV		90
13) CARBON DISULFIDE	7.54	76	70683	0.61	PPBV		97
14) ETHANOL	6.10	45	11242	0.60	PPBV		91
15) BROMOETHENE	6.22	106	22264	0.58	PPBV		98
16) METHYLENE CHLORIDE	7.27	84	21688	0.61	PPBV		95
17) 3-CHLOROPROPENE	7.36	76	11414	0.58	PPBV	#	71
18) FREON 113	7.46	151	31354	0.61	PPBV		97
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	23879	0.58	PPBV		96
20) TERTIARY BUTYL ALCOHOL	7.31	59	42931	0.69	PPBV	#	73
21) METHYL TERTIARY BUTYL ETHE	8.35	73	63662	0.61	PPBV		96
22) TETRAHYDROFURAN	9.84	42	26901	0.56	PPBV		98
23) HEXANE	9.16	57	44882	0.66	PPBV		95
24) 1,1-DICHLOROETHANE	8.29	63	52426	0.64	PPBV		97
25) METHYL ETHYL KETONE	8.71	72	9435	0.50	PPBV	#	79
26) cis-1,2-DICHLOROETHYLENE	9.13	96	23824	0.57	PPBV		91
27) CHLOROFORM	9.37	83	50012	0.61	PPBV		93
28) 1,1,1-TRICHLOROETHANE	10.33	97	53440	0.62	PPBV		98
29) CARBON TETRACHLORIDE	10.94	117	52386	0.63	PPBV		98
30) 1,2-DICHLOROETHANE	10.09	62	30787	0.59	PPBV		99
32) BENZENE	10.79	78	79931	0.65	PPBV		98
33) CYCLOHEXANE	10.99	84	43173	0.64	PPBV		93
34) TRICHLOROETHYLENE	11.83	95	29755	0.63	PPBV		96
35) 1,2-DICHLOROPROPANE	11.58	63	30495	0.64	PPBV		95
36) BROMODICHLOROMETHANE	11.82	83	46883	0.63	PPBV		99
37) 2,2,4-TRIMETHYLPENTANE	11.74	57	138652	0.71	PPBV		97
38) 1,4-DIOXANE	11.97	88	13957	0.60	PPBV	#	1
39) HEPTANE	12.00	43	54158	0.71	PPBV		91
40) METHYL METHACRYLATE	12.05	69	21365	0.61	PPBV	#	34
41) METHYL ISOBUTYL KETONE	12.76	43	39081	0.56	PPBV		91
42) cis-1,3-DICHLOROPROPENE	12.72	75	35736	0.58	PPBV		96
43) TOLUENE	13.71	92	45691	0.60	PPBV		87

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27039A.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1139-0.5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:58:22 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:19 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

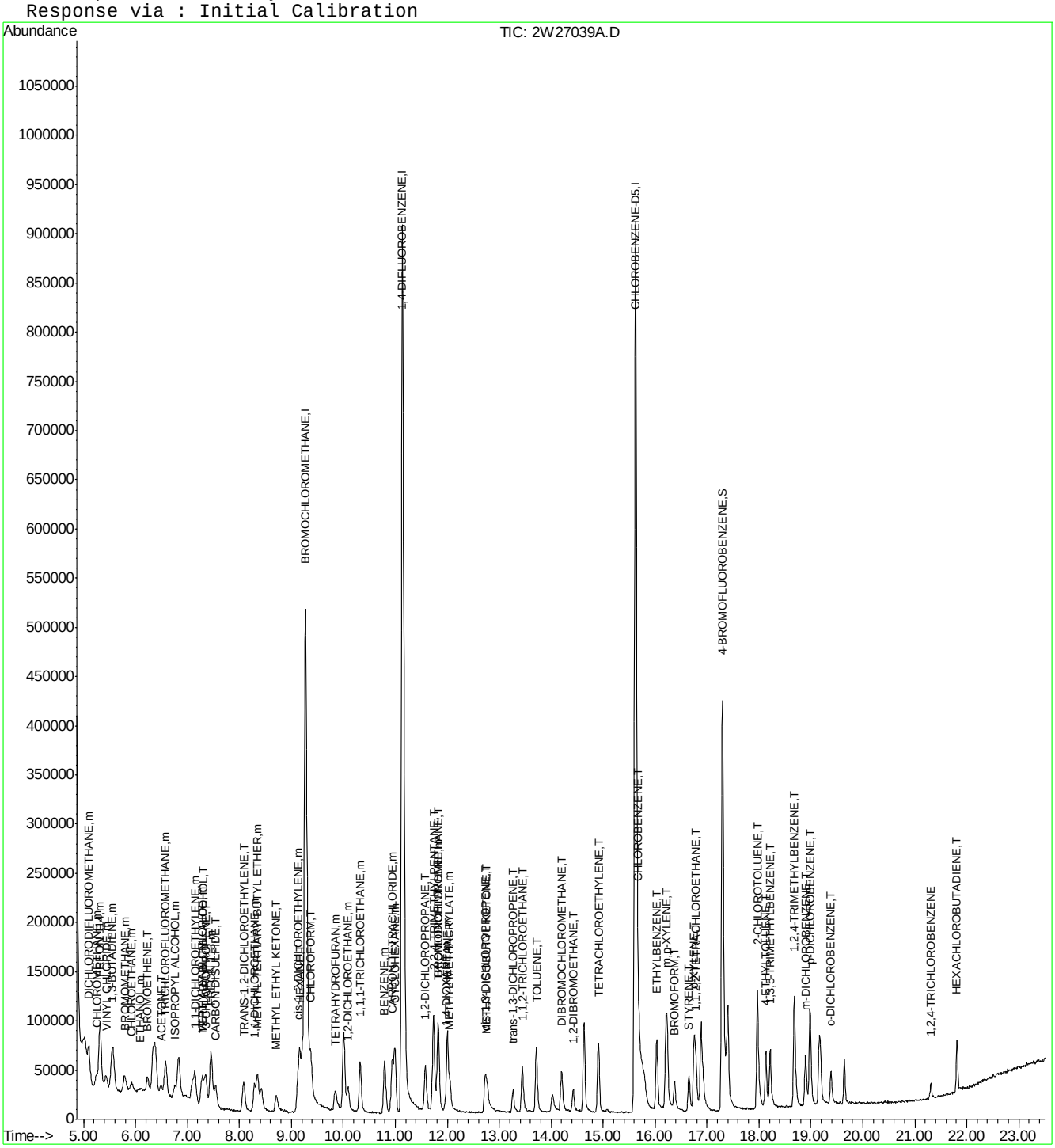
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.27	75	24675	0.52	PPBV		98
45)	1,1,2-TRICHLOROETHANE	13.45	83	21229	0.57	PPBV		97
47)	TETRACHLOROETHYLENE	14.91	164	25140	0.65	PPBV		98
48)	DIBROMOCHLOROMETHANE	14.20	129	35116	0.60	PPBV		98
49)	1,2-DIBROMOETHANE	14.43	107	29373	0.60	PPBV		90
50)	CHLOROBENZENE	15.67	112	41799	0.64	PPBV		84
51)	ETHYLBENZENE	16.03	91	86369	0.70	PPBV		94
52)	m,p-XYLENE	16.22	106	61450	1.35	PPBV		79
53)	o-XYLENE	16.76	106	31171	0.65	PPBV	#	81
54)	STYRENE	16.65	104	29687	0.54	PPBV		98
55)	BROMOFORM	16.37	173	22035	0.53	PPBV		98
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	40400	0.69	PPBV		91
58)	2-CHLOROTOLUENE	17.97	126	18690	0.62	PPBV	#	51
59)	4-ETHYLTOLUENE	18.14	105	57308	0.64	PPBV		92
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	56460	0.68	PPBV		91
61)	1,2,4-TRIMETHYLBENZENE	18.69	105	46275	0.64	PPBV		92
62)	m-DICHLOROBENZENE	18.90	146	20660	0.58	PPBV		97
63)	p-DICHLOROBENZENE	18.98	146	19308	0.57	PPBV		96
64)	o-DICHLOROBENZENE	19.39	146	22881	0.62	PPBV		94
65)	HEXACHLOROBUTADIENE	21.81	225	12590	0.55	PPBV		97
66)	1,2,4-TRICHLOROBENZENE	21.31	180	6773	0.58	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27039A.D Vial: 1
Acq On : 30 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1139-0.5 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:58 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27040A.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1139-0.2 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:56:16 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:56:12 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	272967	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.13	114	1404192	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	642137	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	311431	4.39	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 87.80%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	28849	0.23	PPBV		98
3) FREON 114	5.32	85	33384	0.24	PPBV		93
4) CHLOROMETHANE	5.26	52	5034	0.25	PPBV	#	70
5) VINYL CHLORIDE	5.42	62	13087	0.22	PPBV		98
6) 1,3-BUTADIENE	5.54	54	11142	0.23	PPBV		99
7) BROMOMETHANE	5.79	94	10154	0.22	PPBV		90
8) CHLOROETHANE	5.93	64	6441	0.20	PPBV		91
9) TRICHLOROFLUOROMETHANE	6.57	101	23369	0.22	PPBV		95
10) ISOPROPYL ALCOHOL	6.76	45	14126	0.22	PPBV	#	44
11) ACETONE	6.50	58	5003	0.28	PPBV	#	82
12) 1,1-DICHLOROETHYLENE	7.15	96	9695	0.25	PPBV		89
13) CARBON DISULFIDE	7.53	76	28782	0.23	PPBV	#	75
14) ETHANOL	6.09	45	2527	0.12	PPBV		71
15) BROMOETHENE	6.24	106	8165	0.20	PPBV	#	97
16) METHYLENE CHLORIDE	7.27	84	9328	0.24	PPBV		94
17) 3-CHLOROPROPENE	7.34	76	4323	0.20	PPBV	#	59
18) FREON 113	7.45	151	11771	0.21	PPBV		95
19) TRANS-1,2-DICHLOROETHYLENE	8.09	96	9422	0.21	PPBV		92
20) TERTIARY BUTYL ALCOHOL	7.32	59	17217	0.31	PPBV	#	69
21) METHYL TERTIARY BUTYL ETHE	8.36	73	25471	0.23	PPBV		97
22) TETRAHYDROFURAN	9.86	42	10724	0.20	PPBV		89
23) HEXANE	9.16	57	17549	0.24	PPBV	#	83
24) 1,1-DICHLOROETHANE	8.29	63	20228	0.23	PPBV		93
25) METHYL ETHYL KETONE	8.73	72	3326	0.16	PPBV	#	76
26) cis-1,2-DICHLOROETHYLENE	9.13	96	9210	0.20	PPBV		95
27) CHLOROFORM	9.37	83	19108	0.21	PPBV		89
28) 1,1,1-TRICHLOROETHANE	10.33	97	20910	0.22	PPBV		97
29) CARBON TETRACHLORIDE	10.94	117	19897	0.22	PPBV		99
30) 1,2-DICHLOROETHANE	10.08	62	11507	0.20	PPBV		99
32) BENZENE	10.79	78	29933	0.21	PPBV		98
33) CYCLOHEXANE	10.99	84	16375	0.21	PPBV		91
34) TRICHLOROETHYLENE	11.83	95	11394	0.21	PPBV		97
35) 1,2-DICHLOROPROPANE	11.57	63	11091	0.20	PPBV		95
36) BROMODICHLOROMETHANE	11.82	83	18277	0.21	PPBV		97
37) 2,2,4-TRIMETHYLPENTANE	11.74	57	52775	0.23	PPBV		99
38) 1,4-DIOXANE	12.01	88	5708	0.24	PPBV	#	1
39) HEPTANE	12.00	43	20070	0.23	PPBV		92
40) METHYL METHACRYLATE	12.06	69	7045	0.17	PPBV	#	23
41) METHYL ISOBUTYL KETONE	12.78	43	12578	0.15	PPBV		91
42) cis-1,3-DICHLOROPROPENE	12.73	75	13343	0.18	PPBV		95
43) TOLUENE	13.71	92	16931	0.19	PPBV		91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27040A.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1139-0.2 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:56:16 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:56:12 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

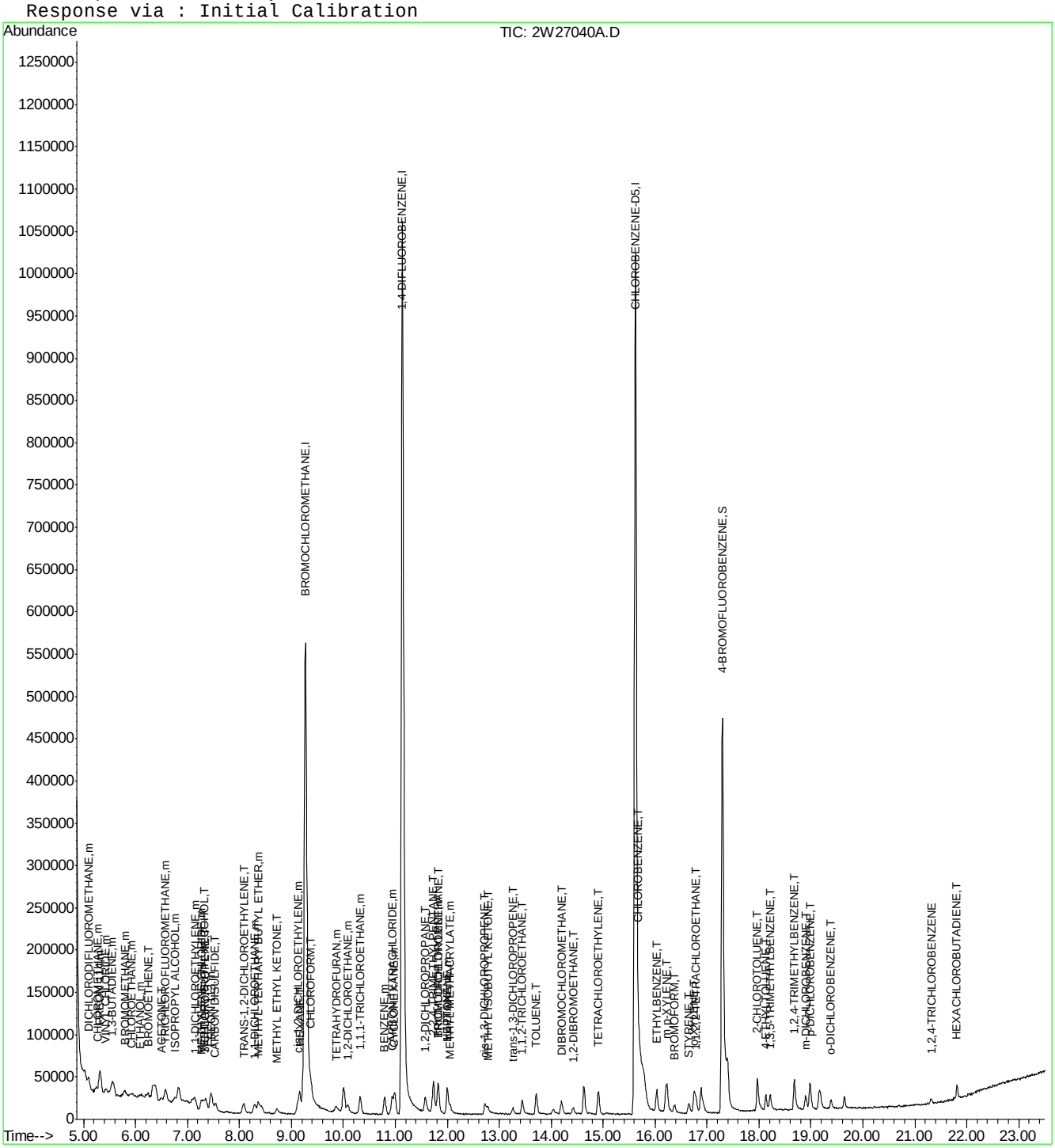
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	8561	0.15	PPBV		87
45)	1,1,2-TRICHLOROETHANE	13.45	83	7570	0.17	PPBV		96
47)	TETRACHLOROETHYLENE	14.91	164	9066	0.20	PPBV		98
48)	DIBROMOCHLOROMETHANE	14.20	129	12471	0.18	PPBV		96
49)	1,2-DIBROMOETHANE	14.43	107	10005	0.17	PPBV	#	94
50)	CHLOROBENZENE	15.67	112	14710	0.19	PPBV		94
51)	ETHYLBENZENE	16.03	91	29818	0.21	PPBV		94
52)	m,p-XYLENE	16.22	106	20188	0.38	PPBV		86
53)	o-XYLENE	16.75	106	10734	0.19	PPBV	#	79
54)	STYRENE	16.65	104	8986	0.14	PPBV		96
55)	BROMOFORM	16.38	173	7665	0.16	PPBV		88
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	12245	0.18	PPBV		97
58)	2-CHLOROTOLUENE	17.97	126	6235	0.18	PPBV	#	57
59)	4-ETHYLTOLUENE	18.13	105	17507	0.17	PPBV		99
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	16280	0.17	PPBV		94
61)	1,2,4-TRIMETHYLBENZENE	18.69	105	15148	0.18	PPBV		97
62)	m-DICHLOROBENZENE	18.90	146	6316	0.15	PPBV		90
63)	p-DICHLOROBENZENE	18.98	146	6438	0.16	PPBV		84
64)	o-DICHLOROBENZENE	19.39	146	7151	0.17	PPBV		83
65)	HEXACHLOROBUTADIENE	21.81	225	3773	0.14	PPBV		89
66)	1,2,4-TRICHLOROBENZENE	21.31	180	2528	0.18	PPBV		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27040A.D Vial: 1
Acq On : 30 Apr 2010 7:57 pm Operator: yunxiac
Sample : ic1139-0.2 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:56 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27041A.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1139-20 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:46:32 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:25 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	220760	10.00	PPBV		0.01
31) 1,4-DIFLUOROBENZENE	11.15	114	1113171	10.00	PPBV		0.01
46) CHLOROBENZENE-D5	15.63	82	635033	10.00	PPBV		0.01
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	381788	5.58	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 111.60%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	1963886	18.65	PPBV		95
3) FREON 114	5.32	85	2041056	17.24	PPBV		94
4) CHLOROMETHANE	5.25	52	344188	20.55	PPBV		93
5) VINYL CHLORIDE	5.44	62	1037976	20.96	PPBV		99
6) 1,3-BUTADIENE	5.54	54	824529	20.53	PPBV		97
7) BROMOMETHANE	5.79	94	830346	21.70	PPBV		98
8) CHLOROETHANE	5.93	64	578464	23.14	PPBV		99
9) TRICHLOROFLUOROMETHANE	6.58	101	1734932	19.58	PPBV		97
10) ISOPROPYL ALCOHOL	6.69	45	1524962	34.64	PPBV		99
11) ACETONE	6.46	58	403205	34.72	PPBV	#	86
12) 1,1-DICHLOROETHYLENE	7.16	96	641829	19.88	PPBV		96
13) CARBON DISULFIDE	7.55	76	2018249	18.90	PPBV		96
14) ETHANOL	6.07	45	440111	29.60	PPBV		98
15) BROMOETHENE	6.24	106	756967	22.89	PPBV		99
16) METHYLENE CHLORIDE	7.28	84	612583	19.19	PPBV		97
17) 3-CHLOROPROPENE	7.36	76	371550	21.77	PPBV		92
18) FREON 113	7.46	151	924807	20.33	PPBV		96
19) TRANS-1,2-DICHLOROETHYLENE	8.09	96	766433	21.24	PPBV		97
20) TERTIARY BUTYL ALCOHOL	7.20	59	1572133	47.73	PPBV		98
21) METHYL TERTIARY BUTYL ETHE	8.30	73	1891211	21.02	PPBV		98
22) TETRAHYDROFURAN	9.77	42	990781	24.41	PPBV		97
23) HEXANE	9.17	57	1117052	17.54	PPBV		99
24) 1,1-DICHLOROETHANE	8.29	63	1358536	18.00	PPBV		96
25) METHYL ETHYL KETONE	8.66	72	424757	29.33	PPBV	#	84
26) cis-1,2-DICHLOROETHYLENE	9.13	96	787417	21.66	PPBV		97
27) CHLOROFORM	9.38	83	1476484	20.05	PPBV		97
28) 1,1,1-TRICHLOROETHANE	10.33	97	1497753	19.13	PPBV		97
29) CARBON TETRACHLORIDE	10.95	117	1456380	19.25	PPBV		98
30) 1,2-DICHLOROETHANE	10.10	62	997305	22.05	PPBV		97
32) BENZENE	10.81	78	2233652	18.66	PPBV		97
33) CYCLOHEXANE	11.00	84	1256566	19.34	PPBV		96
34) TRICHLOROETHYLENE	11.84	95	889297	19.89	PPBV		98
35) 1,2-DICHLOROPROPANE	11.58	63	937573	20.62	PPBV		96
36) BROMODICHLOROMETHANE	11.82	83	1360959	18.97	PPBV		96
37) 2,2,4-TRIMETHYLPENTANE	11.74	57	3030617	14.95	PPBV		93
38) 1,4-DIOXANE	11.89	88	492975	54.74	PPBV		99
39) HEPTANE	12.01	43	1241107	16.24	PPBV		94
40) METHYL METHACRYLATE	12.03	69	780173	25.30	PPBV		89
41) METHYL ISOBUTYL KETONE	12.71	43	1562389	25.44	PPBV		95
42) cis-1,3-DICHLOROPROPENE	12.73	75	1269781	22.20	PPBV		96
43) TOLUENE	13.72	92	1584163	22.36	PPBV		92

(#) = qualifier out of range (m) = manual integration
2W27041A.D M2W1139.M Mon May 03 15:23:30 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27041A.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1139-20 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:46:32 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:25 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

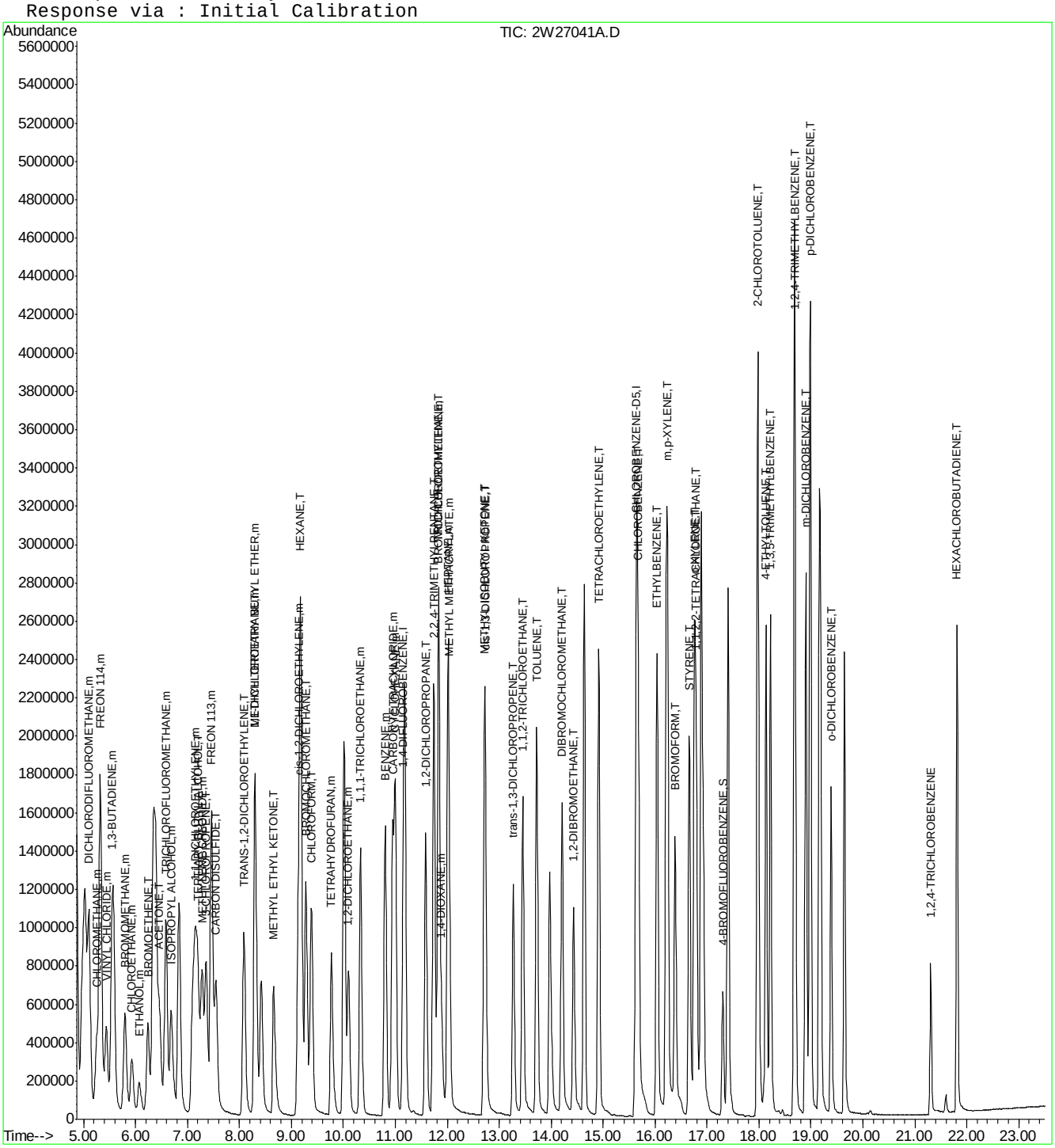
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.27	75	1150938	27.57	PPBV		96
45)	1,1,2-TRICHLOROETHANE	13.45	83	798114	23.82	PPBV		99
47)	TETRACHLOROETHYLENE	14.92	164	880173	19.31	PPBV		99
48)	DIBROMOCHLOROMETHANE	14.21	129	1452540	21.56	PPBV		97
49)	1,2-DIBROMOETHANE	14.43	107	1272528	22.86	PPBV		98
50)	CHLOROBENZENE	15.68	112	1569021	20.25	PPBV		97
51)	ETHYLBENZENE	16.04	91	2582648	17.12	PPBV		91
52)	m,p-XYLENE	16.23	106	2124288	39.61	PPBV		80
53)	o-XYLENE	16.76	106	1111891	20.17	PPBV	#	88
54)	STYRENE	16.66	104	1574263	26.26	PPBV		97
55)	BROMOFORM	16.38	173	1174582	25.82	PPBV		97
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	1375343	19.66	PPBV		95
58)	2-CHLOROTOLUENE	17.98	126	760847	22.29	PPBV	#	51
59)	4-ETHYLTOLUENE	18.14	105	2113497	20.13	PPBV		88
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	1923081	19.59	PPBV		91
61)	1,2,4-TRIMETHYLBENZENE	18.70	105	1704854	20.18	PPBV		95
62)	m-DICHLOROBENZENE	18.90	146	1000118	25.11	PPBV		97
63)	p-DICHLOROBENZENE	18.98	146	950030	25.21	PPBV		97
64)	o-DICHLOROBENZENE	19.39	146	969576	23.25	PPBV		97
65)	HEXACHLOROBUTADIENE	21.82	225	617656	24.97	PPBV		98
66)	1,2,4-TRICHLOROBENZENE	21.31	180	342577	28.64	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27041A.D Vial: 2
Acq On : 30 Apr 2010 8:40 pm Operator: yunxiac
Sample : ic1139-20 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:46 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27042A.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1139-1 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:46:48 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:40 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	290106	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.14	114	1407639	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	637677	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	326606	4.65	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 93.00%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.09	85	151834	1.11	PPBV		97
3) FREON 114	5.32	85	170387	1.13	PPBV		97
4) CHLOROMETHANE	5.25	52	21041	0.95	PPBV		96
5) VINYL CHLORIDE	5.43	62	69217	1.05	PPBV		99
6) 1,3-BUTADIENE	5.54	54	54244	1.02	PPBV	#	87
7) BROMOMETHANE	5.79	94	53055	1.04	PPBV		97
8) CHLOROETHANE	5.92	64	36117	1.07	PPBV		98
9) TRICHLOROFLUOROMETHANE	6.58	101	133163	1.15	PPBV		98
10) ISOPROPYL ALCOHOL	6.74	45	89575	1.35	PPBV		94
11) ACETONE	6.48	58	27171	1.55	PPBV	#	85
12) 1,1-DICHLOROETHYLENE	7.15	96	46076	1.09	PPBV		100
13) CARBON DISULFIDE	7.54	76	150854	1.09	PPBV		98
14) ETHANOL	6.10	45	25146	1.17	PPBV		93
15) BROMOETHENE	6.23	106	47697	1.07	PPBV		99
16) METHYLENE CHLORIDE	7.27	84	44674	1.07	PPBV		100
17) 3-CHLOROPROPENE	7.35	76	24195	1.06	PPBV	#	83
18) FREON 113	7.46	151	67495	1.13	PPBV		99
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	51394	1.07	PPBV		98
20) TERTIARY BUTYL ALCOHOL	7.28	59	77826	1.41	PPBV		90
21) METHYL TERTIARY BUTYL ETHE	8.33	73	148168	1.24	PPBV		97
22) TETRAHYDROFURAN	9.82	42	62727	1.13	PPBV		99
23) HEXANE	9.16	57	90151	1.10	PPBV		95
24) 1,1-DICHLOROETHANE	8.29	63	110015	1.13	PPBV		98
25) METHYL ETHYL KETONE	8.68	72	24437	1.17	PPBV	#	88
26) cis-1,2-DICHLOROETHYLENE	9.12	96	53148	1.09	PPBV		96
27) CHLOROFORM	9.37	83	105598	1.09	PPBV		98
28) 1,1,1-TRICHLOROETHANE	10.33	97	114450	1.12	PPBV		97
29) CARBON TETRACHLORIDE	10.94	117	108854	1.10	PPBV		99
30) 1,2-DICHLOROETHANE	10.09	62	66858	1.10	PPBV		100
32) BENZENE	10.79	78	171587	1.15	PPBV		98
33) CYCLOHEXANE	10.99	84	89957	1.10	PPBV		97
34) TRICHLOROETHYLENE	11.83	95	63366	1.12	PPBV		98
35) 1,2-DICHLOROPROPANE	11.58	63	62661	1.08	PPBV		99
36) BROMODICHLOROMETHANE	11.82	83	102085	1.14	PPBV		97
37) 2,2,4-TRIMETHYLPENTANE	11.74	57	283885	1.17	PPBV		97
38) 1,4-DIOXANE	11.94	88	31648	2.06	PPBV		99
39) HEPTANE	12.00	43	109957	1.18	PPBV		93
40) METHYL METHACRYLATE	12.05	69	47005	1.14	PPBV	#	1
41) METHYL ISOBUTYL KETONE	12.75	43	99052	1.21	PPBV		97
42) cis-1,3-DICHLOROPROPENE	12.73	75	83409	1.13	PPBV		96
43) TOLUENE	13.71	92	103713	1.13	PPBV		93

(#) = qualifier out of range (m) = manual integration
2W27042A.D M2W1139.M Mon May 03 15:23:32 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27042A.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1139-1 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:46:48 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:40 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

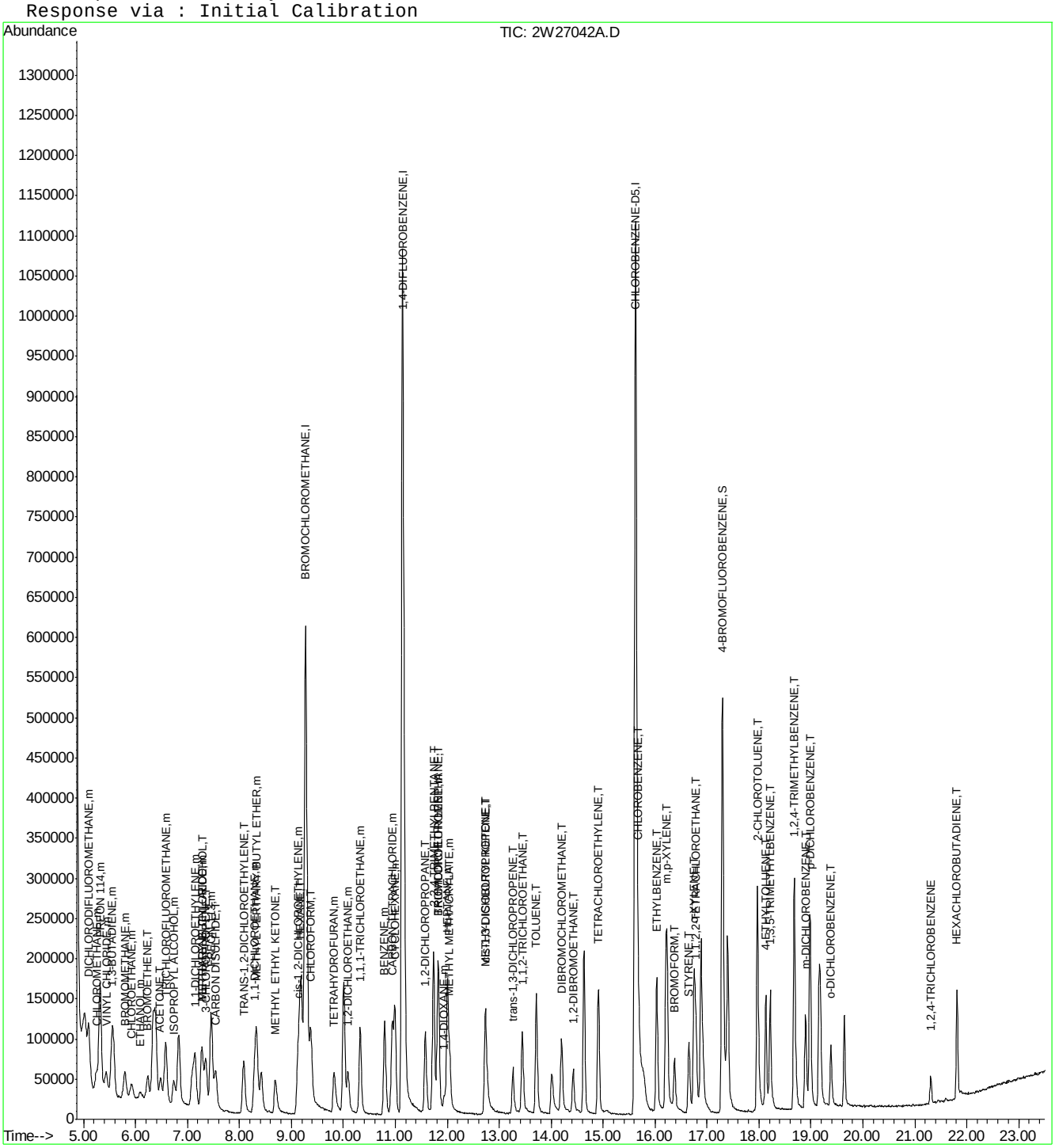
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	54821	0.97	PPBV		97
45)	1,1,2-TRICHLOROETHANE	13.45	83	49301	1.12	PPBV		99
47)	TETRACHLOROETHYLENE	14.91	164	56220	1.24	PPBV		96
48)	DIBROMOCHLOROMETHANE	14.21	129	80953	1.18	PPBV		96
49)	1,2-DIBROMOETHANE	14.43	107	66916	1.16	PPBV		96
50)	CHLOROBENZENE	15.67	112	90098	1.15	PPBV		89
51)	ETHYLBENZENE	16.03	91	195713	1.33	PPBV		95
52)	m,p-XYLENE	16.22	106	137310	2.55	PPBV	#	78
53)	o-XYLENE	16.75	106	75122	1.35	PPBV		91
54)	STYRENE	16.65	104	71969	1.13	PPBV		100
55)	BROMOFORM	16.37	173	52858	1.09	PPBV		95
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	87985	1.26	PPBV		96
58)	2-CHLOROTOLUENE	17.97	126	41060	1.17	PPBV	#	45
59)	4-ETHYLTOLUENE	18.13	105	141225	1.34	PPBV		93
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	132925	1.35	PPBV		94
61)	1,2,4-TRIMETHYLBENZENE	18.69	105	113772	1.34	PPBV		92
62)	m-DICHLOROBENZENE	18.90	146	46668	1.11	PPBV		98
63)	p-DICHLOROBENZENE	18.98	146	43437	1.09	PPBV		97
64)	o-DICHLOROBENZENE	19.38	146	49387	1.14	PPBV		99
65)	HEXACHLOROBUTADIENE	21.81	225	33895	1.30	PPBV		99
66)	1,2,4-TRICHLOROBENZENE	21.31	180	15587	1.19	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27042A.D Vial: 1
Acq On : 30 Apr 2010 10:06 pm Operator: yunxiac
Sample : ic1139-1 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:46 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27045A.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1139-40 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:47:05 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:57 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	243474	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.14	114	1279979	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	757370	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	457177	5.54	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 110.80%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.09	85	3188129	27.31	PPBV		85
3) FREON 114	5.31	85	3091116	23.85	PPBV		84
4) CHLOROMETHANE	5.24	52	645083	35.02	PPBV	#	79
5) VINYL CHLORIDE	5.43	62	1784642	32.08	PPBV		96
6) 1,3-BUTADIENE	5.53	54	1407986	31.50	PPBV		95
7) BROMOMETHANE	5.78	94	1407983	32.60	PPBV		96
8) CHLOROETHANE	5.91	64	983994	34.23	PPBV		98
9) TRICHLOROFLUOROMETHANE	6.57	101	2857412	28.66	PPBV		91
10) ISOPROPYL ALCOHOL	6.64	45	2064138	35.04	PPBV		94
11) ACETONE	6.44	58	650170	40.52	PPBV	#	79
12) 1,1-DICHLOROETHYLENE	7.14	96	1103496	30.59	PPBV		91
13) CARBON DISULFIDE	7.54	76	3235645	27.38	PPBV		91
14) ETHANOL	6.04	45	700133	37.86	PPBV		98
15) BROMOETHENE	6.22	106	1287301	33.93	PPBV		96
16) METHYLENE CHLORIDE	7.27	84	1091226	30.87	PPBV		94
17) 3-CHLOROPROPENE	7.34	76	664073	34.32	PPBV	#	85
18) FREON 113	7.45	151	1607650	31.29	PPBV		92
19) TRANS-1,2-DICHLOROETHYLENE	8.07	96	1336738	32.79	PPBV		92
20) TERTIARY BUTYL ALCOHOL	7.17	59	2030605	40.98	PPBV		95
21) METHYL TERTIARY BUTYL ETHE	8.28	73	2940825	28.20	PPBV		95
22) TETRAHYDROFURAN	9.75	42	1617935	33.90	PPBV		92
23) HEXANE	9.16	57	1720661	24.69	PPBV		98
24) 1,1-DICHLOROETHANE	8.28	63	2172269	26.06	PPBV		91
25) METHYL ETHYL KETONE	8.63	72	759034	42.24	PPBV	#	63
26) cis-1,2-DICHLOROETHYLENE	9.12	96	1356020	32.75	PPBV		92
27) CHLOROFORM	9.37	83	2421793	29.36	PPBV		92
28) 1,1,1-TRICHLOROETHANE	10.32	97	2441041	27.95	PPBV		92
29) CARBON TETRACHLORIDE	10.94	117	2413588	28.65	PPBV		94
30) 1,2-DICHLOROETHANE	10.09	62	1726214	33.34	PPBV		93
32) BENZENE	10.79	78	3401506	24.44	PPBV		90
33) CYCLOHEXANE	10.99	84	2162780	28.65	PPBV		90
34) TRICHLOROETHYLENE	11.83	95	1476816	28.19	PPBV		94
35) 1,2-DICHLOROPROPANE	11.57	63	1531713	28.72	PPBV		90
36) BROMODICHLOROMETHANE	11.82	83	2141036	25.64	PPBV		91
37) 2,2,4-TRIMETHYLPENTANE	11.73	57	4037630	17.75	PPBV		81
38) 1,4-DIOXANE	11.87	88	819387	49.89	PPBV		99
39) HEPTANE	12.00	43	1830358	21.01	PPBV		86
40) METHYL METHACRYLATE	12.02	69	1294172	33.85	PPBV		78
41) METHYL ISOBUTYL KETONE	12.69	43	2285037	29.65	PPBV		86
42) cis-1,3-DICHLOROPROPENE	12.73	75	2057226	29.97	PPBV		91
43) TOLUENE	13.71	92	2534685	29.75	PPBV	#	83

(#) = qualifier out of range (m) = manual integration
2W27045A.D M2W1139.M Mon May 03 15:23:35 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27045A.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1139-40 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 14:47:05 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:46:57 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

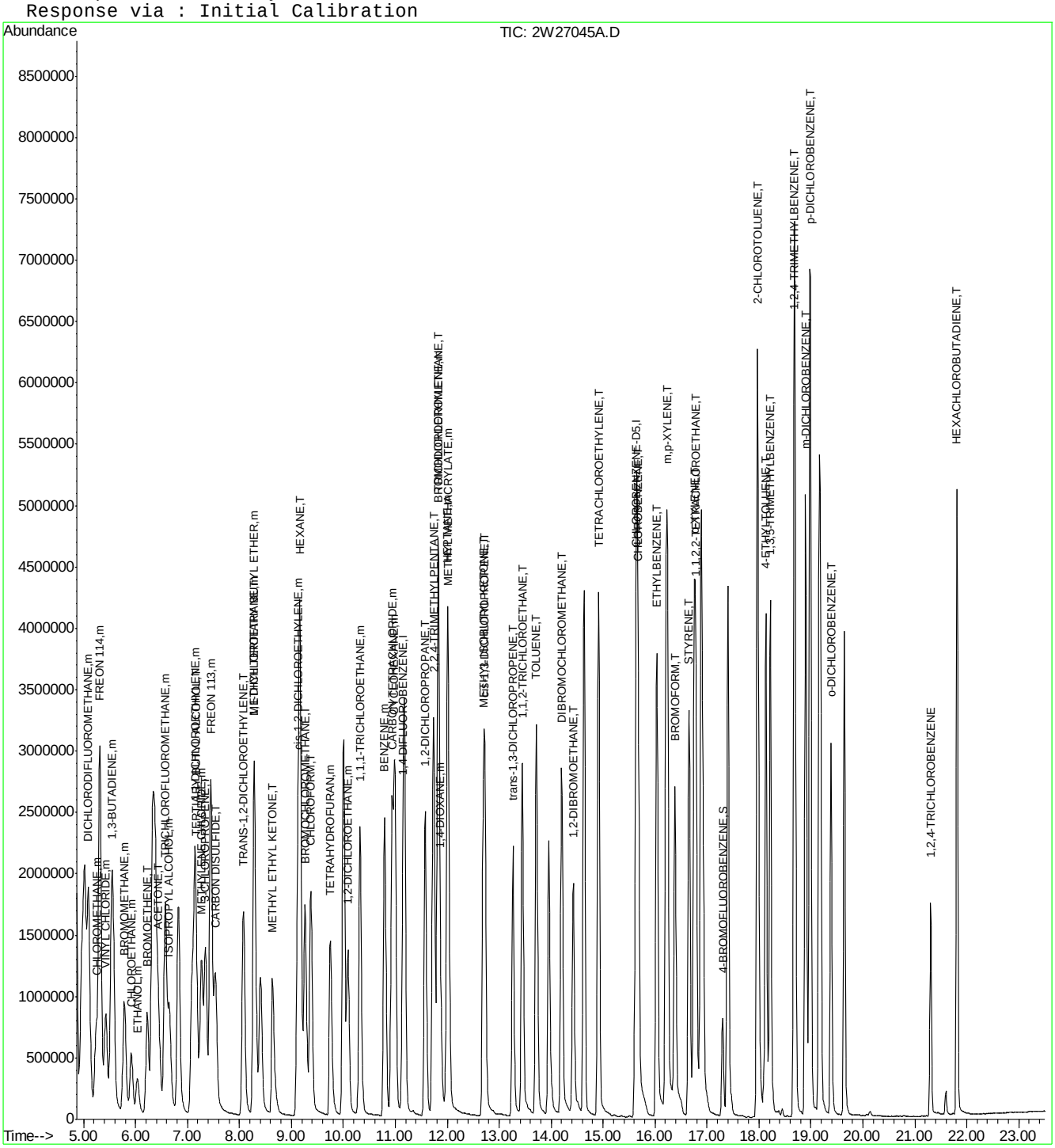
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	1956288	38.11	PPBV		92
45)	1,1,2-TRICHLOROETHANE	13.44	83	1332212	32.65	PPBV		97
47)	TETRACHLOROETHYLENE	14.91	164	1483346	26.43	PPBV		96
48)	DIBROMOCHLOROMETHANE	14.20	129	2489860	29.63	PPBV		95
49)	1,2-DIBROMOETHANE	14.43	107	2143709	30.56	PPBV		95
50)	CHLOROBENZENE	15.68	112	2449656	25.77	PPBV		90
51)	ETHYLBENZENE	16.03	91	3604433	19.55	PPBV		78
52)	m,p-XYLENE	16.23	106	3270546	48.97	PPBV	#	61
53)	o-XYLENE	16.76	106	1810971	25.96	PPBV	#	75
54)	STYRENE	16.65	104	2518862	32.48	PPBV		90
55)	BROMOFORM	16.38	173	2047355	35.11	PPBV		90
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	2053249	23.68	PPBV		89
58)	2-CHLOROTOLUENE	17.97	126	1338590	31.26	PPBV	#	13
59)	4-ETHYLTOLUENE	18.13	105	3047323	23.01	PPBV		74
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	2716020	22.00	PPBV		79
61)	1,2,4-TRIMETHYLBENZENE	18.69	105	2481595	23.27	PPBV		90
62)	m-DICHLOROBENZENE	18.90	146	1705397	33.54	PPBV		90
63)	p-DICHLOROBENZENE	18.98	146	1612305	33.59	PPBV		91
64)	o-DICHLOROBENZENE	19.39	146	1623180	30.88	PPBV		90
65)	HEXACHLOROBUTADIENE	21.81	225	1102159	33.90	PPBV		93
66)	1,2,4-TRICHLOROBENZENE	21.31	180	701094	43.82	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27045A.D Vial: 2
Acq On : 1 May 2010 12:15 am Operator: yunxiac
Sample : ic1139-40 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 14:47 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



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ACCUTEST Laboratories
JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27050.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 11:58:56 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	298216	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1454544	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	788267	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	788034	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	455668	5.56	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 111.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1340251	9.76	PPBV		98
4) FREON 152A	4.97	65	425257	9.38	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	154916	9.90	PPBV		100
6) PROPYLENE	5.03	41	554387	9.35	PPBV		99
8) FREON 114	5.32	85	1361299	9.18	PPBV		96
9) CHLOROMETHANE	5.25	52	207097	9.15	PPBV		94
10) VINYL CHLORIDE	5.43	62	671012	9.83	PPBV		100
11) 1,3-BUTADIENE	5.54	54	499329	9.35	PPBV		98
12) n-BUTANE	5.57	43	977530	9.05	PPBV		98
13) BROMOMETHANE	5.79	94	524271	10.25	PPBV		98
14) CHLOROETHANE	5.92	64	342044	9.74	PPBV		97
15) FREON 123	6.33	83	1017650	9.21	PPBV	#	97
16) FREON 123A	6.38	117	532574	9.49	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.58	101	1116658	9.61	PPBV		98
18) ISOPROPYL ALCOHOL	6.66	45	815453	9.62	PPBV		100
19) ACETONE	6.45	58	205600	8.82	PPBV	#	86
20) PENTANE	6.83	42	521537	8.55	PPBV		98
22) IODOMETHANE	7.10	142	971075	10.14	PPBV		100
23) 1,1-DICHLOROETHYLENE	7.14	96	390570	9.12	PPBV		97
24) CARBON DISULFIDE	7.54	76	1309345	9.47	PPBV		99
25) ETHANOL	6.05	45	229603	9.76	PPBV		99
26) BROMOETHENE	6.23	106	471928	10.39	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	379044	9.13	PPBV		96
28) 3-CHLOROPROPENE	7.36	76	221758	9.65	PPBV		93
29) FREON 113	7.45	151	571573	9.94	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	466048	9.26	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.18	59	928135	10.84	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1117182	8.91	PPBV		99
33) TETRAHYDROFURAN	9.77	72	228915	9.88	PPBV		96
34) HEXANE	9.16	57	679320	8.51	PPBV		98
35) VINYL ACETATE	8.41	86	96760	9.93	PPBV	#	85
36) 1,1-DICHLOROETHANE	8.29	63	841781	8.66	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	219586	10.26	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	9.13	96	469253	9.31	PPBV		98
39) ETHYL ACETATE	9.27	61	128874	9.51	PPBV	#	92
40) CHLOROFORM	9.37	83	904637	9.35	PPBV		99
41) 2,4-DIMETHYLPENTANE	10.00	57	901412	8.63	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	930000	9.03	PPBV		99
43) CARBON TETRACHLORIDE	10.94	117	896296	8.96	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	586938	9.22	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27050.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 03 11:58:56 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

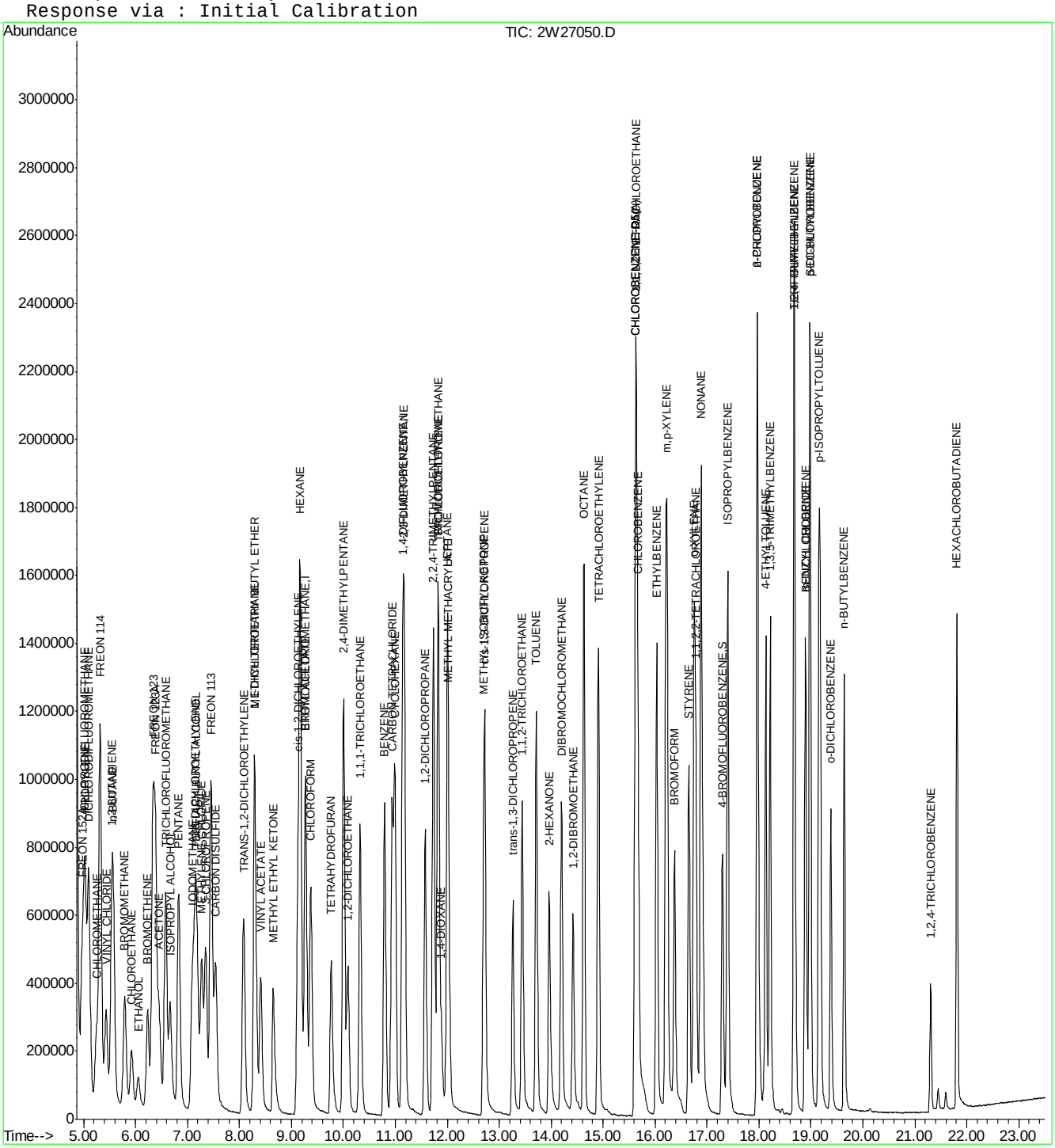
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1370299	9.04	PPBV		100
47)	CYCLOHEXANE	10.99	84	743883	8.92	PPBV		98
48)	2,3-DIMETHYLPENTANE	11.17	71	326182	8.78	PPBV		97
49)	TRICHLOROETHYLENE	11.83	95	521605	8.89	PPBV		100
50)	1,2-DICHLOROPROPANE	11.57	63	529104	9.13	PPBV		97
51)	BROMODICHLOROMETHANE	11.82	83	845237	9.01	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1995977	8.19	PPBV		100
53)	1,4-DIOXANE	11.88	88	264512	9.20	PPBV		97
54)	METHYL METHACRYLATE	12.03	69	409237	9.57	PPBV		96
55)	HEPTANE	12.00	43	763269	8.23	PPBV		98
57)	METHYL ISOBUTYL KETONE	12.70	43	831417	9.59	PPBV		98
58)	cis-1,3-DICHLOROPROPENE	12.72	75	727103	9.69	PPBV		99
59)	TOLUENE	13.71	92	899048	9.81	PPBV		98
60)	trans-1,3-DICHLOROPROPENE	13.26	75	627413	10.62	PPBV		99
61)	1,1,2-TRICHLOROETHANE	13.44	83	443904	9.68	PPBV		98
63)	2-HEXANONE	13.96	58	450075	10.95	PPBV		98
64)	TETRACHLOROETHYLENE	14.91	164	502144	9.03	PPBV		99
65)	DIBROMOCHLOROMETHANE	14.20	129	825214	9.89	PPBV		99
66)	1,2-DIBROMOETHANE	14.42	107	693301	9.92	PPBV		99
67)	OCTANE	14.63	43	976793	8.09	PPBV		96
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	593667	9.51	PPBV		99
69)	CHLOROBENZENE	15.67	112	902466	9.27	PPBV		99
70)	ETHYLBENZENE	16.03	91	1569681	8.88	PPBV		99
71)	m,p-XYLENE	16.22	106	1204515	17.82	PPBV		95
72)	o-XYLENE	16.75	106	616311	8.83	PPBV		97
73)	STYRENE	16.65	104	828082	10.97	PPBV		99
74)	NONANE	16.88	43	866240	8.91	PPBV		97
75)	BROMOFORM	16.38	173	622824	10.91	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	787273	9.12	PPBV		99
78)	ISOPROPYLBENZENE	17.40	105	1579043	8.63	PPBV		98
79)	2-CHLOROTOLUENE	17.97	126	407790	9.51	PPBV	#	90
80)	n-PROPYLBENZENE	17.97	120	421237	10.09	PPBV		92
81)	4-ETHYLTOLUENE	18.13	105	1280356	10.00	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1164046	9.55	PPBV		99
83)	TERT-BUTYLBENZENE	18.68	134	322623	10.20	PPBV		95
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	997451	9.53	PPBV		99
85)	m-DICHLOROBENZENE	18.90	146	538186	10.48	PPBV		100
86)	BENZYL CHLORIDE	18.89	91	648003	9.81	PPBV		99
87)	p-DICHLOROBENZENE	18.98	146	500408	10.34	PPBV		99
88)	SEC-BUTYLBENZENE	18.98	134	346728	10.12	PPBV		95
89)	p-ISOPROPYLTOLUENE	19.16	134	363590	10.92	PPBV		96
90)	o-DICHLOROBENZENE	19.38	146	538137	9.97	PPBV		100
91)	n-BUTYLBENZENE	19.64	134	275195	10.89	PPBV		96
92)	HEXACHLOROBUTADIENE	21.81	225	354901	11.04	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	173759	9.76	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27050.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1138-10 Inst : MS2W
Misc : MS96137,V2W1138,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 3 11:59 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27050A.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 15:42:10 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	295226	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.14	114	1447294	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	780307	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	456337	5.30	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 106.00%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	1326682	9.80	PPBV		98
3) FREON 114	5.32	85	1351264	9.12	PPBV		96
4) CHLOROMETHANE	5.25	52	198675	9.30	PPBV		95
5) VINYL CHLORIDE	5.43	62	653468	9.95	PPBV		100
6) 1,3-BUTADIENE	5.54	54	496891	9.45	PPBV		98
7) BROMOMETHANE	5.79	94	519725	10.19	PPBV		98
8) CHLOROETHANE	5.92	64	341104	9.99	PPBV		98
9) TRICHLOROFLUOROMETHANE	6.58	101	1113984	9.60	PPBV		98
10) ISOPROPYL ALCOHOL	6.66	45	810453	9.98	PPBV		100
11) ACETONE	6.45	58	206436	8.85	PPBV	#	90
12) 1,1-DICHLOROETHYLENE	7.14	96	390185	9.24	PPBV		97
13) CARBON DISULFIDE	7.54	76	1299437	9.49	PPBV		100
14) ETHANOL	6.05	45	230478	10.43	PPBV		99
15) BROMOETHENE	6.23	106	470272	10.45	PPBV		99
16) METHYLENE CHLORIDE	7.27	84	378764	9.13	PPBV		95
17) 3-CHLOROPROPENE	7.36	76	221758	9.64	PPBV		94
18) FREON 113	7.45	151	570346	9.44	PPBV		98
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	457730	9.50	PPBV		97
20) TERTIARY BUTYL ALCOHOL	7.18	59	891845	10.25	PPBV		98
21) METHYL TERTIARY BUTYL ETHE	8.29	73	1111199	9.12	PPBV		99
22) TETRAHYDROFURAN	9.76	42	523387	9.24	PPBV		97
23) HEXANE	9.16	57	675418	8.45	PPBV		99
24) 1,1-DICHLOROETHANE	8.29	63	840884	8.75	PPBV		99
25) METHYL ETHYL KETONE	8.65	72	219399	9.99	PPBV		93
26) cis-1,2-DICHLOROETHYLENE	9.13	96	467938	9.56	PPBV		98
27) CHLOROFORM	9.37	83	901335	9.36	PPBV		99
28) 1,1,1-TRICHLOROETHANE	10.32	97	927238	9.15	PPBV		99
29) CARBON TETRACHLORIDE	10.94	117	893074	9.11	PPBV		98
30) 1,2-DICHLOROETHANE	10.09	62	571013	9.32	PPBV		99
32) BENZENE	10.79	78	1359372	9.15	PPBV		100
33) CYCLOHEXANE	10.99	84	741683	9.06	PPBV		98
34) TRICHLOROETHYLENE	11.83	95	519985	9.17	PPBV		100
35) 1,2-DICHLOROPROPANE	11.57	63	528467	9.13	PPBV		98
36) BROMODICHLOROMETHANE	11.82	83	812083	9.07	PPBV		99
37) 2,2,4-TRIMETHYLPENTANE	11.73	57	1995977	8.44	PPBV		100
38) 1,4-DIOXANE	11.88	88	245834	8.76	PPBV		97
39) HEPTANE	12.00	43	755143	8.23	PPBV		98
40) METHYL METHACRYLATE	12.03	69	401224	9.49	PPBV		97
41) METHYL ISOBUTYL KETONE	12.70	43	822862	9.74	PPBV		98
42) cis-1,3-DICHLOROPROPENE	12.72	75	717991	9.60	PPBV		100
43) TOLUENE	13.71	92	892536	9.62	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27050A.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 03 15:42:10 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

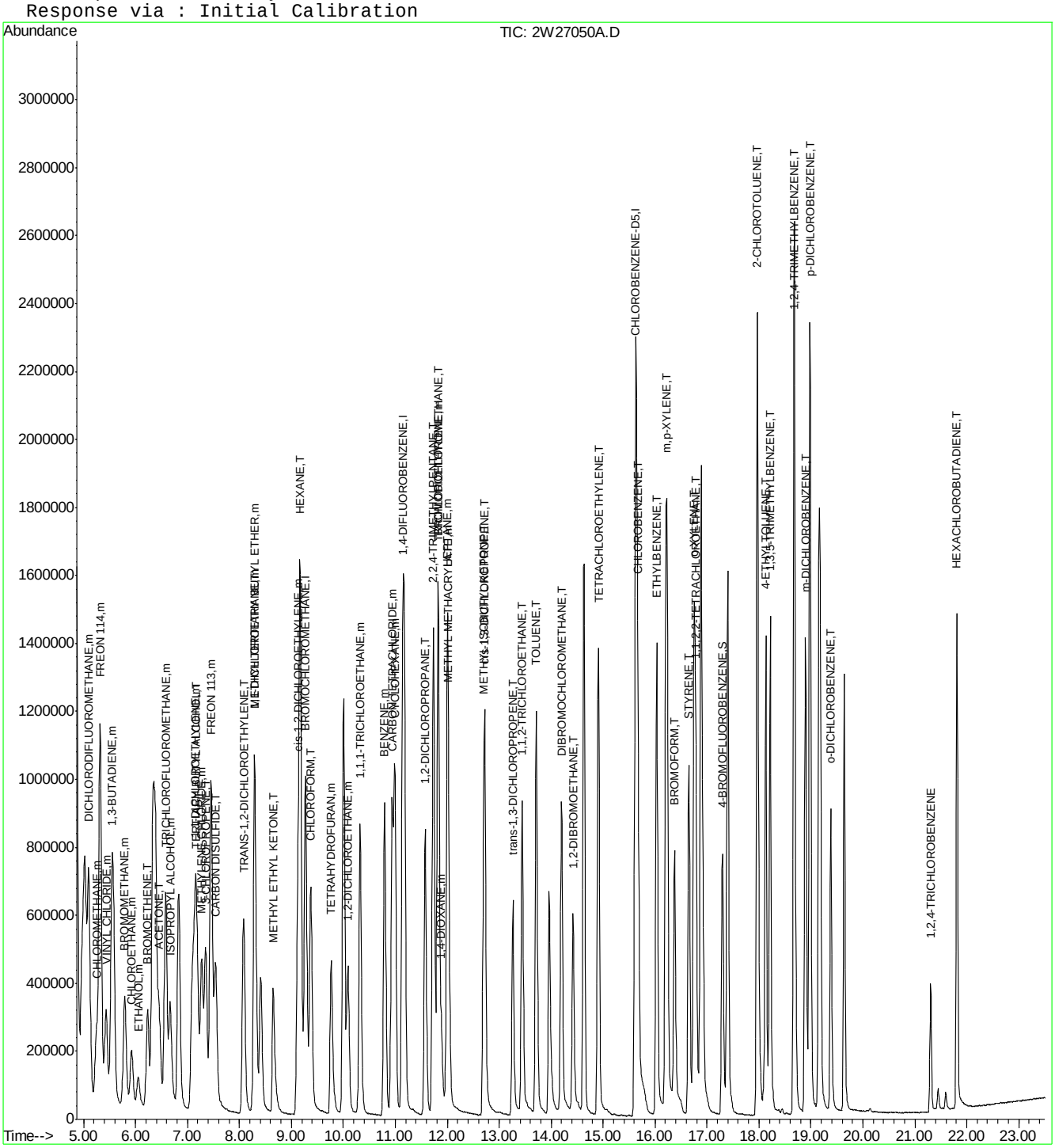
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	613904	10.64	PPBV		99
45)	1,1,2-TRICHLOROETHANE	13.44	83	438991	9.78	PPBV		99
47)	TETRACHLOROETHYLENE	14.91	164	496010	9.03	PPBV		99
48)	DIBROMOCHLOROMETHANE	14.20	129	826580	9.93	PPBV		98
49)	1,2-DIBROMOETHANE	14.42	107	682727	9.79	PPBV		99
50)	CHLOROBENZENE	15.67	112	867978	9.35	PPBV		99
51)	ETHYLBENZENE	16.03	91	1564689	8.90	PPBV		98
52)	m,p-XYLENE	16.22	106	1186662	18.30	PPBV		95
53)	o-XYLENE	16.75	106	616311	9.04	PPBV		97
54)	STYRENE	16.65	104	835592	10.76	PPBV		99
55)	BROMOFORM	16.38	173	612281	10.40	PPBV		99
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	775540	9.23	PPBV		98
58)	2-CHLOROTOLUENE	17.97	126	406351	9.52	PPBV	#	90
59)	4-ETHYLTOLUENE	18.13	105	1290387	10.08	PPBV		99
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	1148965	9.68	PPBV		99
61)	1,2,4-TRIMETHYLBENZENE	18.68	105	993489	9.64	PPBV		99
62)	m-DICHLOROBENZENE	18.90	146	538186	10.53	PPBV		100
63)	p-DICHLOROBENZENE	18.98	146	499108	10.34	PPBV		100
64)	o-DICHLOROBENZENE	19.38	146	535989	10.24	PPBV		100
65)	HEXACHLOROBUTADIENE	21.81	225	354585	10.84	PPBV		99
66)	1,2,4-TRICHLOROBENZENE	21.31	180	159061	9.53	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1139\2W27050A.D Vial: 3
Acq On : 1 May 2010 4:32 am Operator: yunxiac
Sample : icv1139-10 Inst : MS2W
Misc : MS96137,V2W1139,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 3 15:42 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27058.D Vial: 2
Acq On : 3 May 2010 9:28 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 09:13:28 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	307306	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1547171	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	874027	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	873442	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	497443	5.48	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 109.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1541975	10.90	PPBV		98
4) FREON 152A	4.97	65	508891	10.89	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	186677	11.58	PPBV		98
6) PROPYLENE	5.04	41	663198	10.85	PPBV		98
8) FREON 114	5.31	85	1486068	9.72	PPBV		98
9) CHLOROMETHANE	5.25	52	244557	10.49	PPBV		97
10) VINYL CHLORIDE	5.43	62	720945	10.24	PPBV		99
11) 1,3-BUTADIENE	5.54	54	544962	9.90	PPBV		98
12) n-BUTANE	5.57	43	1075682	9.66	PPBV	#	99
13) BROMOMETHANE	5.79	94	533955	10.13	PPBV		99
14) CHLOROETHANE	5.92	64	351060	9.70	PPBV		99
15) FREON 123	6.33	83	1055430	9.27	PPBV	#	98
16) FREON 123A	6.38	117	540672	9.35	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.58	101	1196073	9.99	PPBV		98
18) ISOPROPYL ALCOHOL	6.65	45	880575	10.08	PPBV		97
19) ACETONE	6.44	58	212064	8.83	PPBV		95
20) PENTANE	6.83	42	570560	9.08	PPBV		99
22) IODOMETHANE	7.09	142	957664	9.70	PPBV		94
23) 1,1-DICHLOROETHYLENE	7.14	96	399746	9.06	PPBV		95
24) CARBON DISULFIDE	7.54	76	1422551	9.99	PPBV		98
25) ETHANOL	6.04	45	250512	10.33	PPBV		98
26) BROMOETHENE	6.23	106	471330	10.07	PPBV		99
27) METHYLENE CHLORIDE	7.27	84	400777	9.36	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	233949	9.88	PPBV		95
29) FREON 113	7.45	151	579874	9.78	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.07	96	492404	9.49	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.17	59	1003463	11.38	PPBV		96
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1206321	9.34	PPBV		99
33) TETRAHYDROFURAN	9.75	72	246144	10.31	PPBV		98
34) HEXANE	9.16	57	754761	9.18	PPBV		99
35) VINYL ACETATE	8.40	86	102111	10.17	PPBV		99
36) 1,1-DICHLOROETHANE	8.29	63	923025	9.22	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	241543	10.96	PPBV		100
38) cis-1,2-DICHLOROETHYLENE	9.12	96	505365	9.73	PPBV		98
39) ETHYL ACETATE	9.26	61	139789	10.01	PPBV		98
40) CHLOROFORM	9.37	83	997096	10.01	PPBV		99
41) 2,4-DIMETHYLPENTANE	10.00	57	1012648	9.41	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.32	97	1026011	9.66	PPBV		98
43) CARBON TETRACHLORIDE	10.94	117	979293	9.50	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	663152	10.11	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27058.D Vial: 2
Acq On : 3 May 2010 9:28 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 09:13:28 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

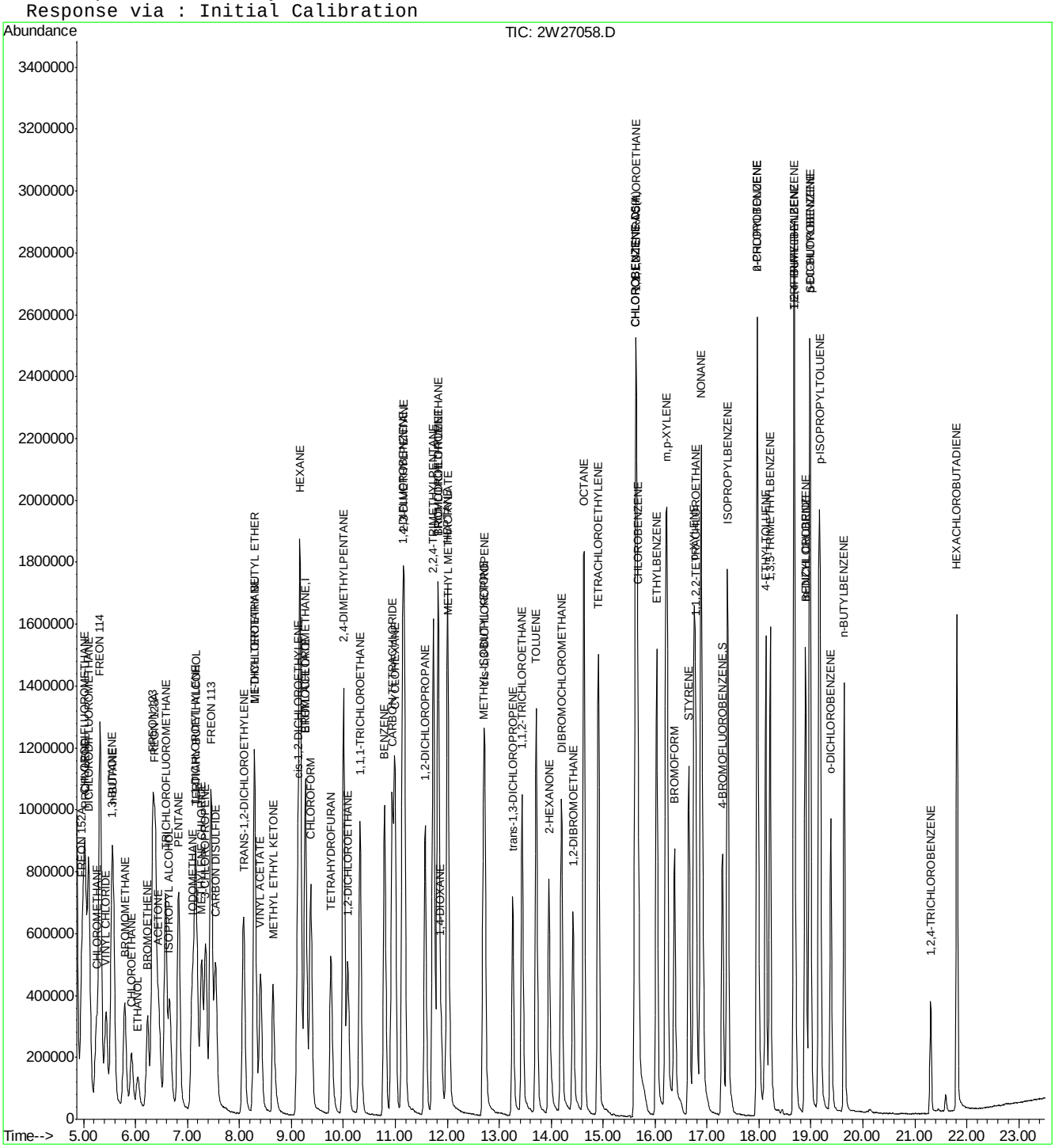
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1482085	9.19	PPBV		99
47)	CYCLOHEXANE	10.99	84	817853	9.22	PPBV		99
48)	2,3-DIMETHYLPENTANE	11.17	71	361276	9.14	PPBV		98
49)	TRICHLOROETHYLENE	11.83	95	563454	9.03	PPBV		98
50)	1,2-DICHLOROPROPANE	11.57	63	576707	9.35	PPBV		96
51)	BROMODICHLOROMETHANE	11.82	83	929227	9.32	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	2174438	8.39	PPBV		98
53)	1,4-DIOXANE	11.88	88	284519	9.30	PPBV		98
54)	METHYL METHACRYLATE	12.02	69	437048	9.61	PPBV		96
55)	HEPTANE	12.00	43	857111	8.69	PPBV		99
57)	METHYL ISOBUTYL KETONE	12.69	43	954579	10.35	PPBV		100
58)	cis-1,3-DICHLOROPROPENE	12.72	75	787497	9.87	PPBV		96
59)	TOLUENE	13.71	92	972454	9.97	PPBV		98
60)	trans-1,3-DICHLOROPROPENE	13.26	75	683189	10.87	PPBV		97
61)	1,1,2-TRICHLOROETHANE	13.44	83	486837	9.98	PPBV		98
63)	2-HEXANONE	13.96	58	512713	11.25	PPBV		100
64)	TETRACHLOROETHYLENE	14.91	164	535103	8.68	PPBV		99
65)	DIBROMOCHLOROMETHANE	14.20	129	897351	9.70	PPBV		100
66)	1,2-DIBROMOETHANE	14.42	107	756410	9.76	PPBV		99
67)	OCTANE	14.63	43	1109814	8.29	PPBV		98
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	641637	9.27	PPBV		98
69)	CHLOROBENZENE	15.67	112	958160	8.87	PPBV		97
70)	ETHYLBENZENE	16.03	91	1681080	8.58	PPBV		98
71)	m,p-XYLENE	16.22	106	1289505	17.21	PPBV		95
72)	o-XYLENE	16.75	106	669453	8.65	PPBV		96
73)	STYRENE	16.65	104	882193	10.54	PPBV		98
74)	NONANE	16.88	43	988656	9.17	PPBV		98
75)	BROMOFORM	16.37	173	671090	10.60	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.78	83	856644	8.95	PPBV		99
78)	ISOPROPYLBENZENE	17.39	105	1707431	8.42	PPBV		98
79)	2-CHLOROTOLUENE	17.97	126	439684	9.25	PPBV	#	88
80)	n-PROPYLBENZENE	17.97	120	456019	9.85	PPBV		89
81)	4-ETHYLTOLUENE	18.13	105	1363336	9.61	PPBV		98
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1251152	9.26	PPBV		99
83)	TERT-BUTYLBENZENE	18.67	134	345750	9.86	PPBV		97
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	1076324	9.27	PPBV		99
85)	m-DICHLOROBENZENE	18.90	146	567197	9.96	PPBV		99
86)	BENZYL CHLORIDE	18.89	91	680541	9.30	PPBV		99
87)	p-DICHLOROBENZENE	18.98	146	520907	9.71	PPBV		98
88)	SEC-BUTYLBENZENE	18.98	134	371742	9.78	PPBV		95
89)	p-ISOPROPYLTOLUENE	19.16	134	384035	10.40	PPBV		97
90)	o-DICHLOROBENZENE	19.38	146	564343	9.43	PPBV		99
91)	n-BUTYLBENZENE	19.64	134	290294	10.36	PPBV		98
92)	HEXACHLOROBUTADIENE	21.81	225	377880	10.61	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.31	180	162124	8.21	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27058.D Vial: 2
Acq On : 3 May 2010 9:28 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96137,V2W1140,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 9:13 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27086.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1141,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 11:20:29 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	288025	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.14	114	1393097	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	807409	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	807409	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.30	95	479483	5.72	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 114.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1328053	10.02	PPBV		98
4) FREON 152A	4.97	65	363317	8.29	PPBV		93
5) CHLORODIFLUOROMETHANE	5.01	67	161774	10.70	PPBV		98
6) PROPYLENE	5.04	41	439479	7.67	PPBV		95
8) FREON 114	5.32	85	1278568	8.93	PPBV		96
9) CHLOROMETHANE	5.25	52	165167	7.56	PPBV		92
10) VINYL CHLORIDE	5.43	62	567833	8.61	PPBV		100
11) 1,3-BUTADIENE	5.54	54	418108	8.10	PPBV		94
12) n-BUTANE	5.57	43	836886	8.02	PPBV	#	99
13) BROMOMETHANE	5.80	94	475647	9.62	PPBV		99
14) CHLOROETHANE	5.93	64	298798	8.81	PPBV		99
15) FREON 123	6.33	83	969153	9.08	PPBV	#	98
16) FREON 123A	6.38	117	516025	9.52	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.58	101	1202586	10.71	PPBV		99
18) ISOPROPYL ALCOHOL	6.67	45	791832	9.68	PPBV		96
19) ACETONE	6.46	58	185856	8.26	PPBV		97
20) PENTANE	6.83	42	480558	8.16	PPBV		93
22) IODOMETHANE	7.10	142	919220	9.94	PPBV		89
23) 1,1-DICHLOROETHYLENE	7.15	96	366220	8.86	PPBV		95
24) CARBON DISULFIDE	7.54	76	1209967	9.07	PPBV		97
25) ETHANOL	6.06	45	202893	8.93	PPBV		99
26) BROMOETHENE	6.24	106	437186	9.97	PPBV	#	98
27) METHYLENE CHLORIDE	7.28	84	341992	8.53	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	198595	8.94	PPBV	#	93
29) FREON 113	7.45	151	543280	9.78	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.08	96	427412	8.79	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.19	59	947407	11.46	PPBV		98
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1121598	9.26	PPBV		98
33) TETRAHYDROFURAN	9.77	72	210366	9.40	PPBV		98
34) HEXANE	9.16	57	625510	8.11	PPBV		92
35) VINYL ACETATE	8.41	86	87212	9.27	PPBV		100
36) 1,1-DICHLOROETHANE	8.29	63	800648	8.53	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	199965	9.68	PPBV		99
38) cis-1,2-DICHLOROETHYLENE	9.13	96	428224	8.80	PPBV		98
39) ETHYL ACETATE	9.27	61	117804	9.00	PPBV	#	92
40) CHLOROFORM	9.38	83	894139	9.57	PPBV		99
41) 2,4-DIMETHYLPENTANE	10.00	57	853522	8.46	PPBV		99
42) 1,1,1-TRICHLOROETHANE	10.33	97	962406	9.67	PPBV		99
43) CARBON TETRACHLORIDE	10.94	117	940333	9.74	PPBV		99
44) 1,2-DICHLOROETHANE	10.09	62	615818	10.02	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27086.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1141,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 04 11:20:29 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

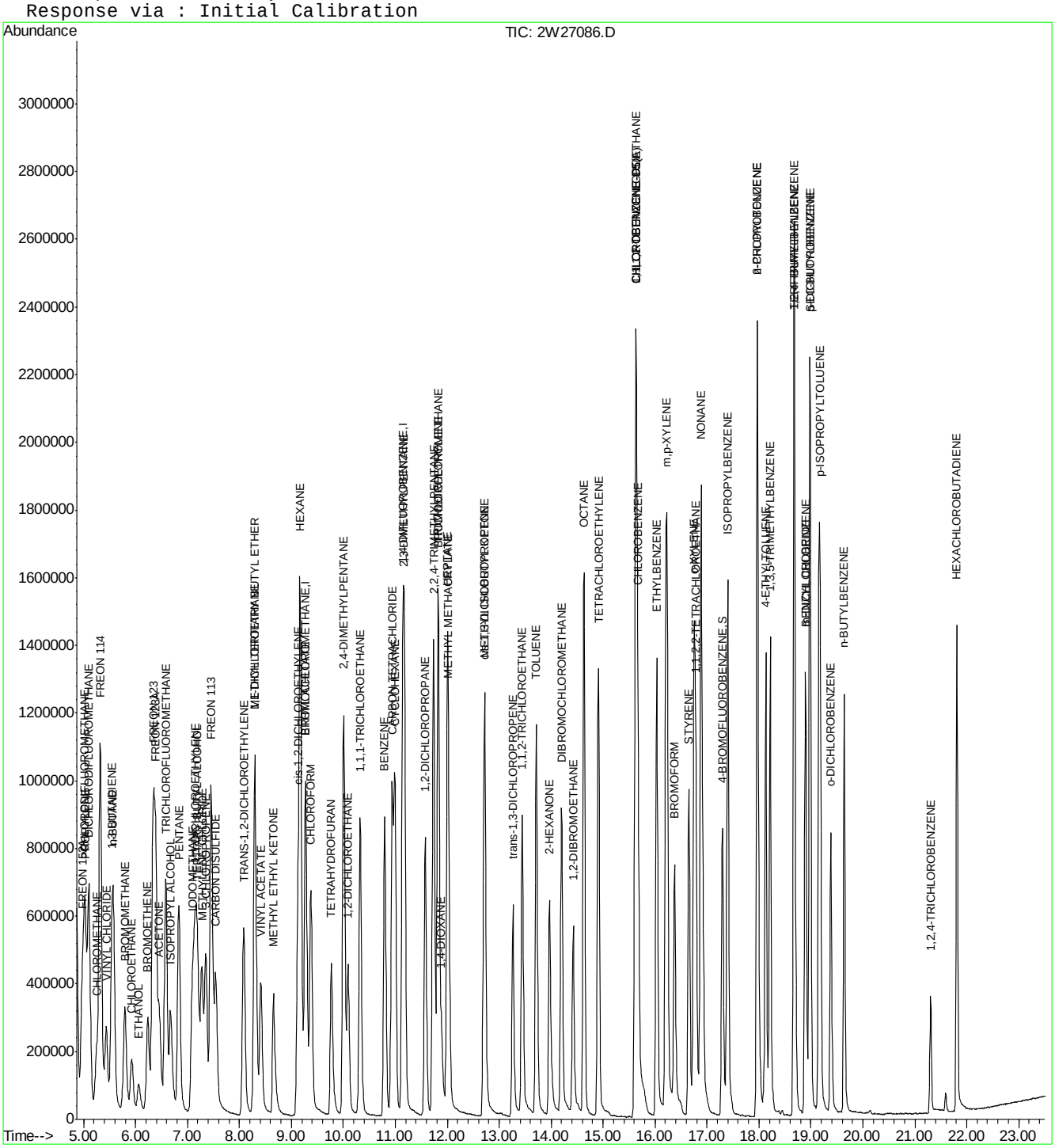
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1265171	8.71	PPBV		99
47)	CYCLOHEXANE	10.99	84	713606	8.94	PPBV		96
48)	2,3-DIMETHYLPENTANE	11.18	71	297182	8.35	PPBV		96
49)	TRICHLOROETHYLENE	11.83	95	490315	8.73	PPBV		98
50)	1,2-DICHLOROPROPANE	11.57	63	489158	8.81	PPBV		93
51)	BROMODICHLOROMETHANE	11.82	83	849146	9.45	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	11.74	57	1889170	8.10	PPBV		100
53)	1,4-DIOXANE	11.89	88	244446	8.88	PPBV		97
54)	METHYL METHACRYLATE	12.03	69	387627	9.46	PPBV		93
55)	HEPTANE	12.00	43	736429	8.29	PPBV		98
57)	METHYL ISOBUTYL KETONE	12.70	43	850255	10.24	PPBV		98
58)	cis-1,3-DICHLOROPROPENE	12.73	75	683219	9.51	PPBV		92
59)	TOLUENE	13.71	92	824944	9.40	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	13.26	75	599369	10.59	PPBV		96
61)	1,1,2-TRICHLOROETHANE	13.44	83	413724	9.42	PPBV		99
63)	2-HEXANONE	13.97	58	426242	10.12	PPBV		94
64)	TETRACHLOROETHYLENE	14.91	164	460467	8.08	PPBV		98
65)	DIBROMOCHLOROMETHANE	14.20	129	789831	9.24	PPBV		100
66)	1,2-DIBROMOETHANE	14.43	107	638343	8.92	PPBV		100
67)	OCTANE	14.63	43	973093	7.87	PPBV		99
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	572187	8.95	PPBV		96
69)	CHLOROBENZENE	15.67	112	823774	8.26	PPBV		97
70)	ETHYLBENZENE	16.03	91	1500247	8.29	PPBV		98
71)	m,p-XYLENE	16.22	106	1095196	15.82	PPBV		96
72)	o-XYLENE	16.75	106	554450	7.76	PPBV		95
73)	STYRENE	16.65	104	733944	9.50	PPBV		97
74)	NONANE	16.88	43	863664	8.67	PPBV		98
75)	BROMOFORM	16.38	173	575024	9.83	PPBV		100
77)	1,1,2,2-TETRACHLOROETHANE	16.79	83	737465	8.34	PPBV		99
78)	ISOPROPYLBENZENE	17.40	105	1494292	7.97	PPBV		98
79)	2-CHLOROTOLUENE	17.97	126	359766	8.20	PPBV	#	93
80)	n-PROPYLBENZENE	17.97	120	384198	8.98	PPBV		97
81)	4-ETHYLTOLUENE	18.13	105	1184647	9.04	PPBV		99
82)	1,3,5-TRIMETHYLBENZENE	18.22	105	1113055	8.92	PPBV		97
83)	TERT-BUTYLBENZENE	18.67	134	289769	8.95	PPBV		91
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	956873	8.93	PPBV		99
85)	m-DICHLOROBENZENE	18.90	146	463277	8.81	PPBV		99
86)	BENZYL CHLORIDE	18.89	91	588962	8.71	PPBV		98
87)	p-DICHLOROBENZENE	18.98	146	418194	8.44	PPBV		99
88)	SEC-BUTYLBENZENE	18.98	134	315304	8.98	PPBV		97
89)	p-ISOPROPYLTOLUENE	19.16	134	323455	9.48	PPBV		95
90)	o-DICHLOROBENZENE	19.38	146	464560	8.40	PPBV		99
91)	n-BUTYLBENZENE	19.64	134	239547	9.25	PPBV		94
92)	HEXACHLOROBUTADIENE	21.81	225	333669	10.14	PPBV		100
93)	1,2,4-TRICHLOROBENZENE	21.31	180	153515	8.41	PPBV		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27086.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1141,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 4 12:23 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon May 03 11:58:00 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27086A.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 05 10:38:23 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	283839	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.14	114	1385045	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	800360	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	480103	5.44	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 108.80%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	1305385	10.03	PPBV		99
3) FREON 114	5.32	85	1263163	8.86	PPBV		96
4) CHLOROMETHANE	5.25	52	158015	7.69	PPBV		92
5) VINYL CHLORIDE	5.43	62	550268	8.71	PPBV		99
6) 1,3-BUTADIENE	5.54	54	415640	8.22	PPBV		94
7) BROMOMETHANE	5.80	94	470038	9.58	PPBV		98
8) CHLOROETHANE	5.93	64	297984	9.08	PPBV		99
9) TRICHLOROFLUOROMETHANE	6.58	101	1200164	10.76	PPBV		99
10) ISOPROPYL ALCOHOL	6.67	45	781795	10.01	PPBV		96
11) ACETONE	6.46	58	185547	8.27	PPBV		92
12) 1,1-DICHLOROETHYLENE	7.15	96	364327	8.97	PPBV		95
13) CARBON DISULFIDE	7.54	76	1199446	9.12	PPBV		97
14) ETHANOL	6.06	45	202893	9.55	PPBV		98
15) BROMOETHENE	6.24	106	434978	10.05	PPBV		98
16) METHYLENE CHLORIDE	7.28	84	340986	8.55	PPBV		98
17) 3-CHLOROPROPENE	7.35	76	198595	8.98	PPBV	#	93
18) FREON 113	7.45	151	541628	9.33	PPBV		99
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	422263	9.12	PPBV		99
20) TERTIARY BUTYL ALCOHOL	7.19	59	904843	10.81	PPBV		95
21) METHYL TERTIARY BUTYL ETHE	8.29	73	1113539	9.51	PPBV		98
22) TETRAHYDROFURAN	9.77	42	506692	9.31	PPBV		99
23) HEXANE	9.16	57	624404	8.13	PPBV		92
24) 1,1-DICHLOROETHANE	8.29	63	796984	8.63	PPBV		99
25) METHYL ETHYL KETONE	8.65	72	198207	9.38	PPBV		99
26) cis-1,2-DICHLOROETHYLENE	9.13	96	426919	9.07	PPBV		97
27) CHLOROFORM	9.38	83	891232	9.63	PPBV		99
28) 1,1,1-TRICHLOROETHANE	10.33	97	955882	9.81	PPBV		99
29) CARBON TETRACHLORIDE	10.94	117	938832	9.96	PPBV		99
30) 1,2-DICHLOROETHANE	10.09	62	596655	10.13	PPBV		99
32) BENZENE	10.79	78	1253645	8.82	PPBV		99
33) CYCLOHEXANE	10.99	84	706738	9.02	PPBV		95
34) TRICHLOROETHYLENE	11.83	95	488228	9.00	PPBV		98
35) 1,2-DICHLOROPROPANE	11.57	63	489158	8.83	PPBV		93
36) BROMODICHLOROMETHANE	11.82	83	817094	9.54	PPBV		99
37) 2,2,4-TRIMETHYLPENTANE	11.74	57	1889170	8.34	PPBV		100
38) 1,4-DIOXANE	11.89	88	234901	8.75	PPBV		97
39) HEPTANE	12.00	43	730117	8.31	PPBV		98
40) METHYL METHACRYLATE	12.03	69	373853	9.24	PPBV		91
41) METHYL ISOBUTYL KETONE	12.70	43	855916	10.59	PPBV		98
42) cis-1,3-DICHLOROPROPENE	12.73	75	677501	9.46	PPBV		91
43) TOLUENE	13.71	92	818654	9.22	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27086A.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 05 10:38:23 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

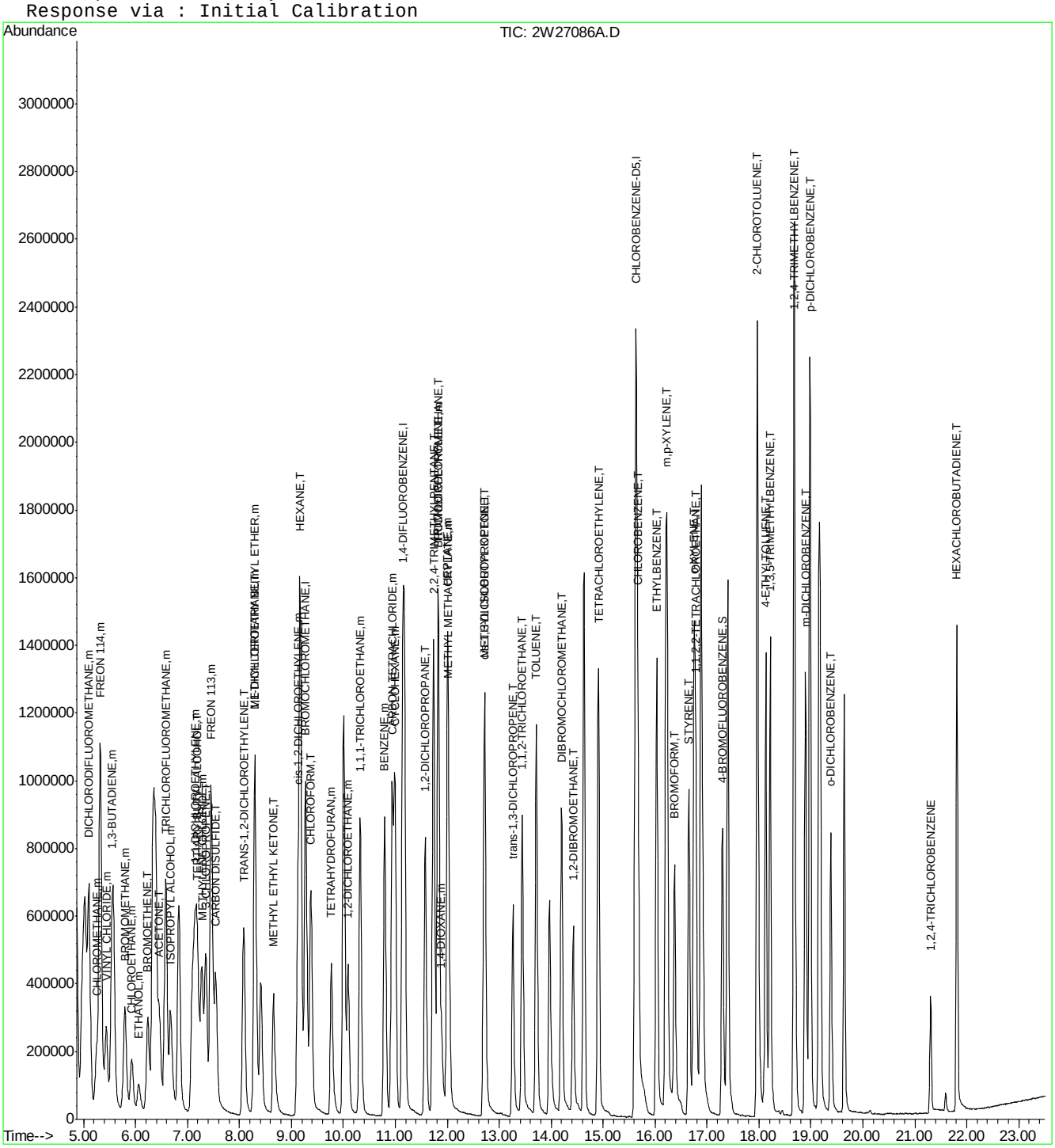
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	583330	10.56	PPBV		94
45)	1,1,2-TRICHLOROETHANE	13.44	83	407905	9.49	PPBV		99
47)	TETRACHLOROETHYLENE	14.91	164	454743	8.07	PPBV		98
48)	DIBROMOCHLOROMETHANE	14.20	129	799062	9.36	PPBV		98
49)	1,2-DIBROMOETHANE	14.43	107	626719	8.76	PPBV		100
50)	CHLOROBENZENE	15.67	112	794506	8.35	PPBV		96
51)	ETHYLBENZENE	16.03	91	1500247	8.32	PPBV		98
52)	m,p-XYLENE	16.22	106	1080171	16.24	PPBV		96
53)	o-XYLENE	16.75	106	552971	7.91	PPBV		95
54)	STYRENE	16.65	104	733944	9.21	PPBV		96
55)	BROMOFORM	16.38	173	569752	9.44	PPBV		100
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	728940	8.46	PPBV		99
58)	2-CHLOROTOLUENE	17.97	126	359766	8.22	PPBV	#	93
59)	4-ETHYLTOLUENE	18.13	105	1203178	9.16	PPBV		99
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	1101169	9.04	PPBV		97
61)	1,2,4-TRIMETHYLBENZENE	18.68	105	953551	9.02	PPBV		99
62)	m-DICHLOROBENZENE	18.90	146	463277	8.84	PPBV		99
63)	p-DICHLOROBENZENE	18.98	146	415124	8.39	PPBV		99
64)	o-DICHLOROBENZENE	19.38	146	463898	8.64	PPBV		99
65)	HEXACHLOROBUTADIENE	21.81	225	333669	9.95	PPBV		99
66)	1,2,4-TRICHLOROBENZENE	21.31	180	136551	7.98	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27086A.D Vial: 2
Acq On : 4 May 2010 10:34 am Operator: yunxiac
Sample : cc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 5 10:38 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



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JA45062

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27092A.D Vial: 2
Acq On : 4 May 2010 5:22 pm Operator: yunxiac
Sample : ecc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 05 08:05:09 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Tue May 04 16:53:10 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	315393	10.00	PPBV		0.00
31) 1,4-DIFLUOROBENZENE	11.14	114	1619703	10.00	PPBV		0.00
46) CHLOROBENZENE-D5	15.62	82	889578	10.00	PPBV		0.00
System Monitoring Compounds							
56) 4-BROMOFLUOROBENZENE	17.30	95	525487	5.35	PPBV		0.00
Spiked Amount 5.000	Range 78 - 124		Recovery = 107.00%				
Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	5.10	85	1354074	9.36	PPBV		98
3) FREON 114	5.31	85	1370514	8.66	PPBV		94
4) CHLOROMETHANE	5.25	52	175823	7.70	PPBV		94
5) VINYL CHLORIDE	5.43	62	607350	8.66	PPBV		99
6) 1,3-BUTADIENE	5.54	54	484930	8.64	PPBV		96
7) BROMOMETHANE	5.79	94	536250	9.84	PPBV		98
8) CHLOROETHANE	5.92	64	341692	9.37	PPBV		99
9) TRICHLOROFLUOROMETHANE	6.58	101	1323288	10.67	PPBV		98
10) ISOPROPYL ALCOHOL	6.68	45	912711	10.52	PPBV		99
11) ACETONE	6.46	58	221702	8.90	PPBV		94
12) 1,1-DICHLOROETHYLENE	7.15	96	401583	8.90	PPBV		94
13) CARBON DISULFIDE	7.54	76	1325689	9.07	PPBV		96
14) ETHANOL	6.06	45	240442	10.19	PPBV		100
15) BROMOETHENE	6.23	106	493713	10.27	PPBV	#	98
16) METHYLENE CHLORIDE	7.27	84	377788	8.52	PPBV		98
17) 3-CHLOROPROPENE	7.35	76	220329	8.97	PPBV	#	93
18) FREON 113	7.45	151	610606	9.46	PPBV		97
19) TRANS-1,2-DICHLOROETHYLENE	8.08	96	467689	9.09	PPBV		99
20) TERTIARY BUTYL ALCOHOL	7.19	59	1015459	10.92	PPBV		96
21) METHYL TERTIARY BUTYL ETHE	8.30	73	1217159	9.35	PPBV		96
22) TETRAHYDROFURAN	9.77	42	571134	9.44	PPBV		100
23) HEXANE	9.16	57	692875	8.12	PPBV		92
24) 1,1-DICHLOROETHANE	8.29	63	884748	8.62	PPBV		98
25) METHYL ETHYL KETONE	8.65	72	222185	9.47	PPBV	#	92
26) cis-1,2-DICHLOROETHYLENE	9.12	96	475444	9.09	PPBV		98
27) CHLOROFORM	9.37	83	981641	9.55	PPBV		98
28) 1,1,1-TRICHLOROETHANE	10.32	97	1048545	9.68	PPBV		98
29) CARBON TETRACHLORIDE	10.94	117	1009454	9.64	PPBV		98
30) 1,2-DICHLOROETHANE	10.09	62	679606	10.38	PPBV		98
32) BENZENE	10.79	78	1374671	8.27	PPBV		98
33) CYCLOHEXANE	10.99	84	780226	8.52	PPBV		95
34) TRICHLOROETHYLENE	11.83	95	536600	8.46	PPBV		99
35) 1,2-DICHLOROPROPANE	11.57	63	533171	8.23	PPBV		92
36) BROMODICHLOROMETHANE	11.82	83	878807	8.77	PPBV		98
37) 2,2,4-TRIMETHYLPENTANE	11.73	57	2019343	7.63	PPBV		100
38) 1,4-DIOXANE	11.89	88	260147	8.29	PPBV		97
39) HEPTANE	12.00	43	800861	7.80	PPBV		98
40) METHYL METHACRYLATE	12.03	69	416255	8.80	PPBV		91
41) METHYL ISOBUTYL KETONE	12.70	43	895986	9.48	PPBV		98
42) cis-1,3-DICHLOROPROPENE	12.72	75	746156	8.91	PPBV		90
43) TOLUENE	13.71	92	890904	8.58	PPBV		99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27092A.D Vial: 2
Acq On : 4 May 2010 5:22 pm Operator: yunxiac
Sample : ecc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 05 08:05:09 2010 Quant Results File: M2W1139.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Tue May 04 16:53:10 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

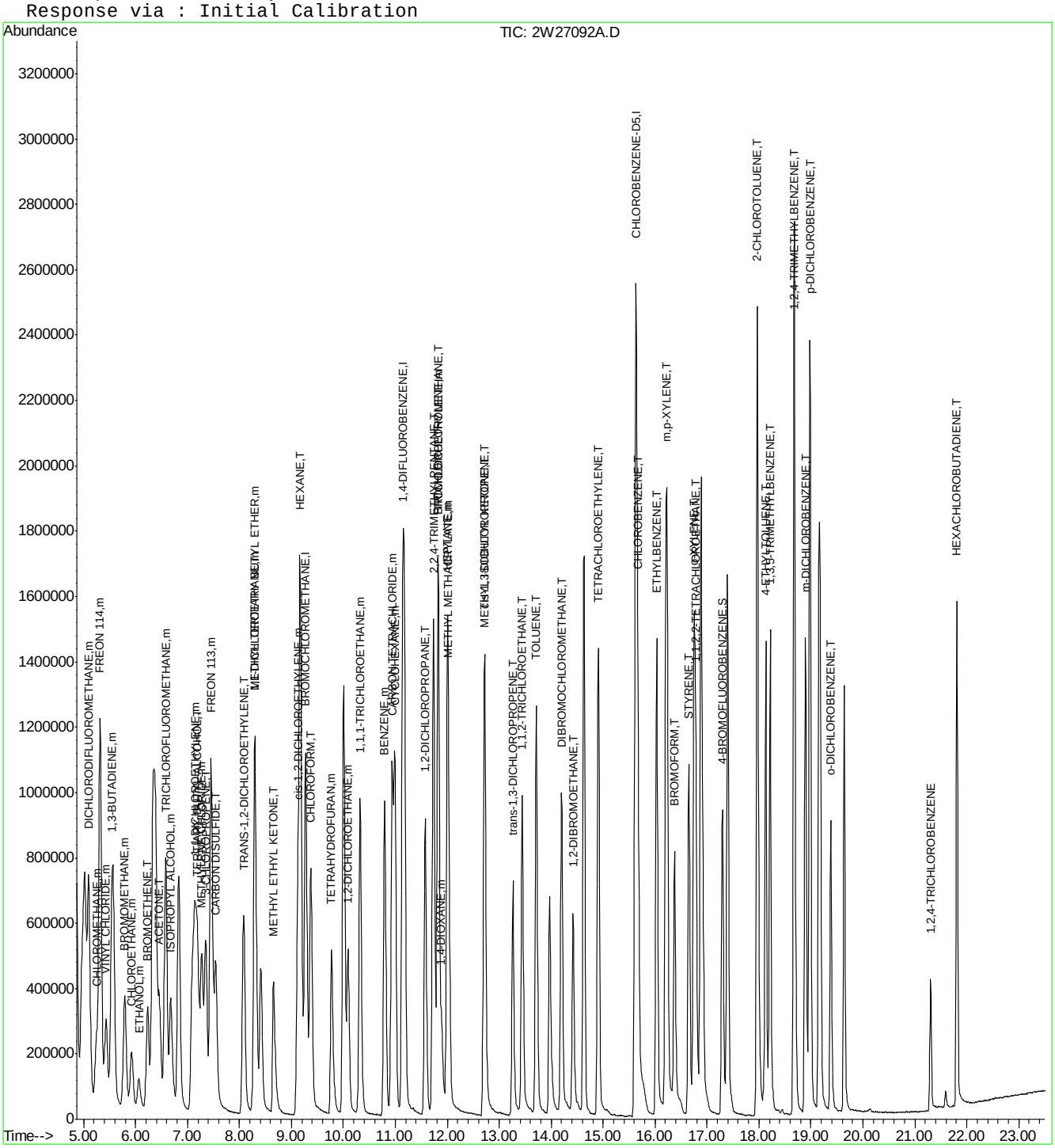
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	trans-1,3-DICHLOROPROPENE	13.26	75	660261	10.22	PPBV	92
45)	1,1,2-TRICHLOROETHANE	13.44	83	428600	8.53	PPBV	97
47)	TETRACHLOROETHYLENE	14.91	164	486886	7.77	PPBV	99
48)	DIBROMOCHLOROMETHANE	14.20	129	834448	8.79	PPBV	97
49)	1,2-DIBROMOETHANE	14.43	107	680584	8.56	PPBV	99
50)	CHLOROBENZENE	15.67	112	854498	8.08	PPBV	96
51)	ETHYLBENZENE	16.03	91	1579813	7.88	PPBV	99
52)	m,p-XYLENE	16.22	106	1168116	15.80	PPBV	98
53)	o-XYLENE	16.75	106	592107	7.62	PPBV	97
54)	STYRENE	16.65	104	791829	8.94	PPBV	95
55)	BROMOFORM	16.38	173	600686	8.95	PPBV	99
57)	1,1,2,2-TETRACHLOROETHANE	16.79	83	739924	7.73	PPBV	98
58)	2-CHLOROTOLUENE	17.97	126	389051	8.00	PPBV	95
59)	4-ETHYLTOLUENE	18.13	105	1261837	8.65	PPBV	100
60)	1,3,5-TRIMETHYLBENZENE	18.22	105	1141126	8.43	PPBV	98
61)	1,2,4-TRIMETHYLBENZENE	18.68	105	986945	8.40	PPBV	100
62)	m-DICHLOROBENZENE	18.90	146	505523	8.68	PPBV	99
63)	p-DICHLOROBENZENE	18.98	146	471740	8.57	PPBV	98
64)	o-DICHLOROBENZENE	19.38	146	494281	8.28	PPBV	99
65)	HEXACHLOROBUTADIENE	21.81	225	353936	9.49	PPBV	99
66)	1,2,4-TRICHLOROBENZENE	21.31	180	154686	8.13	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2W1142\2W27092A.D Vial: 2
Acq On : 4 May 2010 5:22 pm Operator: yunxiac
Sample : ecc1139-10 Inst : MS2W
Misc : MS93525,V2W1142,,,,,1 Multiplr: 1.00
MS Integration Params: lscint.p
Quant Time: May 5 8:05 2010 Quant Results File: M2W1139.RES

Method : C:\MSDCHEM\1\METHODS\M2W1139.M (RTE Integrator)
Title : NJDEP Low Level TO15 w/RTX-1 60m x .32mm x 1.0um
Last Update : Mon May 03 14:58:42 2010
Response via : Initial Calibration



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JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27111.D Vial: 2
Acq On : 5 May 2010 12:40 pm Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 13:06:25 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 12:09:30 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.27	128	253055	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	11.13	114	1229615	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	15.62	82	740667	10.00	PPBV		0.00
94) CHLOROBENZENE-D5(A)	15.62	82	740667	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	17.29	95	420364	5.46	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 109.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1268329	10.89	PPBV		97
4) FREON 152A	4.97	65	325410	8.46	PPBV		84
5) CHLORODIFLUOROMETHANE	5.01	67	168714	12.71	PPBV		99
6) PROPYLENE	5.04	41	394437	7.84	PPBV		92
8) FREON 114	5.32	85	1233144	9.80	PPBV		96
9) CHLOROMETHANE	5.25	52	154871	8.07	PPBV		90
10) VINYL CHLORIDE	5.43	62	534258	9.22	PPBV		99
11) 1,3-BUTADIENE	5.54	54	411053	9.07	PPBV	#	87
12) n-BUTANE	5.57	43	800828	8.74	PPBV		99
13) BROMOMETHANE	5.79	94	454641	10.47	PPBV		99
14) CHLOROETHANE	5.93	64	289271	9.71	PPBV		97
15) FREON 123	6.33	83	935115	9.97	PPBV	#	96
16) FREON 123A	6.39	117	508698	10.68	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.58	101	1210659	12.28	PPBV		98
18) ISOPROPYL ALCOHOL	6.66	45	775812	10.79	PPBV		93
19) ACETONE	6.46	58	185010	9.36	PPBV	#	76
20) PENTANE	6.83	42	496953	9.61	PPBV		89
22) IODOMETHANE	7.10	142	836252	10.29	PPBV	#	76
23) 1,1-DICHLOROETHYLENE	7.14	96	327708	9.02	PPBV	#	80
24) CARBON DISULFIDE	7.55	76	1093336	9.32	PPBV		90
25) ETHANOL	6.05	45	209183	10.48	PPBV		98
26) BROMOETHENE	6.23	106	418059	10.85	PPBV	#	97
27) METHYLENE CHLORIDE	7.27	84	309025	8.77	PPBV		88
28) 3-CHLOROPROPENE	7.35	76	181851	9.32	PPBV	#	74
29) FREON 113	7.45	151	506642	10.38	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.07	96	384196	8.99	PPBV		90
31) TERTIARY BUTYL ALCOHOL	7.19	59	935208	12.88	PPBV		92
32) METHYL TERTIARY BUTYL ETHE	8.29	73	1125638	10.58	PPBV		95
33) TETRAHYDROFURAN	9.77	72	195077	9.92	PPBV	#	86
34) HEXANE	9.16	57	603977	8.92	PPBV	#	85
35) VINYL ACETATE	8.40	86	83029	10.04	PPBV	#	68
36) 1,1-DICHLOROETHANE	8.29	63	787808	9.55	PPBV		99
37) METHYL ETHYL KETONE	8.65	72	186957	10.30	PPBV	#	75
38) cis-1,2-DICHLOROETHYLENE	9.12	96	388196	9.08	PPBV	#	88
39) ETHYL ACETATE	9.26	61	116482	10.13	PPBV	#	79
40) CHLOROFORM	9.37	83	900617	10.97	PPBV		96
41) 2,4-DIMETHYLPENTANE	10.00	57	802630	9.06	PPBV		100
42) 1,1,1-TRICHLOROETHANE	10.32	97	988669	11.31	PPBV		97
43) CARBON TETRACHLORIDE	10.93	117	966184	11.39	PPBV		99
44) 1,2-DICHLOROETHANE	10.08	62	694583	12.86	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27111.D Vial: 2
Acq On : 5 May 2010 12:40 pm Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 13:06:25 2010 Quant Results File: M2W1138.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 12:09:30 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

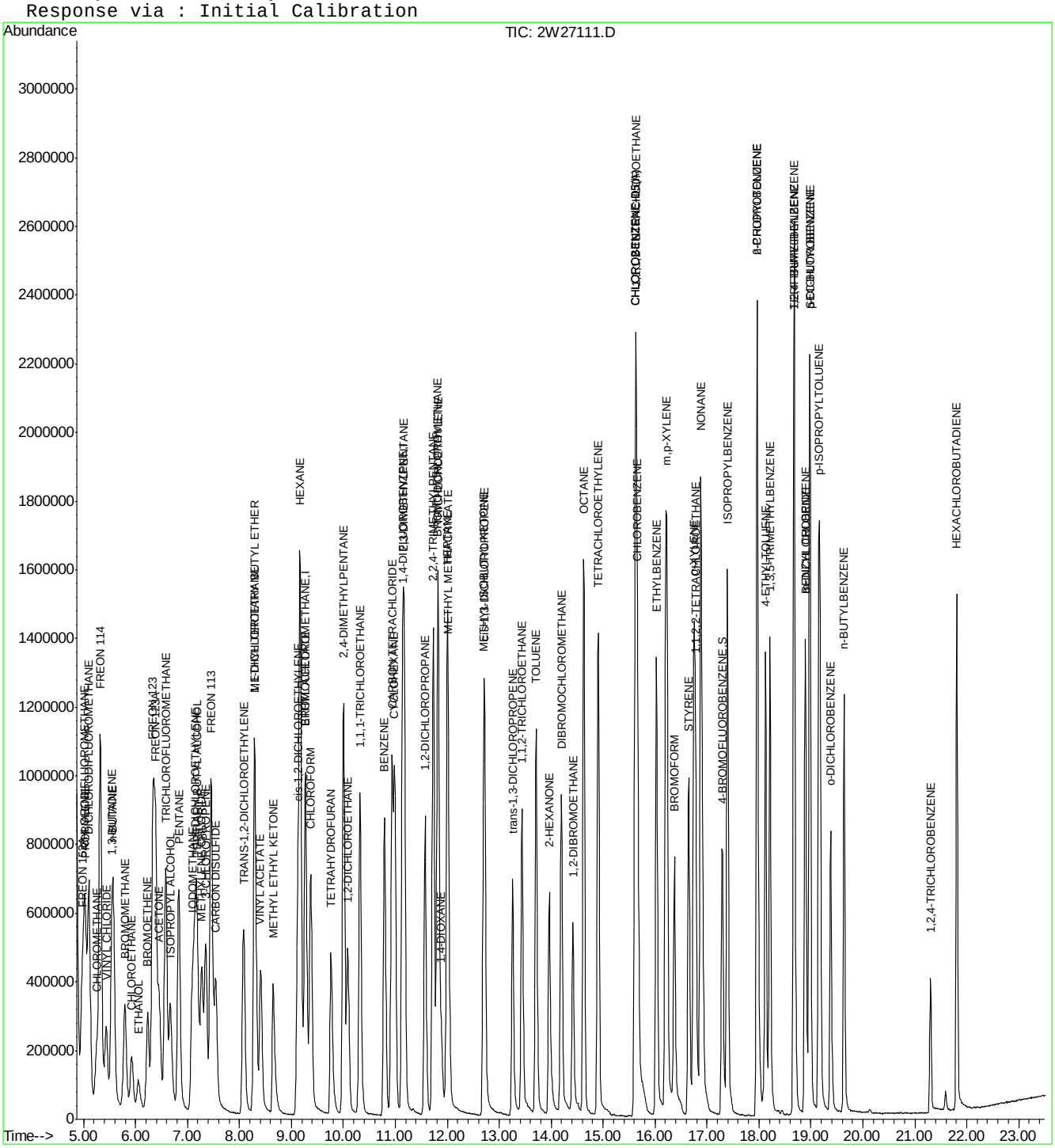
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	10.79	78	1164333	9.08	PPBV		96
47)	CYCLOHEXANE	10.99	84	689509	9.78	PPBV		93
48)	2,3-DIMETHYLPENTANE	11.17	71	279326	8.89	PPBV		93
49)	TRICHLOROETHYLENE	11.83	95	470102	9.48	PPBV		95
50)	1,2-DICHLOROPROPANE	11.57	63	461326	9.42	PPBV		87
51)	BROMODICHLOROMETHANE	11.81	83	830341	10.47	PPBV		97
52)	2,2,4-TRIMETHYLPENTANE	11.73	57	1803059	8.75	PPBV		100
53)	1,4-DIOXANE	11.88	88	237014	9.75	PPBV		91
54)	METHYL METHACRYLATE	12.02	69	373855	10.34	PPBV		80
55)	HEPTANE	12.00	43	737431	9.41	PPBV		94
57)	METHYL ISOBUTYL KETONE	12.70	43	871277	11.88	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	12.72	75	671505	10.59	PPBV	#	80
59)	TOLUENE	13.71	92	759948	9.81	PPBV		98
60)	trans-1,3-DICHLOROPROPENE	13.26	75	615761	12.32	PPBV		87
61)	1,1,2-TRICHLOROETHANE	13.44	83	383842	9.90	PPBV		100
63)	2-HEXANONE	13.96	58	386471	10.01	PPBV	#	81
64)	TETRACHLOROETHYLENE	14.91	164	438645	8.39	PPBV		95
65)	DIBROMOCHLOROMETHANE	14.19	129	748120	9.54	PPBV		100
66)	1,2-DIBROMOETHANE	14.42	107	593958	9.05	PPBV		100
67)	OCTANE	14.63	43	962942	8.49	PPBV		95
68)	1,1,1,2-TETRACHLOROETHANE	15.64	131	547309	9.34	PPBV		92
69)	CHLOROBENZENE	15.67	112	757471	8.28	PPBV		93
70)	ETHYLBENZENE	16.03	91	1404988	8.46	PPBV		97
71)	m,p-XYLENE	16.21	106	1005787	15.84	PPBV		94
72)	o-XYLENE	16.75	106	507471	7.74	PPBV		90
73)	STYRENE	16.65	104	677550	9.56	PPBV		93
74)	NONANE	16.88	43	855187	9.36	PPBV		96
75)	BROMOFORM	16.37	173	530449	9.89	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	16.78	83	670496	8.27	PPBV		99
78)	ISOPROPYLBENZENE	17.39	105	1389481	8.08	PPBV		96
79)	2-CHLOROTOLUENE	17.97	126	336987	8.37	PPBV	#	91
80)	n-PROPYLBENZENE	17.97	120	351482	8.96	PPBV		92
81)	4-ETHYLTOLUENE	18.12	105	1123544	9.34	PPBV		98
82)	1,3,5-TRIMETHYLBENZENE	18.21	105	1028342	8.98	PPBV		96
83)	TERT-BUTYLBENZENE	18.67	134	267548	9.00	PPBV		87
84)	1,2,4-TRIMETHYLBENZENE	18.68	105	900062	9.15	PPBV		98
85)	m-DICHLOROBENZENE	18.89	146	434887	9.01	PPBV		98
86)	BENZYL CHLORIDE	18.89	91	597404	9.63	PPBV		95
87)	p-DICHLOROBENZENE	18.98	146	398196	8.76	PPBV		96
88)	SEC-BUTYLBENZENE	18.98	134	284652	8.84	PPBV		93
89)	p-ISOPROPYLTOLUENE	19.15	134	293229	9.37	PPBV	#	87
90)	o-DICHLOROBENZENE	19.38	146	423152	8.34	PPBV		98
91)	n-BUTYLBENZENE	19.64	134	221718	9.33	PPBV		90
92)	HEXACHLOROBUTADIENE	21.81	225	325485	10.78	PPBV		99
93)	1,2,4-TRICHLOROBENZENE	21.30	180	157754	9.43	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W27111.D Vial: 2
Acq On : 5 May 2010 12:40 pm Operator: yunxiac
Sample : cc1138-10 Inst : MS2W
Misc : MS96138,V2W1143,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 13:06 2010 Quant Results File: M2W1138.RES

Method : C:\MSDCHEM\1\METHODS\M2W1138.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 15:14:27 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	96939	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	490746	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	249303	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	249303	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	150343	5.00	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	81079	10.00	PPBV	100
4) CHLORODIFLUOROMETHANE	4.18	67	31619	10.00	PPBV	100
5) DICHLORODIFLUOROMETHANE	4.25	85	327180	10.00	PPBV	100
6) PROPYLENE	4.20	41	95042	10.00	PPBV	100
7) FREON 114	4.43	85	345262	10.03	PPBV	100
8) CHLOROMETHANE	4.37	50	106343	10.00	PPBV	100
9) VINYL CHLORIDE	4.51	62	123582	10.00	PPBV	100
10) 1,3-BUTADIENE	4.60	54	89473	10.00	PPBV	100
11) n-BUTANE	4.62	43	167955	10.00	PPBV	100
12) BROMOMETHANE	4.79	94	117629	10.00	PPBV	100
13) CHLOROETHANE	4.89	64	65455	10.00	PPBV	100
14) FREON 123	5.22	83	281556	10.00	PPBV	100
15) FREON 123A	5.25	117	166348	10.00	PPBV	100
16) TRICHLOROFLUOROMETHANE	5.41	101	311371	10.00	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	183250	10.01	PPBV	100
18) ACETONE	5.31	58	49743	10.00	PPBV	100
19) PENTANE	5.62	42	107983	10.03	PPBV	100
20) TVHC as EQUIV PENTANE	5.61	TIC	511817m	10.00	PPBV	
21) IODOMETHANE	5.82	142	309423	10.00	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.87	96	112257	10.01	PPBV	100
23) CARBON DISULFIDE	6.18	76	331646	10.00	PPBV	100
24) ETHANOL	5.03	45	42773	10.00	PPBV	100
25) BROMOETHENE	5.14	106	118480	10.00	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	100382	10.00	PPBV	100
27) 3-CHLOROPROPENE	6.03	76	52872	10.00	PPBV	100
28) FREON 113	6.12	151	194122	10.00	PPBV	100
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	116873	10.00	PPBV	100
30) TERTIARY BUTYL ALCOHOL	5.91	59	257236	10.02	PPBV	100
31) METHYL TERTIARY BUTYL ETHE	6.81	73	306530	10.00	PPBV	100
32) TETRAHYDROFURAN	8.08	72	54430	10.00	PPBV	100
33) HEXANE	7.57	57	165765	10.00	PPBV	100
34) VINYL ACETATE	6.93	86	25022	10.00	PPBV	100
35) 1,1-DICHLOROETHANE	6.81	63	204473	10.00	PPBV	100
36) METHYL ETHYL KETONE	7.12	72	54072	10.01	PPBV	100
37) cis-1,2-DICHLOROETHYLENE	7.53	96	120547	10.00	PPBV	100
38) DIISOPROPYL ETHER	7.58	45	306888	10.00	PPBV	100
39) ETHYL ACETATE	7.66	61	30790	10.00	PPBV	99
40) CHLOROFORM	7.75	83	238004	10.00	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.33	57	213067	10.00	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.60	97	252433	10.00	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	263939	10.00	PPBV	100
44)	1,2-DICHLOROETHANE	8.39	62	136401	10.00	PPBV	100
46)	BENZENE	9.03	78	354250	10.00	PPBV	100
47)	CYCLOHEXANE	9.21	56	179500	10.00	PPBV	100
48)	2,3-DIMETHYLPENTANE	9.39	71	80697	10.00	PPBV	100
49)	TRICHLOROETHYLENE	9.99	95	148501	10.00	PPBV	100
50)	1,2-DICHLOROPROPANE	9.75	63	129305	10.00	PPBV	100
51)	BROMODICHLOROMETHANE	9.97	83	249147	10.00	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	541797	10.00	PPBV	100
53)	1,4-DIOXANE	10.03	88	75944	10.00	PPBV	100
54)	HEPTANE	10.17	43	182640	10.00	PPBV	100
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1260885m	10.10	PPBV	
56)	METHYL METHACRYLATE	10.18	69	107746	10.00	PPBV	100
57)	METHYL ISOBUTYL KETONE	10.81	43	208382	10.01	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.83	75	191920	10.00	PPBV	100
59)	TOLUENE	11.76	92	239073	10.00	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	11.34	75	155628	10.00	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.50	83	117437	10.00	PPBV	100
63)	2-HEXANONE	12.01	43	199113	10.01	PPBV	100
64)	TETRACHLOROETHYLENE	12.91	164	161621	10.01	PPBV	100
65)	DIBROMOCHLOROMETHANE	12.21	129	247646	10.01	PPBV	100
66)	1,2-DIBROMOETHANE	12.43	107	189128	10.01	PPBV	100
67)	OCTANE	12.68	43	249197	10.01	PPBV	100
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	166510	10.01	PPBV	100
69)	CHLOROBENZENE	13.64	112	279076	10.01	PPBV	100
70)	ETHYLBENZENE	14.00	91	486521	10.01	PPBV	100
71)	m,p-XYLENE	14.19	106	356878	20.03	PPBV	100
72)	o-XYLENE	14.70	106	173894	10.01	PPBV	100
73)	STYRENE	14.60	104	248679	10.01	PPBV	100
74)	NONANE	14.87	43	224396	10.01	PPBV	100
75)	BROMOFORM	14.31	173	207955	10.01	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.73	83	228412	10.01	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	180309	10.01	PPBV	100
79)	ISOPROPYLBENZENE	15.35	105	513665	10.01	PPBV	100
80)	2-CHLOROTOLUENE	15.92	126	113422	10.01	PPBV	100
81)	n-PROPYLBENZENE	15.94	120	126852	10.01	PPBV	100
82)	4-ETHYLTOLUENE	16.11	105	445896	10.01	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	371758	10.01	PPBV	100
84)	tert-BUTYLBENZENE	16.68	134	84178	10.01	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	340042	10.01	PPBV	100
86)	m-DICHLOROBENZENE	16.89	146	195720	10.01	PPBV	100
87)	BENZYL CHLORIDE	16.89	91	221865	10.01	PPBV	100
88)	p-DICHLOROBENZENE	16.98	146	183383	10.01	PPBV	100
89)	sec-BUTYLBENZENE	17.01	134	100019	10.01	PPBV	100
90)	p-ISOPROPYLTOLUENE	17.20	134	100568	10.01	PPBV	100
91)	o-DICHLOROBENZENE	17.40	146	173688	10.01	PPBV	100
92)	n-BUTYLBENZENE	17.70	134	78358	10.01	PPBV	100
93)	HEXACHLOROBUTADIENE	19.94	225	60096	10.01	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	34314	10.01	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

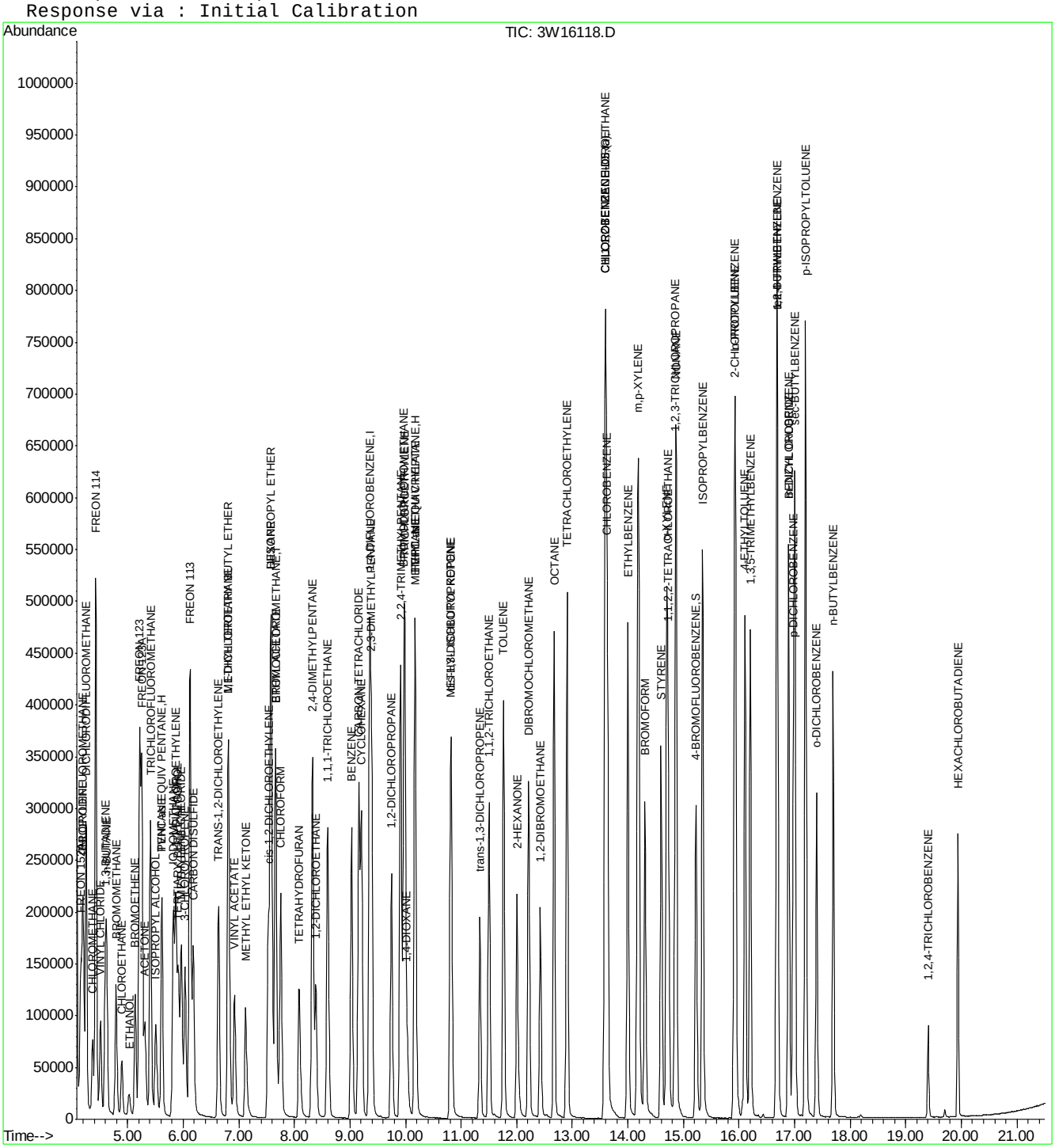
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

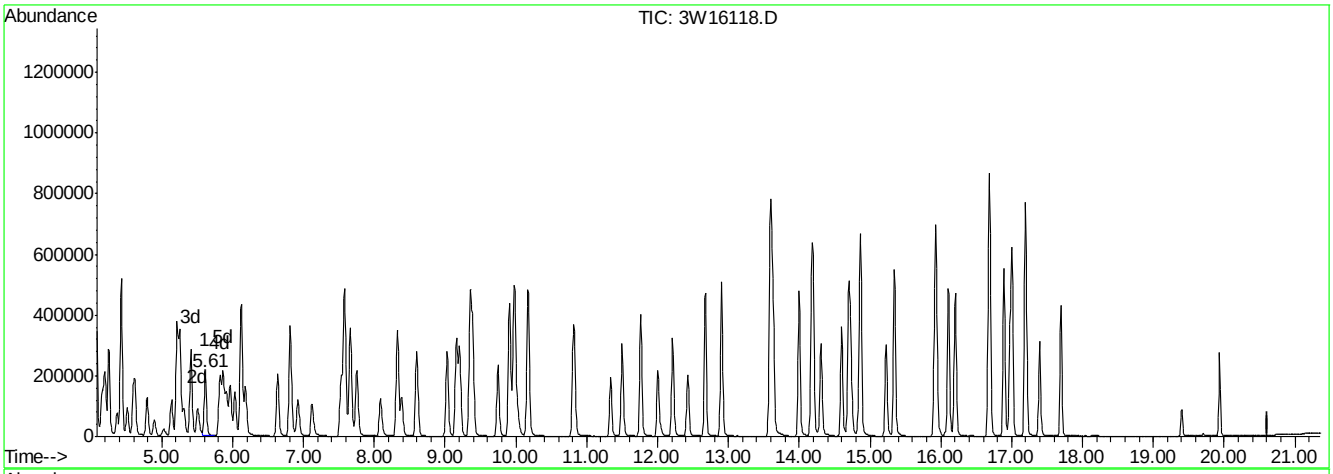


ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 10.00PPBV m

response 511817

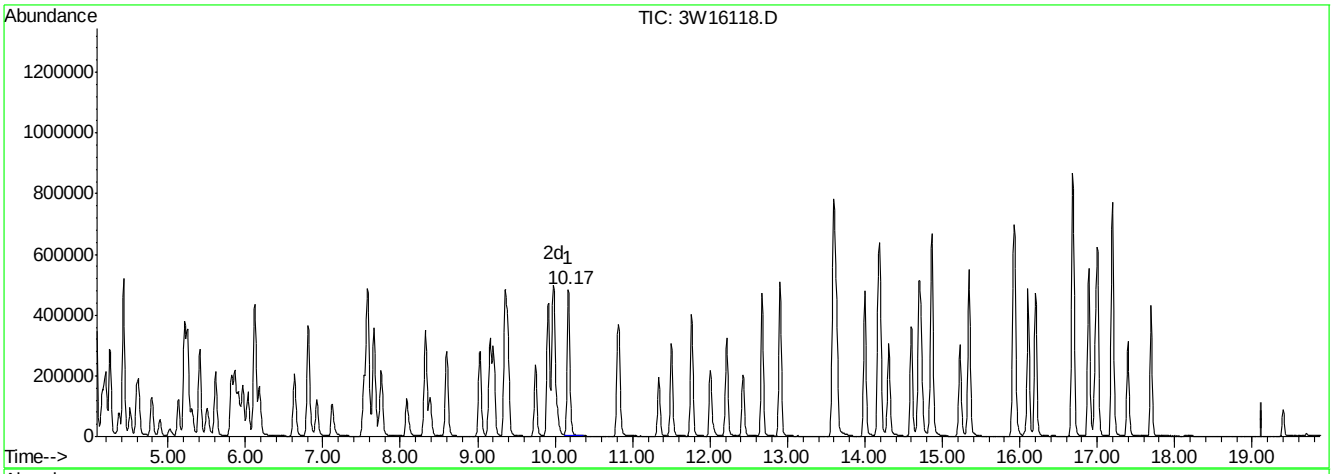
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16118.D M3W644.M Wed Apr 07 11:36:03 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.17min 10.10PPBV m

response 1260885

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16118.D M3W644.M Wed Apr 07 11:36:06 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	99318	10.00	PPBV		-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	472442	10.00	PPBV		-0.01
62) CHLOROBENZENE-D5	13.58	82	215174	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	215649	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	109952	4.24	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.80%				
Target Compounds							Qvalue
3) FREON 152A	4.16	65	1570	0.19	PPBV		74
4) CHLORODIFLUOROMETHANE	4.19	67	625	0.19	PPBV		94
5) DICHLORODIFLUOROMETHANE	4.26	85	6735	0.20	PPBV		98
6) PROPYLENE	4.21	41	1951	0.20	PPBV		97
7) FREON 114	4.43	85	7061	0.20	PPBV		99
8) CHLOROMETHANE	4.37	50	2229	0.20	PPBV		83
9) VINYL CHLORIDE	4.51	62	2527	0.20	PPBV		97
10) 1,3-BUTADIENE	4.60	54	1553	0.17	PPBV		93
11) n-BUTANE	4.63	43	3661	0.21	PPBV	#	83
12) BROMOMETHANE	4.80	94	2421	0.20	PPBV		85
13) CHLOROETHANE	4.89	64	1219	0.18	PPBV		96
14) FREON 123	5.21	83	5510	0.19	PPBV		98
15) FREON 123A	5.25	117	3334	0.20	PPBV		100
16) TRICHLOROFLUOROMETHANE	5.41	101	6378	0.20	PPBV		99
17) ISOPROPYL ALCOHOL	5.53	45	3439	0.18	PPBV		94
18) ACETONE	5.35	58	921	0.18	PPBV	#	66
19) PENTANE	5.61	42	2450	0.22	PPBV		91
20) TVHC as EQUIV PENTANE	5.61	TIC	9663m	0.18	PPBV		
21) IODOMETHANE	5.82	142	5965	0.19	PPBV		97
22) 1,1-DICHLOROETHYLENE	5.86	96	2285	0.20	PPBV		95
23) CARBON DISULFIDE	6.18	76	6956	0.20	PPBV		94
24) ETHANOL	5.05	45	1350	0.31	PPBV		88
25) BROMOETHENE	5.14	106	2236	0.18	PPBV		99
26) METHYLENE CHLORIDE	5.96	84	2620	0.25	PPBV		99
27) 3-CHLOROPROPENE	6.02	76	894	0.17	PPBV		89
28) FREON 113	6.12	151	3824	0.19	PPBV		98
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	2195	0.18	PPBV		95
30) TERTIARY BUTYL ALCOHOL	5.93	59	4175	0.16	PPBV		94
31) METHYL TERTIARY BUTYL ETHE	6.84	73	5130	0.16	PPBV		88
32) TETRAHYDROFURAN	8.14	72	742	0.13	PPBV	#	86
33) HEXANE	7.57	57	3091	0.18	PPBV		90
34) VINYL ACETATE	6.93	86	268	0.10	PPBV	#	7
35) 1,1-DICHLOROETHANE	6.80	63	3881	0.19	PPBV		99
36) METHYL ETHYL KETONE	7.16	72	692	0.13	PPBV	#	89
37) cis-1,2-DICHLOROETHYLENE	7.52	96	2136	0.17	PPBV		98
38) DIISOPROPYL ETHER	7.60	45	5110	0.16	PPBV		94
39) ETHYL ACETATE	7.68	61	468	0.15	PPBV	#	82
40) CHLOROFORM	7.74	83	4394	0.18	PPBV		95
41) 2,4-DIMETHYLPENTANE	8.31	57	3905	0.18	PPBV		98
42) 1,1,1-TRICHLOROETHANE	8.59	97	4741	0.18	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	5003	0.19	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	2432	0.17	PPBV		97
46)	BENZENE	9.02	78	6237	0.18	PPBV		99
47)	CYCLOHEXANE	9.20	56	3270	0.19	PPBV		99
48)	2,3-DIMETHYLPENTANE	9.38	71	2056	0.26	PPBV	#	1
49)	TRICHLOROETHYLENE	9.97	95	2797	0.20	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	2736	0.22	PPBV		88
51)	BROMODICHLOROMETHANE	9.96	83	4199	0.18	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	10118	0.19	PPBV		99
53)	1,4-DIOXANE	10.11	88	1248	0.17	PPBV		89
54)	HEPTANE	10.16	43	3678	0.21	PPBV		91
55)	TVHC as EQUIV HEPTANE	10.16	TIC	20959m	0.17	PPBV		
56)	METHYL METHACRYLATE	10.19	69	1295	0.12	PPBV	#	1
57)	METHYL ISOBUTYL KETONE	10.83	43	2630	0.13	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	10.82	75	2743	0.15	PPBV		91
59)	TOLUENE	11.76	92	4105	0.18	PPBV		100
60)	trans-1,3-DICHLOROPROPENE	11.33	75	2066	0.14	PPBV		94
61)	1,1,2-TRICHLOROETHANE	11.49	83	1849	0.16	PPBV		99
63)	2-HEXANONE	12.04	43	2650	0.15	PPBV		89
64)	TETRACHLOROETHYLENE	12.90	164	2919	0.21	PPBV		97
65)	DIBROMOCHLOROMETHANE	12.20	129	3440	0.16	PPBV		98
66)	1,2-DIBROMOETHANE	12.42	107	2611	0.16	PPBV	#	98
67)	OCTANE	12.67	43	4046	0.19	PPBV		95
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	2762	0.19	PPBV		97
69)	CHLOROBENZENE	13.62	112	4641	0.19	PPBV		99
70)	ETHYLBENZENE	14.00	91	7087	0.17	PPBV		96
71)	m,p-XYLENE	14.18	106	5083	0.33	PPBV		95
72)	o-XYLENE	14.69	106	2375	0.16	PPBV		95
73)	STYRENE	14.59	104	2219	0.10	PPBV		98
74)	NONANE	14.87	43	3369	0.17	PPBV		96
75)	BROMOFORM	14.31	173	2385	0.13	PPBV		97
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	3466	0.18	PPBV		96
78)	1,2,3-TRICHLOROPROPANE	14.85	75	2823	0.18	PPBV		99
79)	ISOPROPYLBENZENE	15.34	105	7454	0.17	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	1564	0.16	PPBV		97
81)	n-PROPYLBENZENE	15.93	120	1503	0.14	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	5149	0.13	PPBV		98
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	4723	0.15	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	1137	0.16	PPBV	#	88
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	4202	0.14	PPBV	#	87
86)	m-DICHLOROBENZENE	16.88	146	2717	0.16	PPBV		97
87)	BENZYL CHLORIDE	16.88	91	2687	0.14	PPBV		95
88)	p-DICHLOROBENZENE	16.97	146	2742	0.17	PPBV		97
89)	sec-BUTYLBENZENE	17.00	134	1253	0.15	PPBV	#	77
90)	p-ISOPROPYLTOLUENE	17.19	134	1158	0.13	PPBV	#	89
91)	o-DICHLOROBENZENE	17.39	146	2558	0.17	PPBV		98
92)	n-BUTYLBENZENE	17.70	134	771	0.11	PPBV	#	83
93)	HEXACHLOROBUTADIENE	19.94	225	1314	0.25	PPBV		96
94)	1,2,4-TRICHLOROBENZENE	19.41	180	430	0.15	PPBV	#	83

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

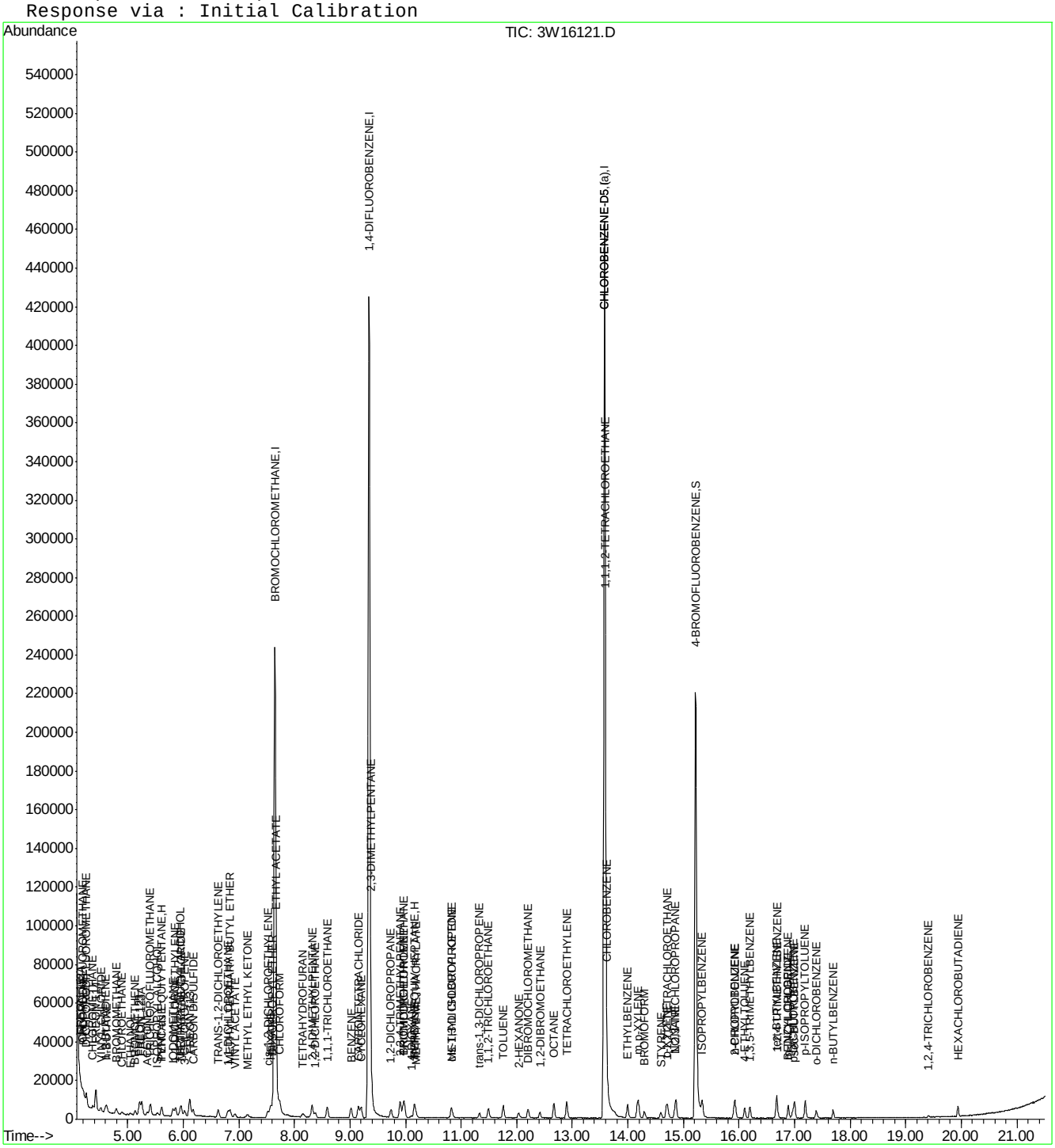
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

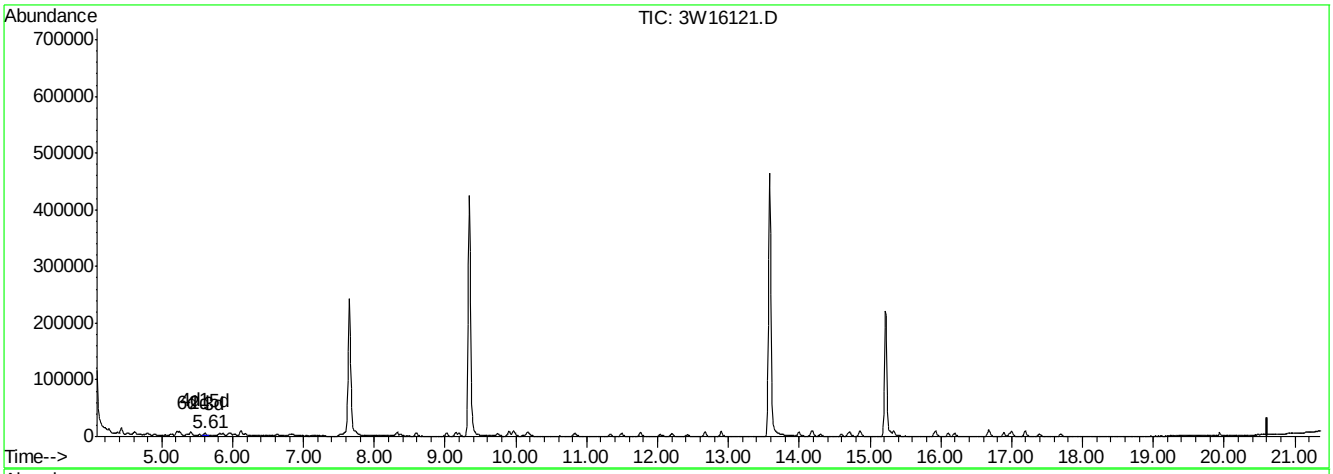


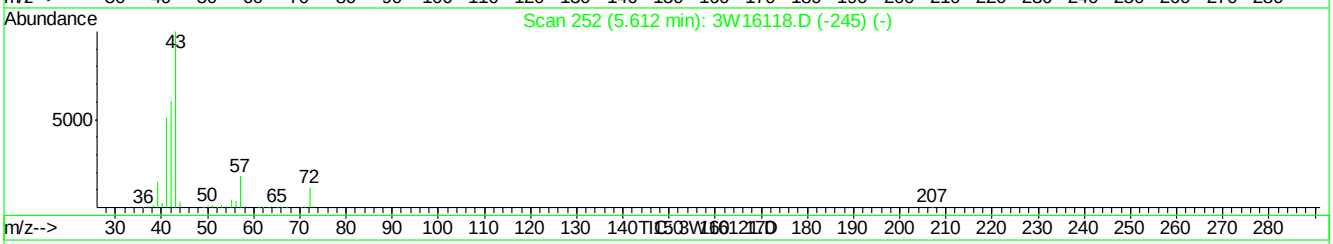
ACCUTEST Laboratories JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 0.18PPBV m

response 9663

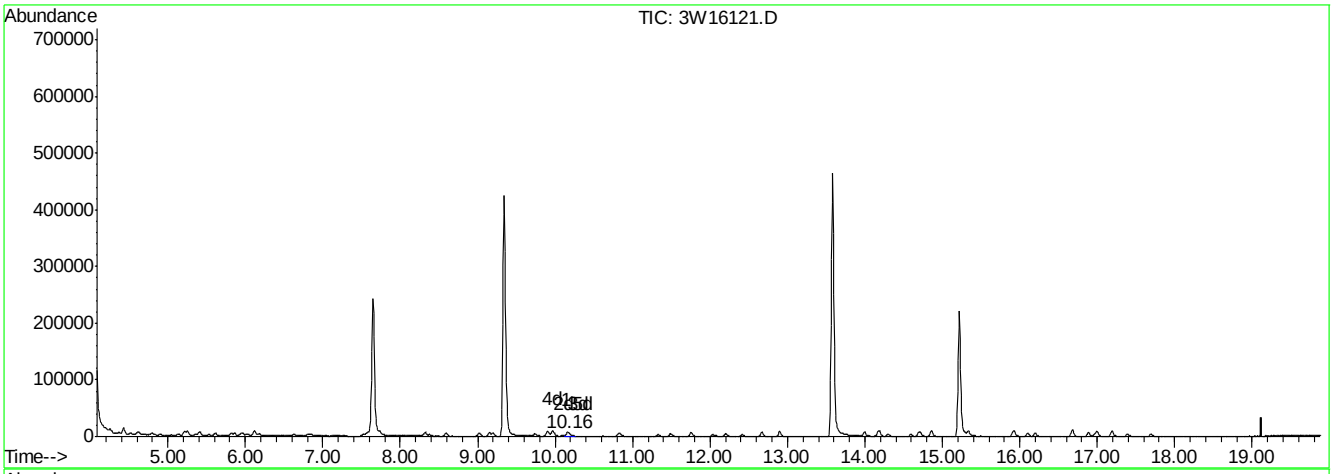
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16121.D M3W644.M Wed Apr 07 11:36:14 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.17PPBV m

response 20959

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16121.D M3W644.M Wed Apr 07 11:36:17 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.68	128	94770	10.00	PPBV	0.02
45) 1,4-DIFLUOROBENZENE	9.37	114	481093	10.00	PPBV	0.02
62) CHLOROBENZENE-D5	13.60	82	249952	10.00	PPBV	0.01
95) CHLOROBENZENE-D5 (a)	13.60	82	249746	10.00	PPBV	0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.24	95	149620	4.97	PPBV	0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.40%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	162695	20.53	PPBV	98
4) CHLORODIFLUOROMETHANE	4.19	67	62403	20.19	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.26	85	626187	19.58	PPBV	99
6) PROPYLENE	4.21	41	183633	19.76	PPBV	99
7) FREON 114	4.44	85	661745	19.65	PPBV	99
8) CHLOROMETHANE	4.38	50	212669	20.46	PPBV	97
9) VINYL CHLORIDE	4.52	62	249132	20.62	PPBV	100
10) 1,3-BUTADIENE	4.61	54	179643	20.54	PPBV	99
11) n-BUTANE	4.63	43	321667	19.59	PPBV	100
12) BROMOMETHANE	4.80	94	237228	20.63	PPBV	100
13) CHLOROETHANE	4.91	64	132393	20.69	PPBV	100
14) FREON 123	5.23	83	538083	19.55	PPBV	100
15) FREON 123A	5.27	117	320961	19.74	PPBV	97
16) TRICHLOROFLUOROMETHANE	5.42	101	611497	20.09	PPBV	100
17) ISOPROPYL ALCOHOL	5.55	45	363509	20.31	PPBV	100
18) ACETONE	5.33	58	104258	21.44	PPBV	96
19) PENTANE	5.63	42	213851	20.32	PPBV	100
20) TVHC as EQUIV PENTANE	5.63	TIC	1025929m	20.50	PPBV	
21) IODOMETHANE	5.84	142	618743	20.45	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.88	96	223165	20.35	PPBV	99
23) CARBON DISULFIDE	6.20	76	656315	20.24	PPBV	100
24) ETHANOL	5.05	45	85026	20.33	PPBV	99
25) BROMOETHENE	5.15	106	236162	20.39	PPBV	100
26) METHYLENE CHLORIDE	5.98	84	196563	20.03	PPBV	99
27) 3-CHLOROPROPENE	6.05	76	106246	20.55	PPBV	99
28) FREON 113	6.14	151	387866	20.44	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	234308	20.51	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.95	59	435576	17.35	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.83	73	602474	20.10	PPBV	99
32) TETRAHYDROFURAN	8.10	72	110329	20.73	PPBV	99
33) HEXANE	7.58	57	317318	19.58	PPBV	100
34) VINYL ACETATE	6.94	86	50698	20.73	PPBV	98
35) 1,1-DICHLOROETHANE	6.83	63	395970	19.81	PPBV	100
36) METHYL ETHYL KETONE	7.15	72	110394	20.90	PPBV	96
37) cis-1,2-DICHLOROETHYLENE	7.55	96	237867	20.18	PPBV	99
38) DIISOPROPYL ETHER	7.61	45	589587	19.65	PPBV	100
39) ETHYL ACETATE	7.69	61	63403	21.06	PPBV	98
40) CHLOROFORM	7.78	83	477374	20.52	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	414988	19.92	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.62	97	501335	20.31	PPBV	100

(#) = qualifier out of range (m) = manual integration
3W16122.D M3W644.M Wed Apr 07 11:35:08 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.17	117	521738	20.22	PPBV	100
44)	1,2-DICHLOROETHANE	8.40	62	273957	20.54	PPBV	100
46)	BENZENE	9.04	78	705854	20.33	PPBV	100
47)	CYCLOHEXANE	9.22	56	351995	20.00	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.40	71	158957	20.09	PPBV	96
49)	TRICHLOROETHYLENE	10.00	95	287479	19.74	PPBV	99
50)	1,2-DICHLOROPROPANE	9.76	63	260716	20.57	PPBV	99
51)	BROMODICHLOROMETHANE	9.99	83	483054	19.78	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.93	57	1040717	19.59	PPBV	100
53)	1,4-DIOXANE	10.05	88	153107	20.57	PPBV	98
54)	HEPTANE	10.18	43	346346	19.34	PPBV	98
55)	TVHC as EQUIV HEPTANE	10.19	TIC	2435629m	19.90	PPBV	
56)	METHYL METHACRYLATE	10.20	69	217476	20.59	PPBV	97
57)	METHYL ISOBUTYL KETONE	10.83	43	390909	19.15	PPBV	98
58)	cis-1,3-DICHLOROPROPENE	10.84	75	381436	20.27	PPBV	99
59)	TOLUENE	11.77	92	481516	20.54	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.35	75	317789	20.83	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.52	83	236856	20.57	PPBV	99
63)	2-HEXANONE	12.03	43	388159	19.45	PPBV	99
64)	TETRACHLOROETHYLENE	12.92	164	322616	19.92	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.23	129	501031	20.19	PPBV	100
66)	1,2-DIBROMOETHANE	12.44	107	389775	20.57	PPBV	100
67)	OCTANE	12.68	43	472230	18.91	PPBV	98
68)	1,1,1,2-TETRACHLOROETHANE	13.62	131	338458	20.29	PPBV	100
69)	CHLOROBENZENE	13.65	112	559662	20.01	PPBV	99
70)	ETHYLBENZENE	14.01	91	976237	20.02	PPBV	99
71)	m,p-XYLENE	14.20	106	712060	39.86	PPBV	98
72)	o-XYLENE	14.71	106	352880	20.25	PPBV	99
73)	STYRENE	14.62	104	526204	21.12	PPBV	100
74)	NONANE	14.88	43	410846	18.28	PPBV	97
75)	BROMOFORM	14.33	173	439431	21.09	PPBV	99
77)	1,1,2,2-TETRACHLOROETHANE	14.75	83	461689	20.17	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.87	75	349938	19.37	PPBV	99
79)	ISOPROPYLBENZENE	15.36	105	1023681	19.89	PPBV	99
80)	2-CHLOROTOLUENE	15.93	126	230567	20.30	PPBV	100
81)	n-PROPYLBENZENE	15.95	120	255187	20.08	PPBV	99
82)	4-ETHYLTOLUENE	16.12	105	898950	20.12	PPBV	99
83)	1,3,5-TRIMETHYLBENZENE	16.22	105	738889	19.83	PPBV	100
84)	tert-BUTYLBENZENE	16.70	134	165826	19.66	PPBV	96
85)	1,2,4-TRIMETHYLBENZENE	16.71	105	654367	19.20	PPBV	100
86)	m-DICHLOROBENZENE	16.91	146	397510	20.27	PPBV	100
87)	BENZYL CHLORIDE	16.91	91	438410	19.72	PPBV	99
88)	p-DICHLOROBENZENE	16.99	146	373742	20.34	PPBV	100
89)	sec-BUTYLBENZENE	17.02	134	197233	19.68	PPBV	95
90)	p-ISOPROPYLTOLUENE	17.21	134	197508	19.60	PPBV	96
91)	o-DICHLOROBENZENE	17.41	146	354580	20.37	PPBV	100
92)	n-BUTYLBENZENE	17.71	134	156934	19.99	PPBV	95
93)	HEXACHLOROBUTADIENE	19.94	225	72240	12.00	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	50035	14.55	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

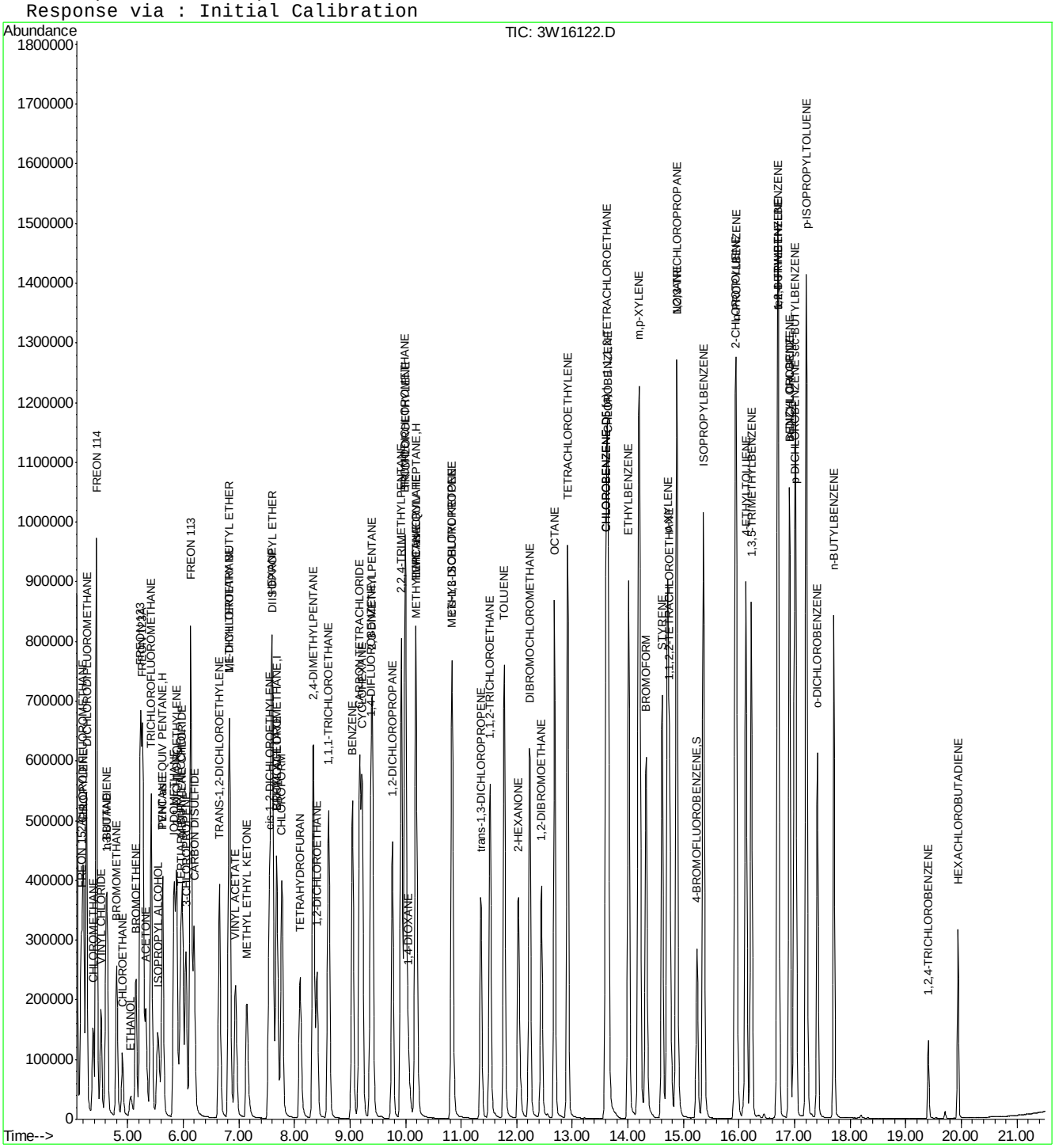
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

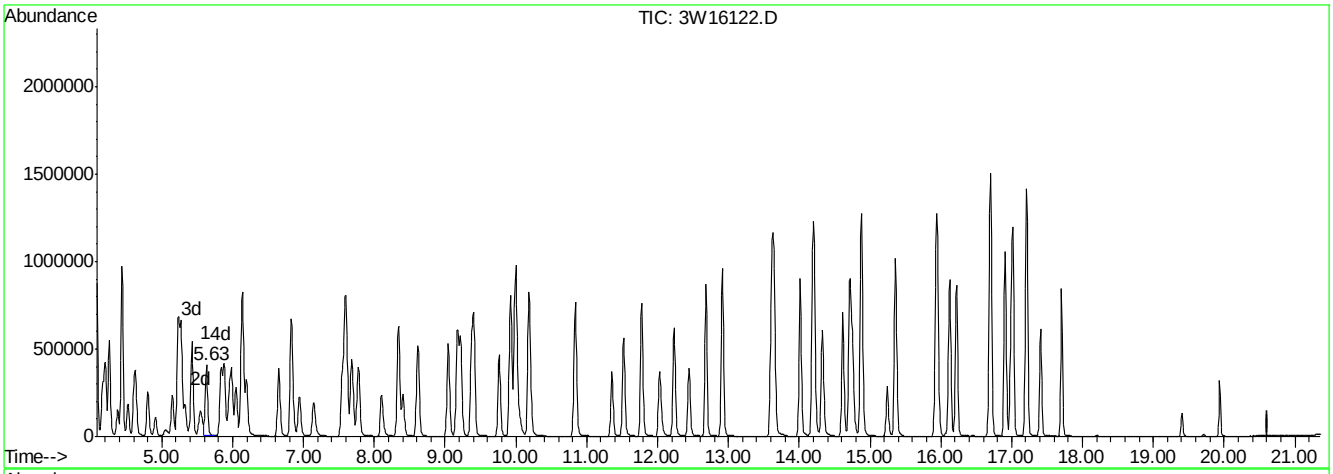


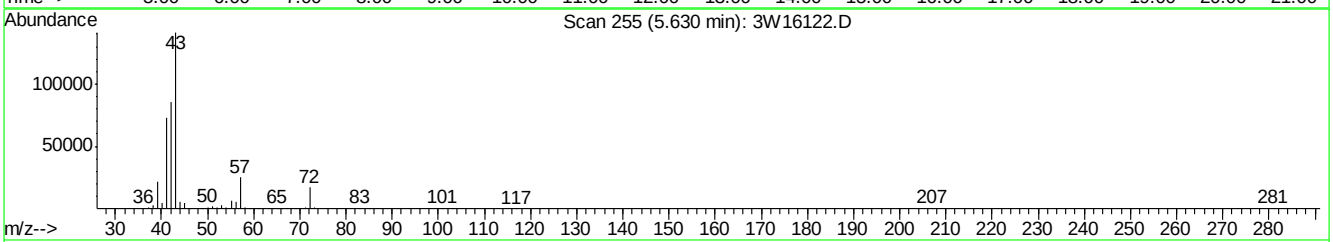
ACCUTEST Laboratories JA45062

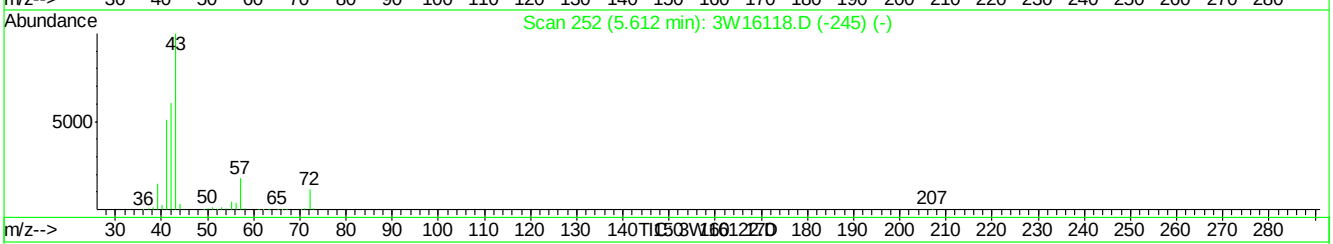
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(20) TVHC as EQUIV PENTANE (H)

5.63min 20.50PPBV m

response 1025929

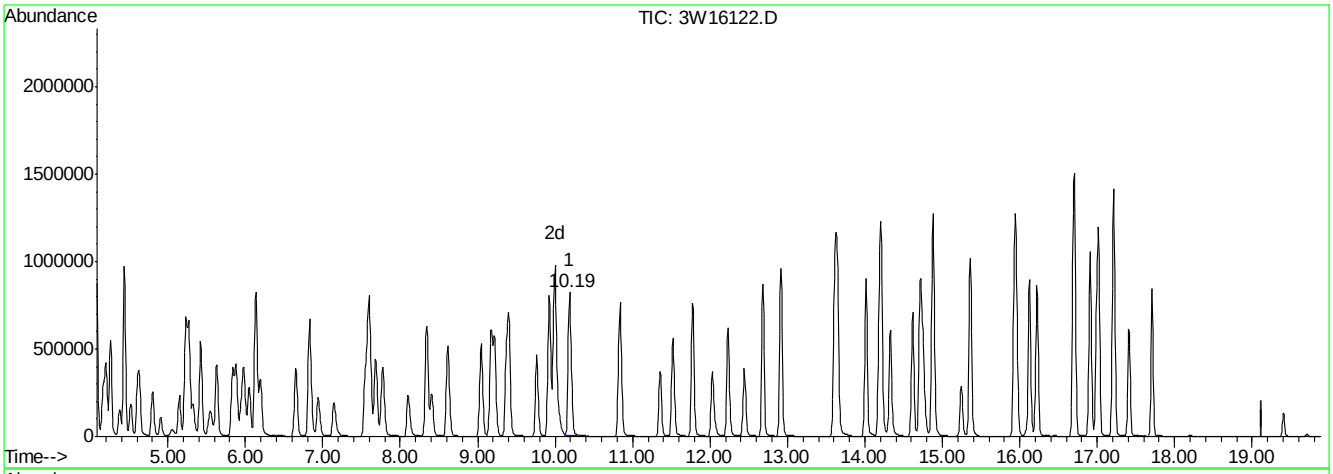
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16122.D M3W644.M Wed Apr 07 11:36:26 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.19min 19.90PPBV m

response 2435629

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16122.D M3W644.M Wed Apr 07 11:36:28 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	100860	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	493574	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	240338	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	240519	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	139698	4.82	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.40%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	43945	5.21	PPBV	97
4) CHLORODIFLUOROMETHANE	4.19	67	17020	5.17	PPBV	99
5) DICHLORODIFLUOROMETHANE	4.26	85	177893	5.23	PPBV	100
6) PROPYLENE	4.21	41	51087	5.17	PPBV	100
7) FREON 114	4.43	85	187613	5.24	PPBV	99
8) CHLOROMETHANE	4.37	50	56123	5.07	PPBV	96
9) VINYL CHLORIDE	4.52	62	66872	5.20	PPBV	100
10) 1,3-BUTADIENE	4.60	54	47924	5.15	PPBV	99
11) n-BUTANE	4.63	43	90086	5.16	PPBV	100
12) BROMOMETHANE	4.79	94	62561	5.11	PPBV	99
13) CHLOROETHANE	4.90	64	33712	4.95	PPBV	99
14) FREON 123	5.22	83	147262	5.03	PPBV	100
15) FREON 123A	5.26	117	87856	5.08	PPBV	99
16) TRICHLOROFLUOROMETHANE	5.41	101	163708	5.05	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	87419	4.59	PPBV	100
18) ACETONE	5.31	58	24721	4.78	PPBV	97
19) PENTANE	5.62	42	56103	5.01	PPBV	100
20) TVHC as EQUIV PENTANE	5.62	TIC	269111m	5.05	PPBV	
21) IODOMETHANE	5.82	142	164588	5.11	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.87	96	59511	5.10	PPBV	100
23) CARBON DISULFIDE	6.18	76	178707	5.18	PPBV	100
24) ETHANOL	5.03	45	20482	4.60	PPBV	99
25) BROMOETHENE	5.14	106	62084	5.04	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	53372	5.11	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	27710	5.04	PPBV	97
28) FREON 113	6.12	151	104519	5.17	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	62440	5.13	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.90	59	121474	4.55	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	155593	4.88	PPBV	99
32) TETRAHYDROFURAN	8.09	72	26466	4.67	PPBV	98
33) HEXANE	7.57	57	90264	5.23	PPBV	98
34) VINYL ACETATE	6.92	86	12422	4.77	PPBV	97
35) 1,1-DICHLOROETHANE	6.81	63	109624	5.15	PPBV	100
36) METHYL ETHYL KETONE	7.12	72	25720	4.58	PPBV	93
37) cis-1,2-DICHLOROETHYLENE	7.53	96	64509	5.14	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	156231	4.89	PPBV	100
39) ETHYL ACETATE	7.66	61	14833	4.63	PPBV	96
40) CHLOROFORM	7.75	83	126432	5.11	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.33	57	113719	5.13	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.60	97	133634	5.09	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	140618	5.12	PPBV	100
44)	1,2-DICHLOROETHANE	8.38	62	70607	4.98	PPBV	100
46)	BENZENE	9.02	78	187214	5.25	PPBV	100
47)	CYCLOHEXANE	9.20	56	96464	5.34	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.38	71	43772	5.39	PPBV	98
49)	TRICHLOROETHYLENE	9.99	95	79851	5.34	PPBV	100
50)	1,2-DICHLOROPROPANE	9.74	63	66729	5.13	PPBV	100
51)	BROMODICHLOROMETHANE	9.96	83	129866	5.18	PPBV	99
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	289119	5.31	PPBV	100
53)	1,4-DIOXANE	10.03	88	37228	4.87	PPBV	98
54)	HEPTANE	10.16	43	96380	5.25	PPBV	99
55)	TVHC as EQUIV HEPTANE	10.17	TIC	638704m	5.09	PPBV	
56)	METHYL METHACRYLATE	10.18	69	51016	4.71	PPBV	94
57)	METHYL ISOBUTYL KETONE	10.81	43	95217	4.55	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.83	75	98121	5.08	PPBV	98
59)	TOLUENE	11.76	92	124254	5.17	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	11.34	75	74694	4.77	PPBV	99
61)	1,1,2-TRICHLOROETHANE	11.50	83	60417	5.12	PPBV	100
63)	2-HEXANONE	12.00	43	88671	4.62	PPBV	100
64)	TETRACHLOROETHYLENE	12.90	164	86024	5.52	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.21	129	125765	5.27	PPBV	99
66)	1,2-DIBROMOETHANE	12.42	107	93271	5.12	PPBV	100
67)	OCTANE	12.67	43	131117	5.46	PPBV	99
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	86878	5.42	PPBV	99
69)	CHLOROBENZENE	13.63	112	144785	5.38	PPBV	99
70)	ETHYLBENZENE	14.00	91	249451	5.32	PPBV	100
71)	m,p-XYLENE	14.18	106	184901	10.76	PPBV	100
72)	o-XYLENE	14.69	106	90328	5.39	PPBV	99
73)	STYRENE	14.60	104	118083	4.93	PPBV	99
74)	NONANE	14.87	43	117816	5.45	PPBV	100
75)	BROMOFORM	14.31	173	100547	5.02	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	114783	5.22	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	91275	5.25	PPBV	99
79)	ISOPROPYLBENZENE	15.34	105	262326	5.30	PPBV	99
80)	2-CHLOROTOLUENE	15.91	126	57902	5.30	PPBV	99
81)	n-PROPYLBENZENE	15.93	120	64336	5.26	PPBV	100
82)	4-ETHYLTOLUENE	16.11	105	218526	5.09	PPBV	99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	188173	5.25	PPBV	99
84)	tert-BUTYLBENZENE	16.68	134	42879	5.29	PPBV	99
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	169940	5.19	PPBV	98
86)	m-DICHLOROBENZENE	16.88	146	92719	4.92	PPBV	100
87)	BENZYL CHLORIDE	16.88	91	94947	4.44	PPBV	100
88)	p-DICHLOROBENZENE	16.97	146	86478	4.89	PPBV	99
89)	sec-BUTYLBENZENE	17.00	134	49627	5.15	PPBV	97
90)	p-ISOPROPYLTOLUENE	17.19	134	48199	4.97	PPBV	98
91)	o-DICHLOROBENZENE	17.39	146	83362	4.98	PPBV	100
92)	n-BUTYLBENZENE	17.69	134	35525	4.71	PPBV	97
93)	HEXACHLOROBUTADIENE	19.94	225	24643	4.26	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	12891	3.90	PPBV	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

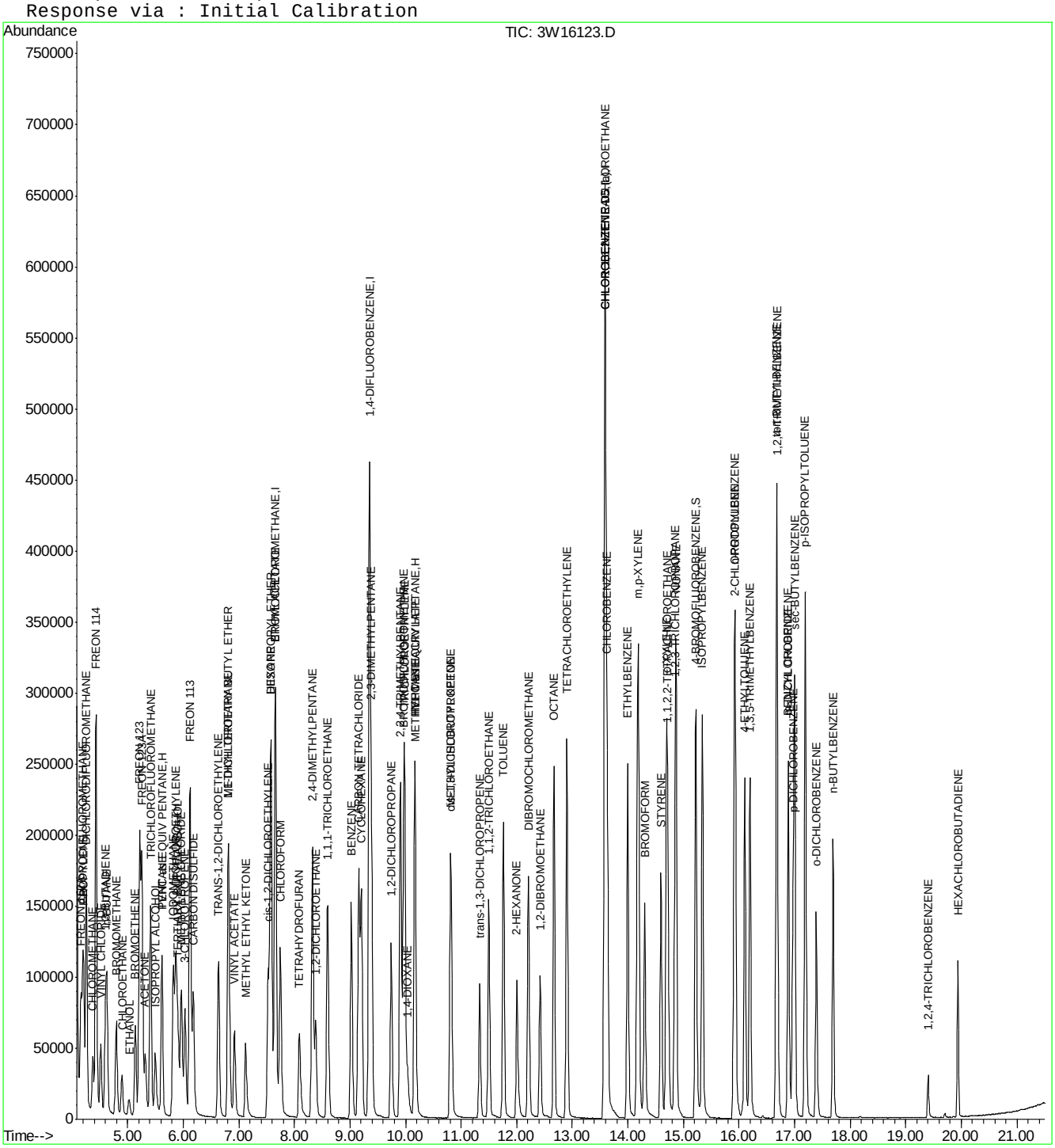
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

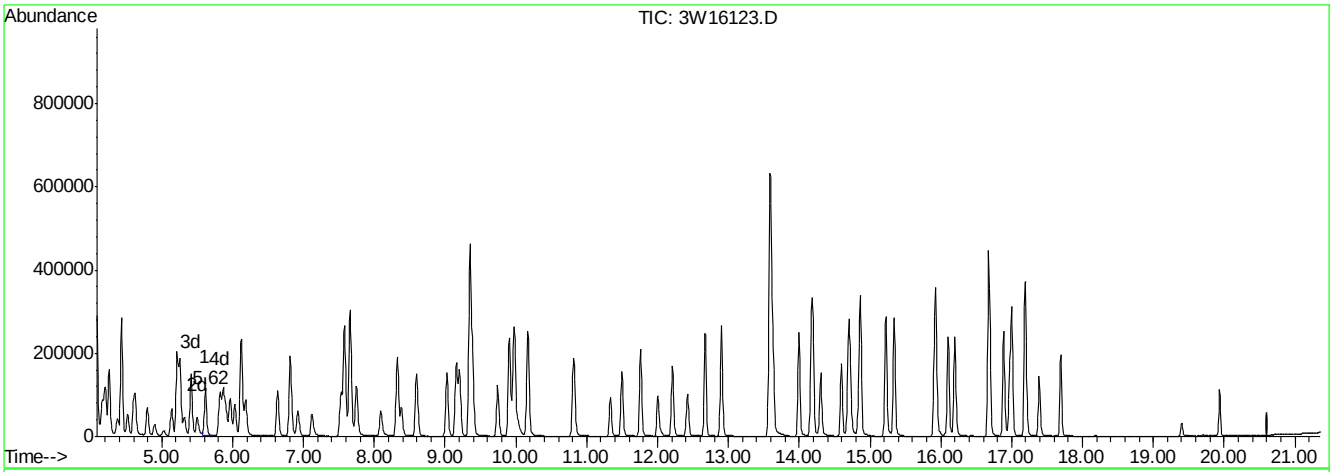


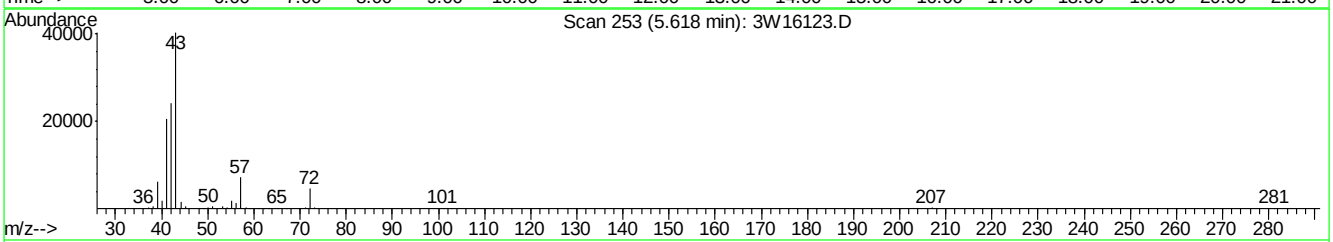
ACCUTEST. JA45062 Laboratories

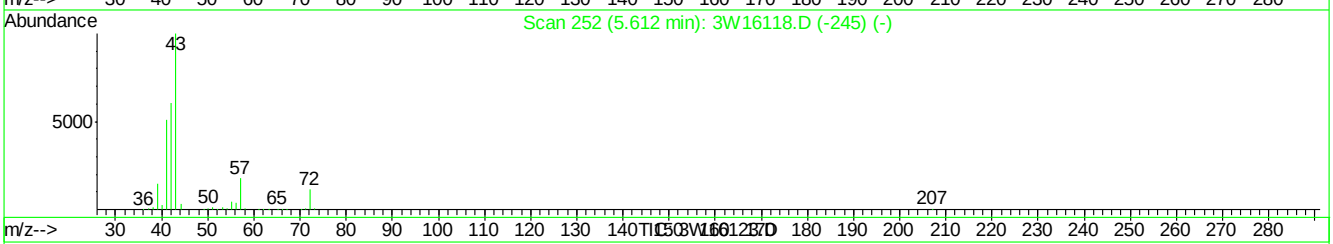
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(20) TVHC as EQUIV PENTANE (H)

5.62min 5.05PPBV m

response 269111

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

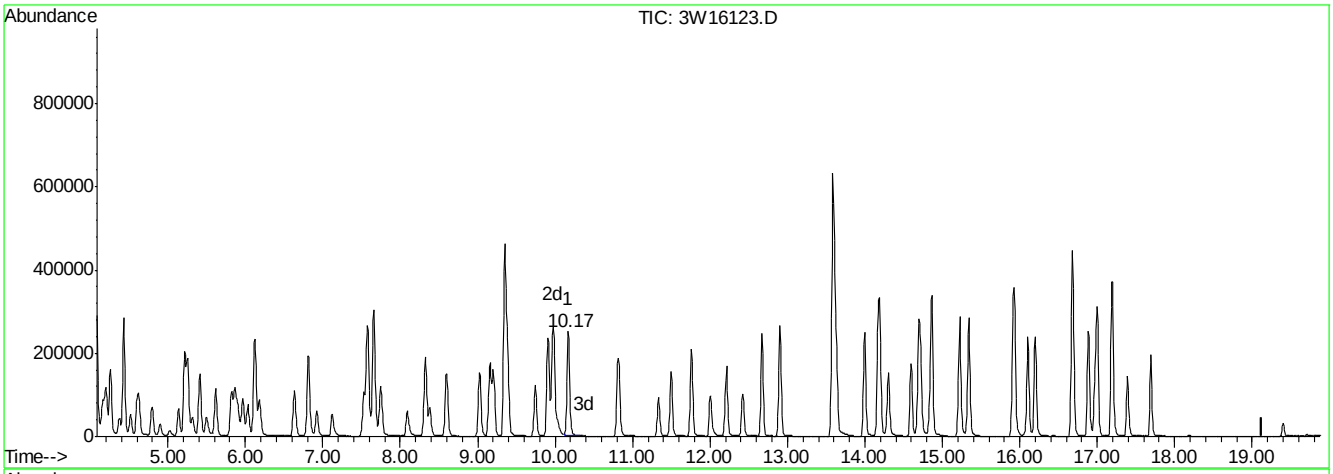
3W16123.D M3W644.M Wed Apr 07 11:36:36 2010 MS3W

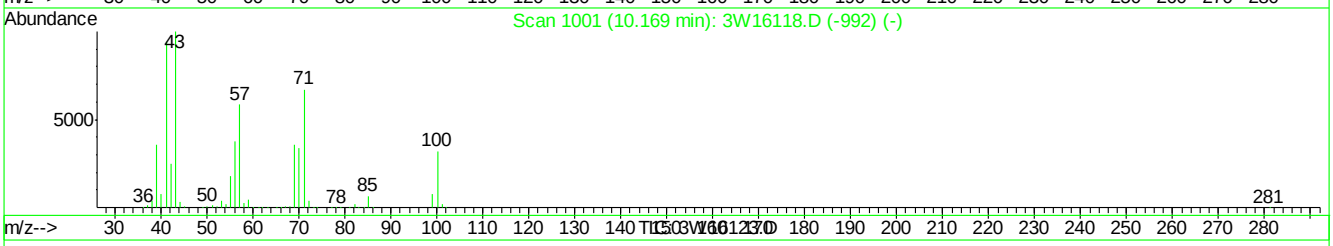
ACCUTEST. Laboratories
JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.17min 5.09PPBV m

response 638704

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16123.D M3W644.M Wed Apr 07 11:36:39 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	101458	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	486504	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	223991	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	224773	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	116705	4.32	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	4185	0.49	PPBV	65
4) CHLORODIFLUOROMETHANE	4.19	67	1691	0.51	PPBV	92
5) DICHLORODIFLUOROMETHANE	4.26	85	17296	0.51	PPBV	97
6) PROPYLENE	4.21	41	4822	0.48	PPBV	96
7) FREON 114	4.43	85	18600	0.52	PPBV	99
8) CHLOROMETHANE	4.37	50	5606	0.50	PPBV	99
9) VINYL CHLORIDE	4.51	62	6391	0.49	PPBV	99
10) 1,3-BUTADIENE	4.60	54	4149	0.44	PPBV	98
11) n-BUTANE	4.62	43	9025	0.51	PPBV	98
12) BROMOMETHANE	4.78	94	6094	0.49	PPBV	99
13) CHLOROETHANE	4.89	64	3269	0.48	PPBV	98
14) FREON 123	5.21	83	14892	0.51	PPBV	100
15) FREON 123A	5.25	117	8824	0.51	PPBV	98
16) TRICHLOROFLUOROMETHANE	5.41	101	16455	0.50	PPBV	98
17) ISOPROPYL ALCOHOL	5.50	45	8898	0.46	PPBV	92
18) ACETONE	5.33	58	2600	0.50	PPBV	98
19) PENTANE	5.61	42	5502	0.49	PPBV	97
20) TVHC as EQUIV PENTANE	5.61	TIC	24642m	0.46	PPBV	
21) IODOMETHANE	5.81	142	15821	0.49	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.86	96	5971	0.51	PPBV	95
23) CARBON DISULFIDE	6.17	76	17516	0.50	PPBV	97
24) ETHANOL	5.02	45	2697	0.60	PPBV	96
25) BROMOETHENE	5.13	106	5936	0.48	PPBV	97
26) METHYLENE CHLORIDE	5.96	84	5846	0.56	PPBV	98
27) 3-CHLOROPROPENE	6.02	76	2575	0.47	PPBV	94
28) FREON 113	6.11	151	10416	0.51	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	5858	0.48	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.91	59	12371	0.46	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	14634	0.46	PPBV	96
32) TETRAHYDROFURAN	8.11	72	2264	0.40	PPBV	96
33) HEXANE	7.56	57	8449	0.49	PPBV	97
34) VINYL ACETATE	6.91	86	947	0.36	PPBV #	83
35) 1,1-DICHLOROETHANE	6.80	63	10763	0.50	PPBV	98
36) METHYL ETHYL KETONE	7.13	72	2188	0.39	PPBV	97
37) cis-1,2-DICHLOROETHYLENE	7.51	96	5752	0.46	PPBV	98
38) DIISOPROPYL ETHER	7.58	45	14752	0.46	PPBV	97
39) ETHYL ACETATE	7.67	61	1484	0.46	PPBV #	79
40) CHLOROFORM	7.73	83	11898	0.48	PPBV	97
41) 2,4-DIMETHYLPENTANE	8.31	57	10468	0.47	PPBV	98
42) 1,1,1-TRICHLOROETHANE	8.59	97	12636	0.48	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	13450	0.49	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	6779	0.47	PPBV		99
46)	BENZENE	9.01	78	17984	0.51	PPBV		98
47)	CYCLOHEXANE	9.20	56	9097	0.51	PPBV		86
48)	2,3-DIMETHYLPENTANE	9.37	71	4552	0.57	PPBV	#	22
49)	TRICHLOROETHYLENE	9.97	95	7546	0.51	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	6245	0.49	PPBV		98
51)	BROMODICHLOROMETHANE	9.96	83	11809	0.48	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	27714	0.52	PPBV		99
53)	1,4-DIOXANE	10.06	88	3835	0.51	PPBV		94
54)	HEPTANE	10.16	43	9322	0.51	PPBV		97
55)	TVHC as EQUIV HEPTANE	10.16	TIC	57355m	0.46	PPBV		
56)	METHYL METHACRYLATE	10.17	69	3929	0.37	PPBV	#	75
57)	METHYL ISOBUTYL KETONE	10.81	43	7951	0.39	PPBV		98
58)	cis-1,3-DICHLOROPROPENE	10.81	75	8083	0.42	PPBV		97
59)	TOLUENE	11.75	92	11298	0.48	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	5939	0.38	PPBV		95
61)	1,1,2-TRICHLOROETHANE	11.49	83	5417	0.47	PPBV		99
63)	2-HEXANONE	12.01	43	7207	0.40	PPBV		95
64)	TETRACHLOROETHYLENE	12.90	164	7831	0.54	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	10202	0.46	PPBV		99
66)	1,2-DIBROMOETHANE	12.41	107	7562	0.45	PPBV		100
67)	OCTANE	12.67	43	11583	0.52	PPBV		99
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	8038	0.54	PPBV		99
69)	CHLOROBENZENE	13.62	112	13096	0.52	PPBV		98
70)	ETHYLBENZENE	13.99	91	20391	0.47	PPBV		99
71)	m,p-XYLENE	14.18	106	15272	0.95	PPBV		96
72)	o-XYLENE	14.69	106	7618	0.49	PPBV		99
73)	STYRENE	14.59	104	6743	0.30	PPBV		99
74)	NONANE	14.87	43	10533	0.52	PPBV		98
75)	BROMOFORM	14.30	173	7168	0.38	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	10206	0.50	PPBV		97
78)	1,2,3-TRICHLOROPROPANE	14.84	75	8084	0.50	PPBV		96
79)	ISOPROPYLBENZENE	15.33	105	22690	0.49	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	4599	0.45	PPBV		100
81)	n-PROPYLBENZENE	15.93	120	4910	0.43	PPBV		99
82)	4-ETHYLTOLUENE	16.10	105	15987	0.40	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	14638	0.44	PPBV		99
84)	tert-BUTYLBENZENE	16.67	134	3587	0.47	PPBV		94
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	13314	0.44	PPBV		90
86)	m-DICHLOROBENZENE	16.88	146	7382	0.42	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	6925	0.35	PPBV		98
88)	p-DICHLOROBENZENE	16.97	146	6822	0.41	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	4062	0.45	PPBV	#	93
90)	p-ISOPROPYLTOLUENE	17.18	134	3718	0.41	PPBV		94
91)	o-DICHLOROBENZENE	17.39	146	6802	0.44	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	2509	0.36	PPBV		93
93)	HEXACHLOROBUTADIENE	19.94	225	3542	0.66	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	1392	0.45	PPBV		93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

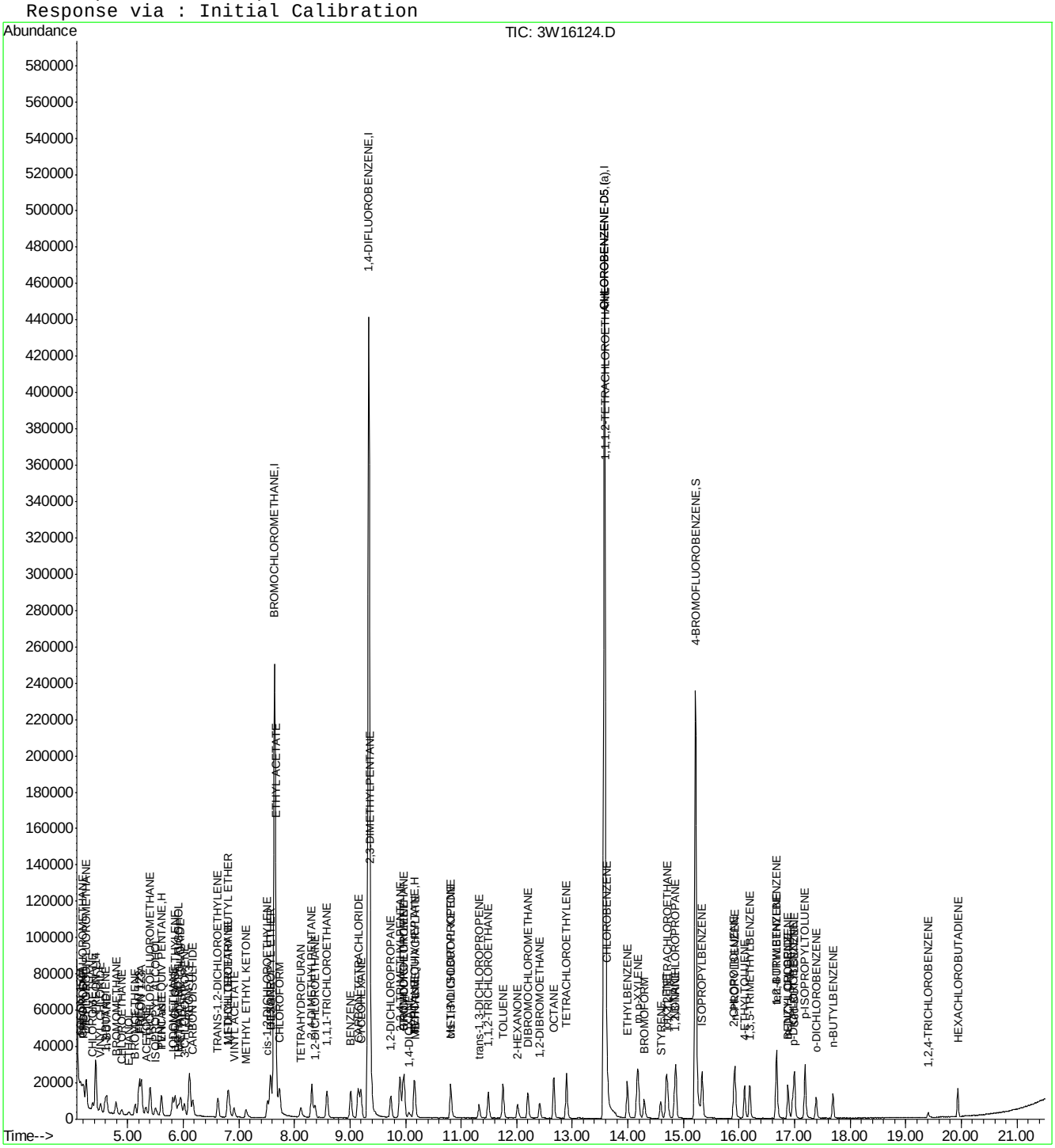
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

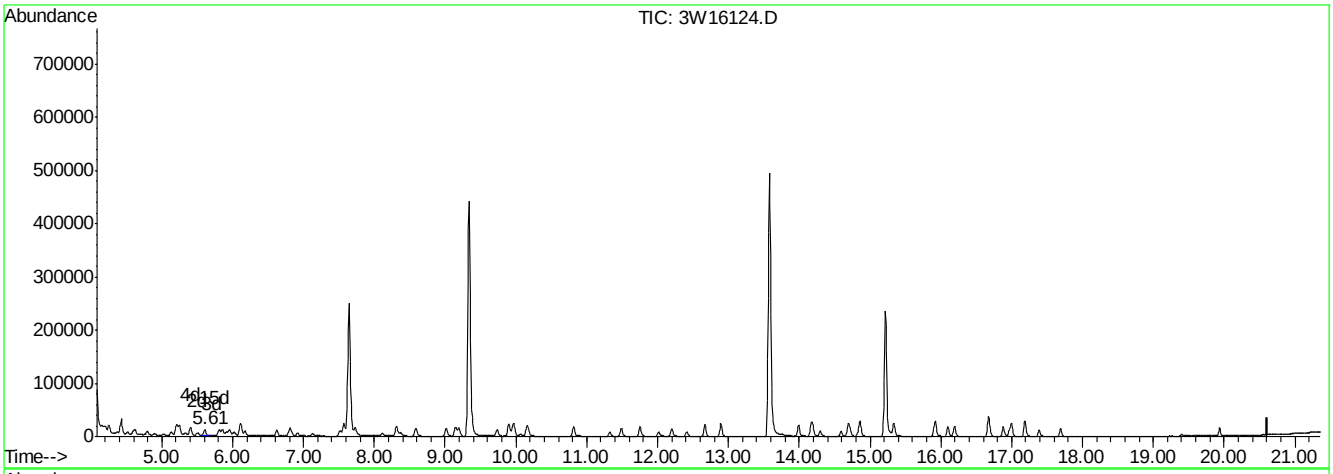


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JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 0.46PPBV m

response 24642

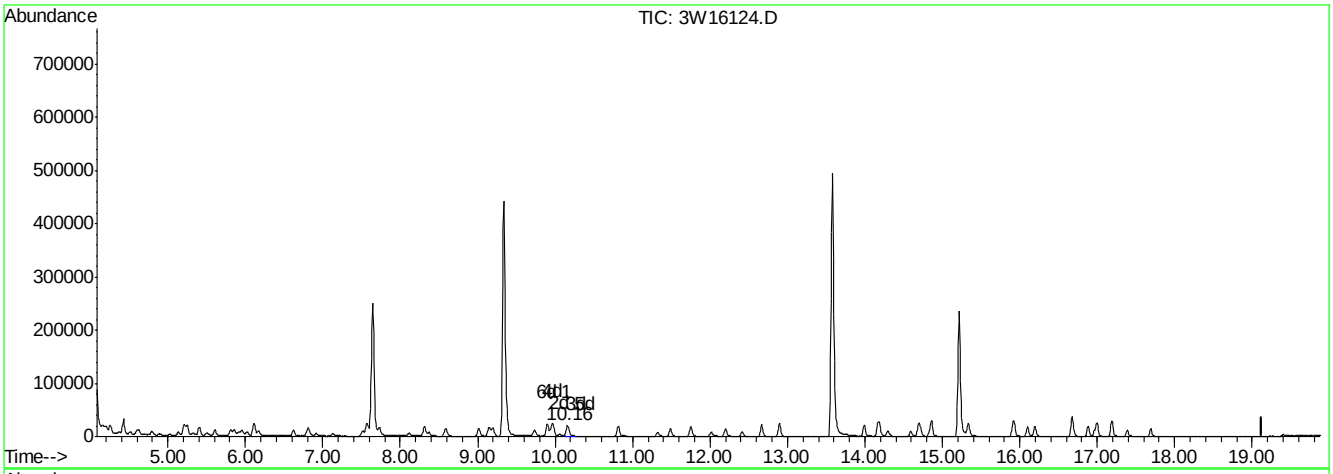
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16124.D M3W644.M Wed Apr 07 11:36:47 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.46PPBV m

response 57355

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16124.D M3W644.M Wed Apr 07 11:36:49 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:48 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	99733	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	475250	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	212815	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	213065	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	106842	4.16	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.20%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	974	0.12	PPBV #	51
4) CHLORODIFLUOROMETHANE	4.19	67	399	0.12	PPBV #	36
5) DICHLORODIFLUOROMETHANE	4.26	85	3691	0.11	PPBV	99
6) PROPYLENE	4.21	41	1008	0.10	PPBV	92
7) FREON 114	4.43	85	4100	0.12	PPBV	99
8) CHLOROMETHANE	4.38	50	1379	0.13	PPBV	91
9) VINYL CHLORIDE	4.52	62	1416	0.11	PPBV #	92
10) 1,3-BUTADIENE	4.60	54	854	0.09	PPBV #	52
11) n-BUTANE	4.62	43	2130	0.12	PPBV #	95
12) BROMOMETHANE	4.80	94	1329	0.11	PPBV #	71
13) CHLOROETHANE	4.90	64	699	0.10	PPBV	92
14) FREON 123	5.22	83	3282	0.11	PPBV	98
15) FREON 123A	5.25	117	1956	0.11	PPBV	93
16) TRICHLOROFLUOROMETHANE	5.41	101	3672	0.11	PPBV	100
17) ISOPROPYL ALCOHOL	5.54	45	2018	0.11	PPBV	81
18) ACETONE	5.37	58	616	0.12	PPBV #	51
19) PENTANE	5.61	42	1545	0.14	PPBV	87
20) TVHC as EQUIV PENTANE	5.61	TIC	6218m	0.12	PPBV	
21) IODOMETHANE	5.82	142	3418	0.11	PPBV	96
22) 1,1-DICHLOROETHYLENE	5.86	96	1341	0.12	PPBV	93
23) CARBON DISULFIDE	6.18	76	3887	0.11	PPBV	88
25) BROMOETHENE	5.14	106	1259	0.10	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	527	0.10	PPBV #	91
28) FREON 113	6.12	151	2223	0.11	PPBV	96
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	1248	0.10	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.96	59	2335	0.09	PPBV	87
31) METHYL TERTIARY BUTYL ETHE	6.85	73	3158	0.10	PPBV	87
32) TETRAHYDROFURAN	8.16	72	381	0.07	PPBV #	61
33) HEXANE	7.56	57	1799	0.11	PPBV #	81
34) VINYL ACETATE	6.93	86	197	0.08	PPBV #	44
35) 1,1-DICHLOROETHANE	6.80	63	2439	0.12	PPBV	96
36) METHYL ETHYL KETONE	7.17	72	399	0.07	PPBV	92
37) cis-1,2-DICHLOROETHYLENE	7.52	96	1141	0.09	PPBV	92
38) DIISOPROPYL ETHER	7.60	45	3217	0.10	PPBV	96
39) ETHYL ACETATE	7.70	61	252	0.08	PPBV #	82
40) CHLOROFORM	7.74	83	2589	0.11	PPBV	94
41) 2,4-DIMETHYLPENTANE	8.33	57	2241	0.10	PPBV	95
42) 1,1,1-TRICHLOROETHANE	8.59	97	2637	0.10	PPBV	98
43) CARBON TETRACHLORIDE	9.15	117	2829	0.10	PPBV	97
44) 1,2-DICHLOROETHANE	8.37	62	1477	0.11	PPBV #	93

(#) = qualifier out of range (m) = manual integration
3W16125.D M3W644.M Wed Apr 07 11:35:12 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:48 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

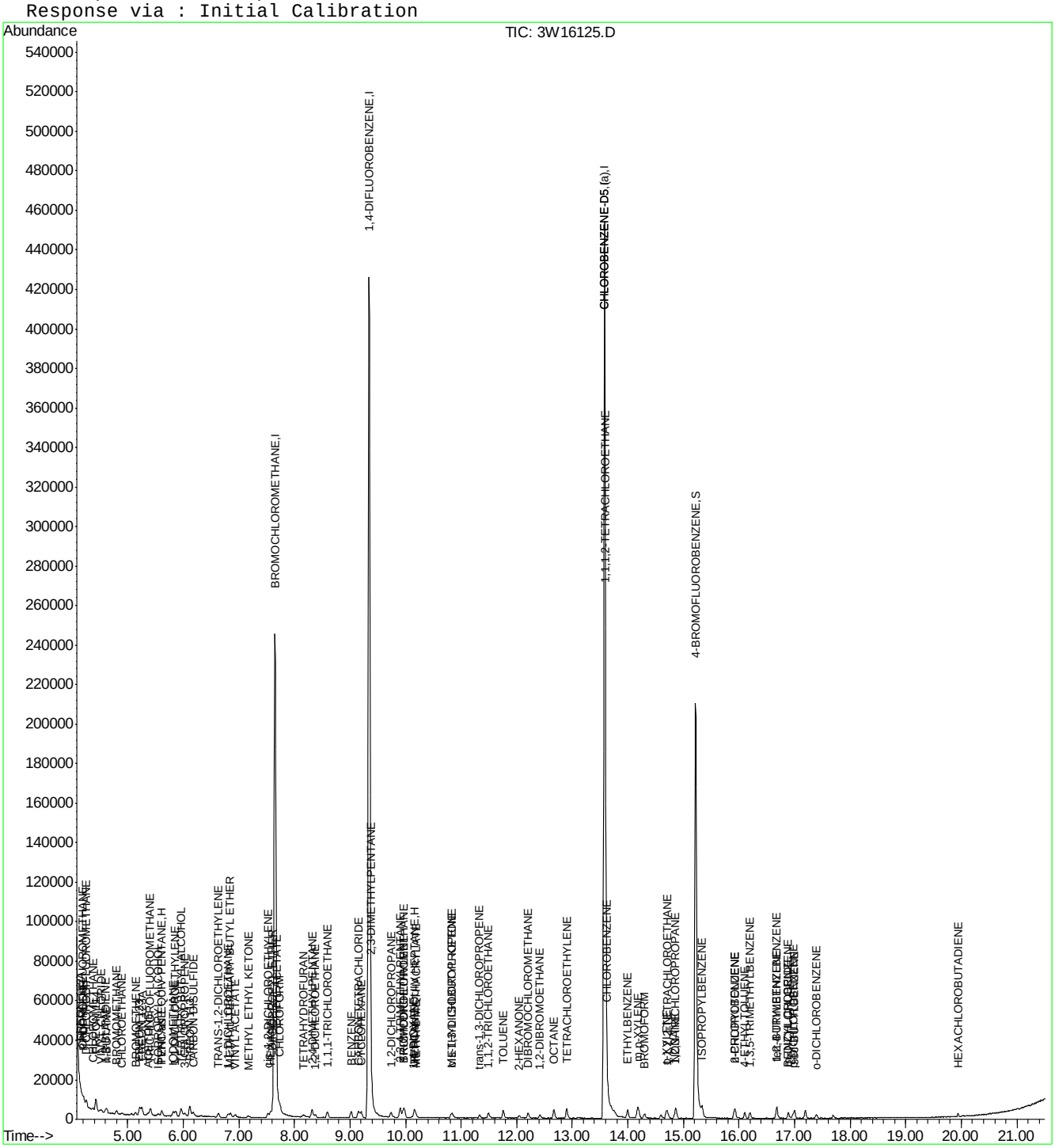
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	9.03	78	3805	0.11	PPBV		98
47)	CYCLOHEXANE	9.20	56	1936	0.11	PPBV		96
48)	2,3-DIMETHYLPENTANE	9.38	71	956	0.12	PPBV	#	1
49)	TRICHLOROETHYLENE	9.98	95	1597	0.11	PPBV		96
50)	1,2-DICHLOROPROPANE	9.74	63	1809	0.14	PPBV		84
51)	BROMODICHLOROMETHANE	9.96	83	2496	0.10	PPBV		95
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	5787	0.11	PPBV		99
53)	1,4-DIOXANE	10.13	88	762	0.10	PPBV	#	57
54)	HEPTANE	10.16	43	2187	0.12	PPBV		91
55)	TVHC as EQUIV HEPTANE	10.16	TIC	12243m	0.10	PPBV		
56)	METHYL METHACRYLATE	10.19	69	818	0.08	PPBV	#	1
57)	METHYL ISOBUTYL KETONE	10.84	43	1557	0.08	PPBV		91
58)	cis-1,3-DICHLOROPROPENE	10.83	75	1659	0.09	PPBV		90
59)	TOLUENE	11.76	92	2548	0.11	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.34	75	1262	0.08	PPBV		94
61)	1,1,2-TRICHLOROETHANE	11.49	83	1080	0.09	PPBV		97
63)	2-HEXANONE	12.04	43	1421	0.08	PPBV	#	82
64)	TETRACHLOROETHYLENE	12.91	164	1644	0.12	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.21	129	2030	0.10	PPBV		96
66)	1,2-DIBROMOETHANE	12.42	107	1597	0.10	PPBV	#	96
67)	OCTANE	12.67	43	2160	0.10	PPBV		98
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	1560	0.11	PPBV		95
69)	CHLOROBENZENE	13.63	112	2778	0.12	PPBV		88
70)	ETHYLBENZENE	14.00	91	4239	0.10	PPBV		98
71)	m,p-XYLENE	14.18	106	2942	0.19	PPBV		96
72)	o-XYLENE	14.69	106	1397	0.09	PPBV		90
74)	NONANE	14.86	43	1776	0.09	PPBV	#	89
75)	BROMOFORM	14.29	173	1536	0.09	PPBV	#	89
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	1643	0.08	PPBV	#	92
78)	1,2,3-TRICHLOROPROPANE	14.85	75	1518	0.10	PPBV		87
79)	ISOPROPYLBENZENE	15.34	105	4380	0.10	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	871	0.09	PPBV		92
81)	n-PROPYLBENZENE	15.94	120	852	0.08	PPBV	#	61
82)	4-ETHYLTOLUENE	16.10	105	2794	0.07	PPBV	#	95
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	2588	0.08	PPBV		99
84)	tert-BUTYLBENZENE	16.67	134	556	0.08	PPBV	#	85
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	2105	0.07	PPBV		88
86)	m-DICHLOROBENZENE	16.88	146	1345	0.08	PPBV		98
87)	BENZYL CHLORIDE	16.88	91	1311	0.07	PPBV	#	79
88)	p-DICHLOROBENZENE	16.98	146	1334	0.09	PPBV		97
89)	sec-BUTYLBENZENE	17.00	134	599	0.07	PPBV	#	84
91)	o-DICHLOROBENZENE	17.39	146	1167	0.08	PPBV		96
93)	HEXACHLOROBUTADIENE	19.94	225	403	0.08	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

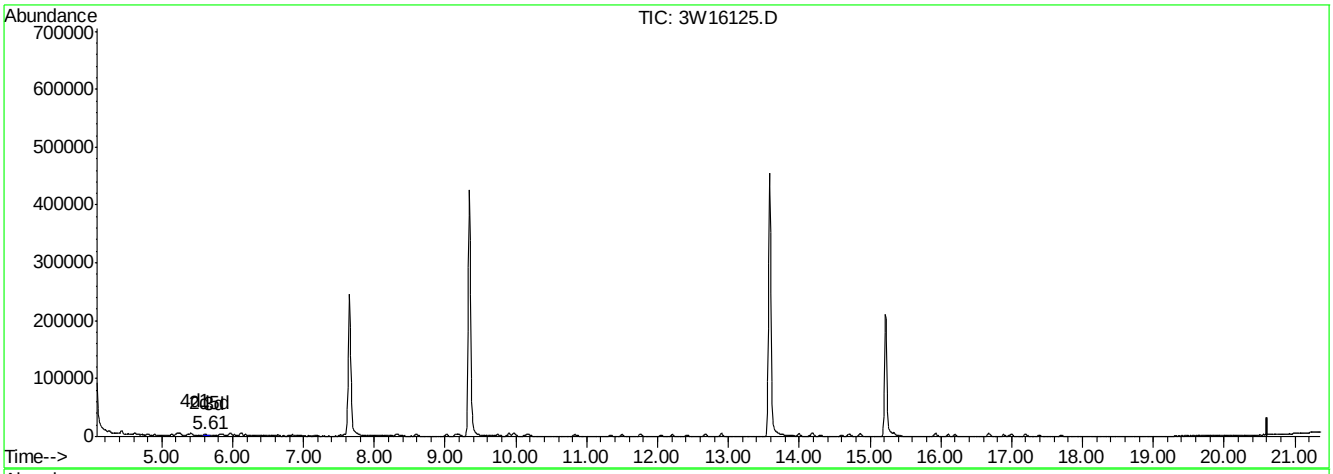


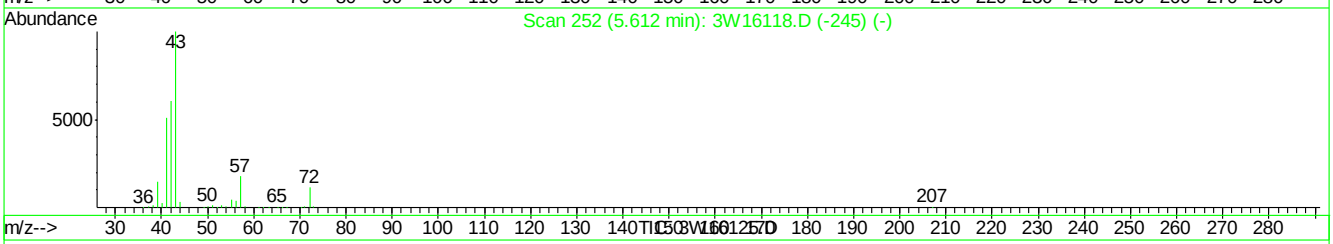
ACCUTEST. JA45062 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 0.12PPBV m

response 6218

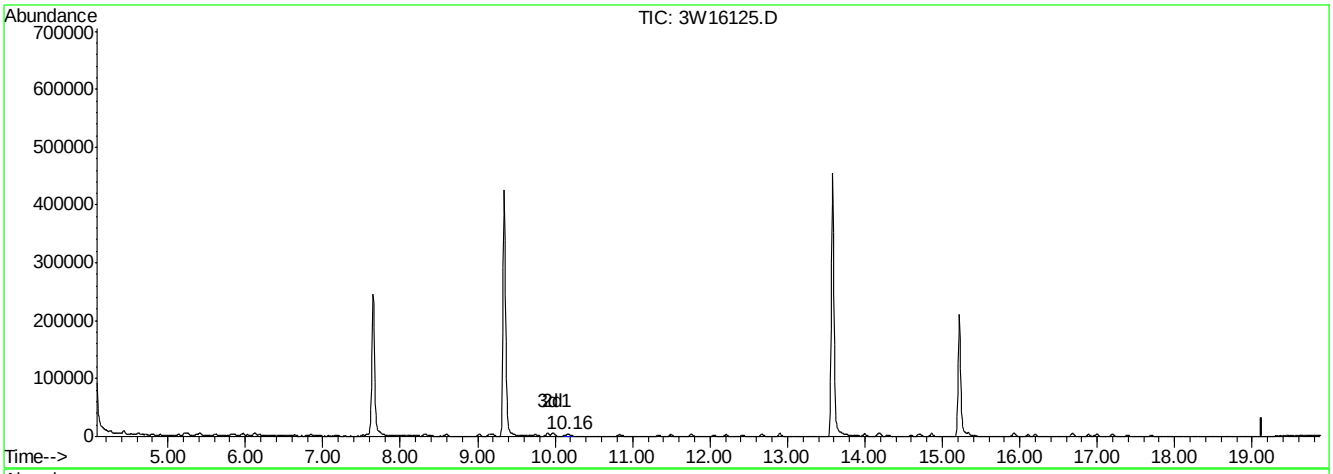
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

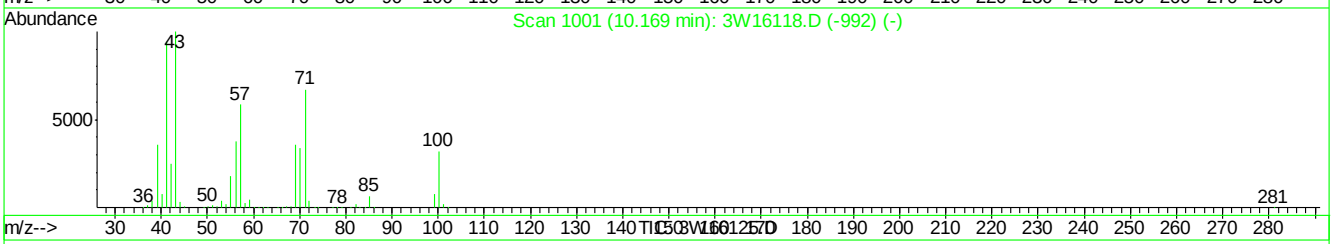
3W16125.D M3W644.M Wed Apr 07 11:37:09 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.10PPBV m

response 12243

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16125.D M3W644.M Wed Apr 07 11:37:12 2010 MS3W

3W16126.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 04/08/10 08:39

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:49 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	97080	10.00	PPBV		-0.01
45) 1,4-DIFLUOROBENZENE	9.35	114	459464	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	13.58	82	207628	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	207628	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	102355	4.09	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 81.80%				
Target Compounds							Qvalue
3) FREON 152A	4.16	65	412	0.05	PPBV	#	51
4) CHLORODIFLUOROMETHANE	4.19	67	150	0.05	PPBV	#	36
5) DICHLORODIFLUOROMETHANE	4.26	85	1699	0.05	PPBV		99
6) PROPYLENE	4.21	41	461m	0.05	PPBV		
7) FREON 114	4.43	85	1703	0.05	PPBV		98
9) VINYL CHLORIDE	4.53	62	599	0.05	PPBV	#	90
10) 1,3-BUTADIENE	4.60	54	364	0.04	PPBV	#	30
12) BROMOMETHANE	4.80	94	521	0.04	PPBV	#	49
13) CHLOROETHANE	4.91	64	260	0.04	PPBV	#	46
14) FREON 123	5.22	83	1342	0.05	PPBV		96
15) FREON 123A	5.26	117	789	0.05	PPBV		91
16) TRICHLOROFLUOROMETHANE	5.41	101	1440	0.05	PPBV		93
17) ISOPROPYL ALCOHOL	5.58	45	796	0.04	PPBV		62
18) ACETONE	5.37	58	303	0.06	PPBV		90
20) TVHC as EQUIV PENTANE	5.61	TIC	2288m	0.04	PPBV		
21) IODOMETHANE	5.82	142	1299	0.04	PPBV		99
22) 1,1-DICHLOROETHYLENE	5.86	96	528	0.05	PPBV		94
23) CARBON DISULFIDE	6.18	76	1640	0.05	PPBV	#	50
25) BROMOETHENE	5.15	106	539	0.05	PPBV	#	91
27) 3-CHLOROPROPENE	6.03	76	230	0.04	PPBV	#	74
28) FREON 113	6.12	151	946	0.05	PPBV		94
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	525	0.04	PPBV		91
30) TERTIARY BUTYL ALCOHOL	5.98	59	664	0.03	PPBV	#	32
31) METHYL TERTIARY BUTYL ETHE	6.87	73	1140	0.04	PPBV		74
33) HEXANE	7.56	57	680	0.04	PPBV	#	73
35) 1,1-DICHLOROETHANE	6.80	63	1018	0.05	PPBV	#	79
37) cis-1,2-DICHLOROETHYLENE	7.52	96	449	0.04	PPBV		86
38) DIISOPROPYL ETHER	7.61	45	1138	0.04	PPBV	#	65
39) ETHYL ACETATE	7.52	61	655	0.21	PPBV	#	1
40) CHLOROFORM	7.74	83	1018	0.04	PPBV	#	87
41) 2,4-DIMETHYLPENTANE	8.32	57	904	0.04	PPBV		95
42) 1,1,1-TRICHLOROETHANE	8.59	97	1054	0.04	PPBV		98
43) CARBON TETRACHLORIDE	9.15	117	1179	0.04	PPBV		95
44) 1,2-DICHLOROETHANE	8.38	62	526	0.04	PPBV	#	83
46) BENZENE	9.03	78	1555	0.05	PPBV		97
47) CYCLOHEXANE	9.21	56	790	0.05	PPBV	#	82
49) TRICHLOROETHYLENE	9.99	95	706	0.05	PPBV		95
51) BROMODICHLOROMETHANE	9.96	83	975	0.04	PPBV		98
52) 2,2,4-TRIMETHYLPENTANE	9.91	57	2371	0.05	PPBV	#	95
54) HEPTANE	10.16	43	838	0.05	PPBV		90

(#) = qualifier out of range (m) = manual integration
3W16126.D M3W644.M Wed Apr 07 11:35:13 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:49 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

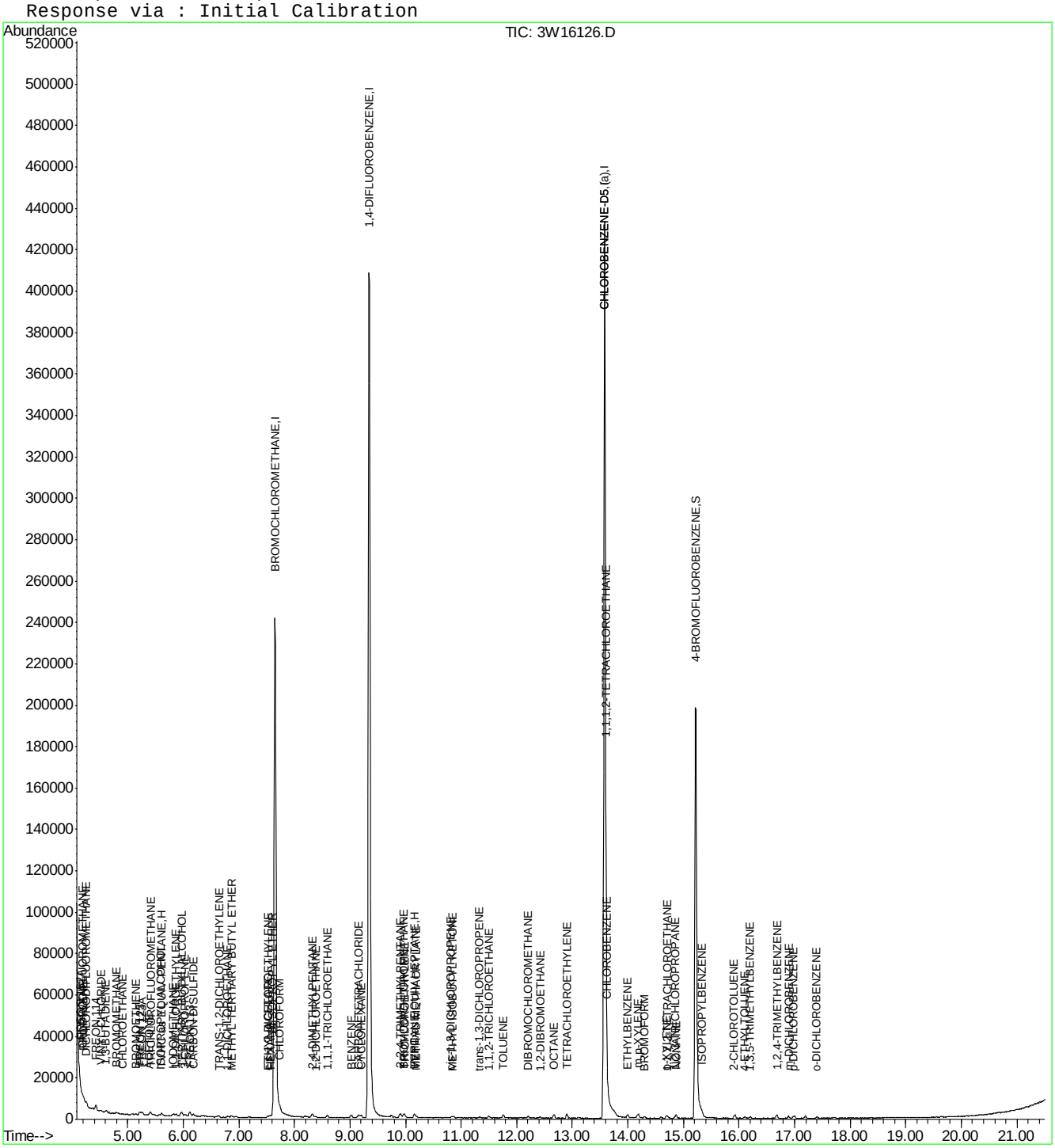
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
55)	TVHC as EQUIV HEPTANE	10.16	TIC	4430m	0.04	PPBV		
56)	METHYL METHACRYLATE	10.19	69	273	0.03	PPBV	#	1
57)	METHYL ISOBUTYL KETONE	10.86	43	495	0.03	PPBV	#	71
58)	cis-1,3-DICHLOROPROPENE	10.83	75	642	0.04	PPBV		97
59)	TOLUENE	11.76	92	980	0.04	PPBV		91
60)	trans-1,3-DICHLOROPROPENE	11.33	75	476	0.03	PPBV	#	56
61)	1,1,2-TRICHLOROETHANE	11.50	83	389	0.04	PPBV		96
64)	TETRACHLOROETHYLENE	12.90	164	585	0.04	PPBV		95
65)	DIBROMOCHLOROMETHANE	12.21	129	772	0.04	PPBV		98
66)	1,2-DIBROMOETHANE	12.42	107	599	0.04	PPBV	#	93
67)	OCTANE	12.67	43	846	0.04	PPBV		92
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	561	0.04	PPBV		89
69)	CHLOROBENZENE	13.63	112	1091	0.05	PPBV	#	43
70)	ETHYLBENZENE	14.00	91	1538	0.04	PPBV	#	88
71)	m,p-XYLENE	14.19	106	1037	0.07	PPBV	#	76
72)	o-XYLENE	14.69	106	485	0.03	PPBV		92
74)	NONANE	14.87	43	649	0.03	PPBV	#	87
75)	BROMOFORM	14.30	173	558	0.03	PPBV	#	83
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	619	0.03	PPBV	#	91
78)	1,2,3-TRICHLOROPROPANE	14.85	75	537	0.04	PPBV		73
79)	ISOPROPYLBENZENE	15.34	105	1603	0.04	PPBV		90
80)	2-CHLOROTOLUENE	15.91	126	273	0.03	PPBV	#	42
82)	4-ETHYLTOLUENE	16.11	105	929	0.03	PPBV	#	91
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	789	0.03	PPBV	#	92
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	655	0.02	PPBV	#	82
86)	m-DICHLOROBENZENE	16.89	146	483	0.03	PPBV		89
88)	p-DICHLOROBENZENE	16.97	146	448	0.03	PPBV		89
91)	o-DICHLOROBENZENE	17.40	146	436	0.03	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

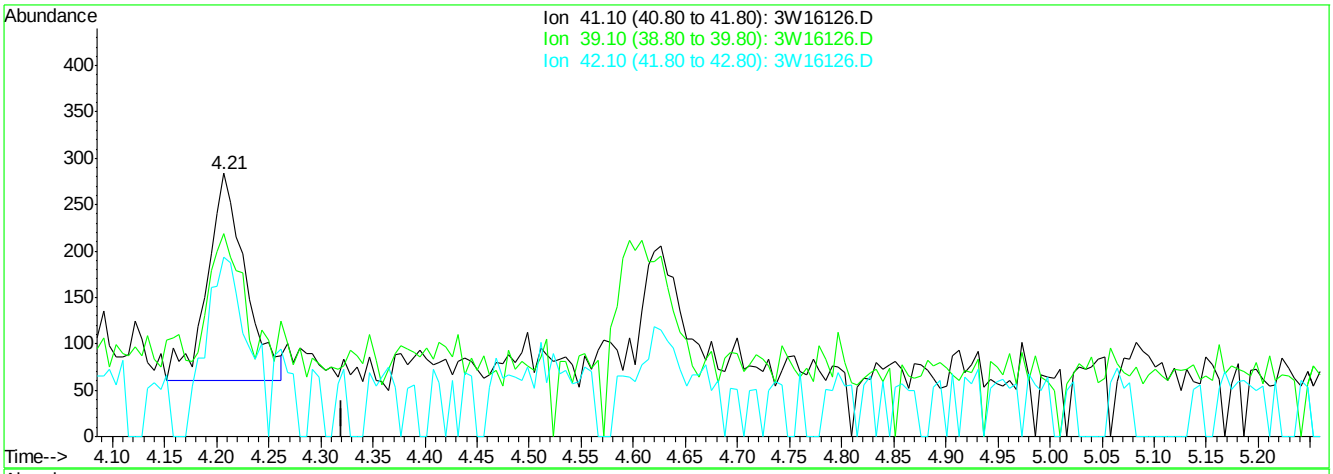


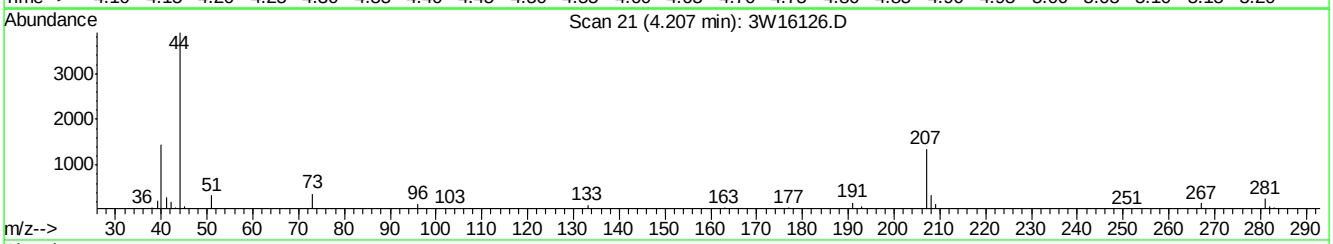
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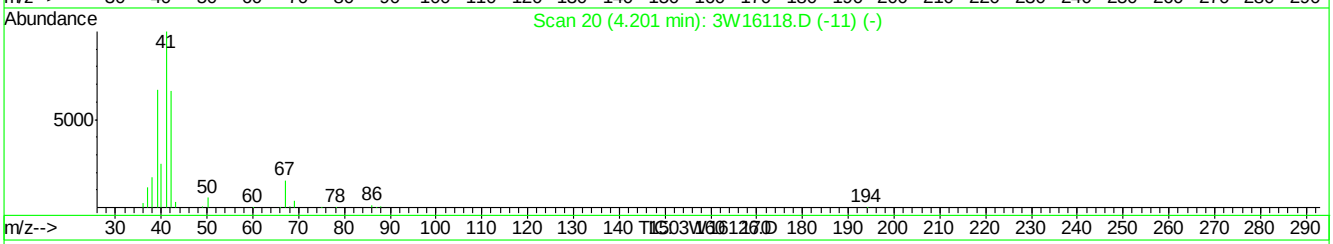
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Multiple Level Calibration







(6) PROPYLENE

4.21min 0.06PPBV

response 562

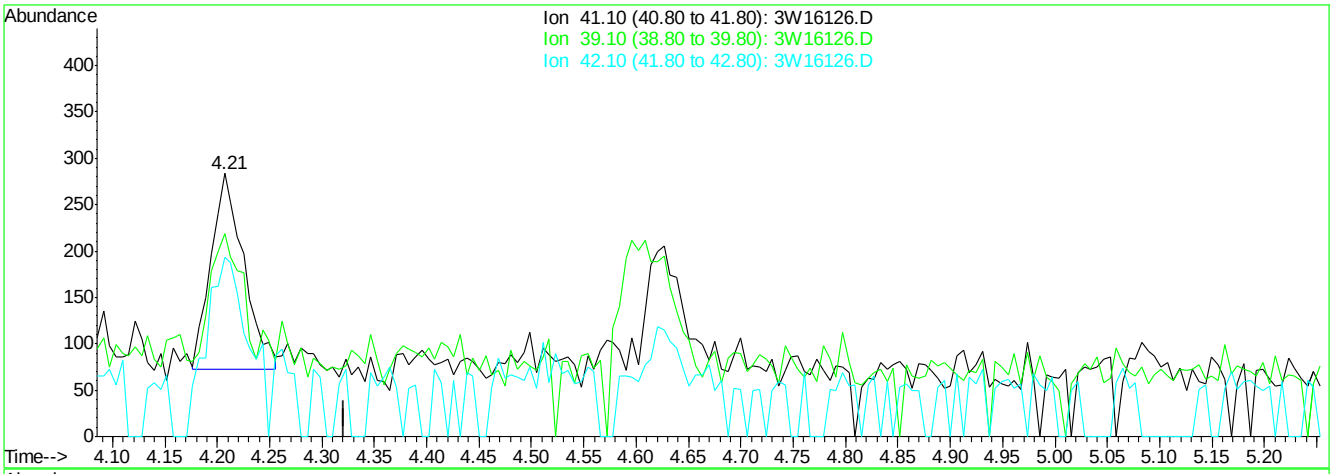
Ion	Exp%	Act%
41.10	100	100
39.10	67.50	48.40
42.10	67.60	95.73#
0.00	0.00	0.00

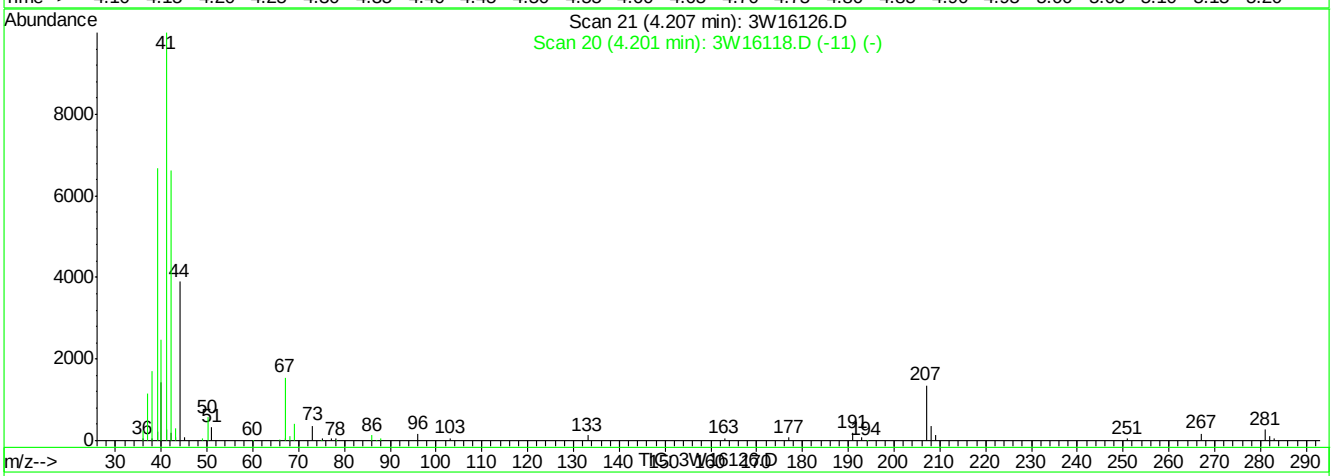
3W16126.D M3W644.M Wed Apr 07 09:04:51 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Multiple Level Calibration





(6) PROPYLENE

4.21min 0.05PPBV m

response 461

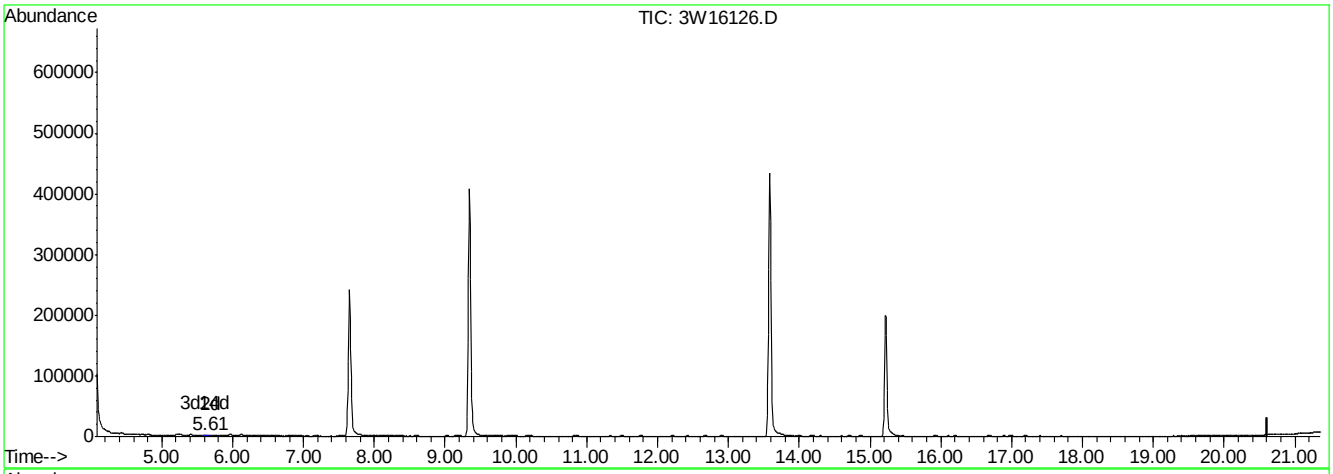
Ion	Exp%	Act%
41.10	100	100
39.10	67.50	59.00
42.10	67.60	116.70#
0.00	0.00	0.00

3W16126.D M3W644.M Wed Apr 07 09:05:00 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 0.04PPBV m

response 2288

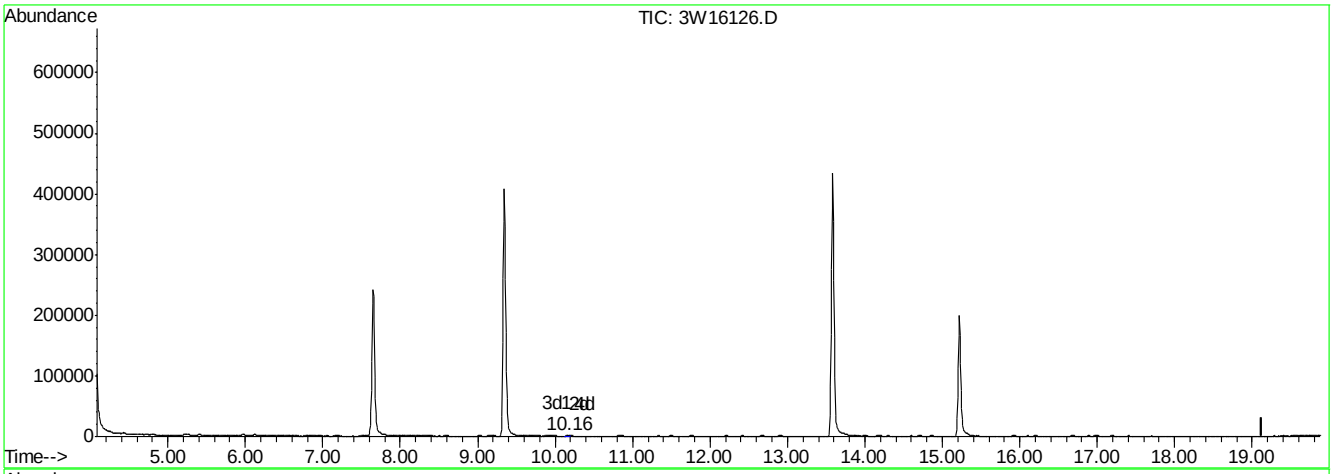
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

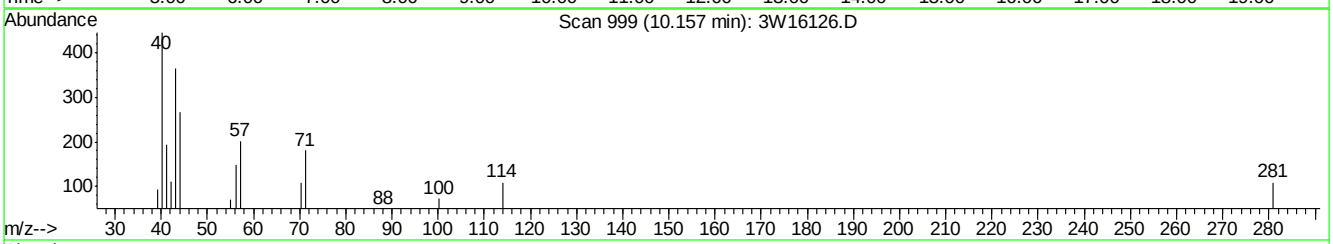
3W16126.D M3W644.M Wed Apr 07 11:37:20 2010 MS3W

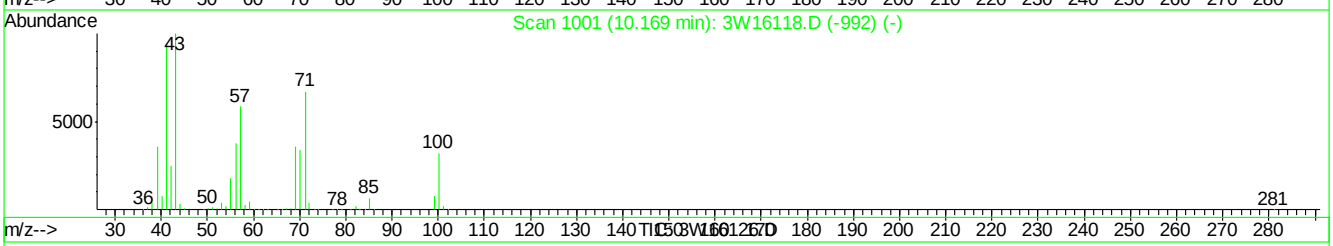
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.04PPBV m

response 4430

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16126.D M3W644.M Wed Apr 07 11:37:23 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16127.D Vial: 6
Acq On : 6 Apr 2010 11:36 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:06 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

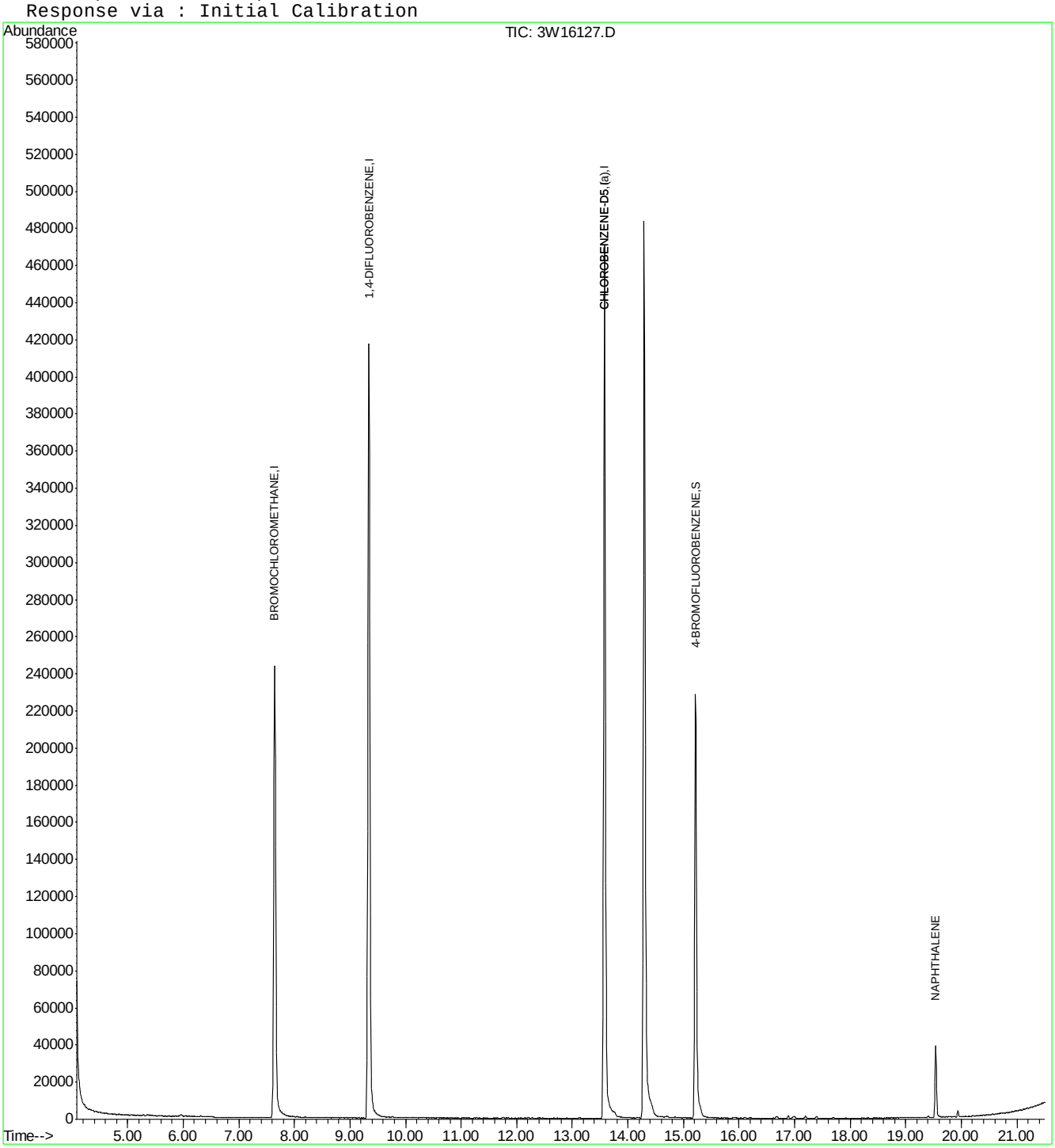
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	99181	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	470567	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	215338	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	216096	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	112675	4.74	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	37822	3.83	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16127.D M3W644.M Wed Apr 07 11:35:14 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16127.D Vial: 6
Acq On : 6 Apr 2010 11:36 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:19 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16128.D Vial: 6
Acq On : 7 Apr 2010 12:14 am Operator: YOUMINH
Sample : IC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:10 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

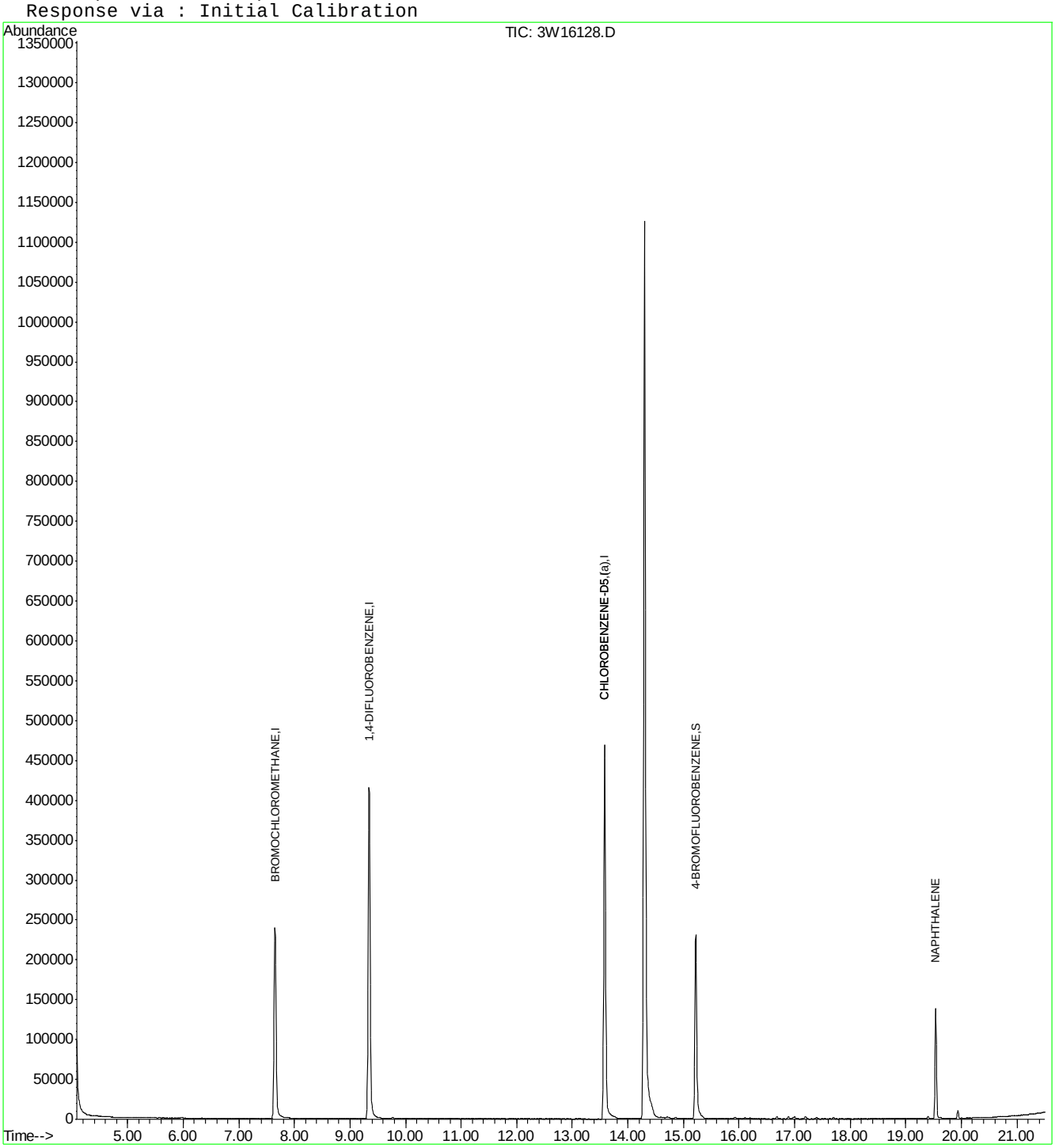
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	96561	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.35	114	463109	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	217269	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	217501	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	115409	4.81	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	127463	12.83	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16128.D M3W644.M Wed Apr 07 11:35:15 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16128.D Vial: 6
Acq On : 7 Apr 2010 12:14 am Operator: YOUMINH
Sample : IC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.67	128	94098	10.00	PPBV	0.01
45) 1,4-DIFLUOROBENZENE	9.37	114	476545	10.00	PPBV	0.01
62) CHLOROBENZENE-D5	13.60	82	259673	10.00	PPBV	0.01
95) CHLOROBENZENE-D5 (a)	13.60	82	259673	10.00	PPBV	0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.25	95	157503	5.03	PPBV	0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	340621	43.28	PPBV	99
4) CHLORODIFLUOROMETHANE	4.19	67	129280	42.12	PPBV	96
5) DICHLORODIFLUOROMETHANE	4.26	85	1236998	38.95	PPBV	98
6) PROPYLENE	4.21	41	366137	39.69	PPBV	99
7) FREON 114	4.44	85	1224713	36.63	PPBV	96
8) CHLOROMETHANE	4.38	50	446655	43.27	PPBV	98
9) VINYL CHLORIDE	4.52	62	517834	43.17	PPBV	100
10) 1,3-BUTADIENE	4.61	54	363984	41.91	PPBV	98
11) n-BUTANE	4.63	43	624768	38.32	PPBV	99
12) BROMOMETHANE	4.80	94	491598	43.05	PPBV	100
13) CHLOROETHANE	4.91	64	279308	43.96	PPBV	99
14) FREON 123	5.22	83	1021149	37.36	PPBV	98
15) FREON 123A	5.27	117	630232	39.03	PPBV	93
16) TRICHLOROFLUOROMETHANE	5.42	101	1236879	40.92	PPBV	99
17) ISOPROPYL ALCOHOL	5.53	45	806508	45.39	PPBV	99
18) ACETONE	5.32	58	219220	45.40	PPBV	98
19) PENTANE	5.62	42	414883	39.71	PPBV	99
20) TVHC as EQUIV PENTANE	5.62	TIC	1995922m	40.16	PPBV	
21) IODOMETHANE	5.83	142	1258053	41.89	PPBV	98
22) 1,1-DICHLOROETHYLENE	5.88	96	445673	40.93	PPBV	100
23) CARBON DISULFIDE	6.19	76	1344689	41.76	PPBV	99
24) ETHANOL	5.04	45	194237	46.78	PPBV	98
25) BROMOETHENE	5.14	106	479884	41.73	PPBV	100
26) METHYLENE CHLORIDE	5.98	84	405693	41.64	PPBV	100
27) 3-CHLOROPROPENE	6.04	76	221924	43.24	PPBV	98
28) FREON 113	6.14	151	781091	41.45	PPBV	96
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	493232	43.48	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.94	59	973284	39.04	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	1235471	41.52	PPBV	99
32) TETRAHYDROFURAN	8.09	72	247358	46.82	PPBV	98
33) HEXANE	7.58	57	575490	35.77	PPBV	98
34) VINYL ACETATE	6.93	86	113163	46.59	PPBV	100
35) 1,1-DICHLOROETHANE	6.83	63	776384	39.12	PPBV	99
36) METHYL ETHYL KETONE	7.13	72	248979	47.48	PPBV	93
37) cis-1,2-DICHLOROETHYLENE	7.55	96	491983	42.04	PPBV	99
38) DIISOPROPYL ETHER	7.60	45	1129039	37.90	PPBV	99
39) ETHYL ACETATE	7.68	61	142558	47.70	PPBV	95
40) CHLOROFORM	7.77	83	999650	43.27	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	826372	39.96	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.61	97	1040046	42.44	PPBV	99

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

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.17	117	1069155	41.73	PPBV		100
44)	1,2-DICHLOROETHANE	8.40	62	597175	45.10	PPBV		100
46)	BENZENE	9.04	78	1458204	42.39	PPBV		100
47)	CYCLOHEXANE	9.22	56	701329	40.24	PPBV		96
48)	2,3-DIMETHYLPENTANE	9.40	71	323940	41.34	PPBV		92
49)	TRICHLOROETHYLENE	10.00	95	559238	38.77	PPBV		96
50)	1,2-DICHLOROPROPANE	9.76	63	541070	43.09	PPBV		98
51)	BROMODICHLOROMETHANE	9.98	83	946018	39.10	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.93	57	1989405	37.81	PPBV		99
53)	1,4-DIOXANE	10.04	88	339647	46.06	PPBV		98
54)	HEPTANE	10.17	43	631107	35.58	PPBV		95
55)	TVHC as EQUIV HEPTANE	10.18	TIC	4866523m	40.13	PPBV		
56)	METHYL METHACRYLATE	10.20	69	460088	43.97	PPBV		91
57)	METHYL ISOBUTYL KETONE	10.82	43	797663	39.44	PPBV		97
58)	cis-1,3-DICHLOROPROPENE	10.84	75	779084	41.80	PPBV		99
59)	TOLUENE	11.77	92	1002107	43.15	PPBV		97
60)	trans-1,3-DICHLOROPROPENE	11.35	75	724480	47.94	PPBV		100
61)	1,1,2-TRICHLOROETHANE	11.52	83	499216	43.78	PPBV		99
63)	2-HEXANONE	12.02	43	874649	42.20	PPBV		98
64)	TETRACHLOROETHYLENE	12.92	164	671035	39.88	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.23	129	1055785	40.95	PPBV		99
66)	1,2-DIBROMOETHANE	12.44	107	865602	43.96	PPBV		100
67)	OCTANE	12.68	43	877686	33.83	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	13.62	131	693499	40.01	PPBV		100
69)	CHLOROBENZENE	13.65	112	1144622	39.40	PPBV		98
70)	ETHYLBENZENE	14.01	91	2009129	39.67	PPBV		97
71)	m,p-XYLENE	14.21	106	1430547	77.08	PPBV		93
72)	o-XYLENE	14.72	106	737914	40.76	PPBV		95
73)	STYRENE	14.62	104	1162124	44.89	PPBV		100
74)	NONANE	14.88	43	701442	30.04	PPBV		94
75)	BROMOFORM	14.34	173	983605	45.44	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.76	83	981035	41.26	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.87	75	701087	37.35	PPBV		97
79)	ISOPROPYLBENZENE	15.36	105	2085943	39.01	PPBV		98
80)	2-CHLOROTOLUENE	15.93	126	482582	40.89	PPBV		100
81)	n-PROPYLBENZENE	15.95	120	531110	40.22	PPBV		99
82)	4-ETHYLTOLUENE	16.13	105	1900681	40.95	PPBV		97
83)	1,3,5-TRIMETHYLBENZENE	16.23	105	1572194	40.62	PPBV		98
84)	tert-BUTYLBENZENE	16.70	134	341278	38.94	PPBV	#	89
85)	1,2,4-TRIMETHYLBENZENE	16.72	105	1321037	37.32	PPBV	#	26
86)	m-DICHLOROBENZENE	16.92	146	896612	44.01	PPBV		99
87)	BENZYL CHLORIDE	16.92	91	1049839	45.45	PPBV		98
88)	p-DICHLOROBENZENE	16.99	146	849066	44.48	PPBV		99
89)	sec-BUTYLBENZENE	17.02	134	422731	40.60	PPBV	#	82
90)	p-ISOPROPYLTOLUENE	17.21	134	426341	40.72	PPBV	#	88
91)	o-DICHLOROBENZENE	17.41	146	832570	46.05	PPBV		99
92)	n-BUTYLBENZENE	17.71	134	378732	46.43	PPBV	#	86
93)	HEXACHLOROBUTADIENE	19.94	225	176219	28.17	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	138741	38.84	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

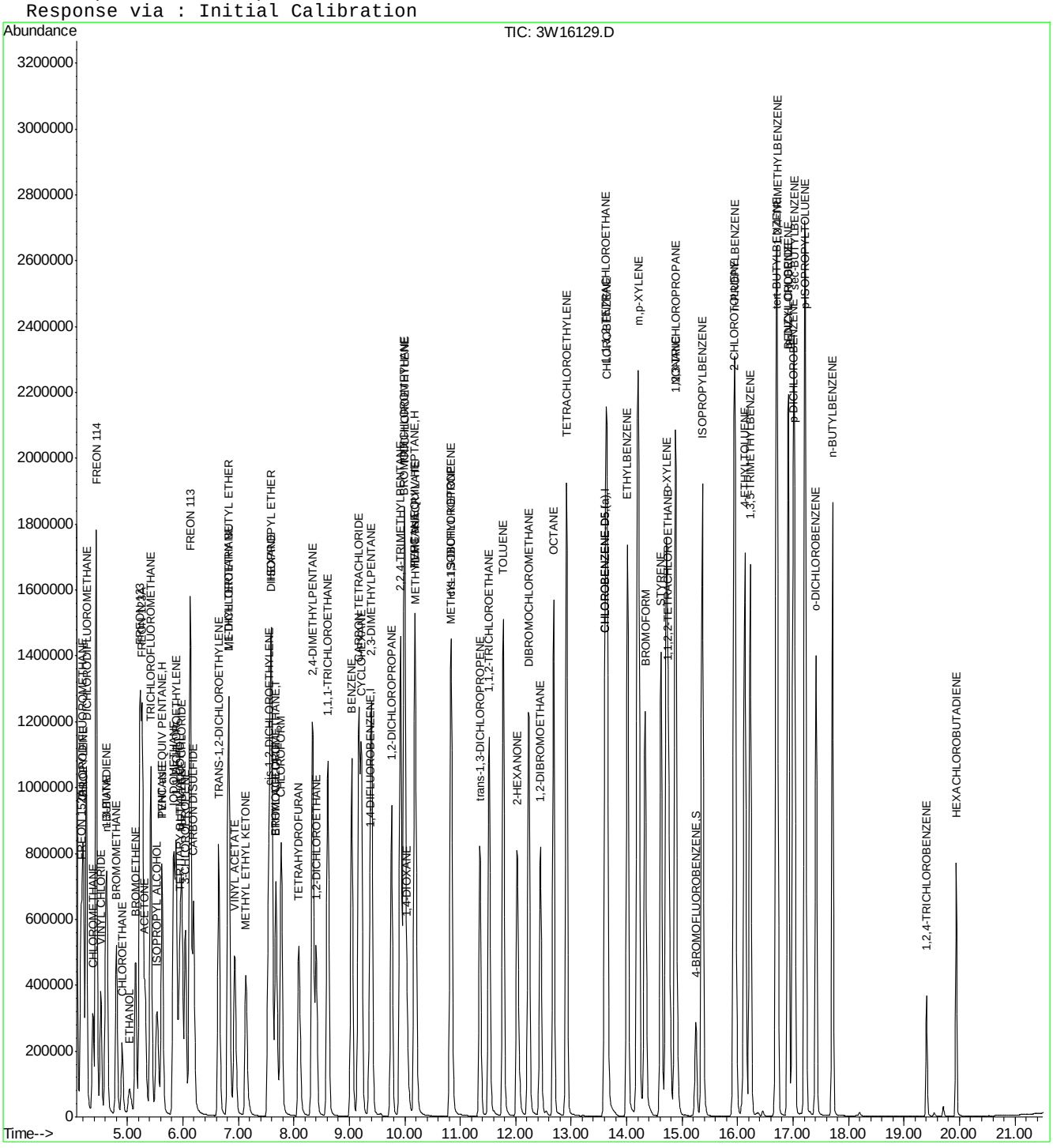
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

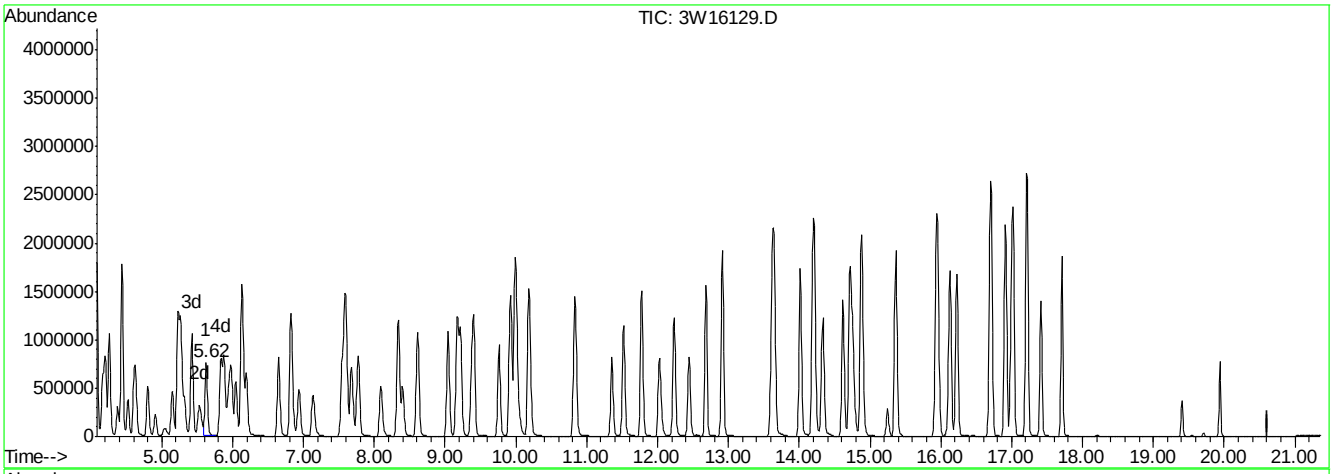


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Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.62min 40.16PPBV m

response 1995922

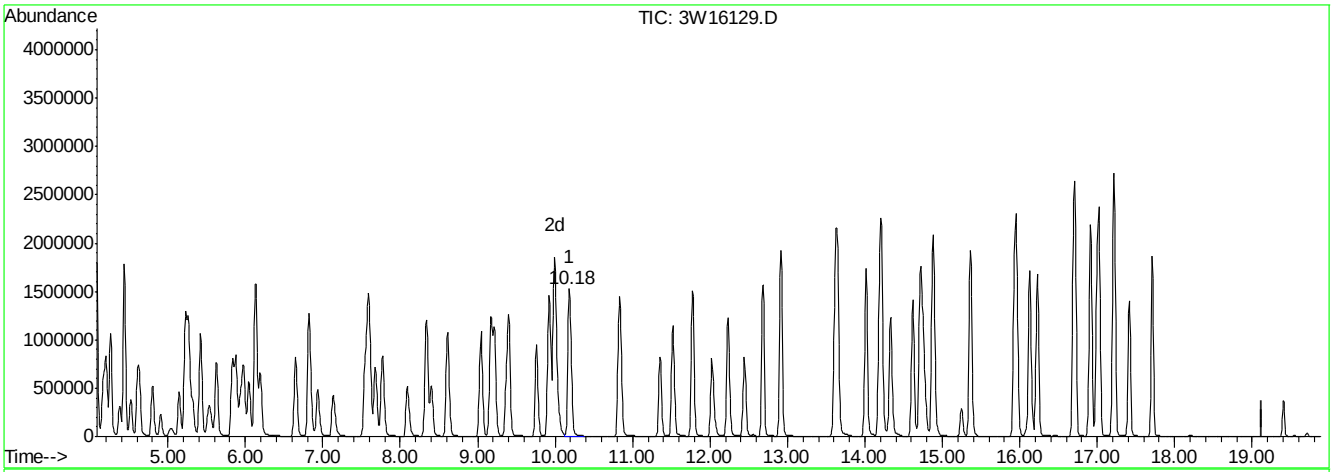
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.05#
0.00	0.00	0.05#
0.00	0.00	0.00

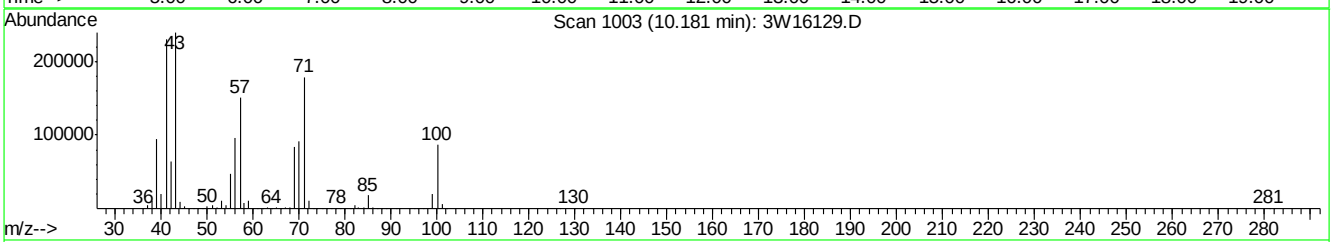
3W16129.D M3W644.M Wed Apr 07 11:37:33 2010 MS3W

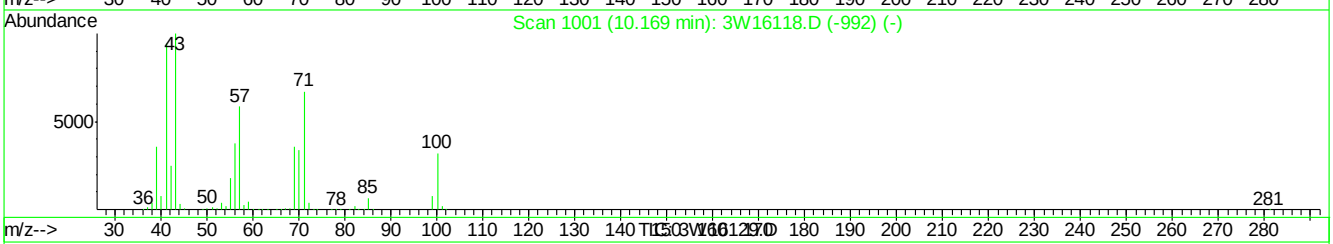
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(55) TVHC as EQUIV HEPTANE (H)

10.18min 40.13PPBV m

response 4866523

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

3W16129.D M3W644.M Wed Apr 07 11:37:36 2010 MS3W

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16130.D Vial: 7
Acq On : 7 Apr 2010 1:33 am Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:15 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

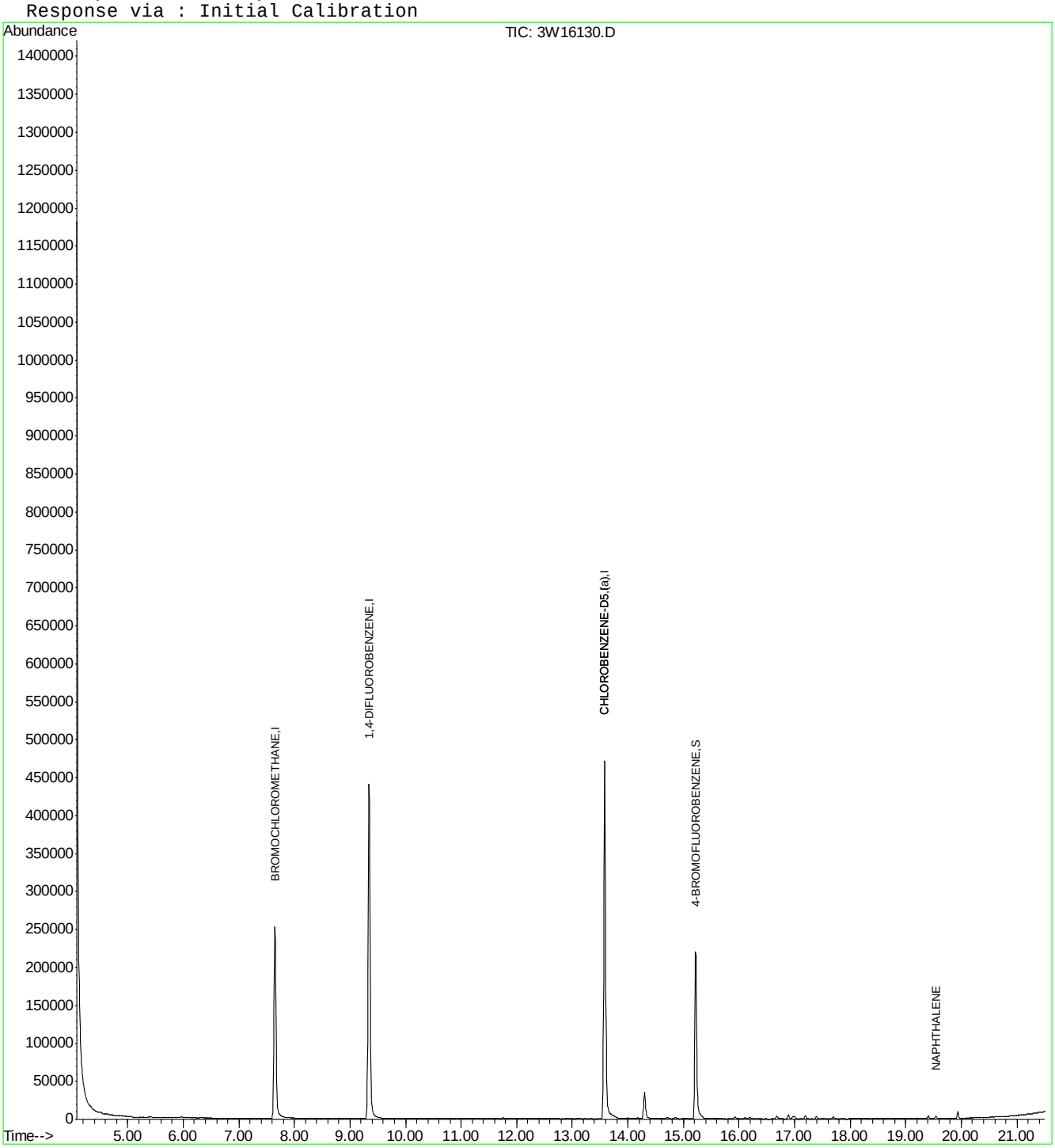
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	103327	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	494172	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	224153	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	224402	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	112254	4.54	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	4261	0.42	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16130.D M3W644.M Wed Apr 07 11:35:17 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16130.D Vial: 7
Acq On : 7 Apr 2010 1:33 am Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 04/08/10 08:39

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:22 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

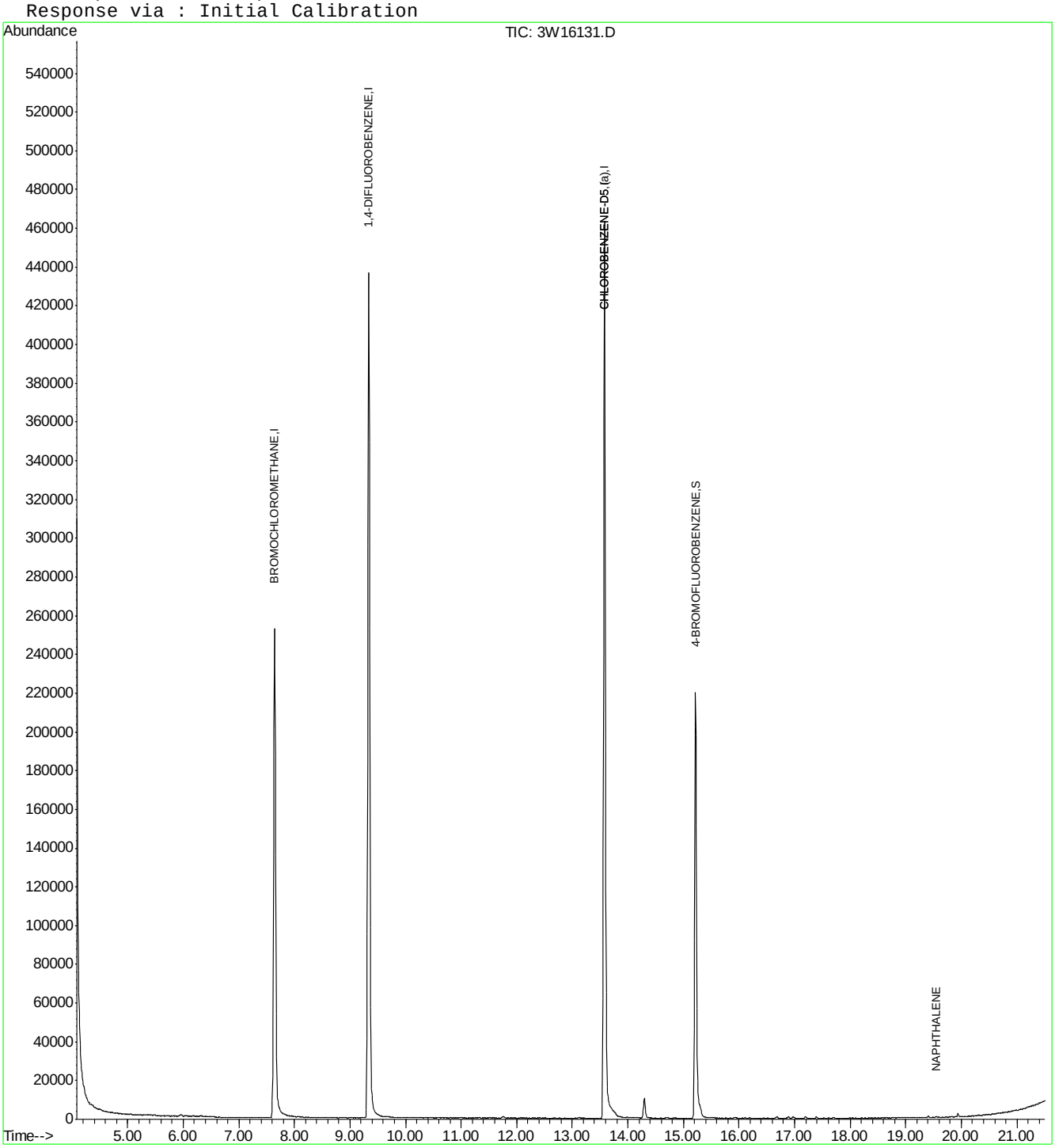
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	101980	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	488576	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	216282	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	217717	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	108605	4.55	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	1098m	0.11	PPBV	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16131.D M3W644.M Wed Apr 07 12:04:08 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 12:03 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

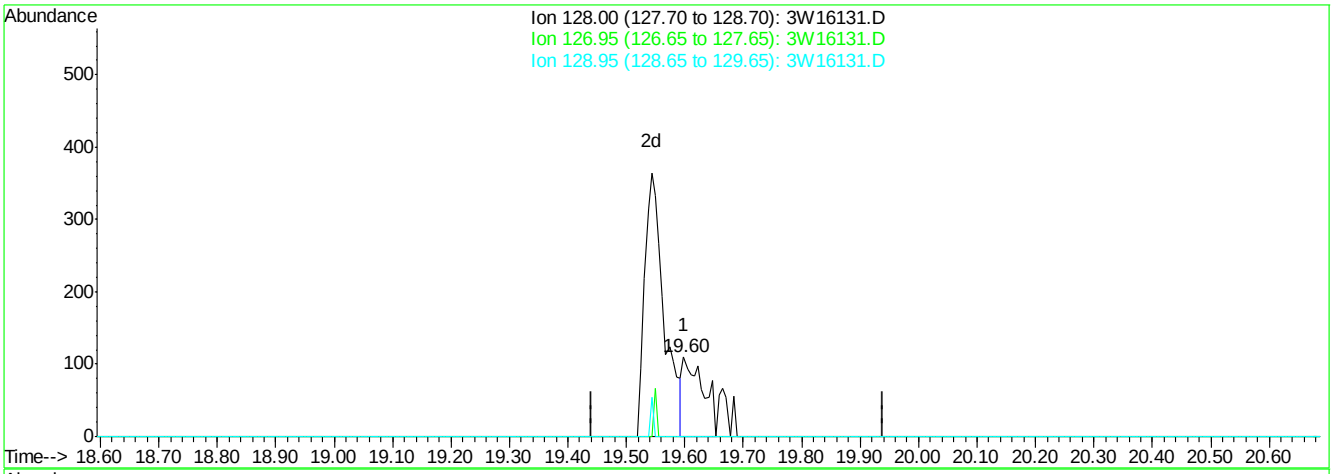


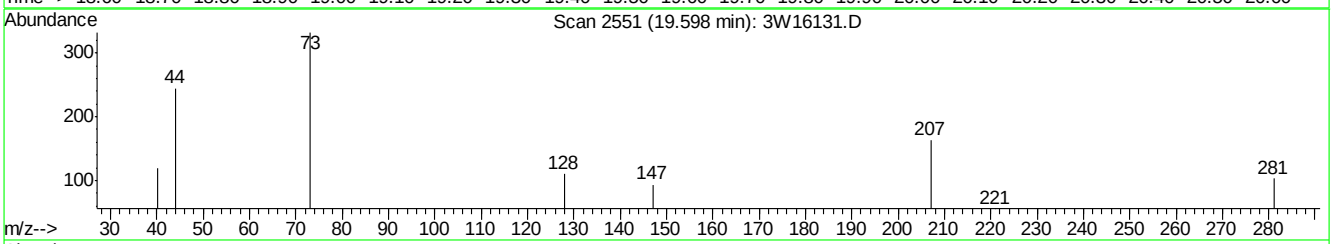
ACCUTEST Laboratories JA45062

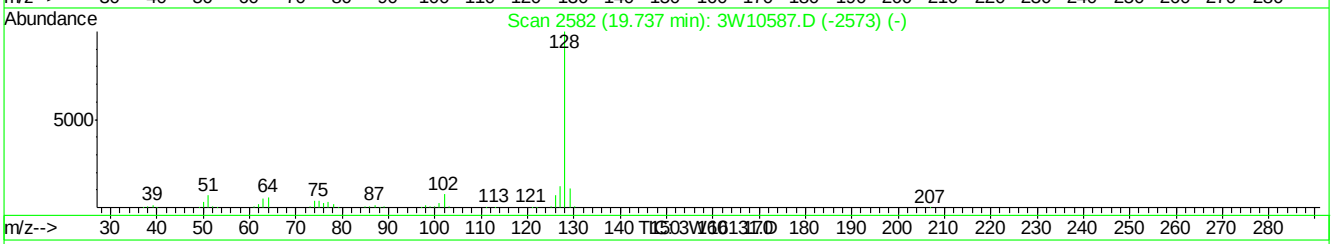
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(96) NAPHTHALENE

19.60min 0.03PPBV

response 263

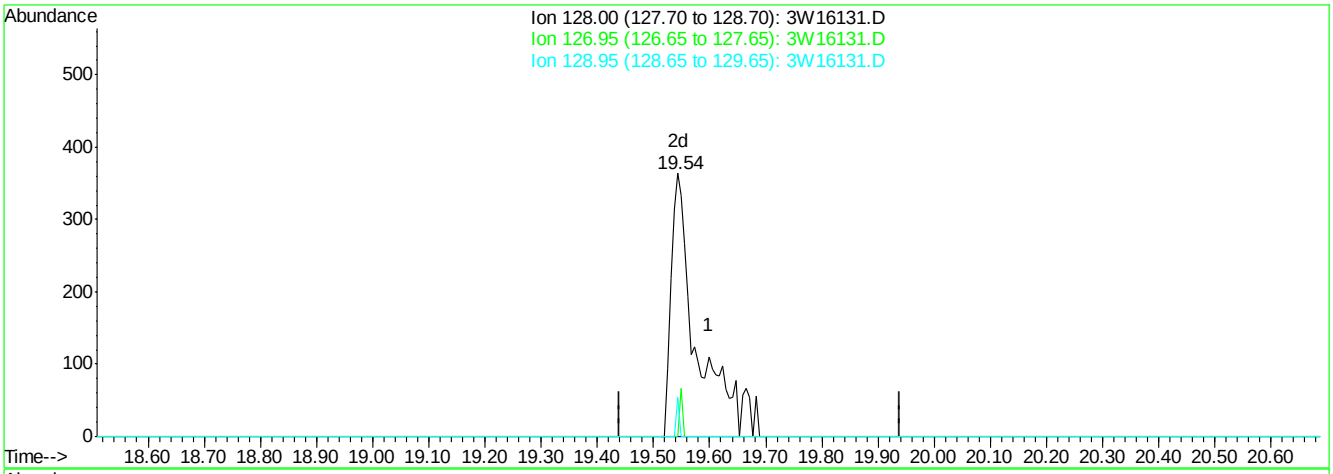
Ion	Exp%	Act%
128.00	100	100
126.95	11.40	0.00
128.95	8.90	0.00
0.00	0.00	0.00

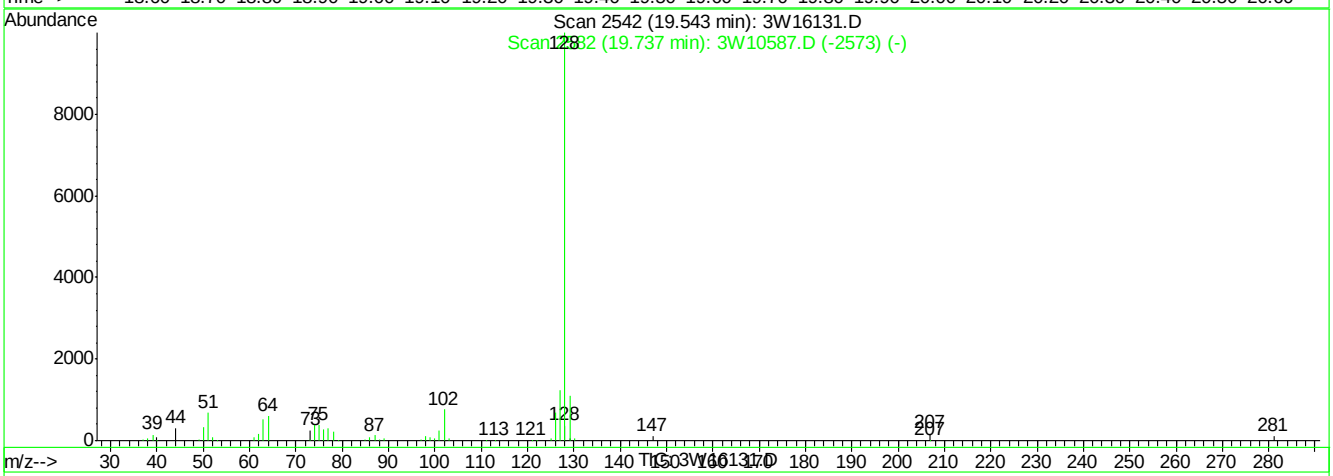
3W16131.D M3W644.M Wed Apr 07 12:03:52 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(96) NAPHTHALENE

19.54min 0.11PPBV m

response 1098

Ion	Exp%	Act%
128.00	100	100
126.95	11.40	0.00
128.95	8.90	0.00
0.00	0.00	0.00

3W16131.D M3W644.M Wed Apr 07 12:04:01 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16132.D Vial: 6
Acq On : 7 Apr 2010 3:28 am Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:26 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

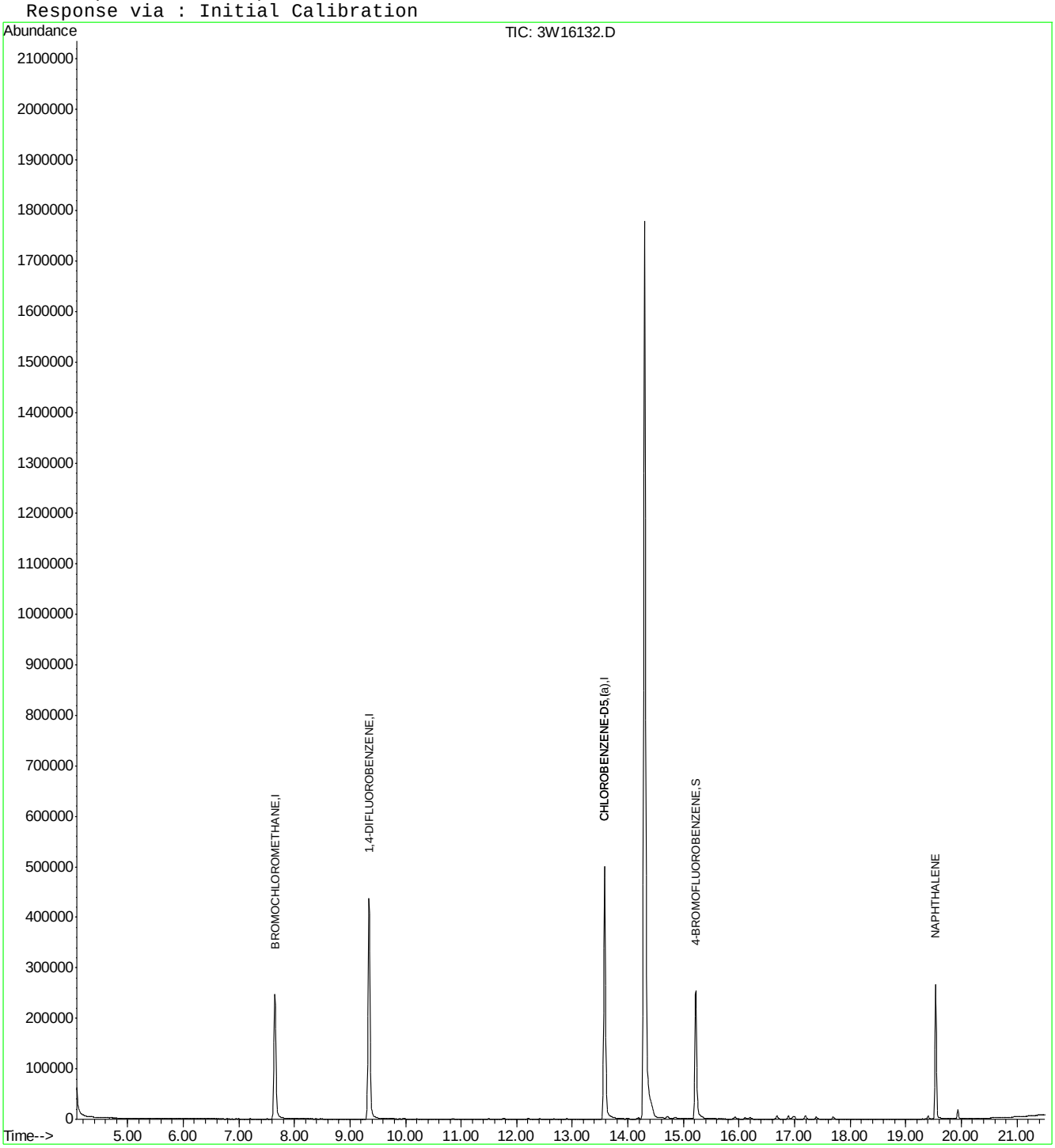
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	101924	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	488160	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	232898	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	233364	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	128399	4.99	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	244107	22.90	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16132.D M3W644.M Wed Apr 07 11:35:18 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16132.D Vial: 6
Acq On : 7 Apr 2010 3:28 am Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16133.D Vial: 6
Acq On : 7 Apr 2010 4:08 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:31 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	98981	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	477631	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	231113	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	231337	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	130878	5.13	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.60%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	601615	56.92	PPBV	96

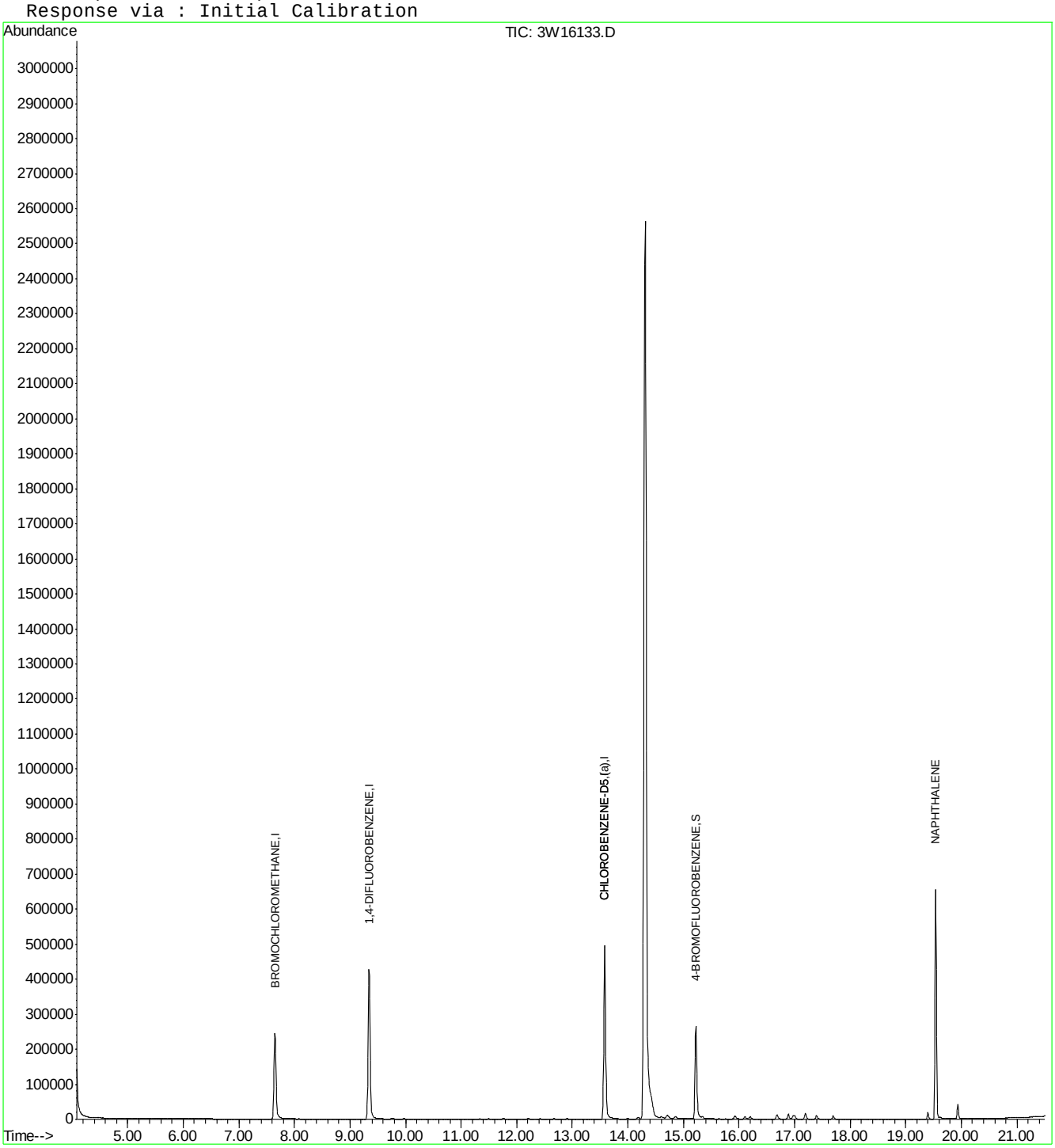
(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16133.D M3W644.M Wed Apr 07 11:35:19 2010 MS3W

ACCUTEST. JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16133.D Vial: 6
Acq On : 7 Apr 2010 4:08 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	108203	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	544216	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	270738	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	271152	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	161342	5.40	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 108.00%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	95851	9.95	PPBV	99
4) CHLORODIFLUOROMETHANE	4.19	67	36701	9.79	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.26	85	370681	9.66	PPBV	100
6) PROPYLENE	4.21	41	108499	10.20	PPBV	100
7) FREON 114	4.43	85	387687	9.64	PPBV	99
8) CHLOROMETHANE	4.37	50	121880	9.70	PPBV	99
9) VINYL CHLORIDE	4.51	62	142855	9.79	PPBV	100
10) 1,3-BUTADIENE	4.60	54	104203	10.73	PPBV	99
11) n-BUTANE	4.62	43	189860	9.72	PPBV	100
12) BROMOMETHANE	4.79	94	139051	10.17	PPBV	100
13) CHLOROETHANE	4.89	64	75826	10.36	PPBV	99
14) FREON 123	5.21	83	318995	9.90	PPBV	100
15) FREON 123A	5.25	117	190172	9.88	PPBV	98
16) TRICHLOROFLUOROMETHANE	5.41	101	357473	9.86	PPBV	99
17) ISOPROPYL ALCOHOL	5.48	45	206030	9.99	PPBV	99
18) ACETONE	5.31	58	56629	9.28	PPBV	97
19) PENTANE	5.61	42	123631	9.61	PPBV	100
20) TVHC as EQUIV PENTANE	5.61	TIC	577454m	9.89	PPBV	
21) IODOMETHANE	5.82	142	364172	10.37	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.86	96	131881	10.02	PPBV	97
23) CARBON DISULFIDE	6.18	76	393282	10.00	PPBV	99
24) ETHANOL	5.01	45	48066	8.82	PPBV	97
25) BROMOETHENE	5.13	106	140544	10.47	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	117241	9.73	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	61588	10.53	PPBV	97
28) FREON 113	6.12	151	224959	9.88	PPBV	100
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	136382	10.23	PPBV	98
30) TERTIARY BUTYL ALCOHOL	5.89	59	281666	11.23	PPBV	100
31) METHYL TERTIARY BUTYL ETHE	6.80	73	340600	10.37	PPBV	100
32) TETRAHYDROFURAN	8.08	72	60672	11.13	PPBV	99
33) HEXANE	7.57	57	187053	10.26	PPBV	99
34) VINYL ACETATE	6.91	86	28617	11.63	PPBV	97
35) 1,1-DICHLOROETHANE	6.81	63	231093	9.72	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	60787	11.26	PPBV	99
37) cis-1,2-DICHLOROETHYLENE	7.53	96	138223	10.65	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	339712	10.46	PPBV	100
39) ETHYL ACETATE	7.66	61	34312	10.54	PPBV	98
40) CHLOROFORM	7.75	83	270210	10.03	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.32	57	236977	10.05	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.59	97	283095	10.02	PPBV	100

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

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	295604	9.87	PPBV	100
44)	1,2-DICHLOROETHANE	8.38	62	153679	10.11	PPBV	100
46)	BENZENE	9.02	78	399990	9.76	PPBV	99
47)	CYCLOHEXANE	9.20	56	201308	9.71	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.38	71	90908	9.12	PPBV	99
49)	TRICHLOROETHYLENE	9.98	95	169523	9.79	PPBV	100
50)	1,2-DICHLOROPROPANE	9.74	63	144967	9.25	PPBV	100
51)	BROMODICHLOROMETHANE	9.96	83	279741	10.23	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	601601	9.70	PPBV	100
53)	1,4-DIOXANE	10.02	88	84948	10.00	PPBV	97
54)	HEPTANE	10.16	43	202965	9.72	PPBV	99
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1400389m	10.39	PPBV	
56)	METHYL METHACRYLATE	10.17	69	119307	11.59	PPBV	99
57)	METHYL ISOBUTYL KETONE	10.80	43	227305	11.78	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.82	75	218349	11.01	PPBV	99
59)	TOLUENE	11.76	92	270347	9.97	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	176594	11.20	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.49	83	132244	10.51	PPBV	100
63)	2-HEXANONE	12.00	43	212753	10.82	PPBV	99
64)	TETRACHLOROETHYLENE	12.90	164	183225	9.83	PPBV	100
65)	DIBROMOCHLOROMETHANE	12.21	129	281231	10.86	PPBV	100
66)	1,2-DIBROMOETHANE	12.42	107	216772	10.85	PPBV	100
67)	OCTANE	12.67	43	276629	10.41	PPBV	99
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	189112	10.15	PPBV	99
69)	CHLOROBENZENE	13.63	112	318936	10.01	PPBV	100
70)	ETHYLBENZENE	14.00	91	549495	10.66	PPBV	100
71)	m,p-XYLENE	14.18	106	401844	21.69	PPBV	100
72)	o-XYLENE	14.69	106	196491	10.88	PPBV	100
73)	STYRENE	14.60	104	283048	11.90	PPBV	100
74)	NONANE	14.87	43	249661	10.98	PPBV	99
75)	BROMOFORM	14.31	173	241011	11.70	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	260638	11.04	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	206254	10.89	PPBV	100
79)	ISOPROPYLBENZENE	15.34	105	577038	10.63	PPBV	100
80)	2-CHLOROTOLUENE	15.91	126	131064	11.48	PPBV	99
81)	n-PROPYLBENZENE	15.94	120	143706	11.42	PPBV	99
82)	4-ETHYLTOLUENE	16.11	105	499340	12.01	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	421838	11.74	PPBV	100
84)	tert-BUTYLBENZENE	16.68	134	94271	11.08	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	380573	12.09	PPBV	100
86)	m-DICHLOROBENZENE	16.89	146	224866	11.62	PPBV	100
87)	BENZYL CHLORIDE	16.88	91	260492	12.41	PPBV	100
88)	p-DICHLOROBENZENE	16.97	146	213562	11.62	PPBV	100
89)	sec-BUTYLBENZENE	17.00	134	111290	11.28	PPBV	99
90)	p-ISOPROPYLTOLUENE	17.19	134	112345	11.26	PPBV	99
91)	o-DICHLOROBENZENE	17.40	146	202278	11.55	PPBV	100
92)	n-BUTYLBENZENE	17.69	134	87118	11.41	PPBV	98
93)	HEXACHLOROBUTADIENE	19.94	225	71167	11.71	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	43717	13.79	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

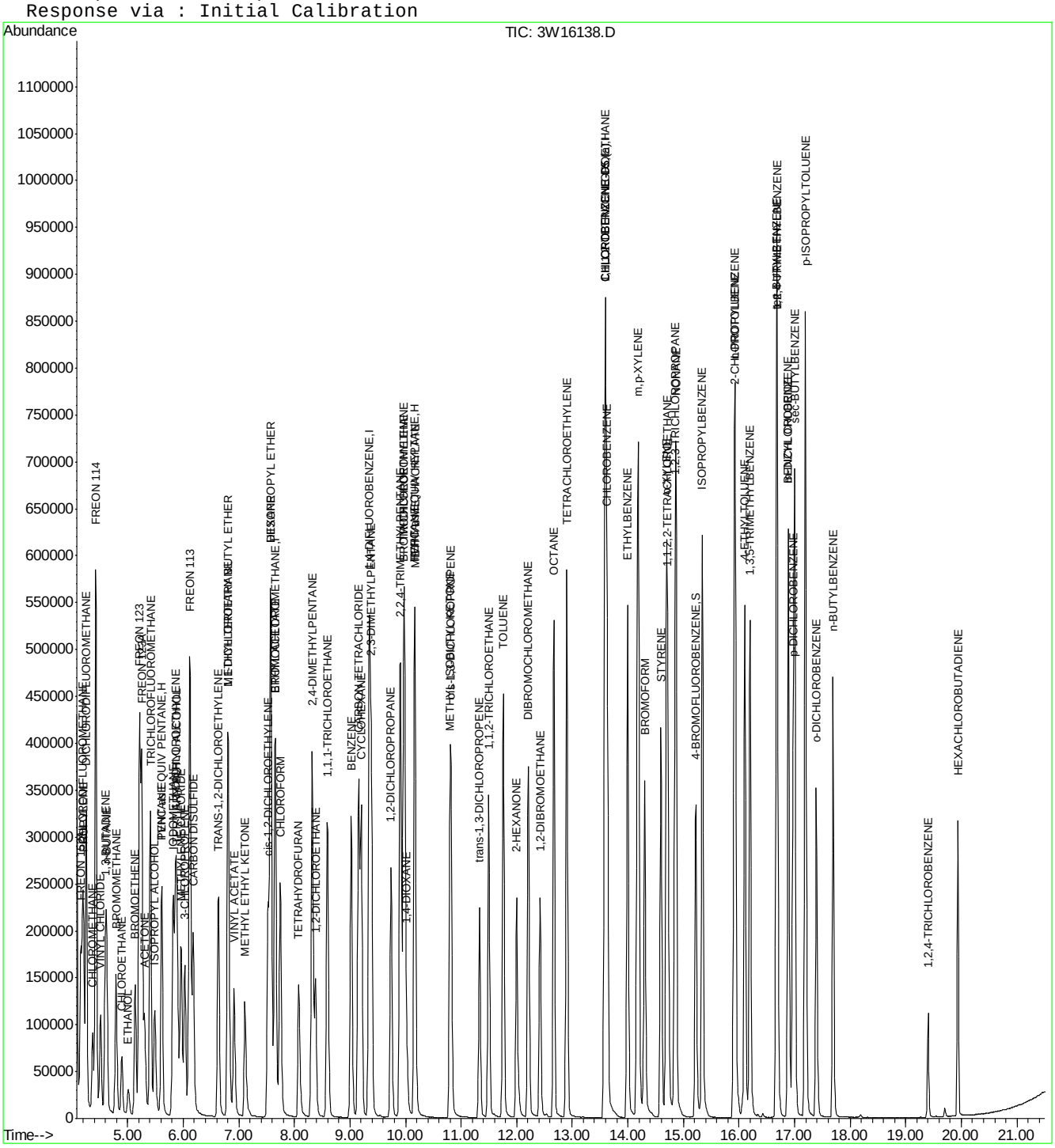
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: M3W644.RES

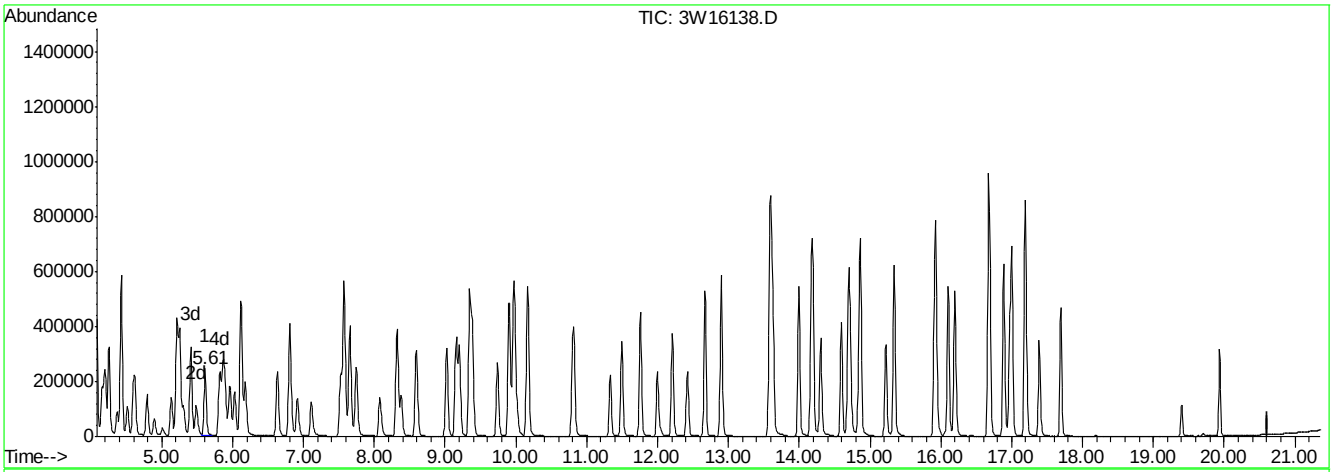
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

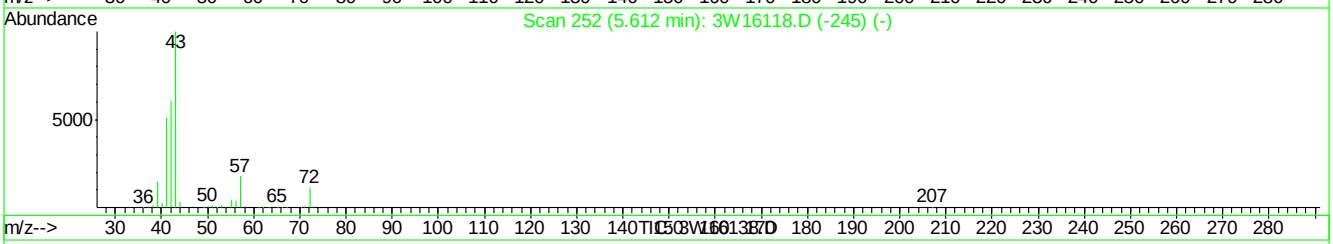


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 9.89PPBV m

response 577454

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

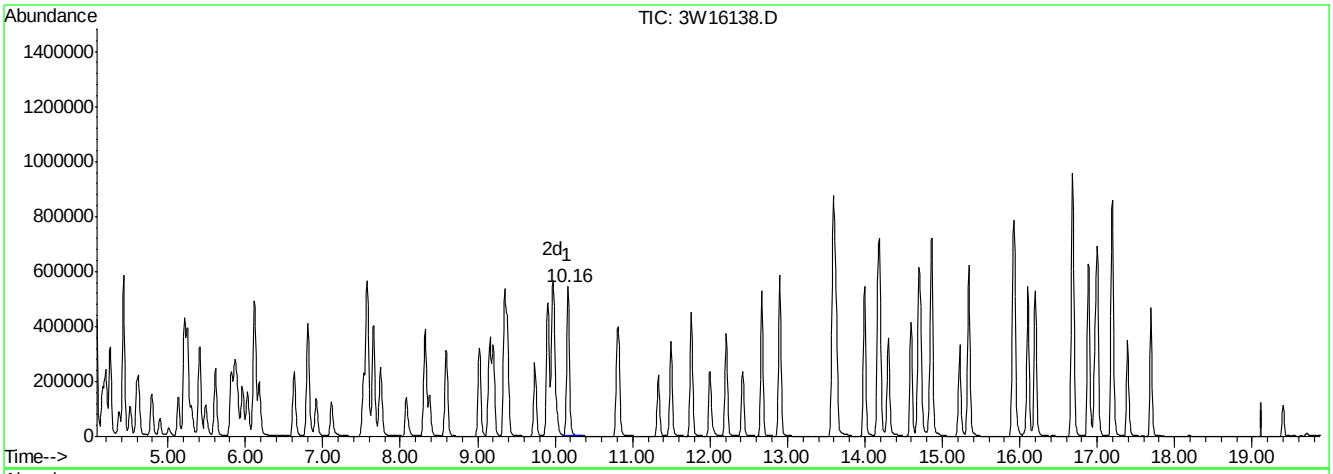
3W16138.D M3W644.M Wed Apr 07 11:38:37 2010 MS3W

ACCUTEST. Laboratories
JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.39PPBV m

response 1400389

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16138.D M3W644.M Wed Apr 07 11:38:40 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 11:50:02 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.67	128	90292	10.00	PPBV		0.01
45) 1,4-DIFLUOROBENZENE	9.36	114	448790	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	13.59	82	237714	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	237554	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	128772	4.91	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.20%				
Target Compounds							Qvalue
3) FREON 152A	4.18	65	75728	9.42	PPBV		62
4) CHLORODIFLUOROMETHANE	4.21	67	29778	9.52	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.27	85	320416	10.01	PPBV		100
6) PROPYLENE	4.22	41	102462	11.55	PPBV		99
7) FREON 114	4.45	85	341874	10.18	PPBV		99
8) CHLOROMETHANE	4.39	50	115125	10.98	PPBV		98
9) VINYL CHLORIDE	4.54	62	127788	10.50	PPBV		100
10) 1,3-BUTADIENE	4.62	54	93120	11.49	PPBV		98
11) n-BUTANE	4.64	43	183139	11.24	PPBV	#	97
12) BROMOMETHANE	4.81	94	117122	10.27	PPBV		100
13) CHLOROETHANE	4.92	64	63794	10.44	PPBV		99
14) FREON 123	5.23	83	273343	10.16	PPBV		99
15) FREON 123A	5.28	117	160279	9.97	PPBV		99
16) TRICHLOROFLUOROMETHANE	5.43	101	310305	10.25	PPBV		100
17) ISOPROPYL ALCOHOL	5.54	45	174715	10.16	PPBV		100
18) ACETONE	5.34	58	47752	9.38	PPBV		99
19) PENTANE	5.64	42	111362	10.37	PPBV		98
20) TVHC as EQUIV PENTANE	5.64	TIC	519519m	10.66	PPBV		
21) IODOMETHANE	5.84	142	295113	10.07	PPBV		99
22) 1,1-DICHLOROETHYLENE	5.89	96	107585	9.80	PPBV		97
23) CARBON DISULFIDE	6.20	76	329627	10.04	PPBV		99
24) ETHANOL	5.06	45	40652	8.94	PPBV		96
25) BROMOETHENE	5.16	106	115902	10.35	PPBV		100
26) METHYLENE CHLORIDE	5.98	84	97164	9.67	PPBV		97
27) 3-CHLOROPROPENE	6.05	76	50431	10.34	PPBV		93
28) FREON 113	6.14	151	183686	9.66	PPBV		98
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	107090	9.63	PPBV		96
30) TERTIARY BUTYL ALCOHOL	5.94	59	218237	10.43	PPBV		97
31) METHYL TERTIARY BUTYL ETHE	6.83	73	266585	9.73	PPBV		96
32) TETRAHYDROFURAN	8.11	72	46401	10.20	PPBV	#	88
33) HEXANE	7.58	57	163404	10.74	PPBV		98
34) VINYL ACETATE	6.94	86	20511	9.99	PPBV	#	62
35) 1,1-DICHLOROETHANE	6.83	63	199491	10.06	PPBV		99
36) METHYL ETHYL KETONE	7.14	72	46861	10.41	PPBV	#	85
37) cis-1,2-DICHLOROETHYLENE	7.55	96	108030	9.98	PPBV		95
38) DIISOPROPYL ETHER	7.60	45	299990	11.07	PPBV		95
39) ETHYL ACETATE	7.68	61	27475	10.11	PPBV	#	85
40) CHLOROFORM	7.77	83	224275	9.98	PPBV		99
41) 2,4-DIMETHYLPENTANE	8.34	57	203284	10.33	PPBV		98
42) 1,1,1-TRICHLOROETHANE	8.61	97	235716	9.99	PPBV		99

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

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 11:50:02 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.17	117	244016	9.76	PPBV		100
44)	1,2-DICHLOROETHANE	8.40	62	130375	10.28	PPBV		99
46)	BENZENE	9.04	78	317148	9.38	PPBV		99
47)	CYCLOHEXANE	9.21	56	173297	10.14	PPBV		94
48)	2,3-DIMETHYLPENTANE	9.40	71	74771	9.09	PPBV		93
49)	TRICHLOROETHYLENE	9.99	95	135654	9.50	PPBV		96
50)	1,2-DICHLOROPROPANE	9.75	63	118912	9.20	PPBV		99
51)	BROMODICHLOROMETHANE	9.97	83	233566	10.36	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.92	57	517741	10.12	PPBV		100
53)	1,4-DIOXANE	10.05	88	64363	9.18	PPBV		96
54)	HEPTANE	10.17	43	190711	11.07	PPBV		92
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1214207m	10.93	PPBV		
56)	METHYL METHACRYLATE	10.19	69	92545	10.90	PPBV	#	83
57)	METHYL ISOBUTYL KETONE	10.82	43	203514	12.79	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	10.83	75	174822	10.69	PPBV		95
59)	TOLUENE	11.77	92	204721	9.16	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.34	75	136690	10.51	PPBV		96
61)	1,1,2-TRICHLOROETHANE	11.51	83	106200	10.24	PPBV		97
63)	2-HEXANONE	12.02	43	195118	11.31	PPBV		92
64)	TETRACHLOROETHYLENE	12.91	164	134747	8.23	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.22	129	219397	9.65	PPBV		99
66)	1,2-DIBROMOETHANE	12.43	107	164454	9.38	PPBV		99
67)	OCTANE	12.67	43	259477	11.12	PPBV		91
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	149370	9.13	PPBV		97
69)	CHLOROBENZENE	13.64	112	240738	8.61	PPBV		96
70)	ETHYLBENZENE	14.00	91	412612	9.12	PPBV		98
71)	m,p-XYLENE	14.18	106	294944	18.13	PPBV		95
72)	o-XYLENE	14.70	106	145693	9.19	PPBV		95
73)	STYRENE	14.60	104	197363	9.45	PPBV		98
74)	NONANE	14.87	43	238970	11.97	PPBV		94
75)	BROMOFORM	14.31	173	172630	9.55	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.73	83	196261	9.47	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.85	75	159650	9.60	PPBV		97
79)	ISOPROPYLBENZENE	15.35	105	427757	8.97	PPBV		99
80)	2-CHLOROTOLUENE	15.92	126	94160	9.39	PPBV		99
81)	n-PROPYLBENZENE	15.94	120	102907	9.31	PPBV		100
82)	4-ETHYLTOLUENE	16.11	105	356165	9.75	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	304834	9.66	PPBV		97
84)	tert-BUTYLBENZENE	16.68	134	67567	9.04	PPBV		97
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	279689	10.12	PPBV		99
86)	m-DICHLOROBENZENE	16.88	146	149301	8.79	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	167659	9.10	PPBV		98
88)	p-DICHLOROBENZENE	16.97	146	138681	8.59	PPBV		99
89)	sec-BUTYLBENZENE	17.00	134	78728	9.09	PPBV	#	91
90)	p-ISOPROPYLTOLUENE	17.19	134	79329	9.06	PPBV		97
91)	o-DICHLOROBENZENE	17.39	146	132263	8.60	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	59208	8.83	PPBV	#	87
93)	HEXACHLOROBUTADIENE	19.94	225	41410	7.76	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	21601	7.76	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 16 11:50:02 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

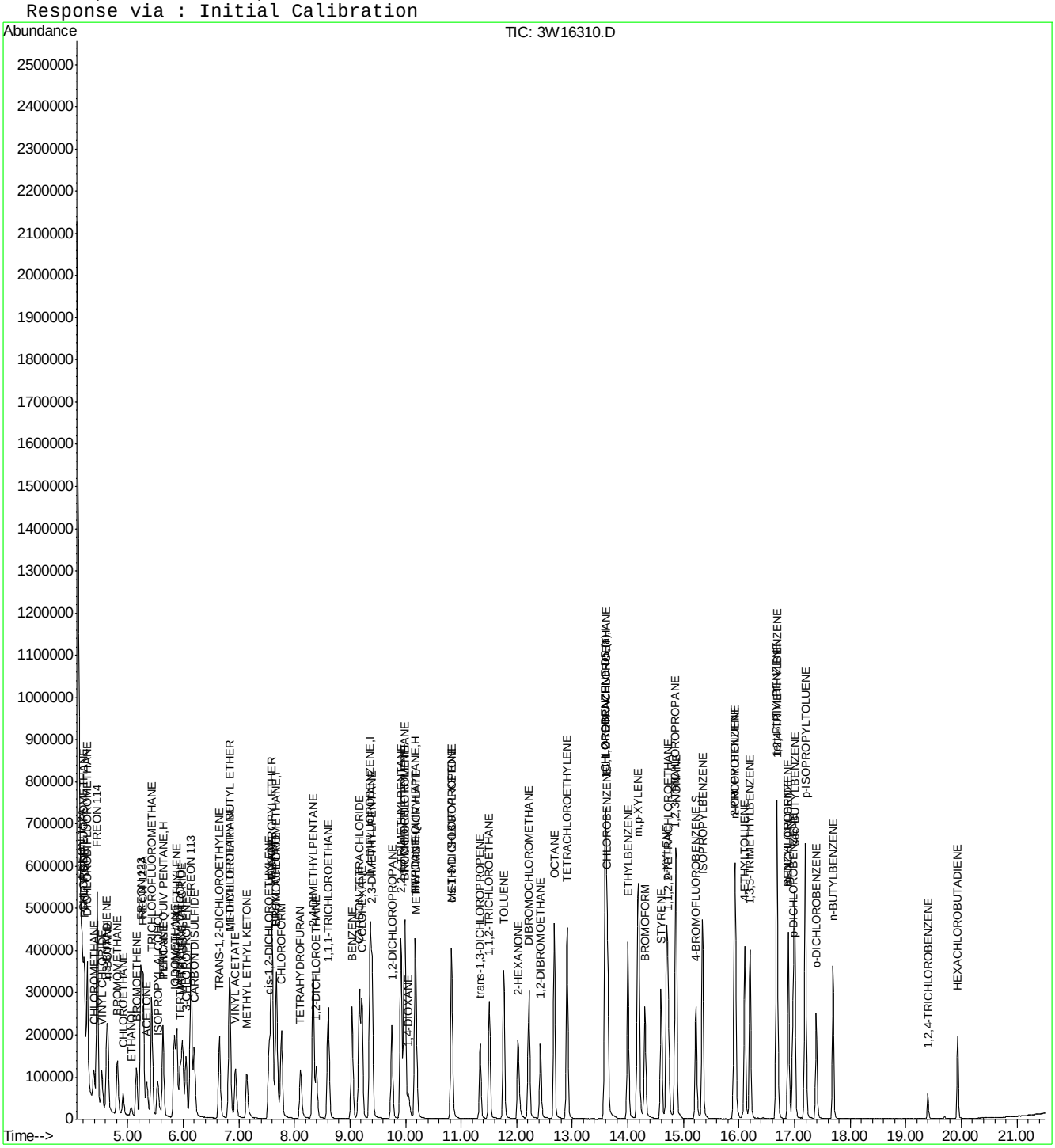
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 14:49 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

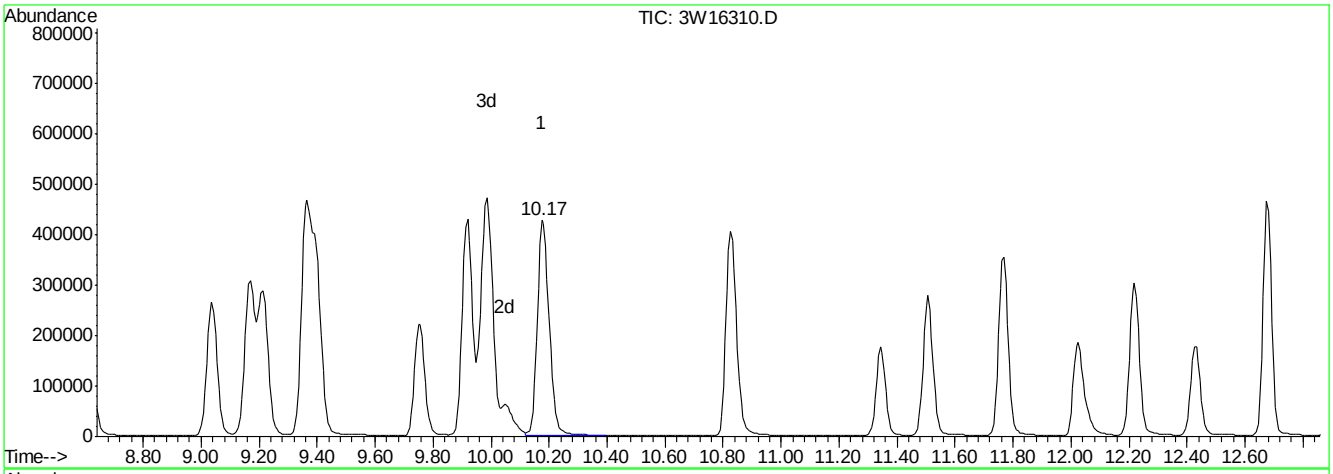


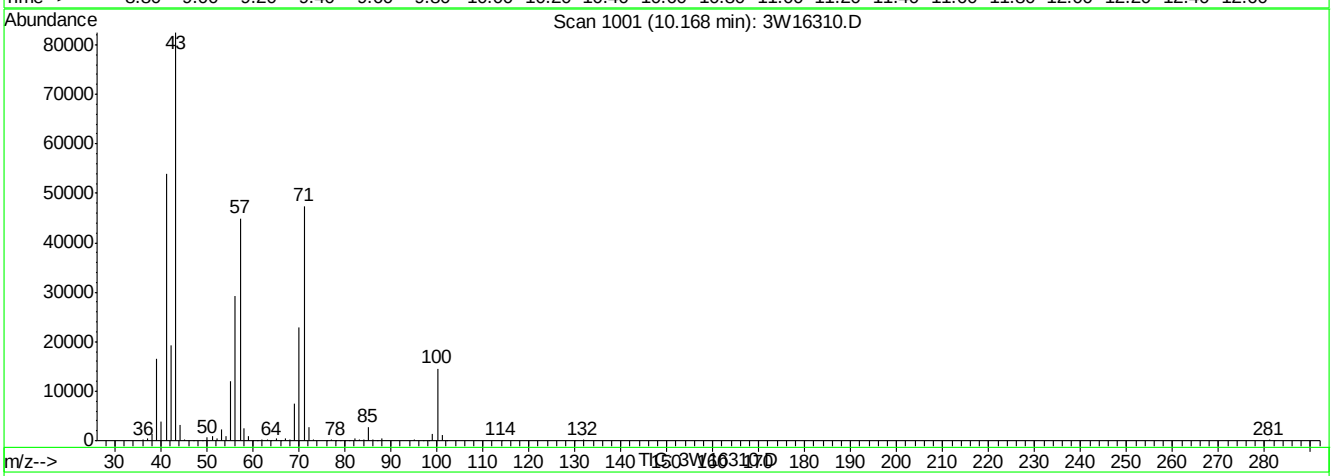
ACCUTEST. JA45062 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 14:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.17min 10.93PPBV m

response 1214207

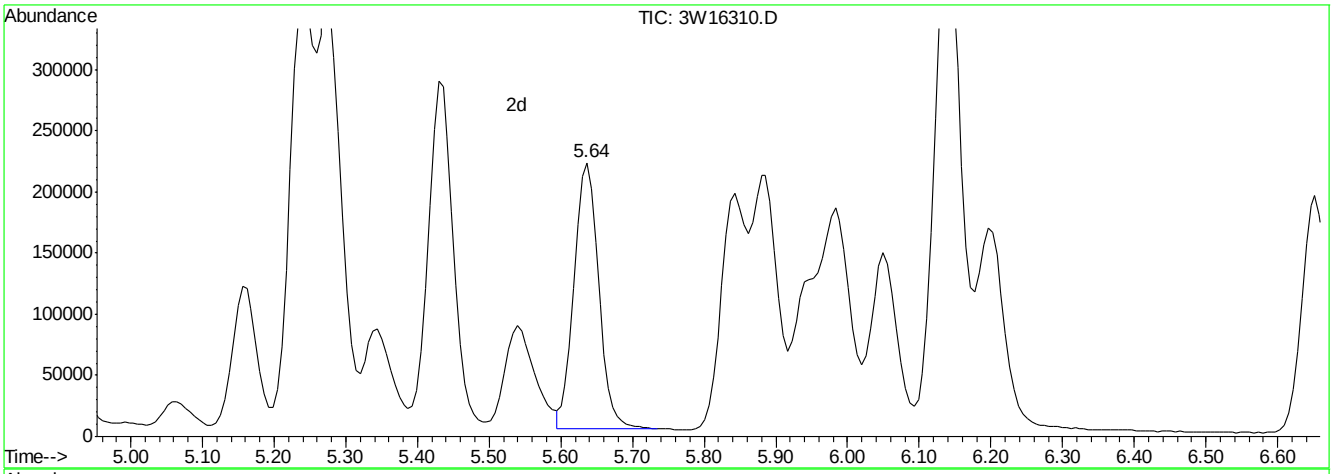
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

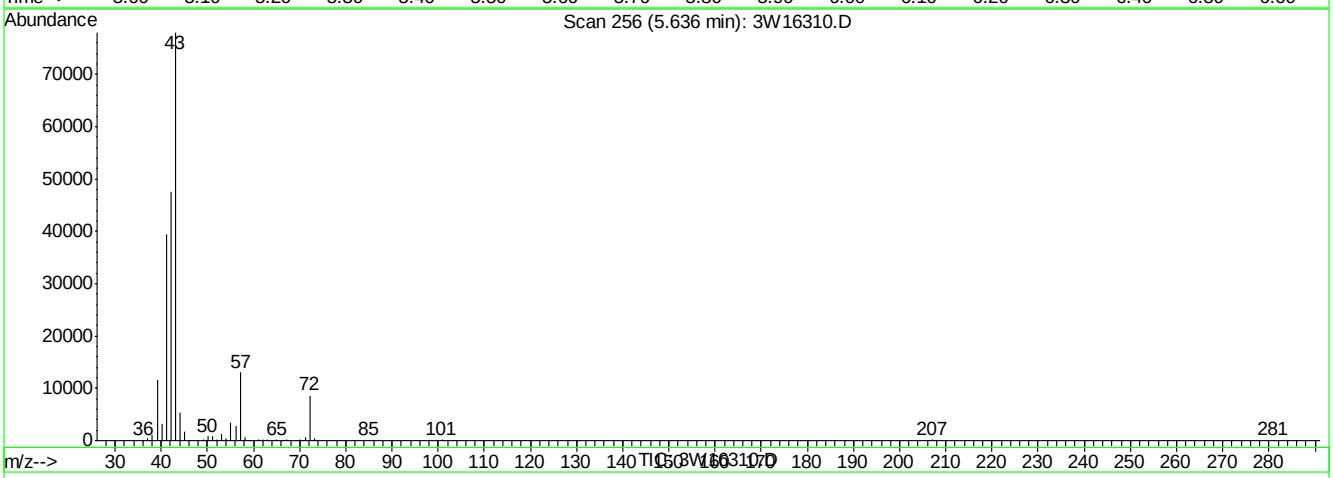
3W16310.D M3W644.M Mon Apr 19 14:49:04 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16310.D Vial: 2
Acq On : 16 Apr 2010 7:36 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 14:49 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.64min 10.66PPBV m

response 519519

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16310.D M3W644.M Mon Apr 19 14:55:21 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16311.D Vial: 6
Acq On : 16 Apr 2010 8:16 am Operator: YOUMINH
Sample : NAP-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:01:51 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

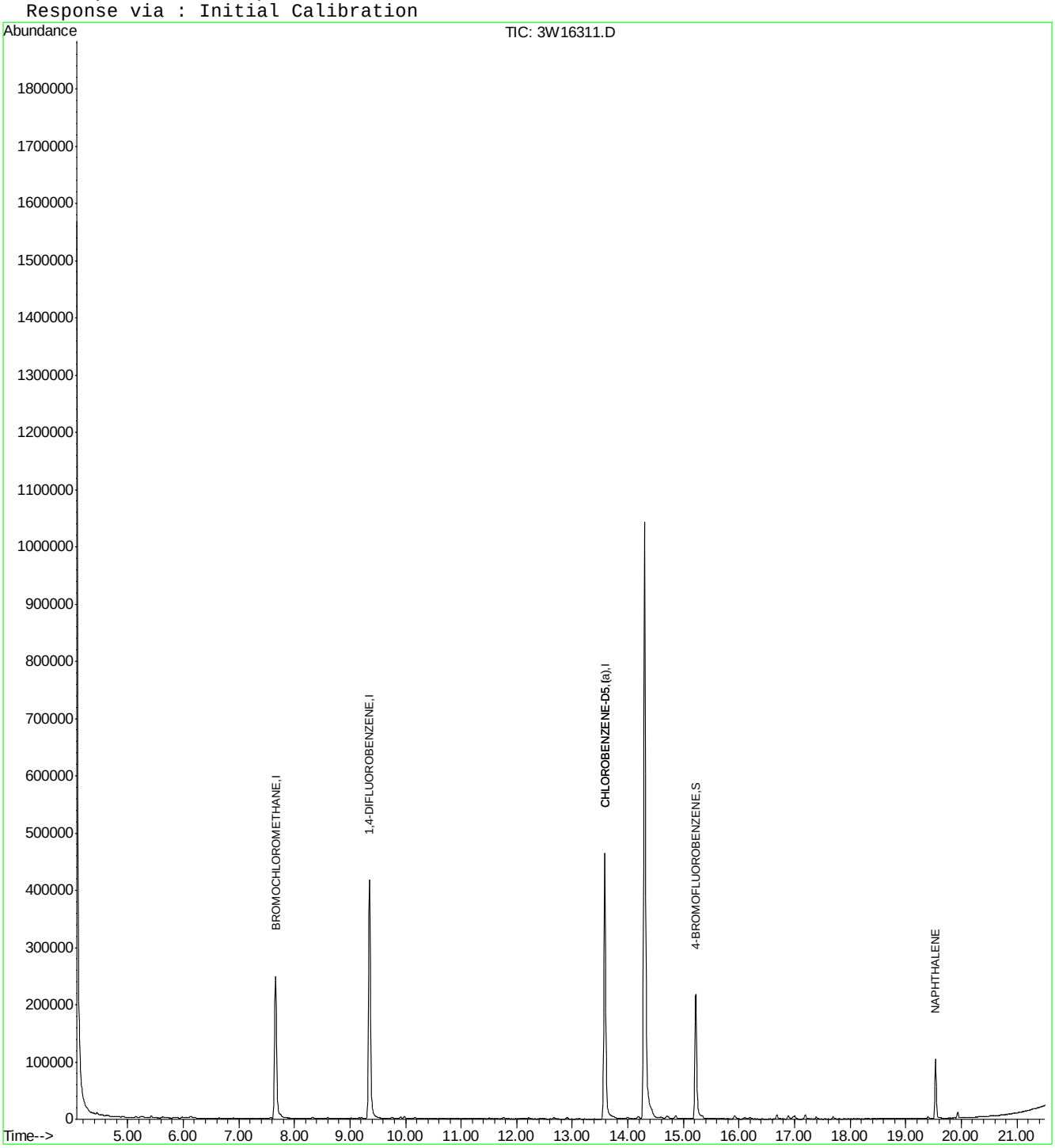
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	96005	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	457821	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	218002	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	218002	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	110511	4.59	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	92413	9.28	PPBV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16311.D M3W644.M Mon Apr 19 15:02:58 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16311.D Vial: 6
Acq On : 16 Apr 2010 8:16 am Operator: YOUMINH
Sample : NAP-10 Inst : MS3W
Misc : MS49009,V3W651,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:02 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	81773	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	400032	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	13.58	82	208913	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	208913	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	119078	5.16	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.20%				
Target Compounds							Qvalue
3) FREON 152A	4.16	65	69776	9.58	PPBV		71
4) CHLORODIFLUOROMETHANE	4.19	67	27632	9.76	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.26	85	285409	9.84	PPBV		100
6) PROPYLENE	4.21	41	83469	10.39	PPBV		99
7) FREON 114	4.44	85	306120	10.07	PPBV		98
8) CHLOROMETHANE	4.38	50	99285	10.46	PPBV		97
9) VINYL CHLORIDE	4.52	62	111560	10.12	PPBV		99
10) 1,3-BUTADIENE	4.61	54	79661	10.85	PPBV		97
11) n-BUTANE	4.63	43	151541	10.27	PPBV	#	97
12) BROMOMETHANE	4.80	94	105662	10.23	PPBV		99
13) CHLOROETHANE	4.91	64	56571	10.22	PPBV		99
14) FREON 123	5.22	83	245710	10.09	PPBV		99
15) FREON 123A	5.27	117	149827	10.30	PPBV		93
16) TRICHLOROFLUOROMETHANE	5.42	101	284637	10.38	PPBV		100
17) ISOPROPYL ALCOHOL	5.51	45	151259	9.71	PPBV		99
18) ACETONE	5.32	58	42861	9.30	PPBV		95
19) PENTANE	5.62	42	95452	9.82	PPBV		99
20) TVHC as EQUIV PENTANE	5.62	TIC	439306m	9.95	PPBV		
21) IODOMETHANE	5.83	142	280398	10.57	PPBV		100
22) 1,1-DICHLOROETHYLENE	5.87	96	97701	9.82	PPBV		99
23) CARBON DISULFIDE	6.18	76	288681	9.71	PPBV		98
24) ETHANOL	5.03	45	35172	8.54	PPBV		98
25) BROMOETHENE	5.14	106	106450	10.50	PPBV		100
26) METHYLENE CHLORIDE	5.97	84	87421	9.60	PPBV		99
27) 3-CHLOROPROPENE	6.04	76	45643	10.33	PPBV		94
28) FREON 113	6.13	151	177241	10.30	PPBV		97
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	97009	9.63	PPBV		98
30) TERTIARY BUTYL ALCOHOL	5.91	59	203270	10.73	PPBV		98
31) METHYL TERTIARY BUTYL ETHE	6.82	73	245094	9.88	PPBV		98
32) TETRAHYDROFURAN	8.08	72	41818	10.15	PPBV		92
33) HEXANE	7.57	57	139974	10.16	PPBV		97
34) VINYL ACETATE	6.92	86	19356	10.41	PPBV	#	84
35) 1,1-DICHLOROETHANE	6.82	63	172606	9.61	PPBV		100
36) METHYL ETHYL KETONE	7.12	72	41017	10.06	PPBV		92
37) cis-1,2-DICHLOROETHYLENE	7.53	96	99691	10.17	PPBV		99
38) DIISOPROPYL ETHER	7.58	45	255302	10.40	PPBV		98
39) ETHYL ACETATE	7.66	61	24098	9.80	PPBV	#	92
40) CHLOROFORM	7.75	83	202767	9.96	PPBV		99
41) 2,4-DIMETHYLPENTANE	8.33	57	177858	9.98	PPBV		99
42) 1,1,1-TRICHLOROETHANE	8.60	97	217196	10.17	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	227704	10.06	PPBV		100
44)	1,2-DICHLOROETHANE	8.38	62	118736	10.34	PPBV		99
46)	BENZENE	9.02	78	285698	9.48	PPBV		100
47)	CYCLOHEXANE	9.20	56	148464	9.74	PPBV		99
48)	2,3-DIMETHYLPENTANE	9.38	71	66354	9.05	PPBV		97
49)	TRICHLOROETHYLENE	9.98	95	124529	9.79	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	106495	9.25	PPBV		98
51)	BROMODICHLOROMETHANE	9.96	83	212831	10.59	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	456176	10.00	PPBV		99
53)	1,4-DIOXANE	10.02	88	57540	9.21	PPBV		98
54)	HEPTANE	10.16	43	163942	10.68	PPBV		94
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1028939m	10.39	PPBV		
56)	METHYL METHACRYLATE	10.17	69	81897	10.83	PPBV	#	87
57)	METHYL ISOBUTYL KETONE	10.80	43	170194	12.00	PPBV		96
58)	cis-1,3-DICHLOROPROPENE	10.82	75	161224	11.06	PPBV		96
59)	TOLUENE	11.76	92	196239	9.85	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	127907	11.04	PPBV		96
61)	1,1,2-TRICHLOROETHANE	11.49	83	98323	10.63	PPBV		100
63)	2-HEXANONE	12.00	43	162576	10.72	PPBV		94
64)	TETRACHLOROETHYLENE	12.90	164	133279	9.26	PPBV		100
65)	DIBROMOCHLOROMETHANE	12.21	129	209644	10.49	PPBV		100
66)	1,2-DIBROMOETHANE	12.42	107	157879	10.24	PPBV		100
67)	OCTANE	12.67	43	229528	11.20	PPBV		94
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	147406	10.26	PPBV		98
69)	CHLOROBENZENE	13.62	112	234692	9.55	PPBV		99
70)	ETHYLBENZENE	13.99	91	403586	10.15	PPBV		99
71)	m,p-XYLENE	14.18	106	291043	20.36	PPBV		94
72)	o-XYLENE	14.69	106	144540	10.37	PPBV		98
73)	STYRENE	14.59	104	195171	10.64	PPBV		98
74)	NONANE	14.86	43	215875	12.31	PPBV		96
75)	BROMOFORM	14.30	173	175446	11.04	PPBV		100
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	187349	10.29	PPBV		100
78)	1,2,3-TRICHLOROPROPANE	14.84	75	152368	10.43	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	423246	10.10	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	95085	10.79	PPBV		99
81)	n-PROPYLBENZENE	15.93	120	102224	10.53	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	354080	11.03	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	302550	10.91	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	67750	10.32	PPBV		99
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	276236	11.37	PPBV		99
86)	m-DICHLOROBENZENE	16.88	146	151351	10.13	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	157622	9.73	PPBV		99
88)	p-DICHLOROBENZENE	16.97	146	141221	9.95	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	80561	10.58	PPBV		98
90)	p-ISOPROPYLTOLUENE	17.18	134	78564	10.20	PPBV		97
91)	o-DICHLOROBENZENE	17.39	146	136418	10.09	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	59346	10.08	PPBV		94
93)	HEXACHLOROBUTADIENE	19.93	225	43894	9.36	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	22981	9.39	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

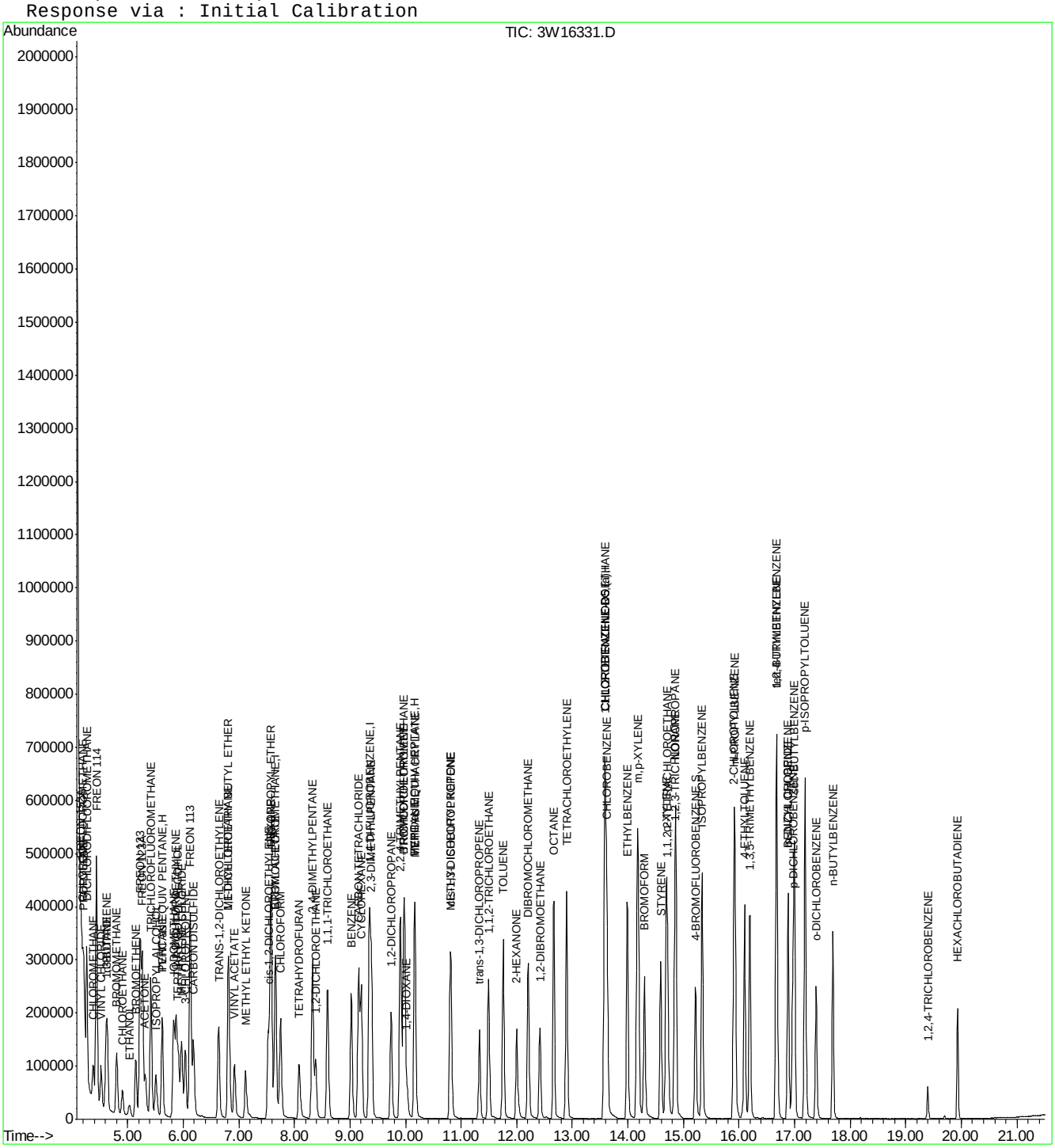
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:09 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

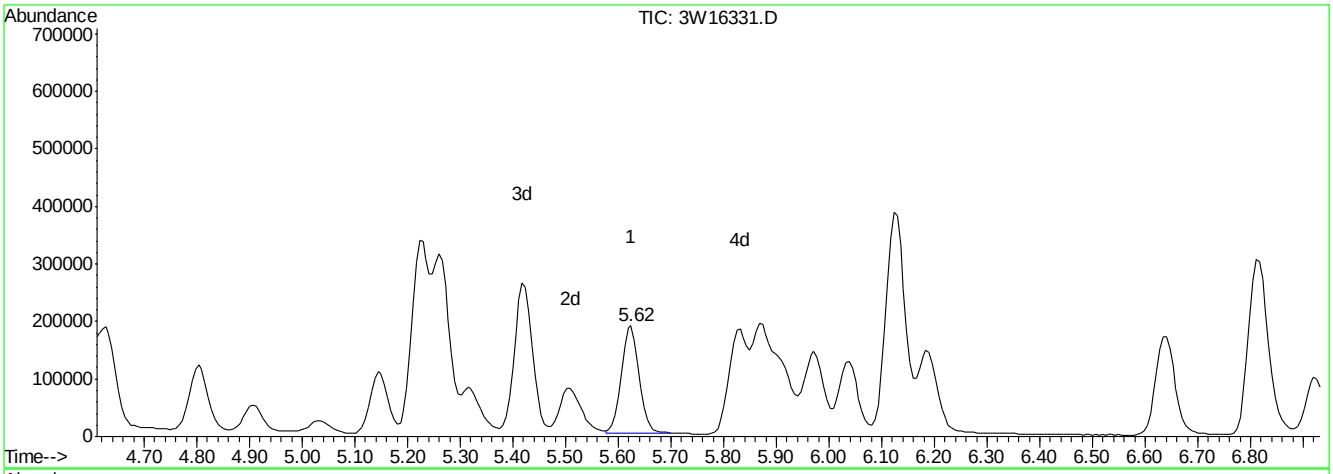


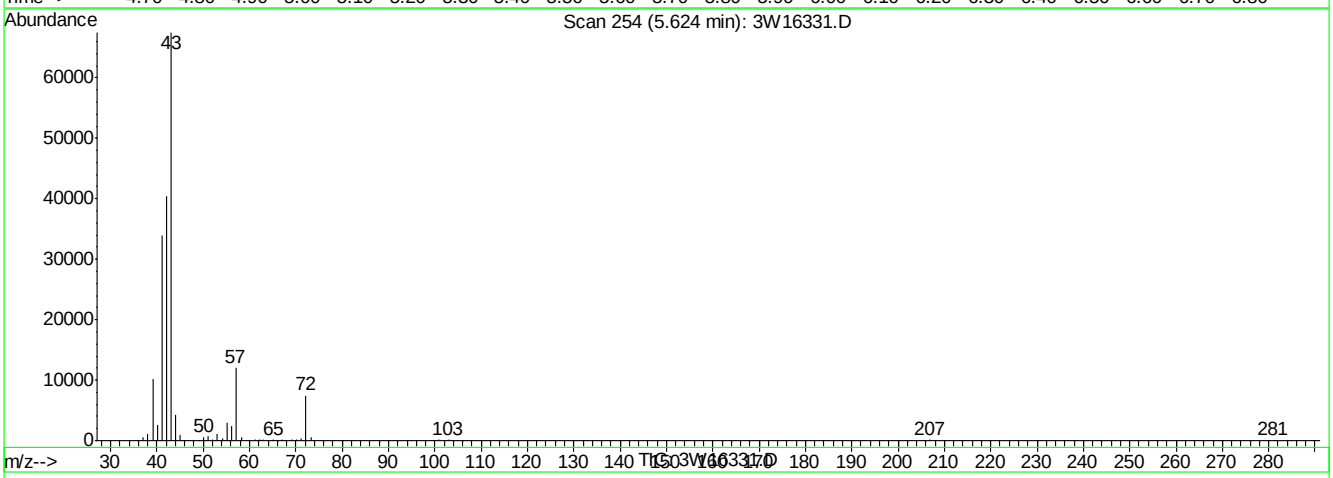
1059 of 1201
ACCUTEST Laboratories
JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.62min 9.95PPBV m

response 439306

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

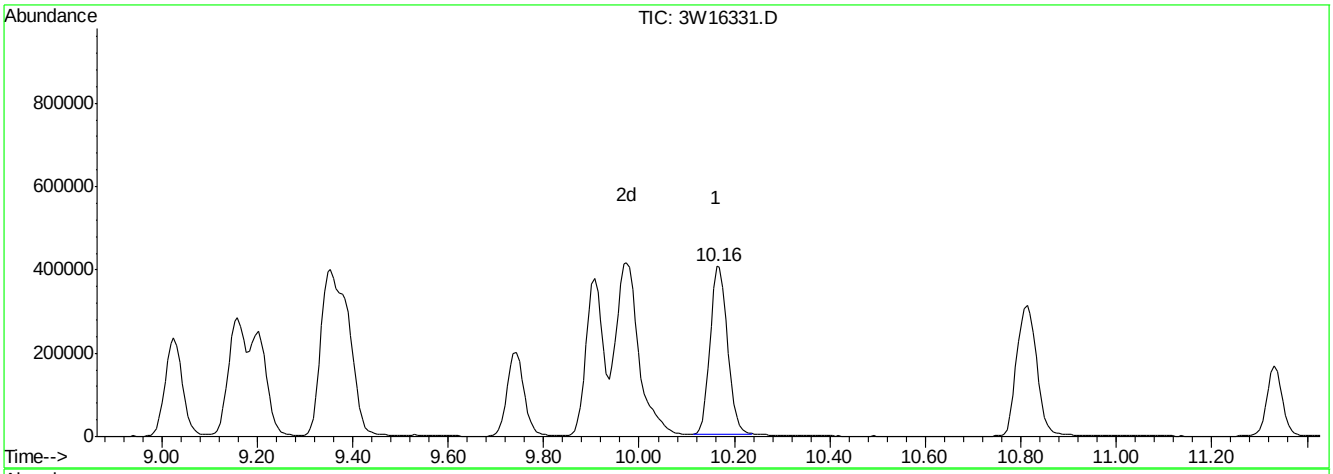
3W16331.D M3W644.M Tue Apr 20 10:08:06 2010 MS3W

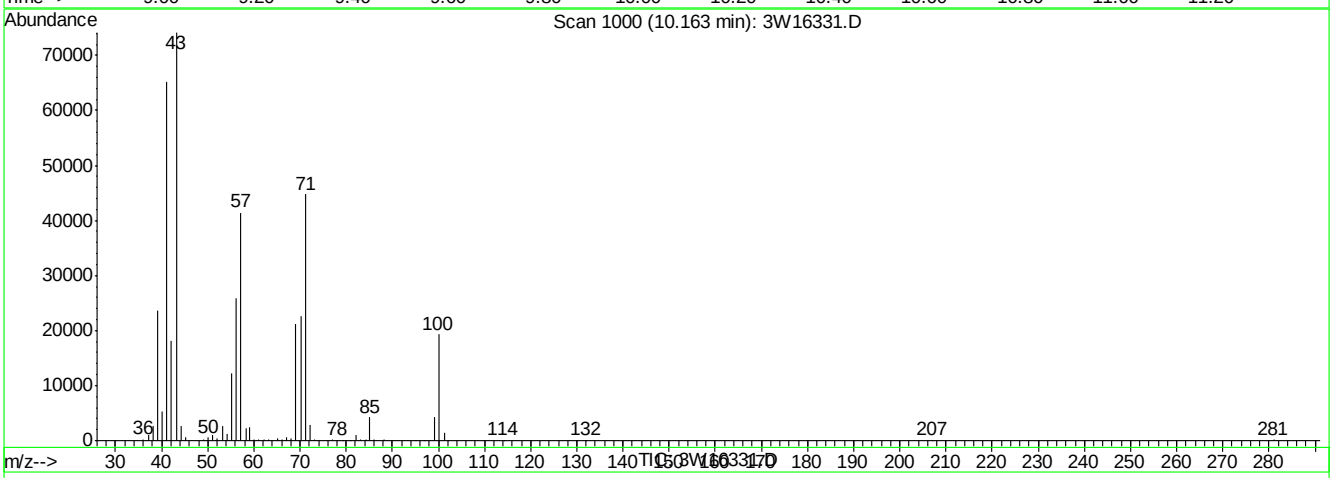
ACCUTEST Laboratories
JA45062

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.39PPBV m

response 1028939

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16331.D M3W644.M Tue Apr 20 10:08:46 2010 MS3W

ACCUTEST Laboratories
JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:45:47 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

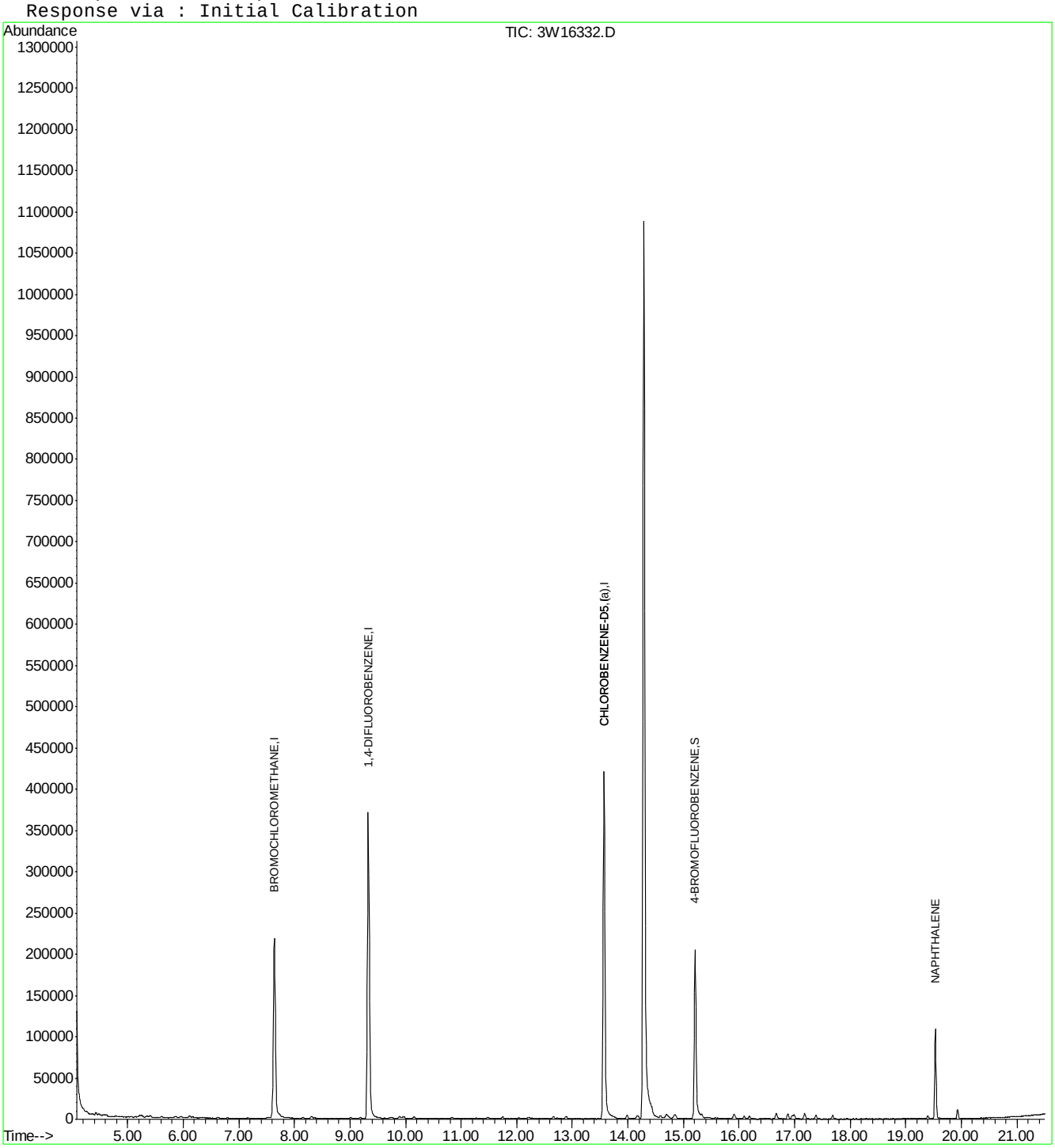
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	85480	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.33	114	404335	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.57	82	194026	10.00	PPBV	-0.02
95) CHLOROBENZENE-D5 (a)	13.57	82	194514	10.00	PPBV	-0.02
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	100777	4.70	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.53	128	97469	10.97	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:11 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	75531	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	384285	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.14	82	198607	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	198607	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	111781	5.00	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.82	67	27838	10.00	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	278232	10.00	PPBV		98
6) PROPYLENE	4.85	41	102218	10.00	PPBV		97
7) FREON 114	5.17	85	311274	10.00	PPBV		99
8) CHLOROMETHANE	5.08	52	33892	10.00	PPBV	#	76
9) VINYL CHLORIDE	5.28	62	123307	10.00	PPBV		100
10) 1,3-BUTADIENE	5.41	54	100901	10.00	PPBV	#	85
11) n-BUTANE	5.45	43	202943	10.00	PPBV		97
12) BROMOMETHANE	5.66	94	102818	10.00	PPBV		99
13) CHLOROETHANE	5.81	64	68135	10.00	PPBV		97
14) ACROLEIN	6.26	56	44841	10.00	PPBV		96
15) FREON 123	6.23	83	260315	10.00	PPBV	#	75
16) FREON 123A	6.28	117	152203	10.00	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.48	101	280326	10.00	PPBV		100
18) ISOPROPYL ALCOHOL	6.69	45	222052	10.00	PPBV	#	55
19) ACETONE	6.39	58	54291	10.00	PPBV	#	62
20) PENTANE	6.78	57	35782	9.73	PPBV	#	81
21) TVHC as EQUIV PENTANE	6.78	TIC	672649m	9.98	PPBV		
22) IODOMETHANE	6.99	142	279636	10.00	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.04	96	107829	10.00	PPBV	#	82
24) CARBON DISULFIDE	7.44	76	330166	10.00	PPBV		94
25) ETHANOL	6.06	45	46916	10.00	PPBV		98
26) BROMOETHENE	6.12	106	106873	10.00	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	94980	10.00	PPBV		86
28) 3-CHLOROPROPENE	7.25	76	57142	10.00	PPBV	#	58
29) FREON 113	7.36	151	182743	10.00	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	118719	10.00	PPBV		90
31) TERTIARY BUTYL ALCOHOL	7.22	59	286175	10.00	PPBV	#	93
32) METHYL TERTIARY BUTYL ETHE	8.23	73	327852	10.00	PPBV		95
33) TETRAHYDROFURAN	9.62	72	57524	10.00	PPBV	#	81
34) HEXANE	9.06	57	206553	10.00	PPBV		87
35) VINYL ACETATE	8.27	86	32219	10.00	PPBV	#	47
36) 1,1-DICHLOROETHANE	8.15	63	218095	10.00	PPBV		99
37) METHYL ETHYL KETONE	8.56	72	58785	10.00	PPBV	#	67
38) cis-1,2-DICHLOROETHYLENE	8.90	96	119293	10.00	PPBV		91
39) DI-ISOPROPYL ETHER	9.08	45	439027	10.00	PPBV		96
40) ETHYL ACETATE	9.12	61	38303	10.00	PPBV	#	72
41) CHLOROFORM	9.18	83	227571	10.00	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.88	57	250933	10.00	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.09	97	231132	10.00	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	239233	10.00	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	149193	10.00	PPBV		98
47)	BENZENE	10.53	78	370697	10.00	PPBV		98
48)	CYCLOHEXANE	10.78	84	178709	10.00	PPBV		94
49)	2,3-DIMETHYLPENTANE	10.98	71	95656	10.00	PPBV		91
50)	TRICHLOROETHYLENE	11.52	95	153291	10.00	PPBV		98
51)	1,2-DICHLOROPROPANE	11.31	63	135756	10.00	PPBV		98
52)	BROMODICHLOROMETHANE	11.49	83	255080	10.00	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	669399	10.00	PPBV		99
54)	1,4-DIOXANE	11.58	88	80168	10.00	PPBV		89
55)	METHYL METHACRYLATE	11.70	69	129906	10.00	PPBV	#	78
56)	HEPTANE	11.76	43	249661	10.00	PPBV		88
57)	TVHC as EQUIV HEPTANE	11.76	TIC	1047401m	9.98	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	283518	10.00	PPBV		91
59)	cis-1,3-DICHLOROPROPENE	12.34	75	213065	10.00	PPBV		88
60)	TOLUENE	13.32	92	264046	10.00	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.85	75	180331	10.00	PPBV		90
62)	1,1,2-TRICHLOROETHANE	13.04	83	117909	10.00	PPBV		100
64)	2-HEXANONE	13.60	43	270061	10.00	PPBV		89
65)	TETRACHLOROETHYLENE	14.47	164	164932	10.00	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.77	129	245061	10.00	PPBV		99
67)	1,2-DIBROMOETHANE	14.02	107	204734	10.00	PPBV		99
68)	OCTANE	14.27	43	327549	10.00	PPBV		89
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	175802	10.00	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	327360	10.00	PPBV		100
71)	ETHYLBENZENE	15.57	91	543286	10.00	PPBV		100
72)	m,p-XYLENE	15.76	106	423158	20.00	PPBV		99
73)	o-XYLENE	16.27	106	201152	10.00	PPBV		99
74)	STYRENE	16.16	104	312752	10.00	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	204349	10.00	PPBV		98
76)	NONANE	16.46	43	313189	10.00	PPBV		92
77)	BROMOFORM	15.88	173	218779	10.00	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	249671	10.00	PPBV		99
80)	ISOPROPYLBENZENE	16.90	105	574075	10.00	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	131908	10.00	PPBV		97
82)	n-PROPYLBENZENE	17.45	120	153922	10.00	PPBV		98
83)	4-ETHYLTOLUENE	17.60	105	515235	10.00	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	415889m	8.02	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	107469	10.00	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	397355	10.00	PPBV		98
87)	m-DICHLOROBENZENE	18.32	146	238096	10.00	PPBV		100
88)	BENZYL CHLORIDE	18.30	91	288838	10.00	PPBV		99
89)	p-DICHLOROBENZENE	18.40	146	224557m	9.43	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	123583	10.00	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	121091	10.00	PPBV		99
92)	o-DICHLOROBENZENE	18.77	146	200318	10.00	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	97670	10.00	PPBV		94
94)	HEXACHLOROBUTADIENE	21.17	225	58165	10.00	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.68	180	46642	10.00	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

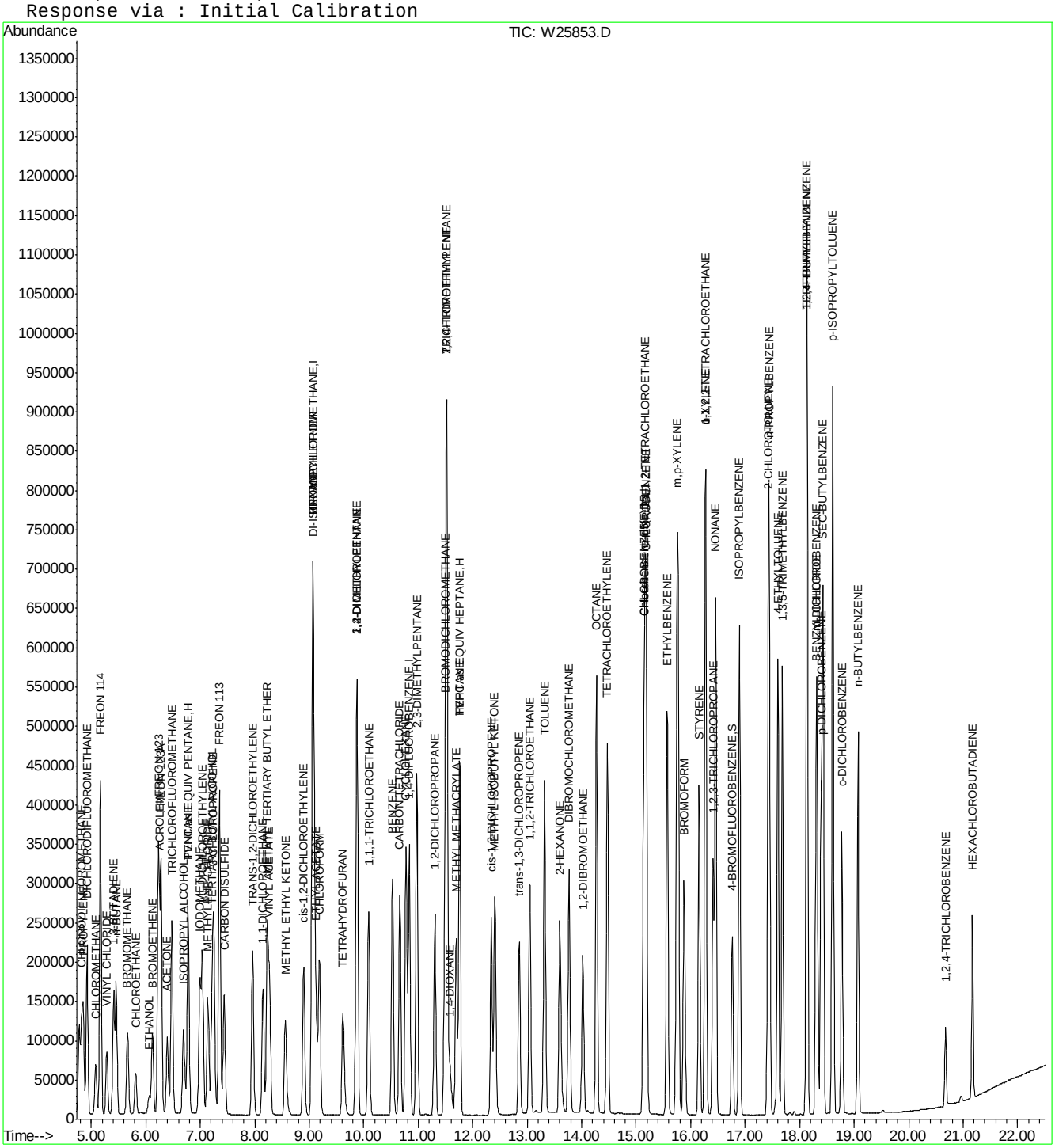
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:00 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

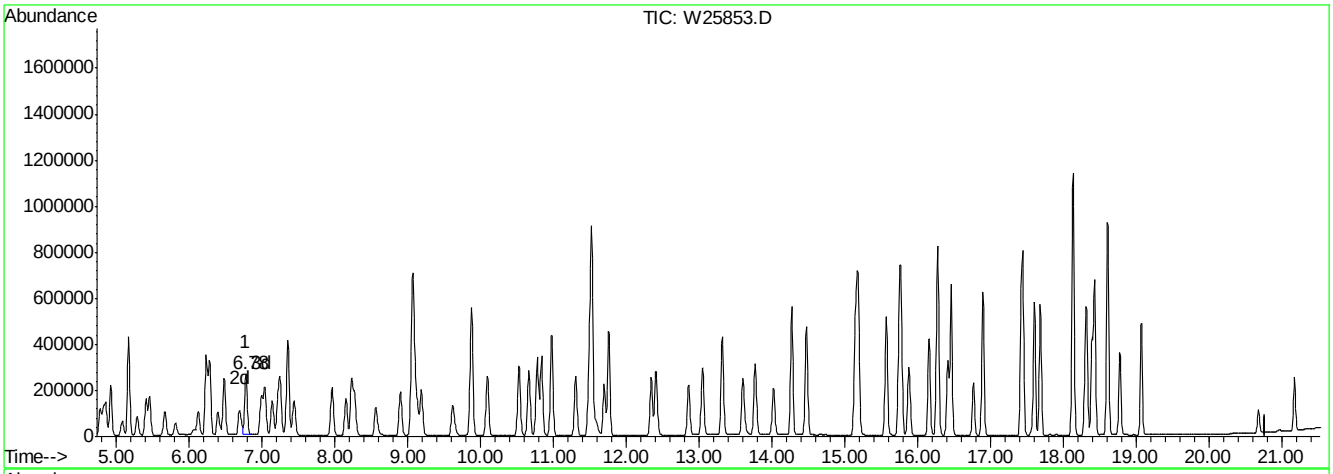


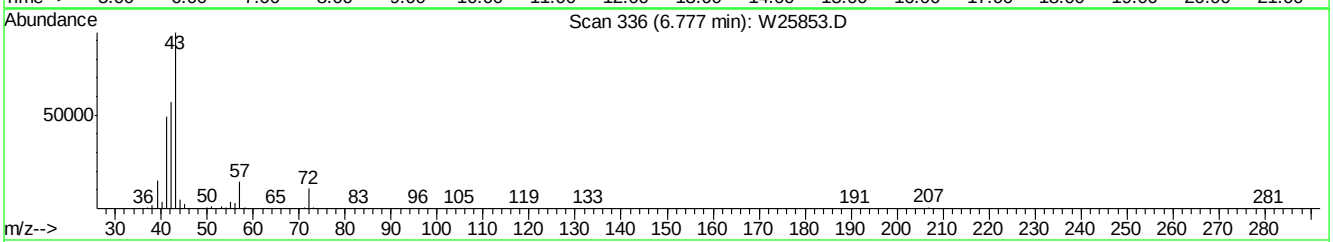
1067 of 1201
ACCUTEST Laboratories
JA45062

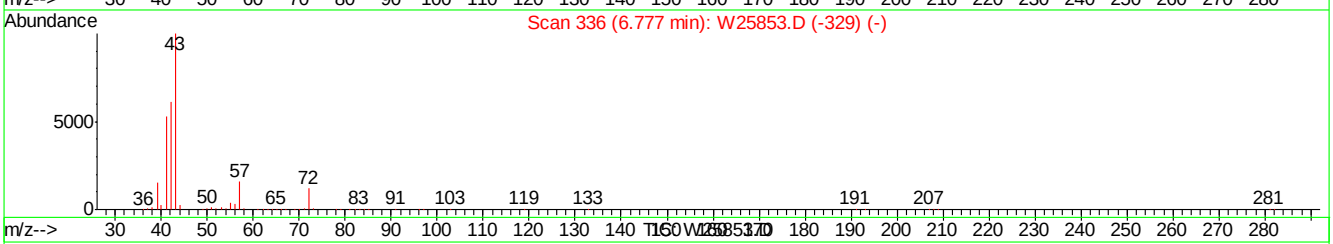
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 9.98PPBV m

response 672649

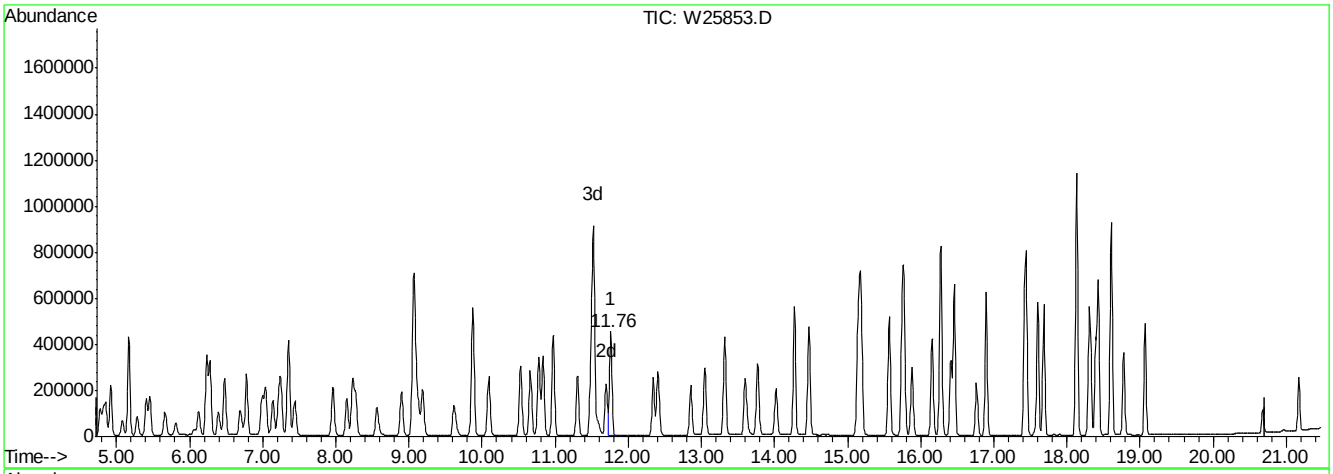
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

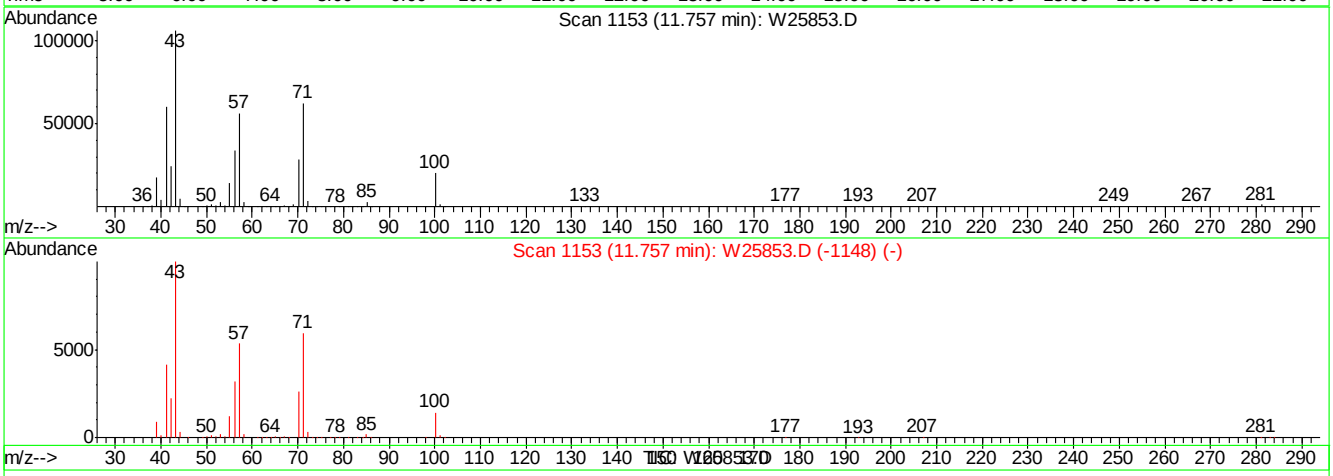
W25853.D MW1071.M Wed Apr 14 11:33:59 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.76min 9.98PPBV m

response 1047401

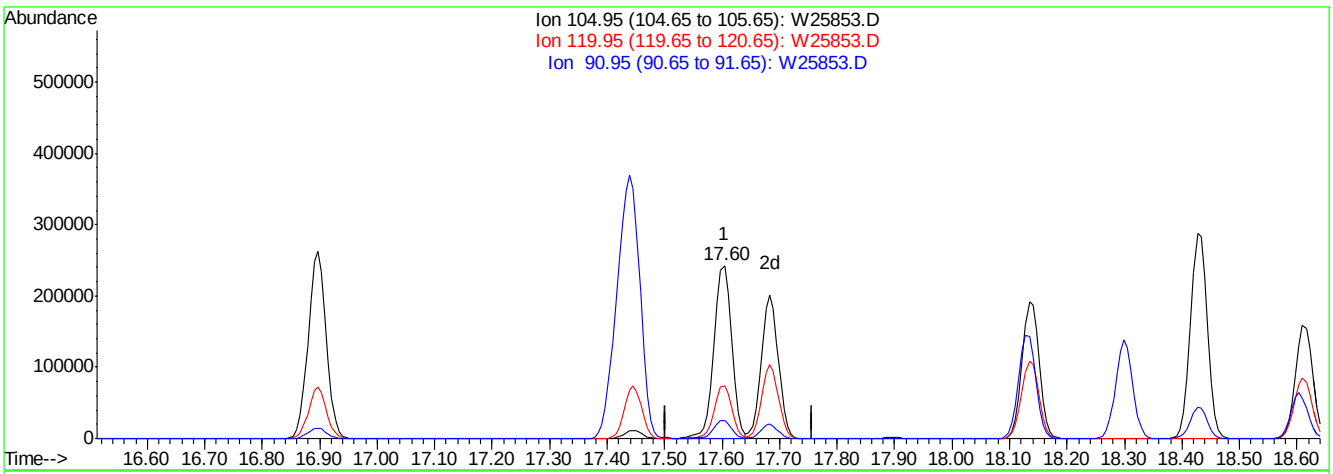
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

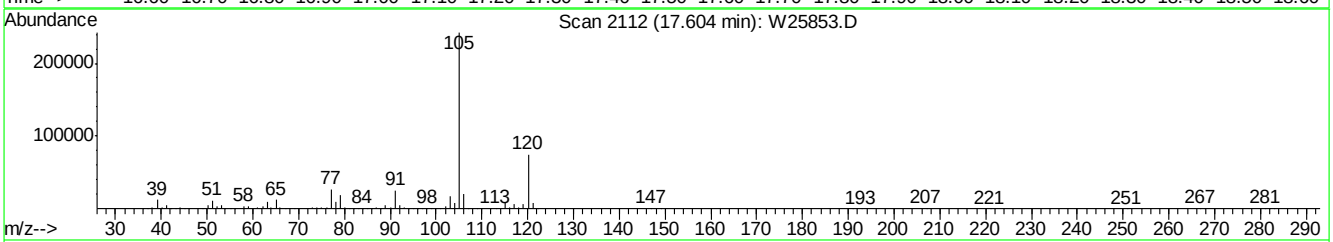
W25853.D MW1071.M Wed Apr 14 11:34:03 2010 MSW

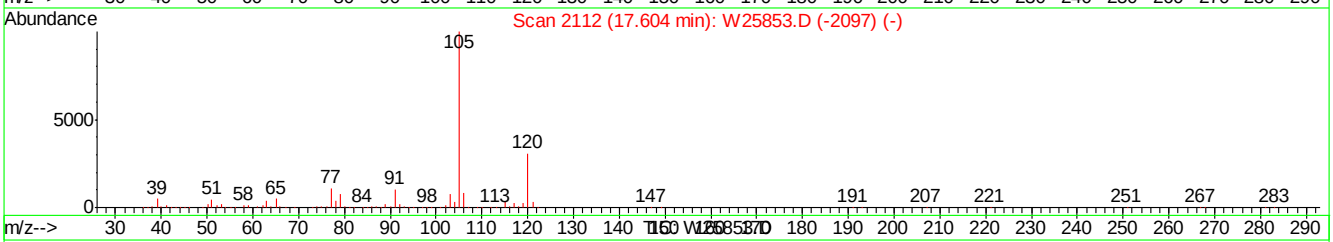
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 10.00PPBV

response 518457

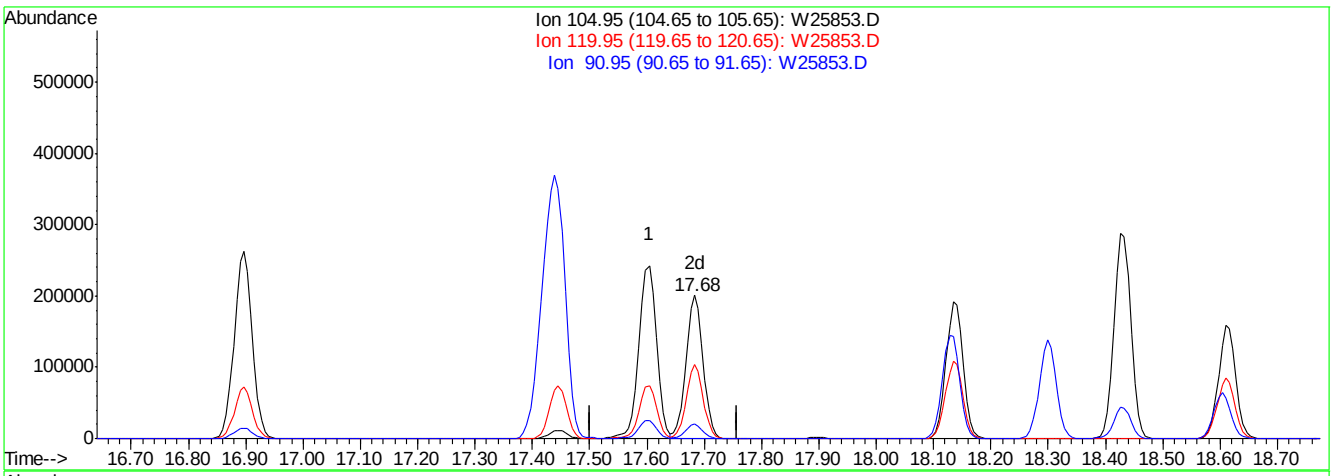
Ion	Exp%	Act%
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119.95	50.10	30.35
90.95	9.70	10.31
0.00	0.00	0.00

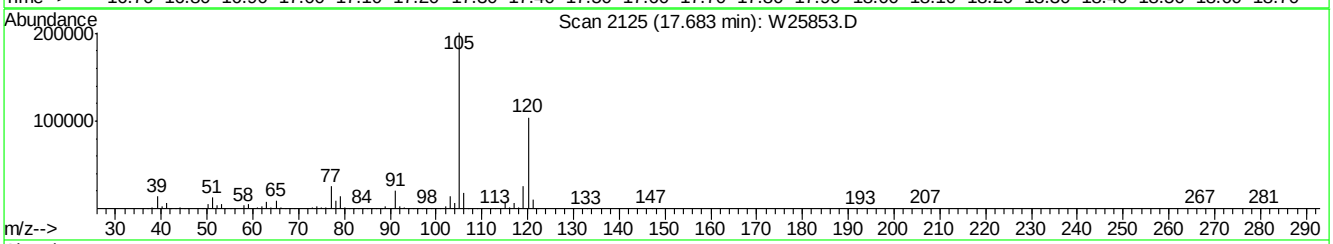
W25853.D MW1071.M Wed Apr 14 11:45:46 2010 MSW

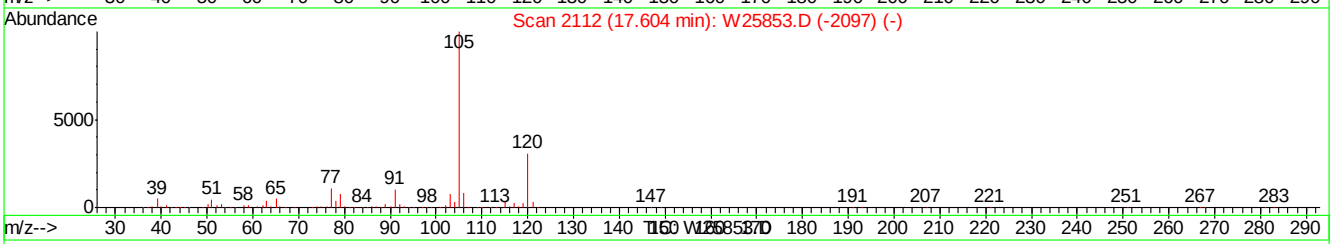
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.68min 8.02PPBV m

response 415889

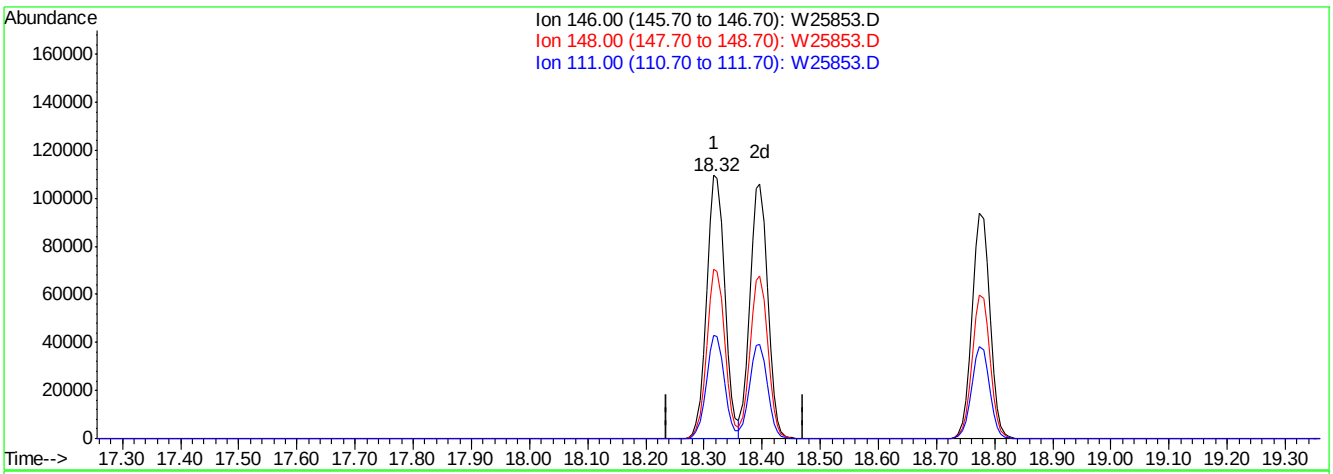
Ion	Exp%	Act%
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119.95	50.10	37.83
90.95	9.70	12.85
0.00	0.00	0.00

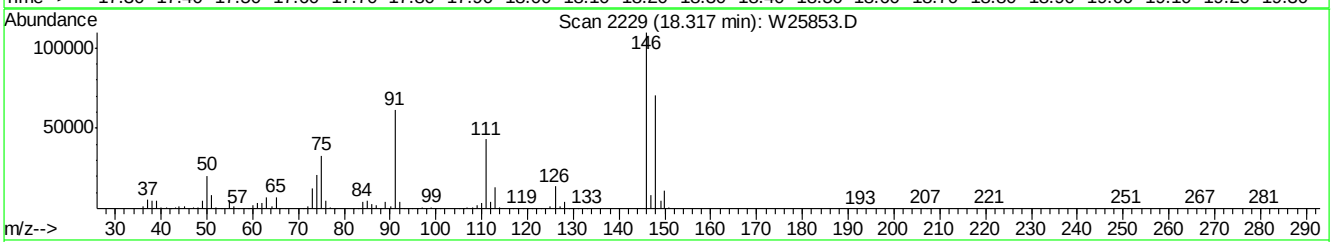
W25853.D MW1071.M Wed Apr 14 11:46:05 2010 MSW

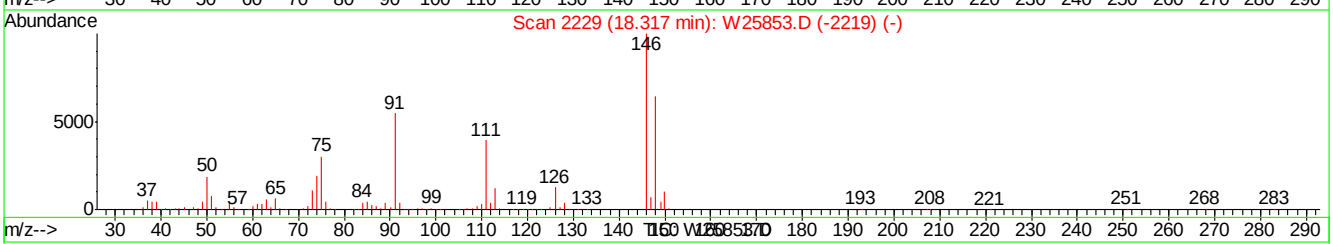
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 10.00PPBV

response 238096

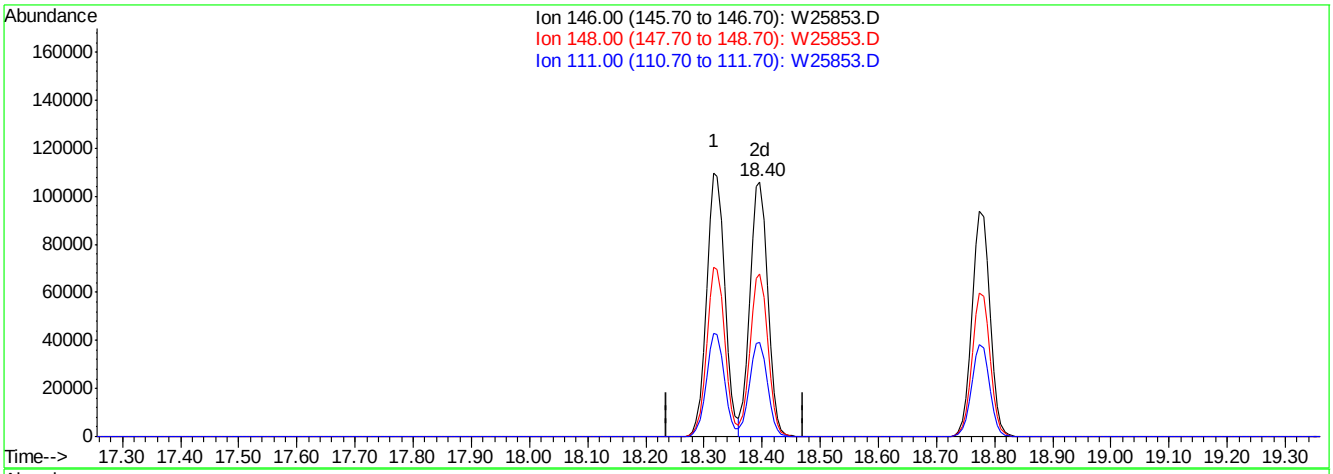
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	63.90
111.00	37.90	39.07
0.00	0.00	0.00

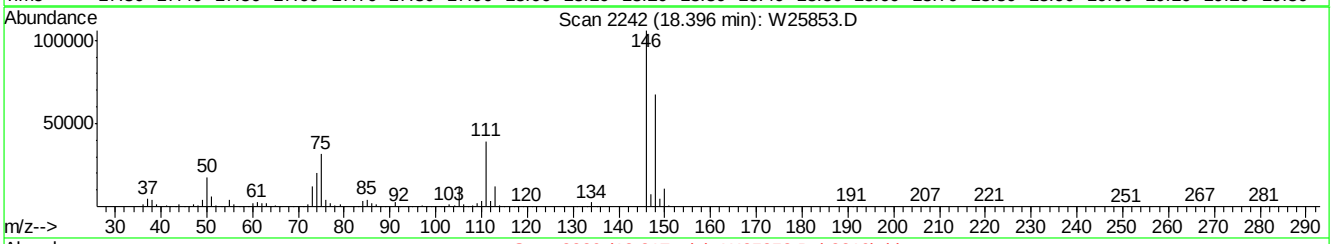
W25853.D MW1071.M Wed Apr 14 12:00:42 2010 MSW

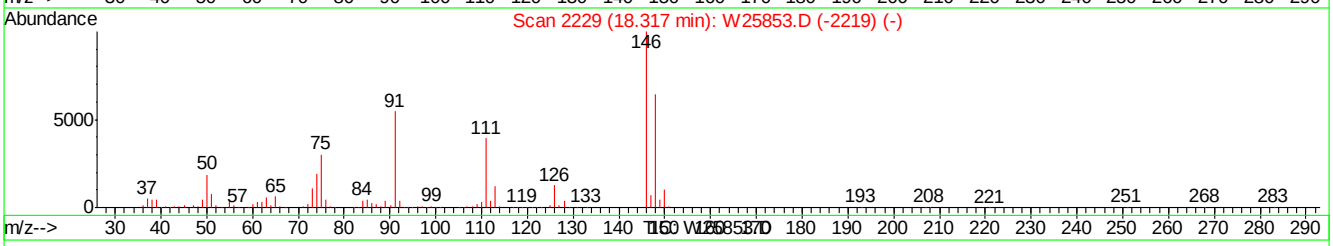
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 9.43PPBV m

response 224557

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	67.76
111.00	37.90	41.42
0.00	0.00	0.00

W25853.D MW1071.M Wed Apr 14 12:00:47 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	74384	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	362858	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.15	82	191666	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.15	82	191668	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	102411	4.75	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.81	67	49052	17.89	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	491846	17.95	PPBV		98
6) PROPYLENE	4.85	41	182100	18.09	PPBV		97
7) FREON 114	5.16	85	550197	17.95	PPBV		100
8) CHLOROMETHANE	5.08	52	60161	18.02	PPBV	#	88
9) VINYL CHLORIDE	5.28	62	220234	18.14	PPBV		99
10) 1,3-BUTADIENE	5.41	54	178573	17.97	PPBV	#	86
11) n-BUTANE	5.45	43	363525	18.19	PPBV		97
12) BROMOMETHANE	5.66	94	177459	17.53	PPBV		100
13) CHLOROETHANE	5.81	64	118681	17.69	PPBV		97
14) ACROLEIN	6.25	56	79827	18.08	PPBV		98
15) FREON 123	6.23	83	453671	17.70	PPBV	#	99
16) FREON 123A	6.28	117	263576	17.58	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.48	101	487105	17.64	PPBV		100
18) ISOPROPYL ALCOHOL	6.70	45	382132	17.47	PPBV	#	54
19) ACETONE	6.38	58	93532	17.49	PPBV	#	61
20) PENTANE	6.78	57	63157	17.43	PPBV	#	80
21) TVHC as EQUIV PENTANE	6.78	TIC	1194283m	17.99	PPBV		
22) IODOMETHANE	6.99	142	485470	17.63	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.03	96	187675	17.67	PPBV	#	82
24) CARBON DISULFIDE	7.44	76	579273	17.82	PPBV		95
25) ETHANOL	6.05	45	79038	17.11	PPBV		98
26) BROMOETHENE	6.12	106	184674	17.55	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	167282	17.88	PPBV		85
28) 3-CHLOROPROPENE	7.25	76	100920	17.93	PPBV	#	64
29) FREON 113	7.35	151	324415	18.03	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	210145	17.97	PPBV		92
31) TERTIARY BUTYL ALCOHOL	7.23	59	486314	17.26	PPBV	#	96
32) METHYL TERTIARY BUTYL ETHE	8.22	73	559748	17.34	PPBV		95
33) TETRAHYDROFURAN	9.61	72	97514	17.21	PPBV	#	81
34) HEXANE	9.06	57	358197	17.61	PPBV		88
35) VINYL ACETATE	8.27	86	54906	17.30	PPBV	#	47
36) 1,1-DICHLOROETHANE	8.15	63	379896	17.69	PPBV		99
37) METHYL ETHYL KETONE	8.56	72	99571	17.20	PPBV	#	69
38) cis-1,2-DICHLOROETHYLENE	8.90	96	211801	18.03	PPBV		93
39) DI-ISOPROPYL ETHER	9.08	45	739040	17.09	PPBV		96
40) ETHYL ACETATE	9.12	61	63106	16.73	PPBV	#	64
41) CHLOROFORM	9.19	83	397733	17.75	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.87	57	435783	17.63	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	405423	17.81	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	423552	17.98	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	258296	17.58	PPBV		98
47)	BENZENE	10.53	78	644494	18.41	PPBV		98
48)	CYCLOHEXANE	10.78	84	312166	18.50	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.98	71	167511	18.55	PPBV		92
50)	TRICHLOROETHYLENE	11.52	95	271358	18.75	PPBV		97
51)	1,2-DICHLOROPROPANE	11.31	63	235344	18.36	PPBV		97
52)	BROMODICHLOROMETHANE	11.50	83	446658	18.54	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	1154782	18.27	PPBV		99
54)	1,4-DIOXANE	11.58	88	139662	18.45	PPBV		89
55)	METHYL METHACRYLATE	11.70	69	221525	18.06	PPBV	#	78
56)	HEPTANE	11.76	43	427106	18.12	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.76	TIC	1840314m	18.56	PPBV		
58)	METHYL ISOBUTYL KETONE	12.41	43	477313	17.83	PPBV		92
59)	cis-1,3-DICHLOROPROPENE	12.35	75	370288	18.41	PPBV		88
60)	TOLUENE	13.32	92	461190	18.50	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	314426	18.47	PPBV		91
62)	1,1,2-TRICHLOROETHANE	13.06	83	206339	18.53	PPBV		100
64)	2-HEXANONE	13.60	43	456360	17.51	PPBV		90
65)	TETRACHLOROETHYLENE	14.48	164	295921	18.59	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.78	129	435324	18.41	PPBV		100
67)	1,2-DIBROMOETHANE	14.03	107	360513	18.25	PPBV		99
68)	OCTANE	14.28	43	556861	17.62	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	314936	18.56	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	581293	18.40	PPBV		99
71)	ETHYLBENZENE	15.57	91	948427	18.09	PPBV		99
72)	m,p-XYLENE	15.76	106	745466	36.51	PPBV		99
73)	o-XYLENE	16.28	106	357383	18.41	PPBV		98
74)	STYRENE	16.16	104	550984	18.26	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	357551	18.13	PPBV		98
76)	NONANE	16.46	43	535420	17.71	PPBV		93
77)	BROMOFORM	15.88	173	393534	18.64	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	437882	18.17	PPBV		100
80)	ISOPROPYLBENZENE	16.90	105	1008952	18.21	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	238390	18.73	PPBV	#	91
82)	n-PROPYLBENZENE	17.45	120	275742	18.56	PPBV		93
83)	4-ETHYLTOLUENE	17.60	105	907457	18.25	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.69	105	730237m	14.59	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	193217	18.63	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.14	105	710004	18.52	PPBV		98
87)	m-DICHLOROBENZENE	18.32	146	432650	18.83	PPBV		100
88)	BENZYL CHLORIDE	18.31	91	532355	19.10	PPBV		98
89)	p-DICHLOROBENZENE	18.40	146	419269m	18.25	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	224516	18.83	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.60	134	221349	18.94	PPBV		97
92)	o-DICHLOROBENZENE	18.78	146	371130	19.20	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	174227	18.48	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	100182	17.85	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	88531	19.67	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

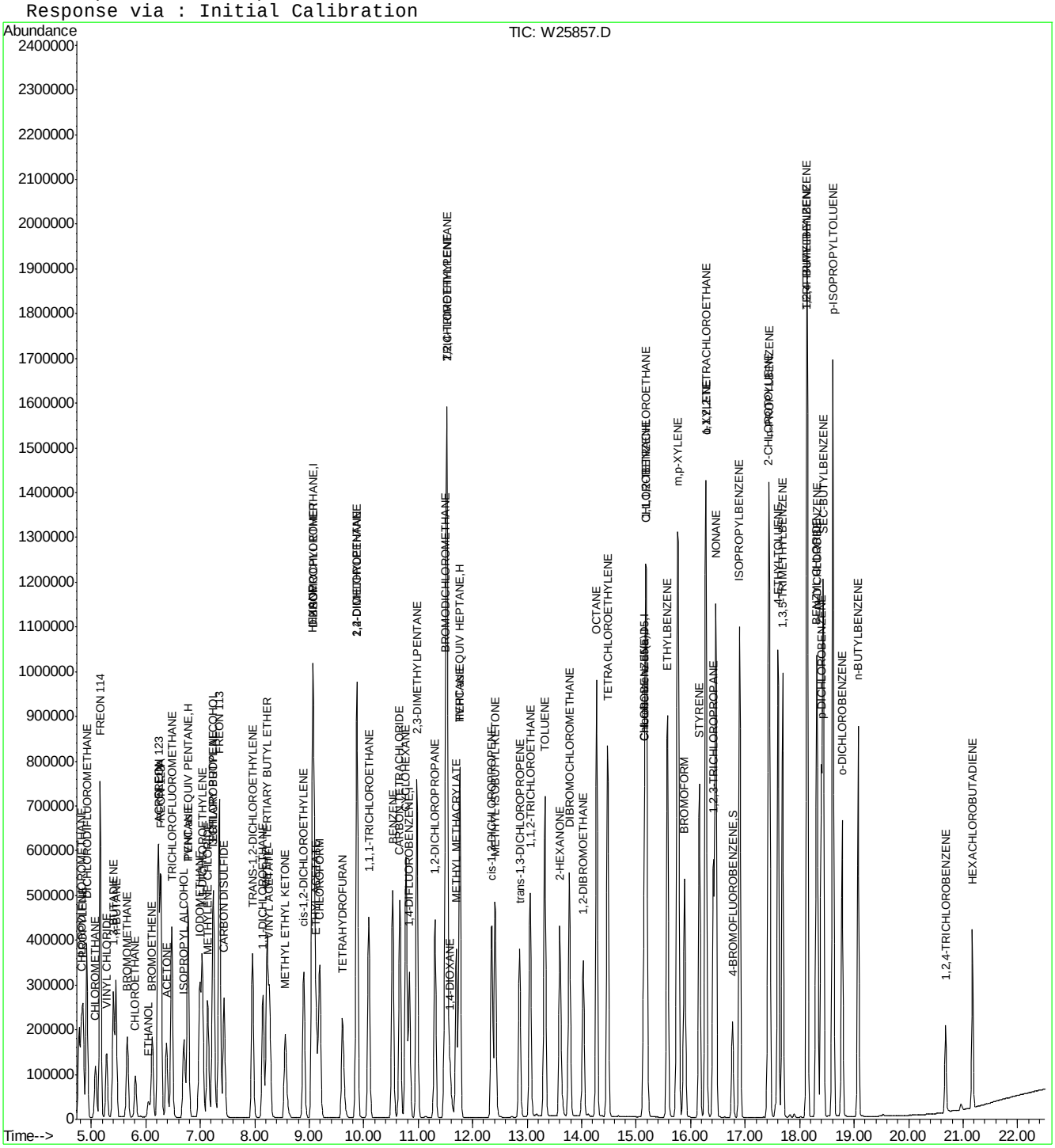
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

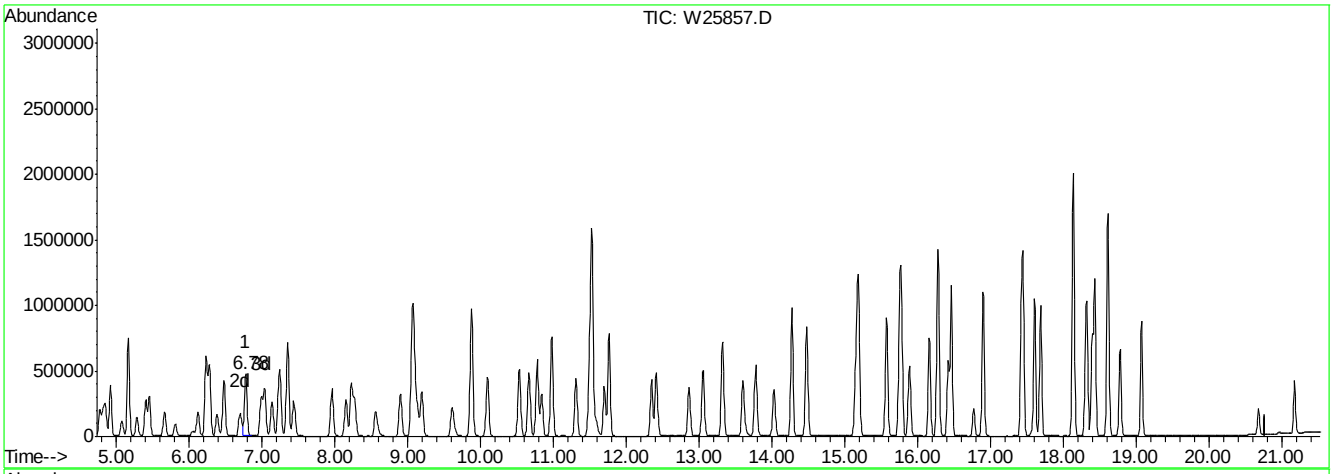


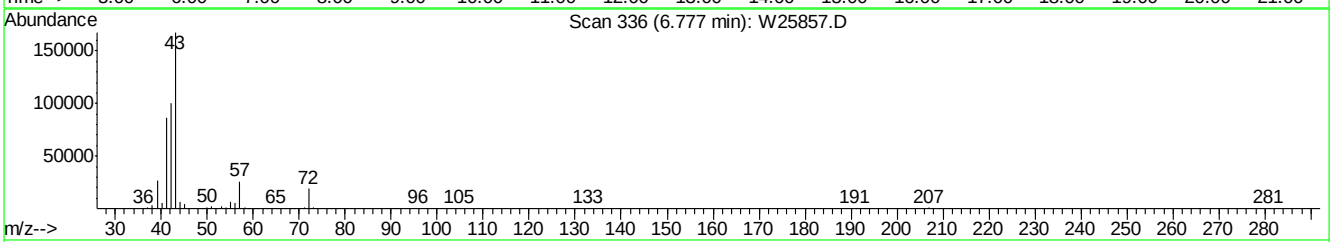
ACCUTEST Laboratories JA45062

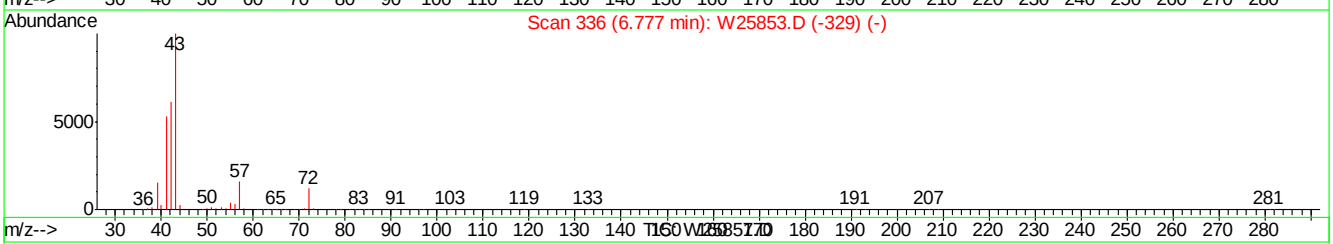
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 17.99PPBV m

response 1194283

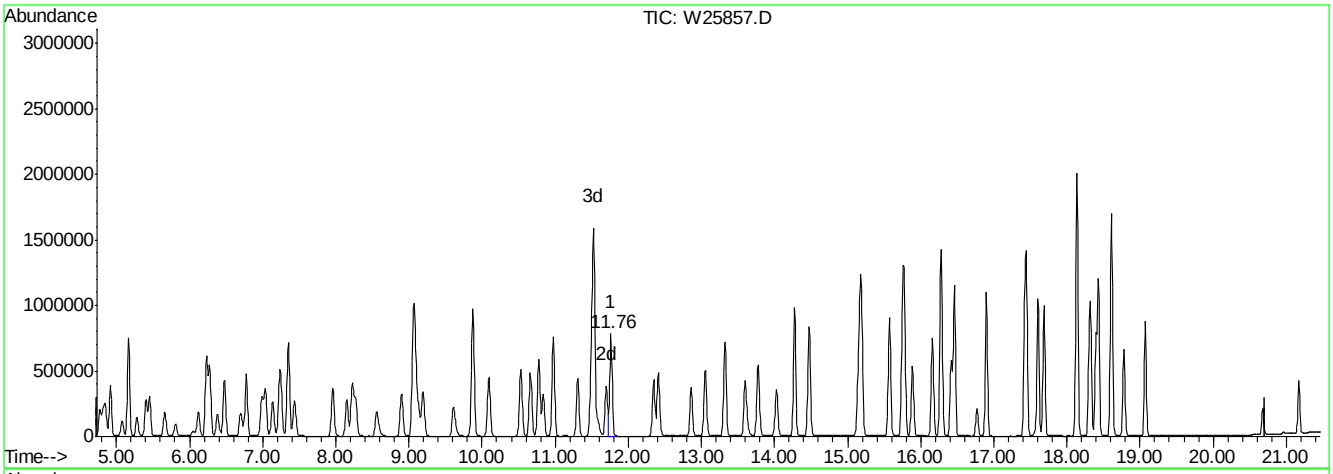
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

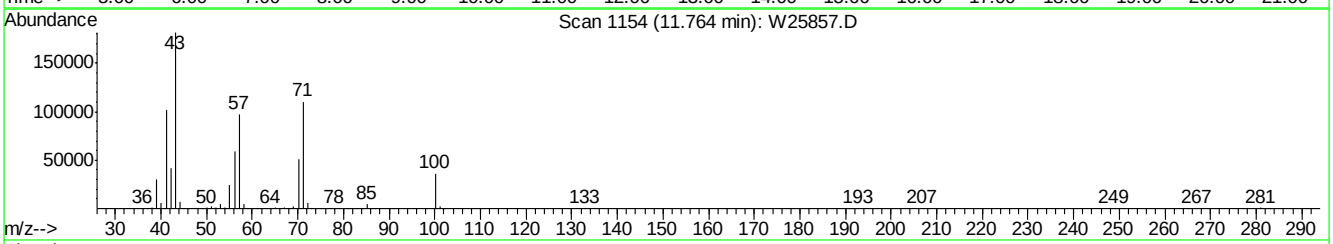
W25857.D MW1071.M Wed Apr 14 11:34:09 2010 MSW

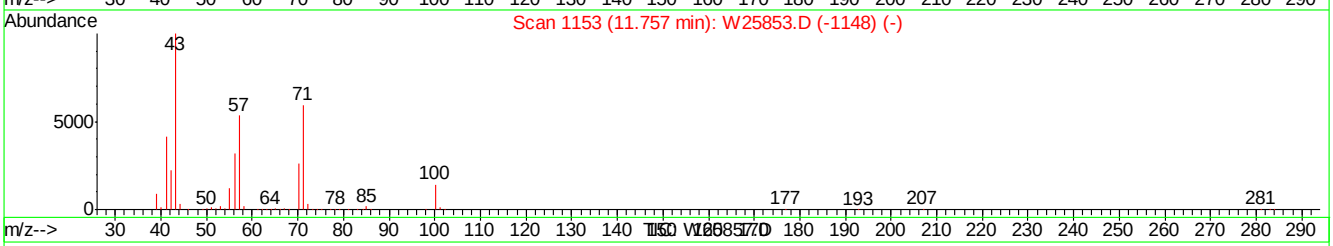
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.76min 18.56PPBV m

response 1840314

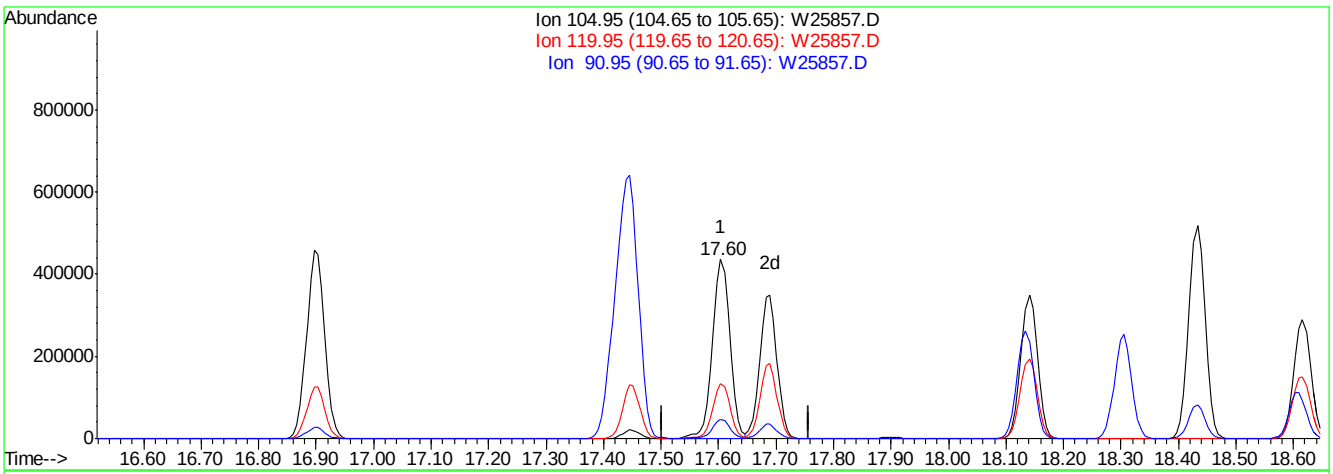
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

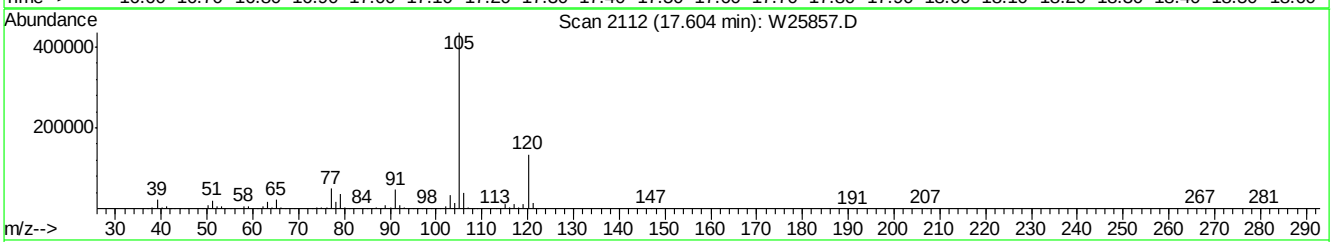
W25857.D MW1071.M Wed Apr 14 11:34:12 2010 MSW

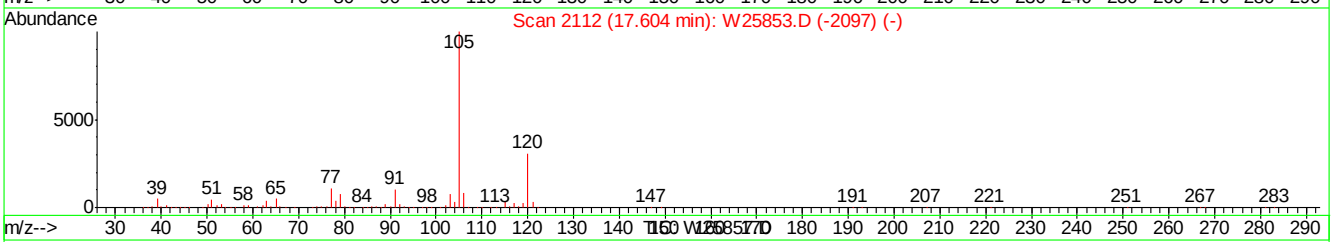
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 18.31PPBV

response 916071

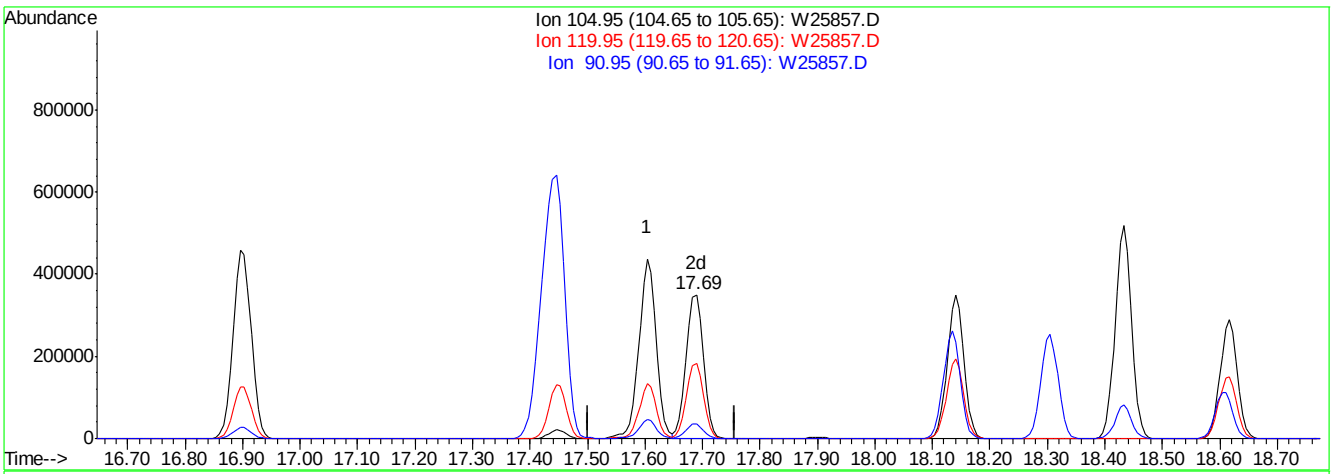
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.70
90.95	9.70	10.43
0.00	0.00	0.00

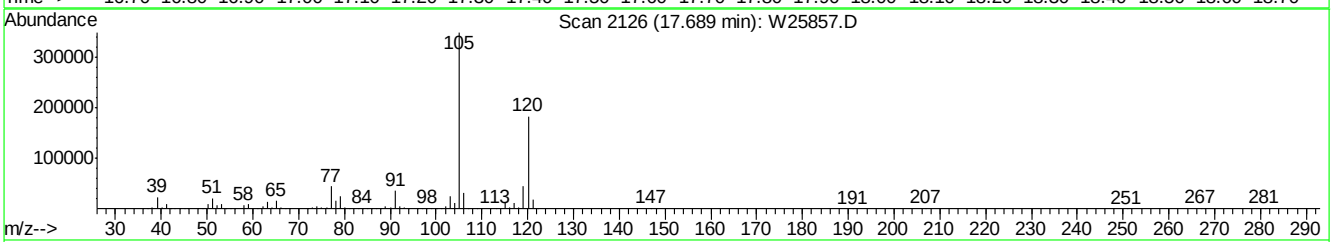
W25857.D MW1071.M Wed Apr 14 11:46:15 2010 MSW

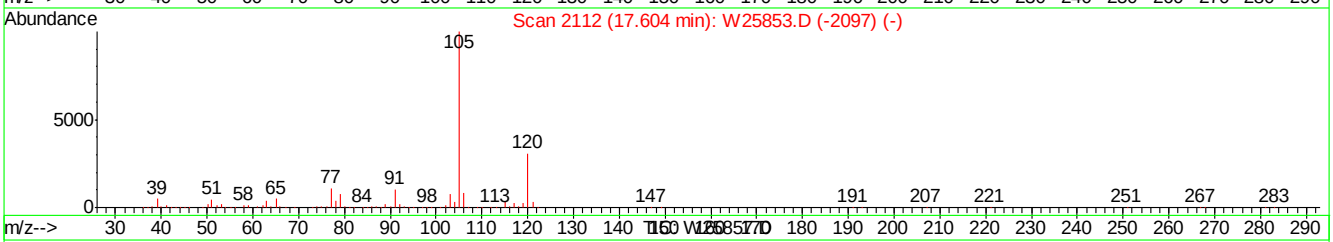
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.69min 14.59PPBV m

response 730237

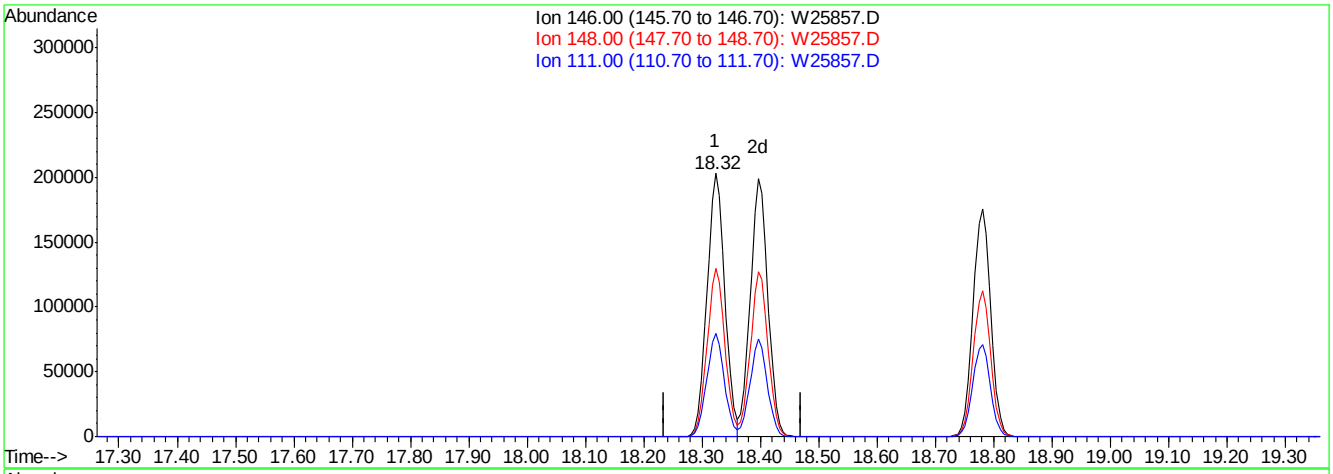
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	38.51
90.95	9.70	13.09
0.00	0.00	0.00

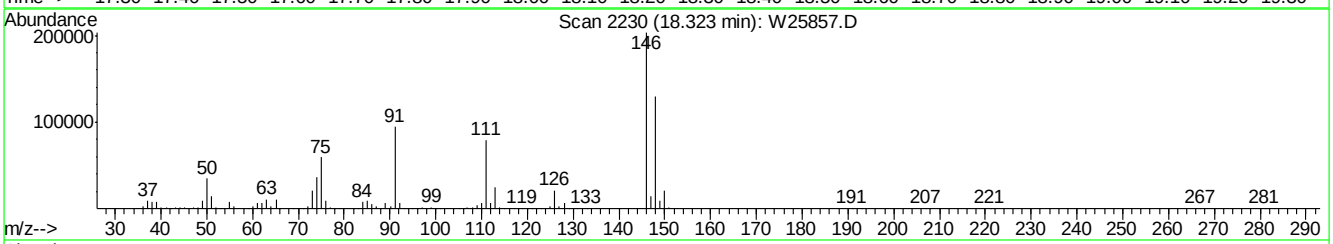
W25857.D MW1071.M Wed Apr 14 11:46:31 2010 MSW

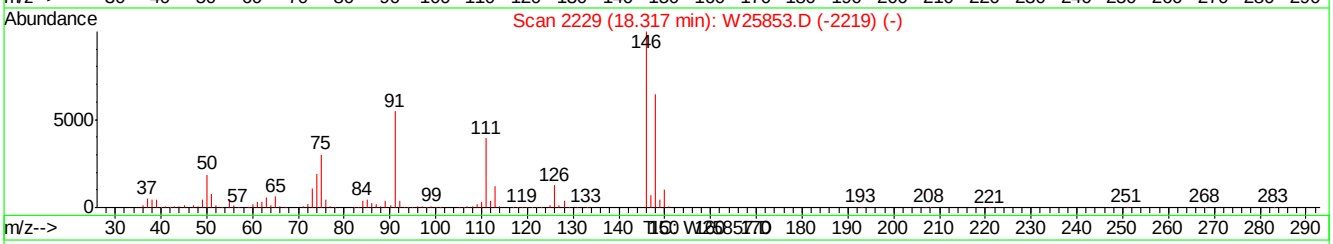
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 18.83PPBV

response 432637

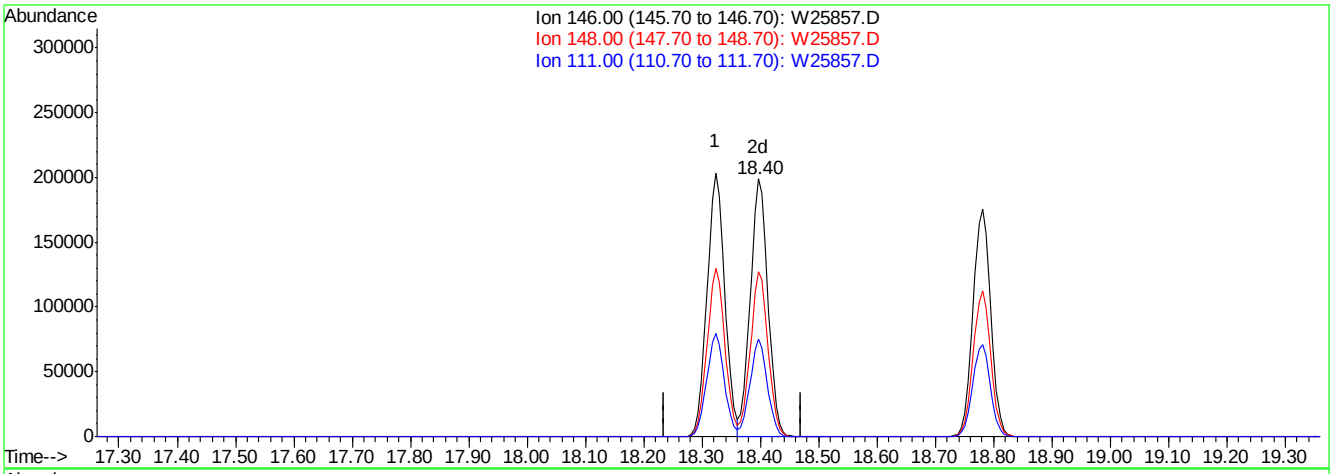
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	63.99
111.00	37.90	38.92
0.00	0.00	0.00

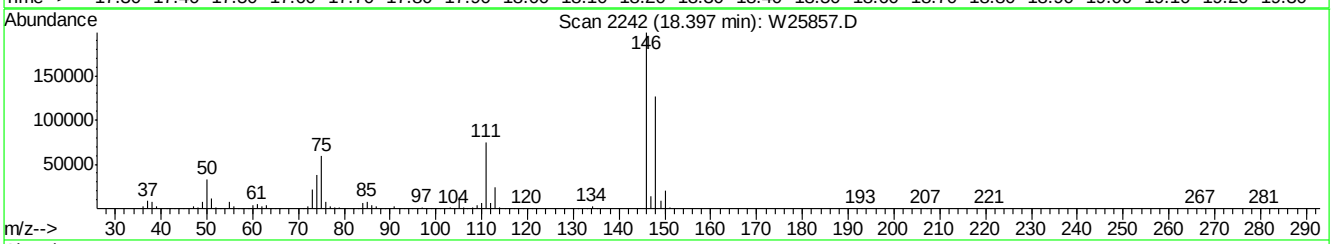
W25857.D MW1071.M Wed Apr 14 12:01:30 2010 MSW

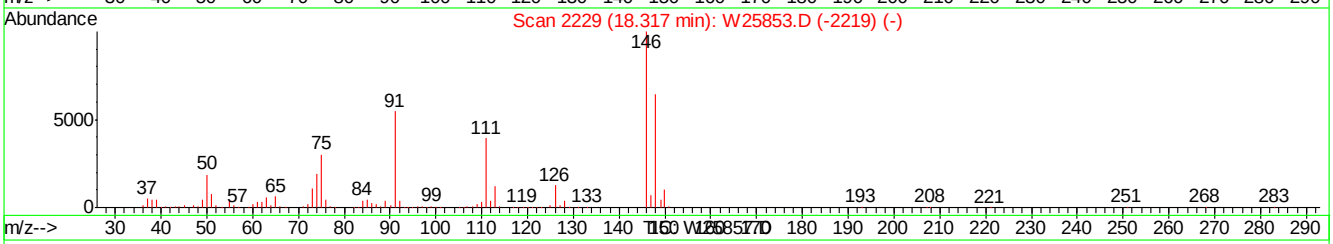
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 18.25PPBV m

response 419269

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.03
111.00	37.90	40.16
0.00	0.00	0.00

W25857.D MW1071.M Wed Apr 14 12:01:34 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	77163	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	387714	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.14	82	189240	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	189240	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	104131	4.89	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.82	67	14168	4.98	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	138866	4.89	PPBV		98
6) PROPYLENE	4.85	41	50337	4.82	PPBV		96
7) FREON 114	5.16	85	154538	4.86	PPBV		99
8) CHLOROMETHANE	5.08	52	16816	4.86	PPBV	#	85
9) VINYL CHLORIDE	5.28	62	60973	4.84	PPBV		100
10) 1,3-BUTADIENE	5.41	54	49235	4.78	PPBV	#	85
11) n-BUTANE	5.45	43	99805	4.81	PPBV		98
12) BROMOMETHANE	5.66	94	51731	4.92	PPBV		99
13) CHLOROETHANE	5.81	64	34533	4.96	PPBV		97
14) ACROLEIN	6.29	56	21797	4.76	PPBV		99
15) FREON 123	6.23	83	131765	4.95	PPBV	#	74
16) FREON 123A	6.28	117	77747	5.00	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.48	101	142088	4.96	PPBV		100
18) ISOPROPYL ALCOHOL	6.73	45	96798	4.27	PPBV	#	57
19) ACETONE	6.42	58	25062	4.52	PPBV	#	67
20) PENTANE	6.78	57	18209	4.84	PPBV	#	75
21) TVHC as EQUIV PENTANE	6.78	TIC	376219m	5.46	PPBV		
22) IODOMETHANE	6.99	142	142998	5.01	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.04	96	54469	4.94	PPBV	#	85
24) CARBON DISULFIDE	7.44	76	165684	4.91	PPBV		96
25) ETHANOL	6.11	45	23259	4.85	PPBV		91
26) BROMOETHENE	6.12	106	54733	5.01	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	48084	4.96	PPBV		87
28) 3-CHLOROPROPENE	7.25	76	28676	4.91	PPBV	#	74
29) FREON 113	7.36	151	94194	5.05	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	59813	4.93	PPBV		94
31) TERTIARY BUTYL ALCOHOL	7.25	59	121572	4.16	PPBV	#	95
32) METHYL TERTIARY BUTYL ETHE	8.24	73	149068	4.45	PPBV		95
33) TETRAHYDROFURAN	9.65	72	26299	4.48	PPBV	#	84
34) HEXANE	9.06	57	99877	4.73	PPBV		89
35) VINYL ACETATE	8.28	86	14958	4.54	PPBV	#	58
36) 1,1-DICHLOROETHANE	8.15	63	106197	4.77	PPBV		100
37) METHYL ETHYL KETONE	8.58	72	26313	4.38	PPBV	#	80
38) cis-1,2-DICHLOROETHYLENE	8.90	96	59738	4.90	PPBV		94
39) DI-ISOPROPYL ETHER	9.08	45	195214	4.35	PPBV		97
40) ETHYL ACETATE	9.14	61	17164	4.39	PPBV	#	77
41) CHLOROFORM	9.18	83	112104	4.82	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.88	57	120406	4.70	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	113806	4.82	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	120204	4.92	PPBV		100
45)	1,2-DICHLOROETHANE	9.86	62	71224	4.67	PPBV		99
47)	BENZENE	10.53	78	177907	4.76	PPBV		98
48)	CYCLOHEXANE	10.78	84	88198	4.89	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.98	71	45914	4.76	PPBV		92
50)	TRICHLOROETHYLENE	11.52	95	75283	4.87	PPBV		96
51)	1,2-DICHLOROPROPANE	11.31	63	64396	4.70	PPBV		97
52)	BROMODICHLOROMETHANE	11.49	83	122807	4.77	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	308043	4.56	PPBV		99
54)	1,4-DIOXANE	11.62	88	37907	4.69	PPBV		95
55)	METHYL METHACRYLATE	11.71	69	57317	4.37	PPBV	#	78
56)	HEPTANE	11.76	43	115978	4.60	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.76	TIC	537497m	5.07	PPBV		
58)	METHYL ISOBUTYL KETONE	12.42	43	120622	4.22	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.35	75	99996	4.65	PPBV		89
60)	TOLUENE	13.32	92	125694	4.72	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	83234	4.57	PPBV		90
62)	1,1,2-TRICHLOROETHANE	13.05	83	56272	4.73	PPBV		100
64)	2-HEXANONE	13.62	43	104056	4.04	PPBV		90
65)	TETRACHLOROETHYLENE	14.48	164	82461	5.25	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.77	129	118062	5.06	PPBV		99
67)	1,2-DIBROMOETHANE	14.03	107	96438	4.94	PPBV		99
68)	OCTANE	14.28	43	151840	4.87	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	86032	5.14	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	158712	5.09	PPBV		100
71)	ETHYLBENZENE	15.57	91	256055	4.95	PPBV		100
72)	m,p-XYLENE	15.76	106	200330	9.94	PPBV		97
73)	o-XYLENE	16.27	106	94780	4.95	PPBV		99
74)	STYRENE	16.16	104	141416	4.75	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	92037	4.73	PPBV		98
76)	NONANE	16.46	43	140101	4.69	PPBV		93
77)	BROMOFORM	15.88	173	105249	5.05	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	112175	4.72	PPBV		99
80)	ISOPROPYLBENZENE	16.90	105	268504	4.91	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	62422	4.97	PPBV	#	92
82)	n-PROPYLBENZENE	17.45	120	70361	4.80	PPBV		99
83)	4-ETHYLTOLUENE	17.60	105	233818	4.76	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	186672m	3.78	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	49297	4.81	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	174949	4.62	PPBV		95
87)	m-DICHLOROBENZENE	18.32	146	105372	4.64	PPBV		99
88)	BENZYL CHLORIDE	18.30	91	109427	3.98	PPBV		98
89)	p-DICHLOROBENZENE	18.40	146	98716m	4.35	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	55348	4.70	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	52075	4.51	PPBV		99
92)	o-DICHLOROBENZENE	18.77	146	87560	4.59	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	36772	3.95	PPBV		90
94)	HEXACHLOROBUTADIENE	21.18	225	20941	3.78	PPBV		98
95)	1,2,4-TRICHLOROBENZENE	20.68	180	16805	3.78	PPBV		90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

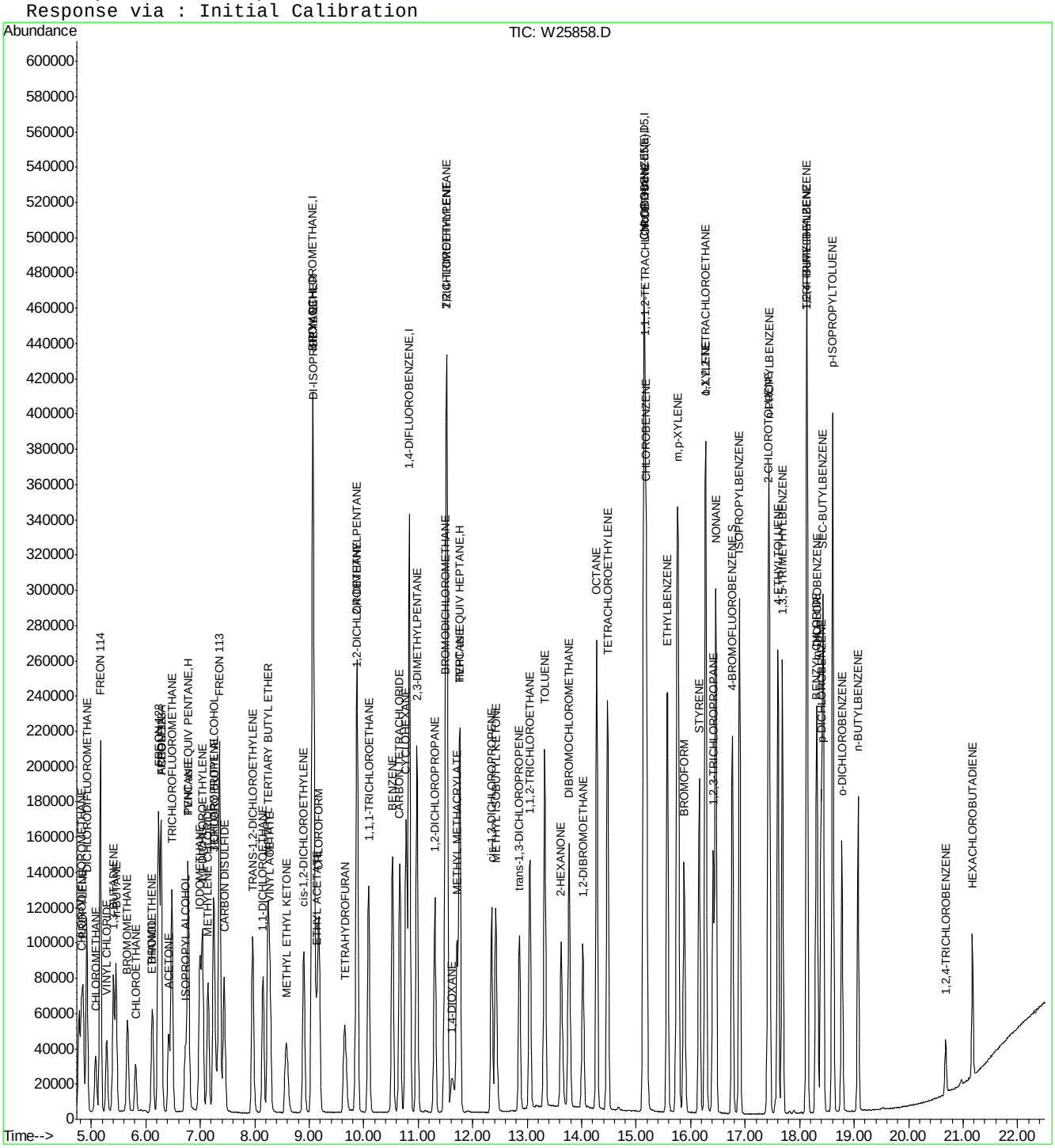
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

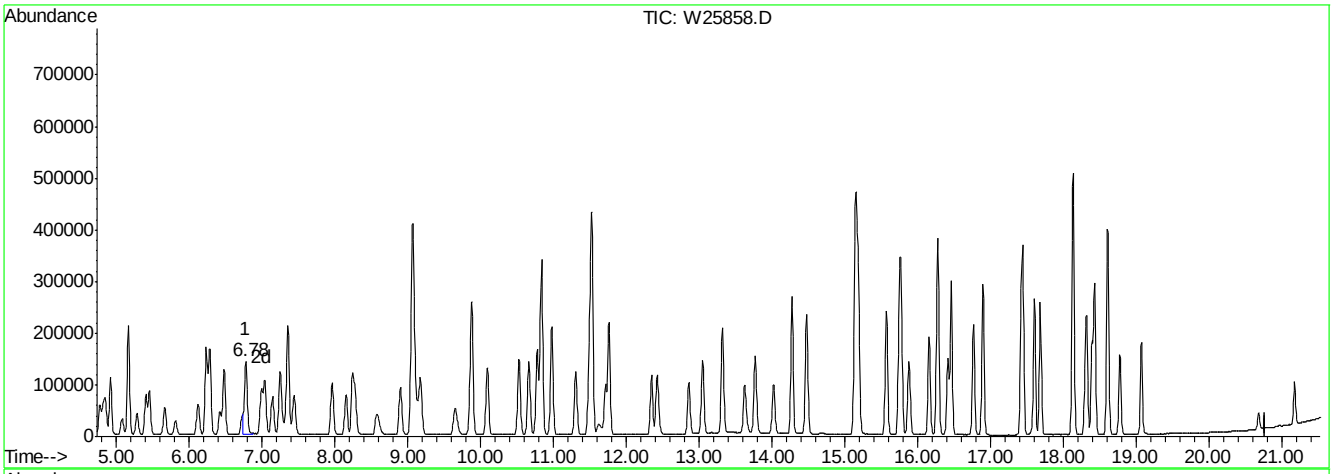


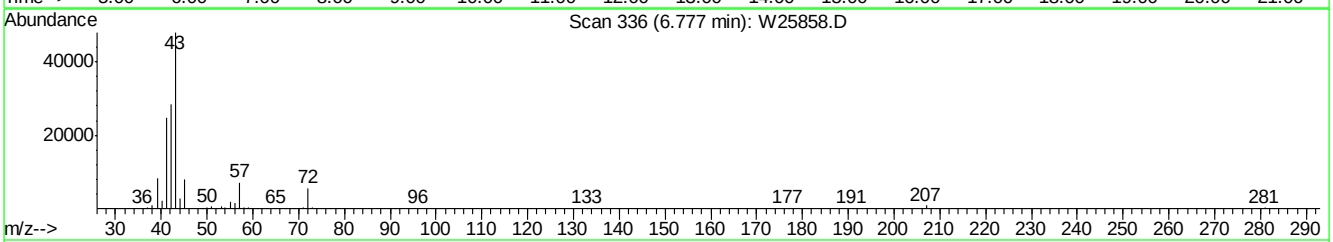
ACCUTEST. JA45062 Laboratories

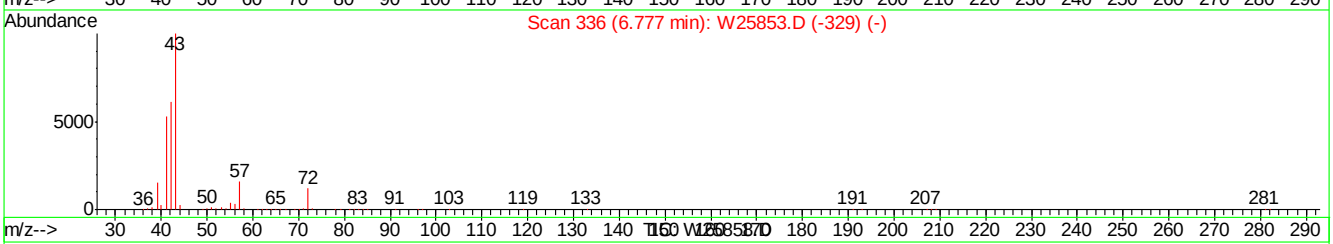
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 5.46PPBV m

response 376219

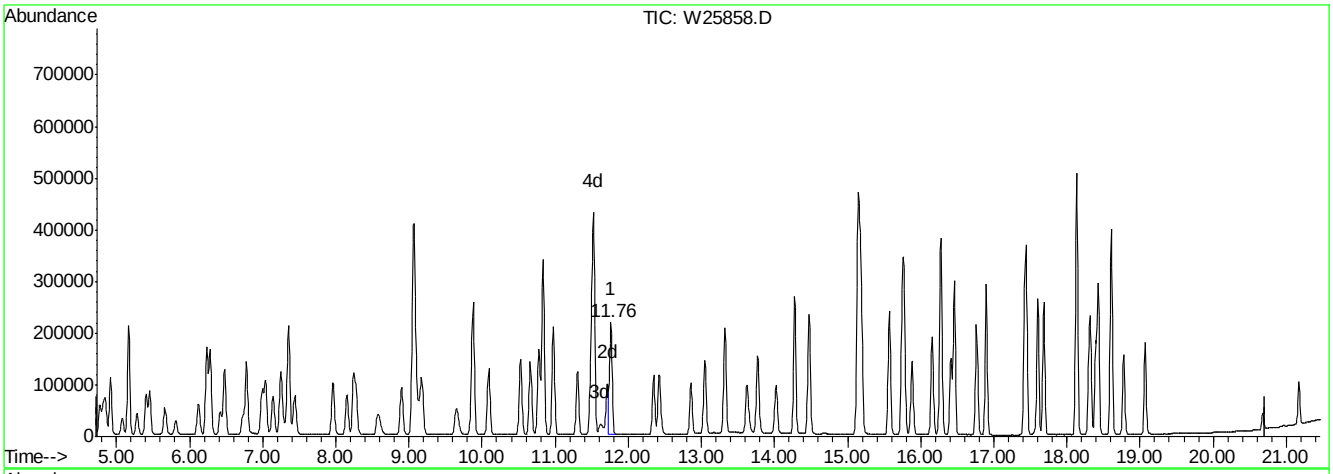
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25858.D MW1071.M Wed Apr 14 11:34:20 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.76min 5.07PPBV m

response 537497

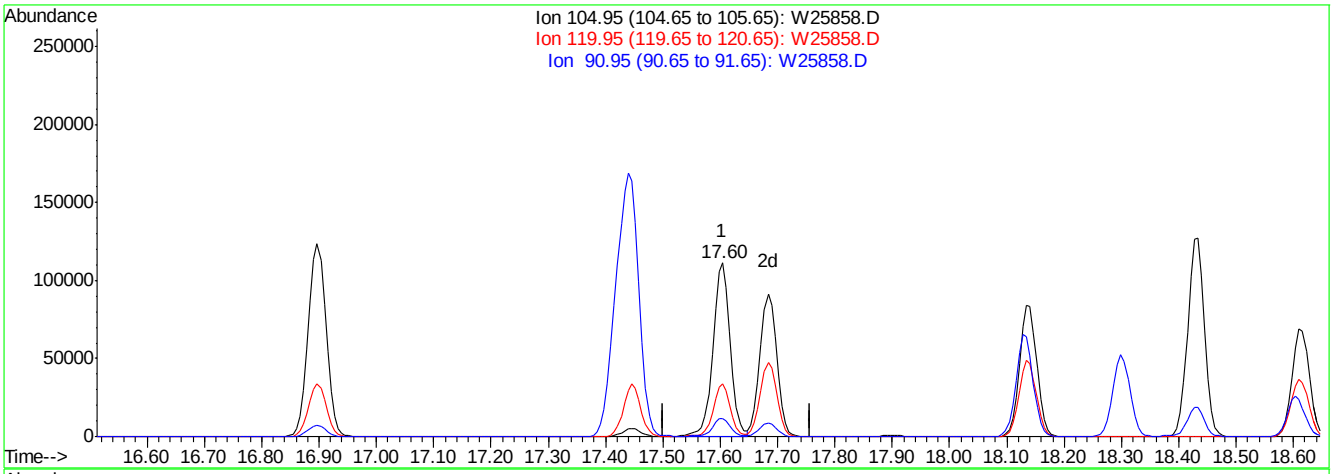
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

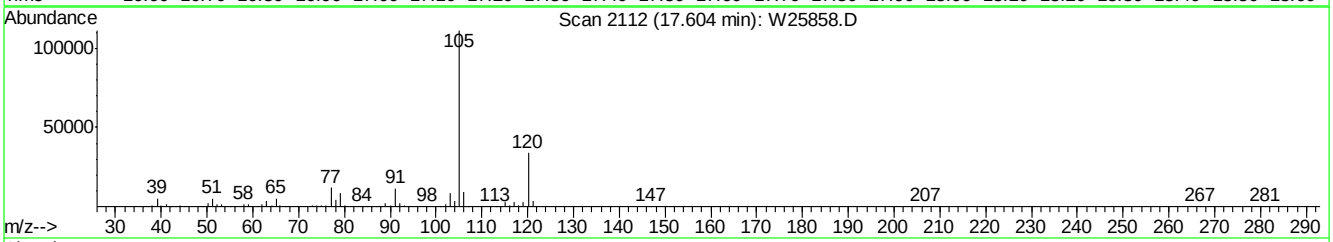
W25858.D MW1071.M Wed Apr 14 11:34:24 2010 MSW

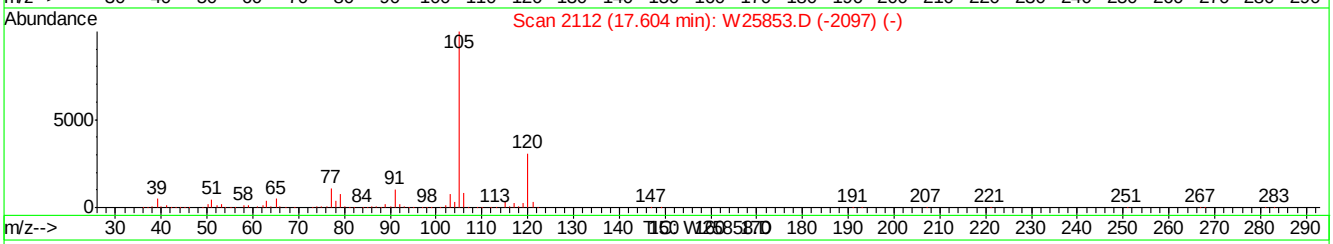
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 4.76PPBV

response 235043

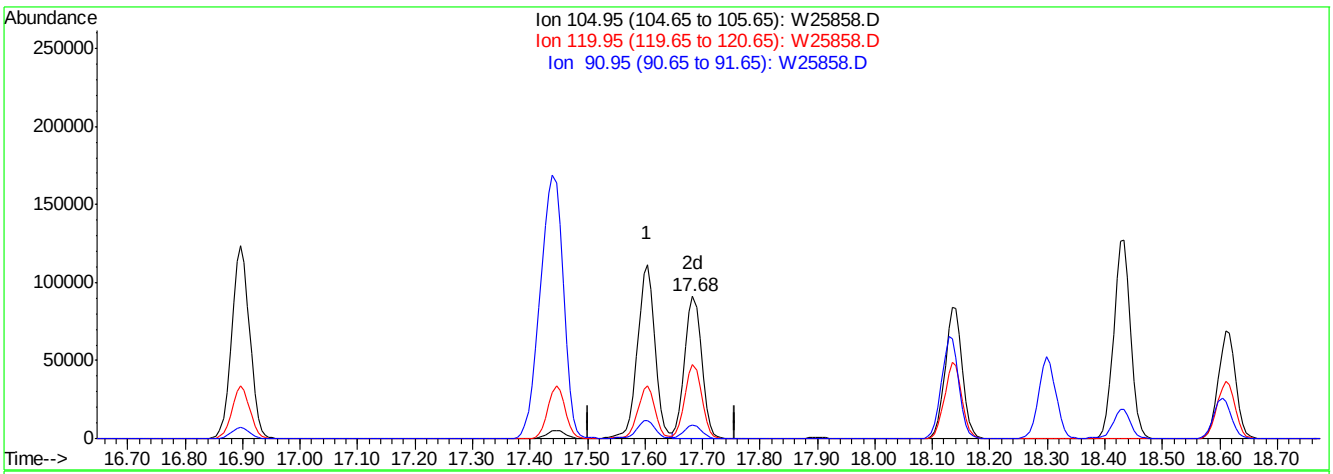
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.16
90.95	9.70	10.19
0.00	0.00	0.00

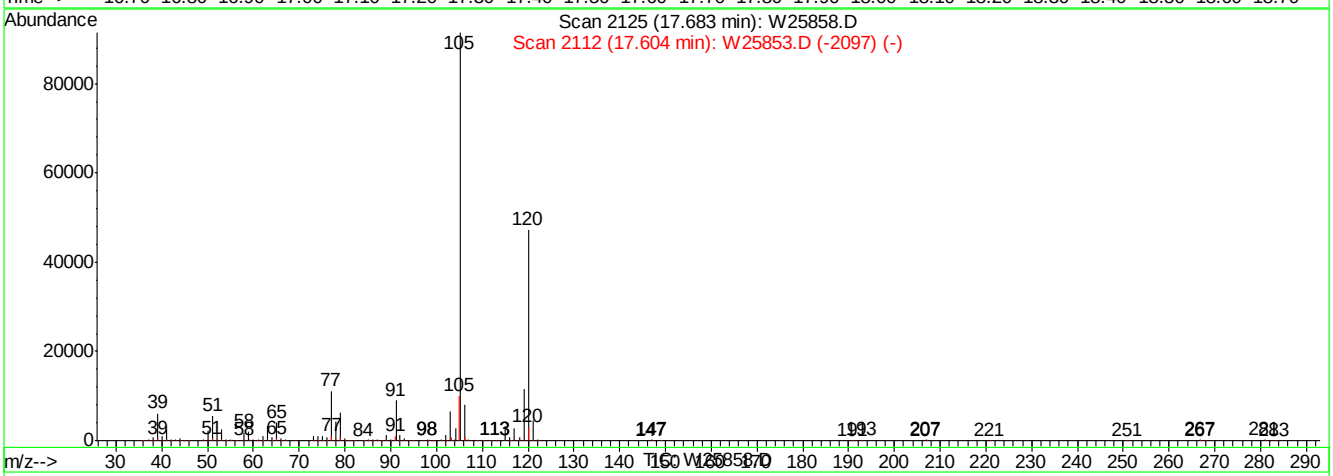
W25858.D MW1071.M Wed Apr 14 11:46:39 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 3.78PPBV m

response 186672

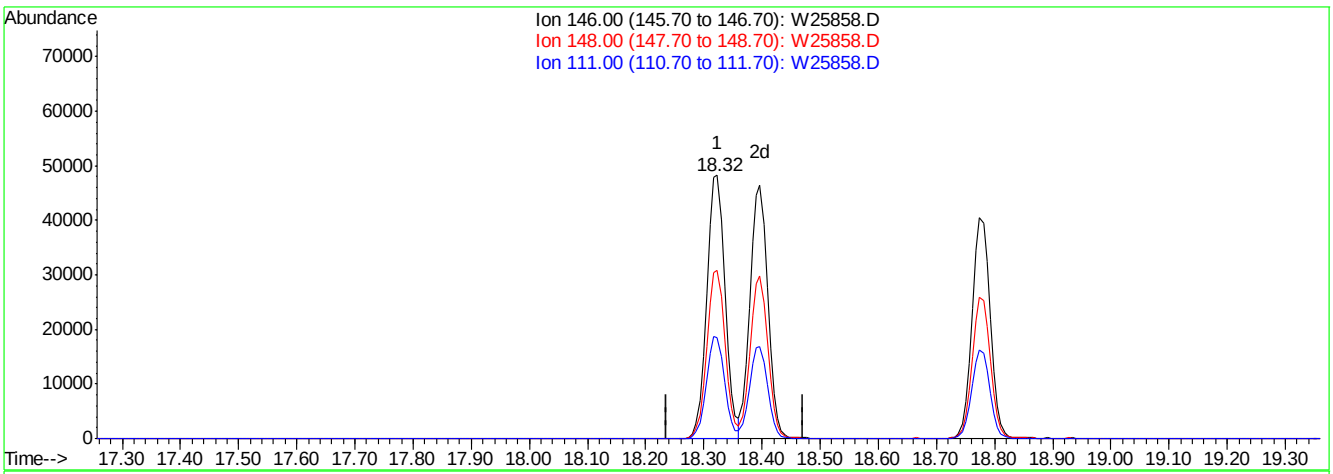
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	37.98
90.95	9.70	12.83
0.00	0.00	0.00

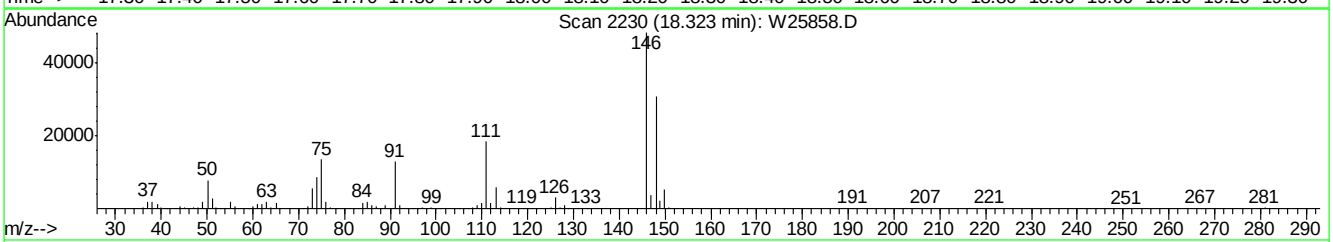
W25858.D MW1071.M Wed Apr 14 11:46:46 2010 MSW

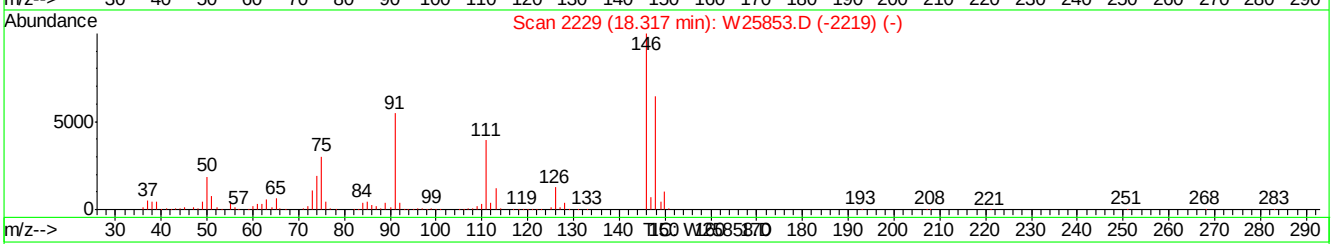
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 4.64PPBV

response 105372

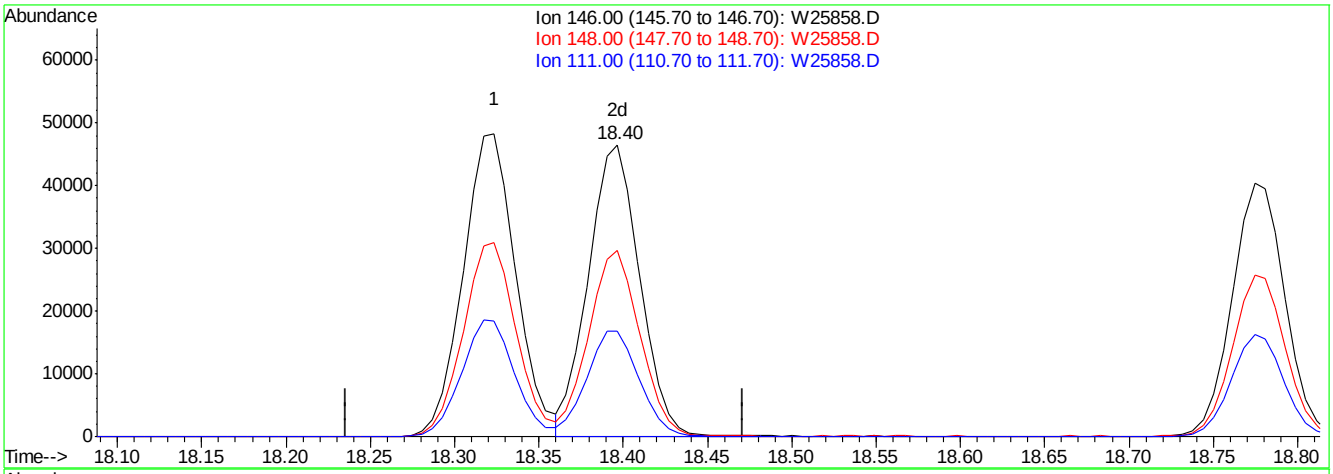
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	64.31
111.00	37.90	38.75
0.00	0.00	0.00

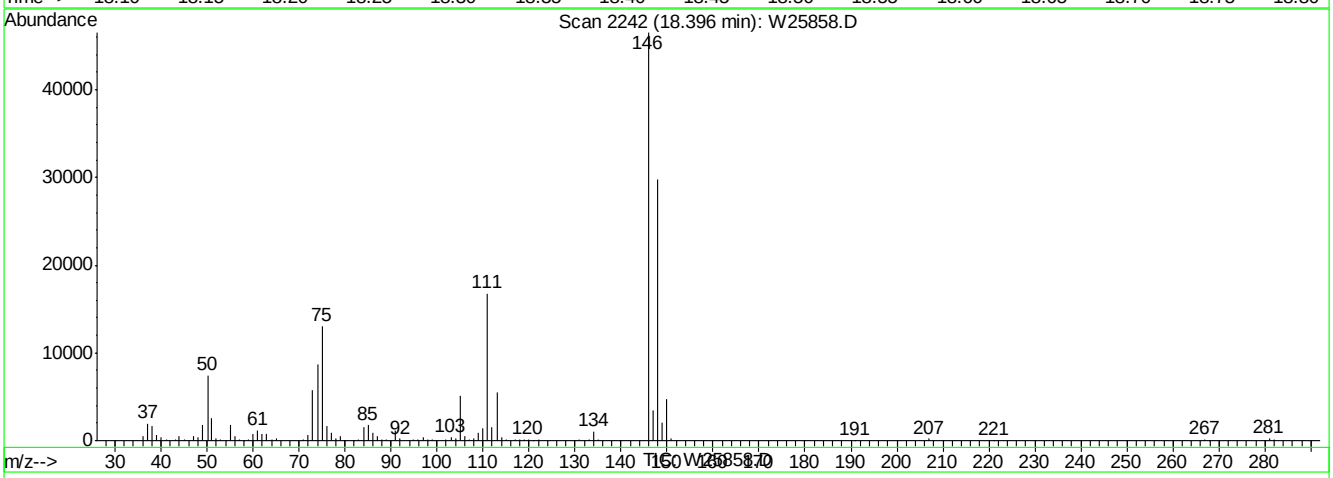
W25858.D MW1071.M Wed Apr 14 12:01:41 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\OLD_W\VW1071\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:01:05 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.40min 4.35PPBV m

response 98716

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	68.64
111.00	37.90	41.36
0.00	0.00	0.00

W25858.D MW1071.M Fri Apr 16 11:09:10 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:00 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	73271	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.81	114	364124	10.00	PPBV		-0.02
63) CHLOROBENZENE-D5	15.14	82	166355	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	166526	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	82322	4.40	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 88.00%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	4.92	85	2759	0.10	PPBV		97
6) PROPYLENE	4.85	41	1111	0.11	PPBV		97
7) FREON 114	5.16	85	2993	0.10	PPBV		98
8) CHLOROMETHANE	5.09	52	326	0.10	PPBV		92
9) VINYL CHLORIDE	5.28	62	1094	0.09	PPBV		97
10) 1,3-BUTADIENE	5.42	54	980	0.10	PPBV	#	60
11) n-BUTANE	5.45	43	2101	0.11	PPBV	#	92
12) BROMOMETHANE	5.67	94	997	0.10	PPBV		84
13) CHLOROETHANE	5.82	64	634	0.10	PPBV		94
14) ACROLEIN	6.30	56	489	0.11	PPBV		93
15) FREON 123	6.24	83	2577	0.10	PPBV	#	77
16) FREON 123A	6.28	117	1562	0.11	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.48	101	2654	0.10	PPBV		92
18) ISOPROPYL ALCOHOL	6.92	45	2346m	0.11	PPBV		
21) TVHC as EQUIV PENTANE	6.78	TIC	7319m	0.11	PPBV		
22) IODOMETHANE	7.00	142	2742	0.10	PPBV		100
23) 1,1-DICHLOROETHYLENE	7.05	96	1208	0.12	PPBV		100
24) CARBON DISULFIDE	7.44	76	3466	0.11	PPBV	#	70
26) BROMOETHENE	6.13	106	988	0.10	PPBV	#	96
28) 3-CHLOROPROPENE	7.26	76	550	0.10	PPBV	#	69
29) FREON 113	7.35	151	1790	0.10	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	7.97	96	1353	0.12	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.47	59	2543m	0.09	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.25	73	2921	0.09	PPBV		93
33) TETRAHYDROFURAN	9.79	72	454	0.08	PPBV	#	68
34) HEXANE	9.05	57	1981	0.10	PPBV	#	74
35) VINYL ACETATE	8.28	86	234	0.07	PPBV	#	1
36) 1,1-DICHLOROETHANE	8.15	63	2110	0.10	PPBV		99
37) METHYL ETHYL KETONE	8.59	72	402	0.07	PPBV	#	57
38) cis-1,2-DICHLOROETHYLENE	8.89	96	1465	0.13	PPBV		87
39) DI-ISOPROPYL ETHER	9.09	45	3652	0.09	PPBV		98
40) ETHYL ACETATE	9.15	61	287	0.08	PPBV	#	43
41) CHLOROFORM	9.15	83	2266	0.10	PPBV		94
42) 2,4-DIMETHYLPENTANE	9.86	57	2275	0.09	PPBV		94
43) 1,1,1-TRICHLOROETHANE	10.08	97	2285	0.10	PPBV		95
44) CARBON TETRACHLORIDE	10.65	117	2273	0.10	PPBV		96
45) 1,2-DICHLOROETHANE	9.86	62	1451	0.10	PPBV		96
47) BENZENE	10.52	78	3656	0.10	PPBV		97
48) CYCLOHEXANE	10.77	84	1958	0.12	PPBV	#	4
49) 2,3-DIMETHYLPENTANE	10.96	71	841	0.09	PPBV	#	80

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:00 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

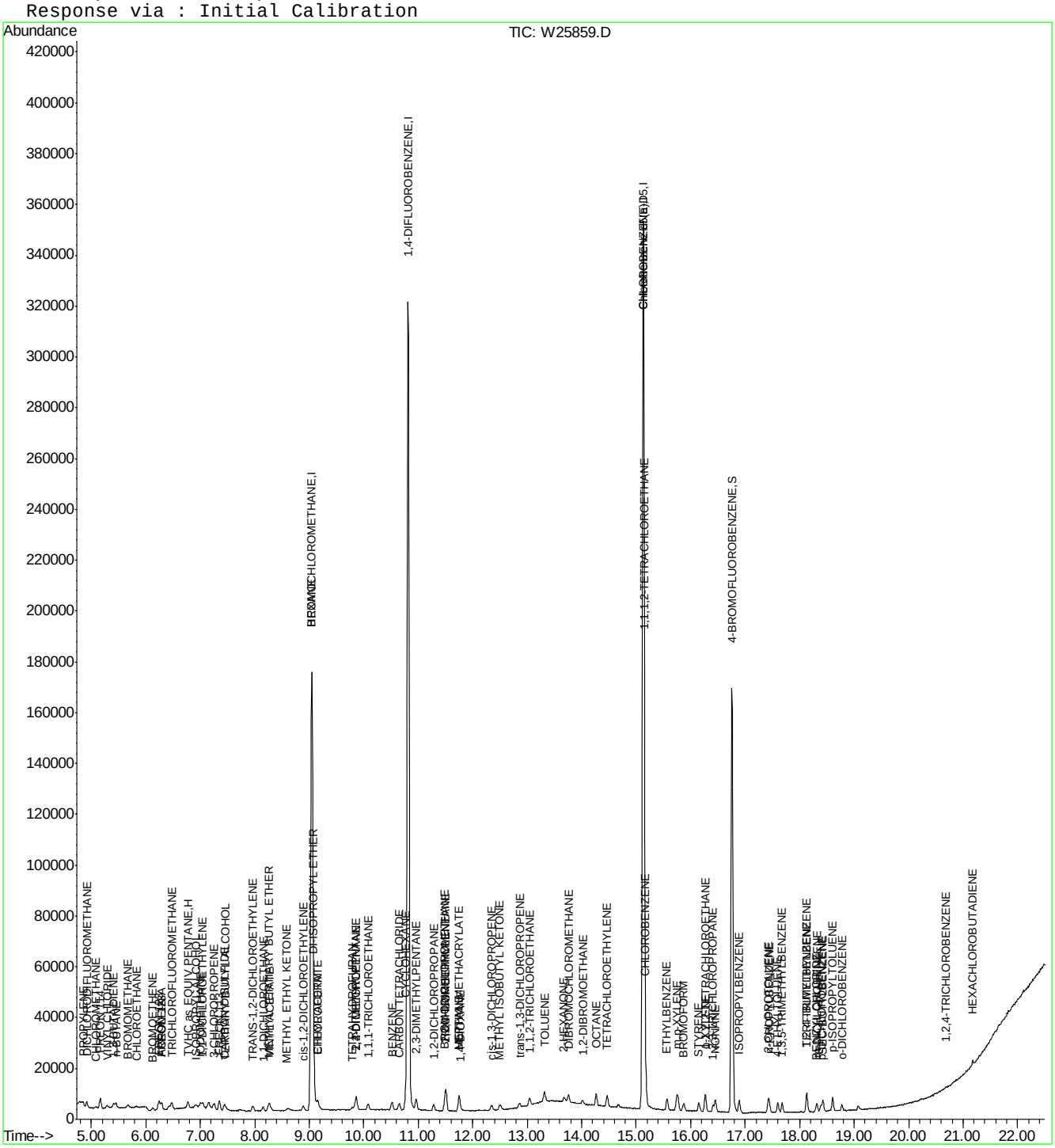
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	TRICHLOROETHYLENE	11.50	95	1527	0.11	PPBV		99
51)	1,2-DICHLOROPROPANE	11.28	63	1287	0.10	PPBV		97
52)	BROMODICHLOROMETHANE	11.48	83	2411	0.10	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	5970	0.09	PPBV		98
54)	1,4-DIOXANE	11.79	88	818	0.11	PPBV	#	57
55)	METHYL METHACRYLATE	11.76	69	1096	0.09	PPBV	#	1
56)	HEPTANE	11.75	43	2927	0.12	PPBV	#	75
58)	METHYL ISOBUTYL KETONE	12.50	43	2531	0.09	PPBV		85
59)	cis-1,3-DICHLOROPROPENE	12.35	75	2005	0.10	PPBV	#	80
60)	TOLUENE	13.31	92	2560	0.10	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	1636	0.10	PPBV	#	77
62)	1,1,2-TRICHLOROETHANE	13.04	83	1098	0.10	PPBV		98
64)	2-HEXANONE	13.68	43	2419	0.11	PPBV		85
65)	TETRACHLOROETHYLENE	14.47	164	1610	0.12	PPBV		93
66)	DIBROMOCHLOROMETHANE	13.76	129	2200	0.11	PPBV		99
67)	1,2-DIBROMOETHANE	14.01	107	1832	0.11	PPBV	#	98
68)	OCTANE	14.27	43	2748	0.10	PPBV		89
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	1655	0.11	PPBV	#	95
70)	CHLOROBENZENE	15.18	112	3277	0.12	PPBV		91
71)	ETHYLBENZENE	15.57	91	4837	0.11	PPBV		99
72)	m,p-XYLENE	15.76	106	3661	0.21	PPBV		90
73)	o-XYLENE	16.27	106	1718	0.10	PPBV		97
74)	STYRENE	16.15	104	2432	0.09	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	1962	0.11	PPBV		90
76)	NONANE	16.45	43	2282	0.09	PPBV		92
77)	BROMOFORM	15.87	173	2120	0.12	PPBV		97
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	1993	0.10	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	4689	0.10	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	1066	0.10	PPBV	#	90
82)	n-PROPYLBENZENE	17.45	120	1064	0.08	PPBV		78
83)	4-ETHYLTOLUENE	17.60	105	3436	0.08	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	3029m	0.07	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	730	0.08	PPBV		82
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	2624	0.08	PPBV		89
87)	m-DICHLOROBENZENE	18.32	146	1731	0.09	PPBV		96
88)	BENZYL CHLORIDE	18.30	91	1745	0.07	PPBV		90
89)	p-DICHLOROBENZENE	18.39	146	1622m	0.08	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	758	0.07	PPBV	#	85
91)	p-ISOPROPYLTOLUENE	18.60	134	654	0.06	PPBV	#	74
92)	o-DICHLOROBENZENE	18.77	146	1549	0.09	PPBV		83
94)	HEXACHLOROBUTADIENE	21.18	225	461	0.09	PPBV		95
95)	1,2,4-TRICHLOROBENZENE	20.68	180	390	0.10	PPBV	#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

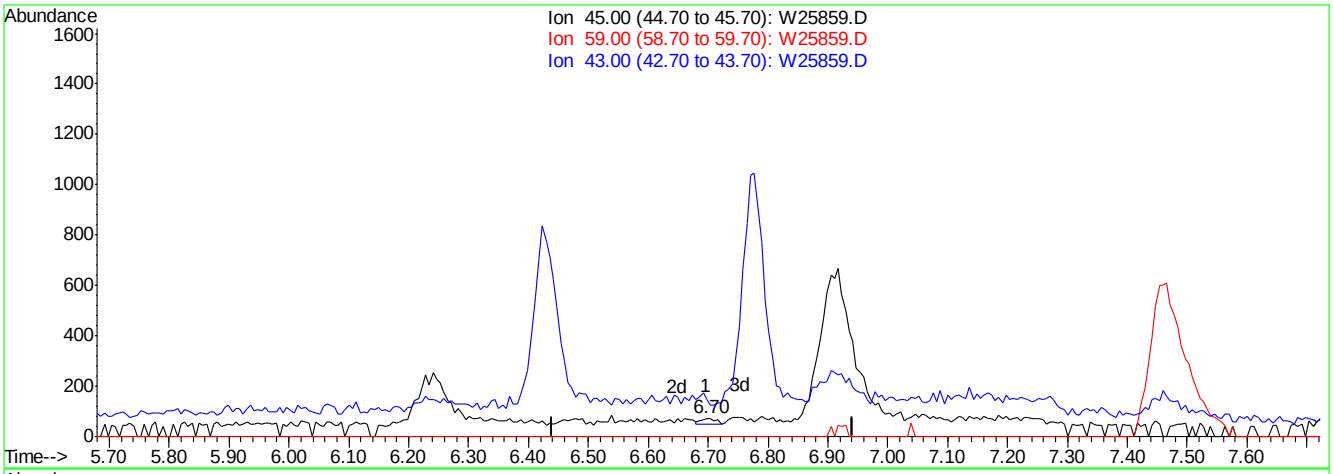


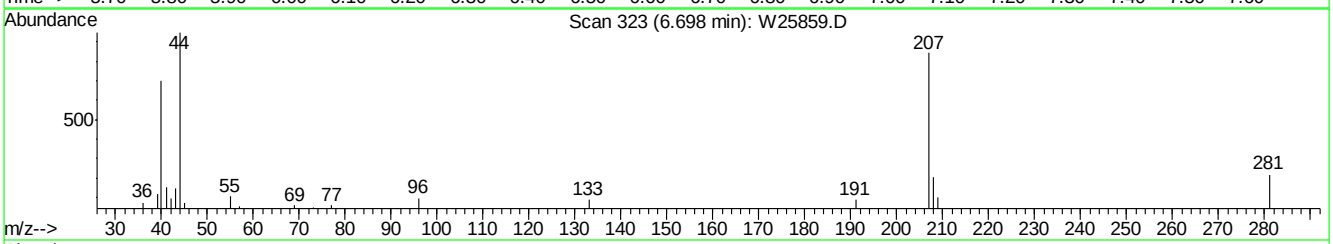
ACCUTEST Laboratories JA45062

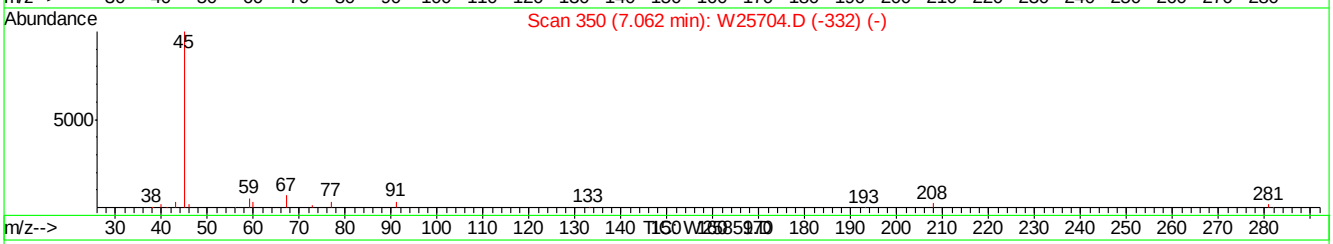
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Single Level Calibration







(18) ISOPROPYL ALCOHOL

6.70min 0.00PPBV

response 40

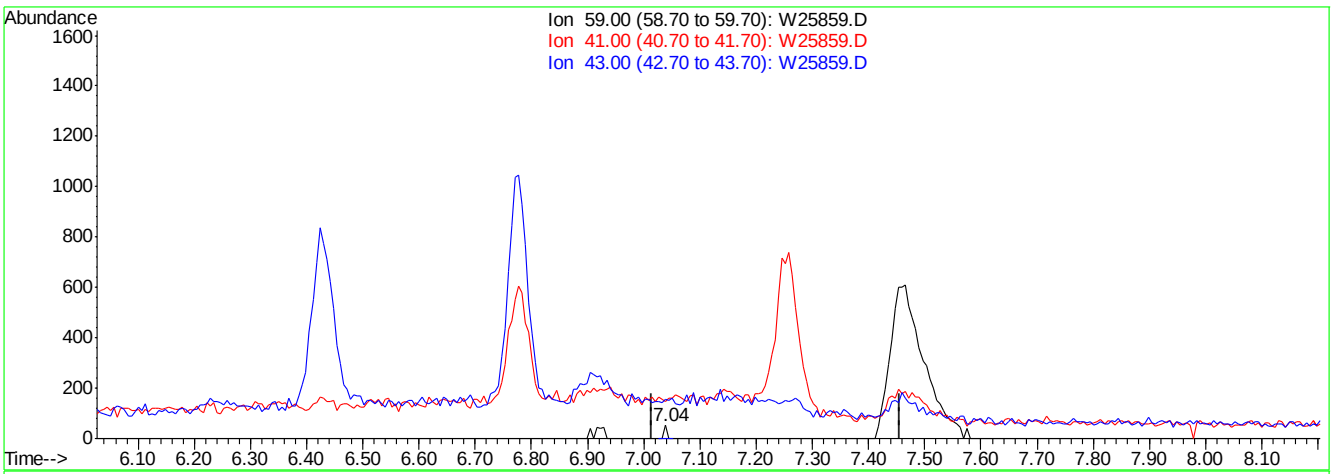
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	53.90	204.11#
0.00	0.00	0.00

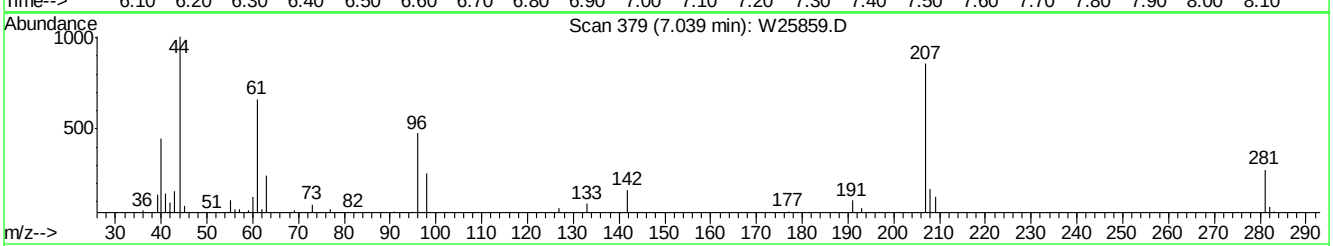
W25859.D MW1071.M Tue Apr 13 10:21:42 2010 MSW

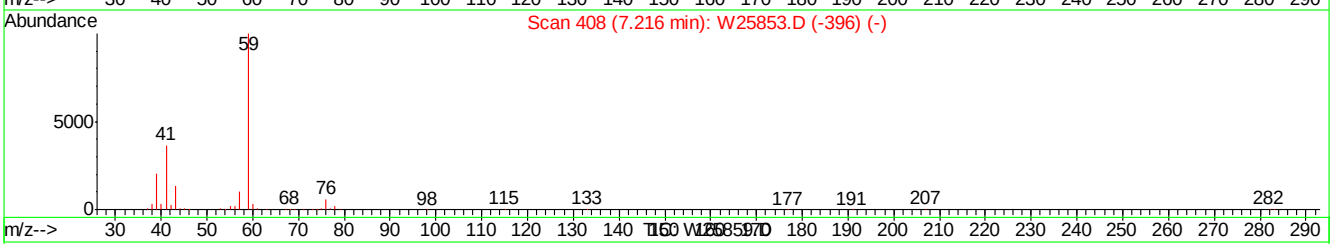
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.04min 0.00PPBV

response 19

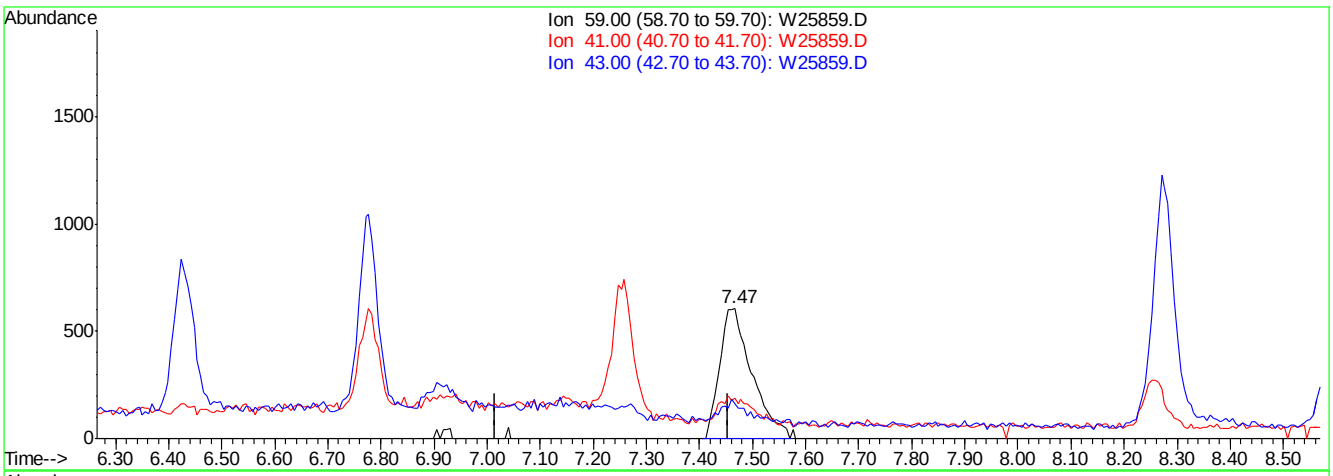
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	163.16#
0.00	0.00	0.00

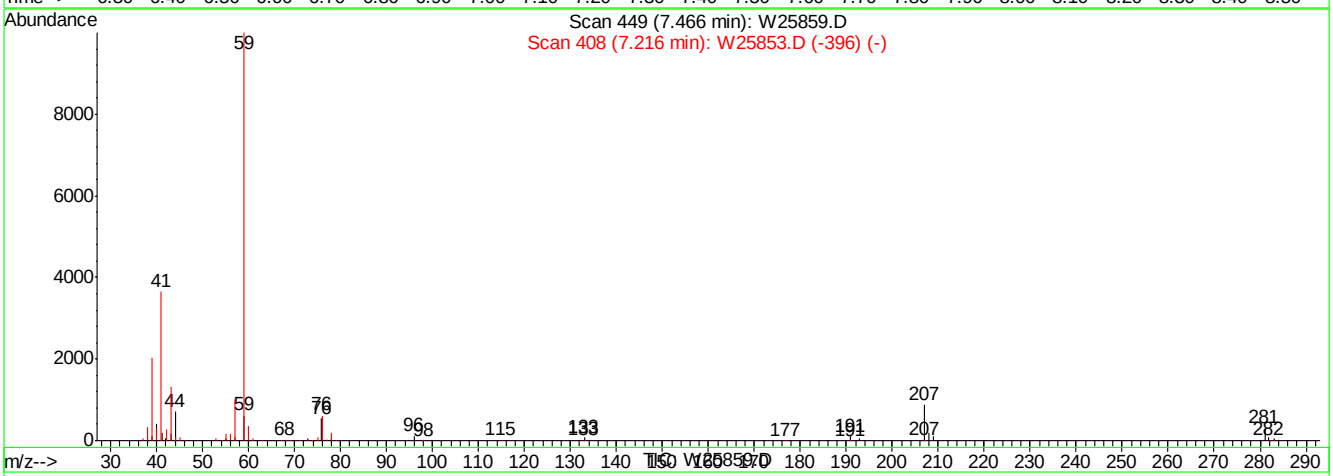
W25859.D MW1071.M Tue Apr 13 10:22:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration





(31) TERTIARY BUTYL ALCOHOL

7.47min 0.09PPBV m

response 2543

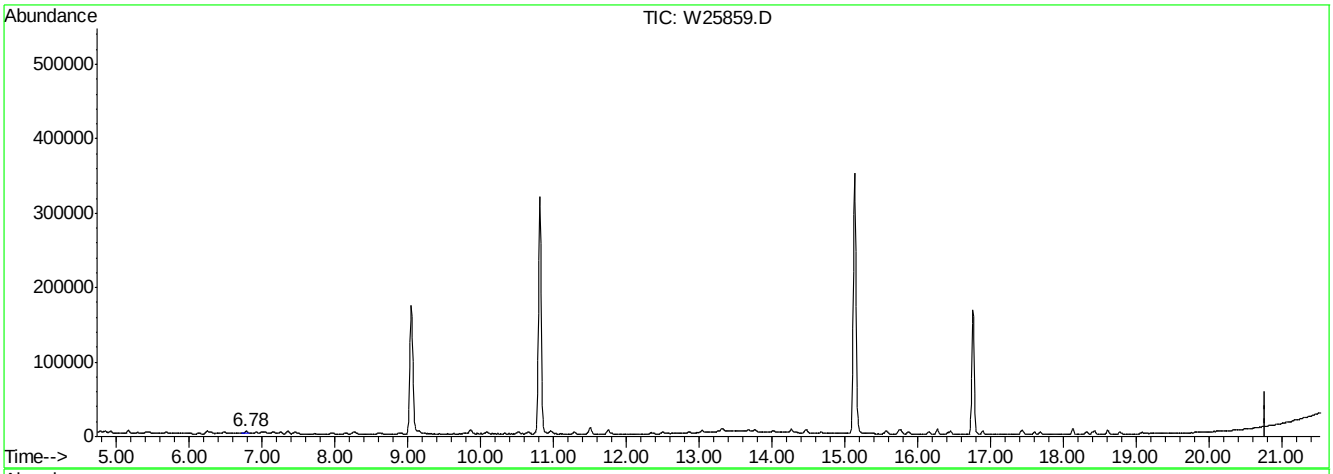
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	1.22
0.00	0.00	0.00

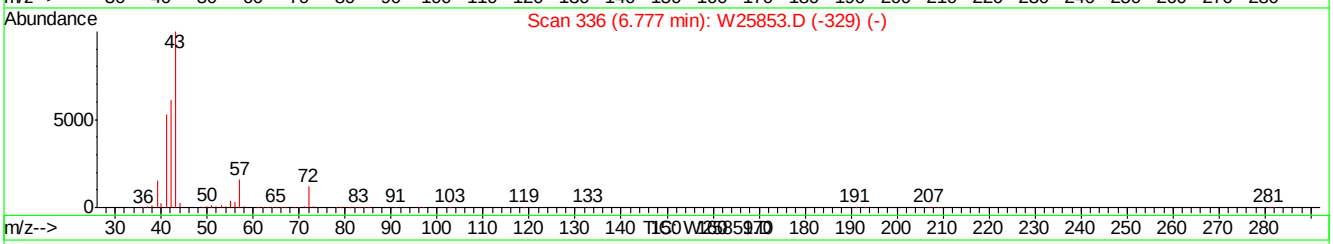
W25859.D MW1071.M Tue Apr 13 10:22:59 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.78min 0.11PPBV m

response 7319

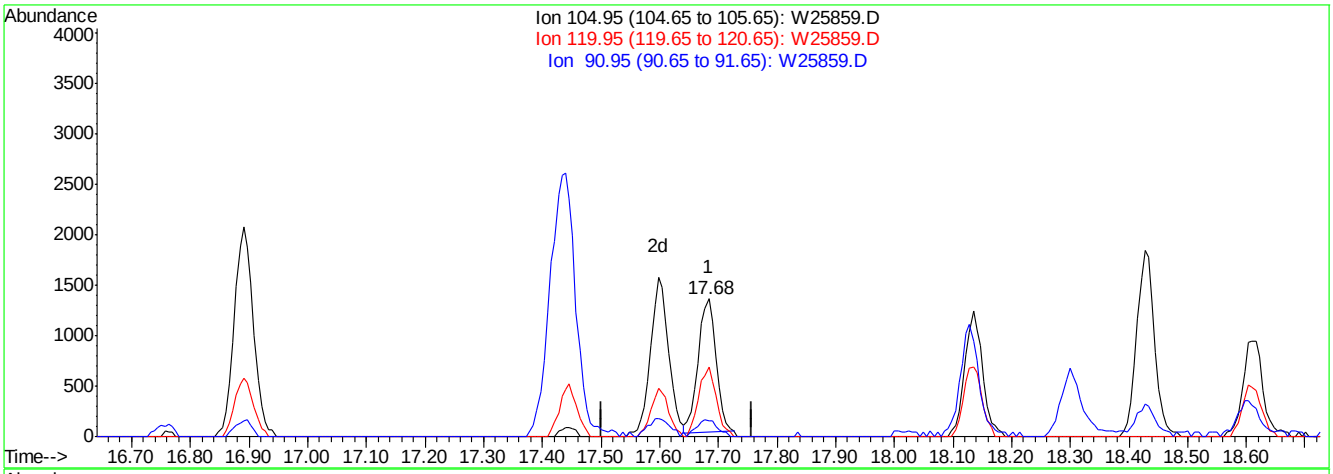
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

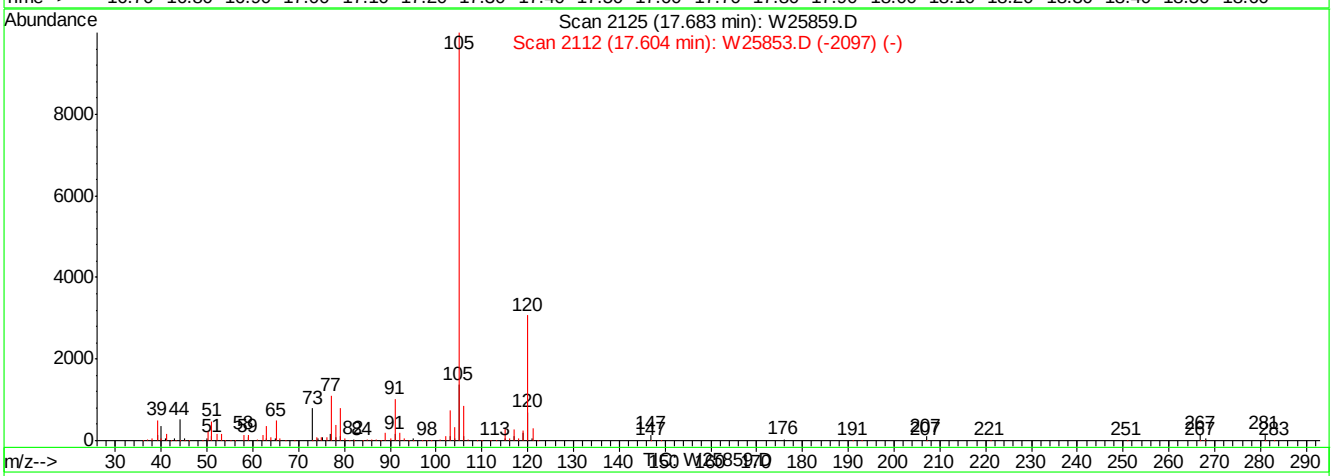
W25859.D MW1071.M Wed Apr 14 11:34:34 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.06PPBV

response 2799

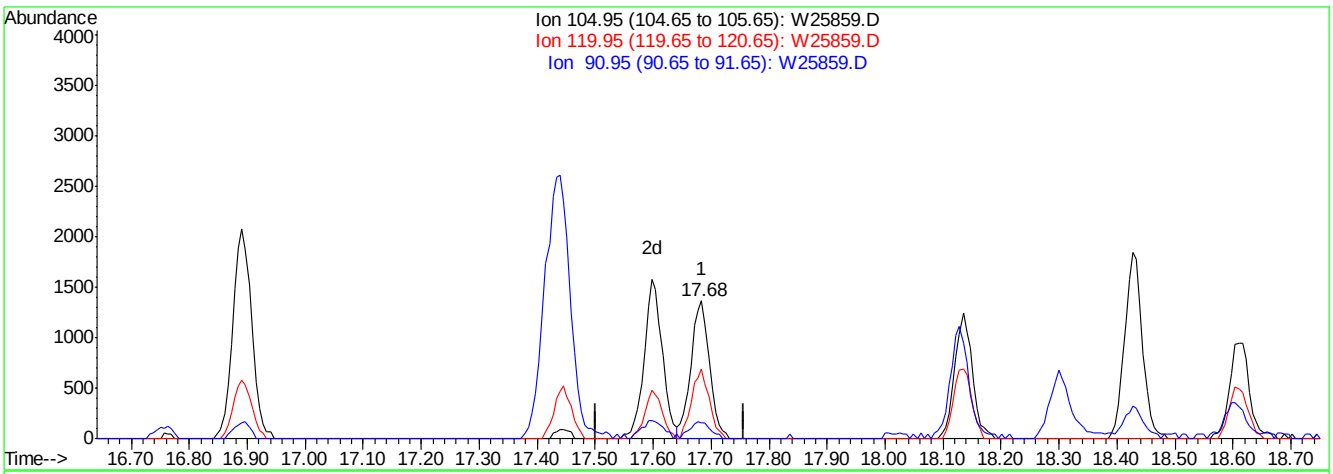
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	51.55
90.95	9.70	15.08
0.00	0.00	0.00

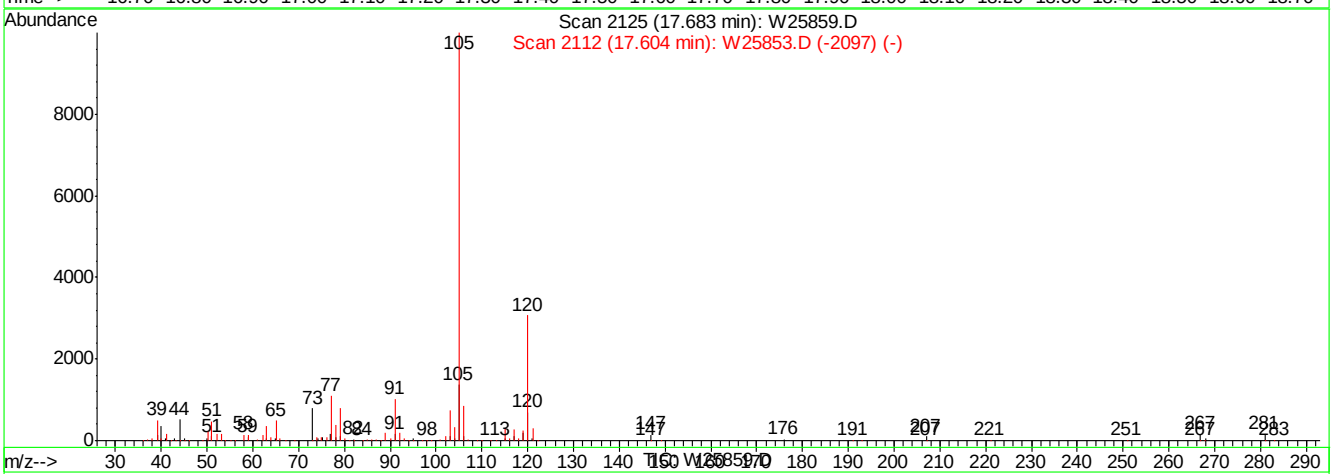
W25859.D MW1071.M Wed Apr 14 11:47:01 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.07PPBV m

response 3029

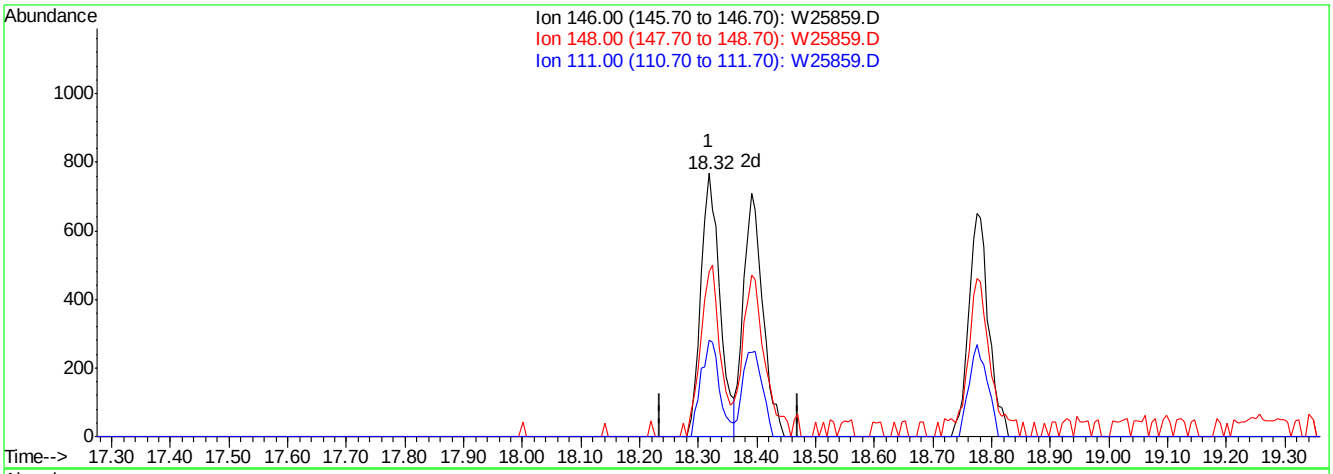
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	47.64
90.95	9.70	13.93
0.00	0.00	0.00

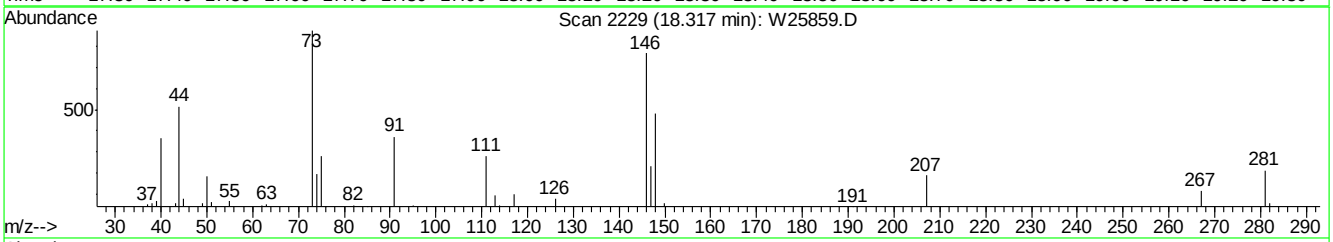
W25859.D MW1071.M Wed Apr 14 11:47:19 2010 MSW

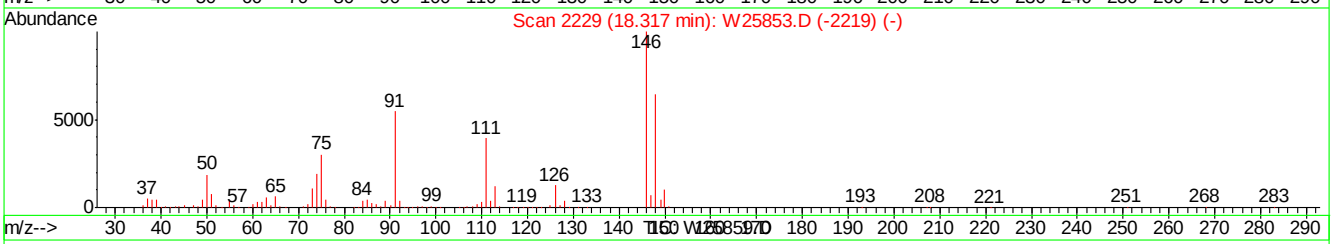
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.09PPBV

response 1731

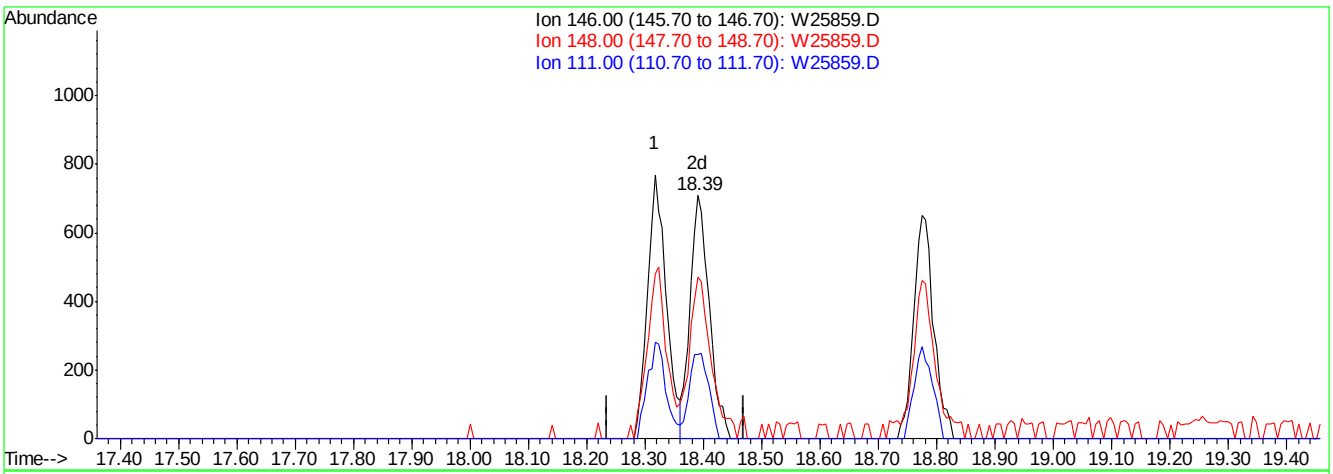
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.90
111.00	37.90	36.63
0.00	0.00	0.00

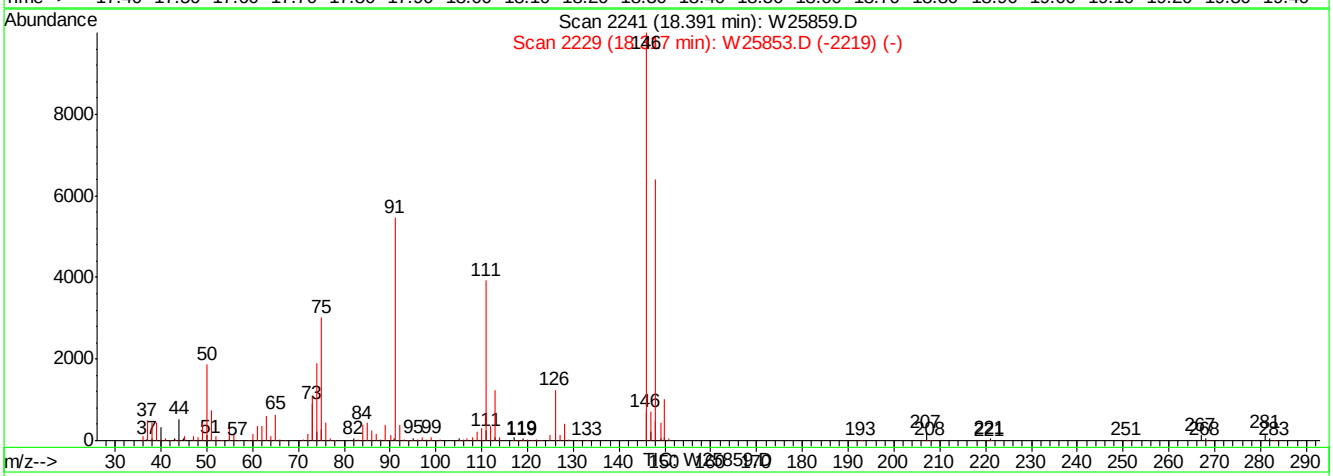
W25859.D MW1071.M Wed Apr 14 12:01:54 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.08PPBV m

response 1622

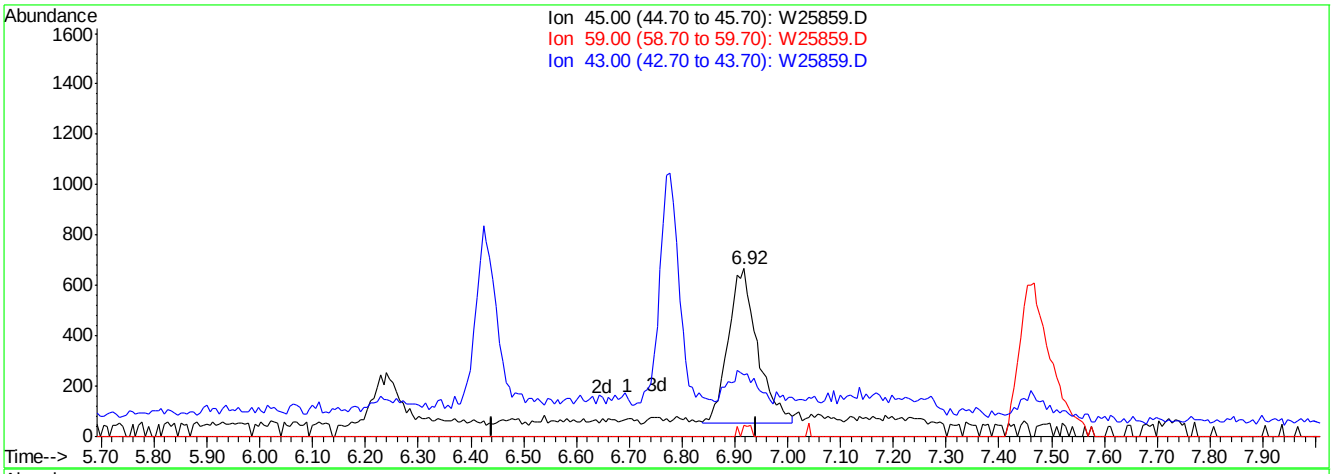
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	71.39
111.00	37.90	39.09
0.00	0.00	0.00

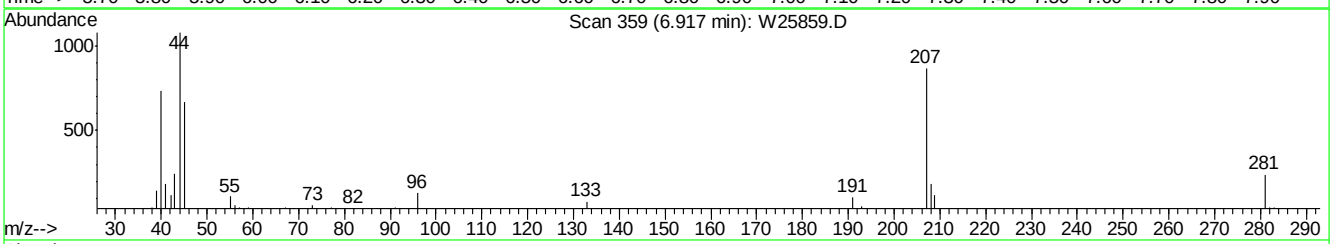
W25859.D MW1071.M Wed Apr 14 12:01:59 2010 MSW

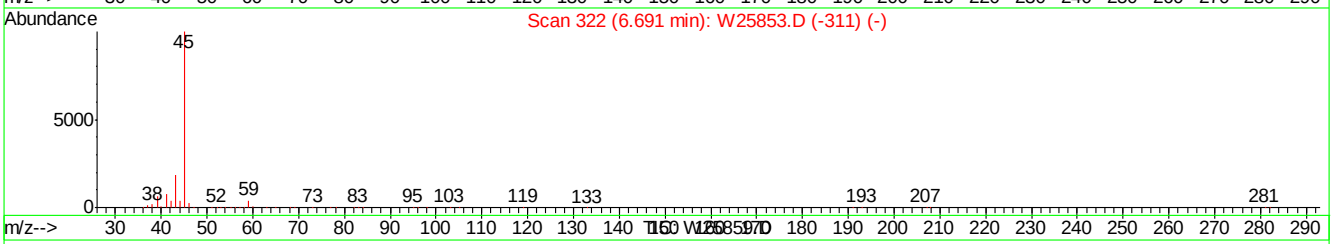
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Single Level Calibration







(18) ISOPROPYL ALCOHOL

6.92min 0.11PPBV m

response 2346

Ion	Exp%	Act%
45.00	100	100
59.00	4.70	6.61
43.00	53.90	36.49
0.00	0.00	0.00

W25859.D MW1071.M Wed Apr 14 14:14:47 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:02 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	72808	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	360129	10.00	PPBV		-0.02
63) CHLOROBENZENE-D5	15.13	82	163966	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.13	82	164084	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	78962	4.28	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 85.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	4.92	85	1282	0.05	PPBV		94
7) FREON 114	5.16	85	1337	0.04	PPBV		99
8) CHLOROMETHANE	5.09	52	129	0.04	PPBV	#	23
9) VINYL CHLORIDE	5.29	62	522	0.04	PPBV	#	82
10) 1,3-BUTADIENE	5.42	54	460	0.05	PPBV	#	1
11) n-BUTANE	5.45	43	1039	0.05	PPBV	#	91
12) BROMOMETHANE	5.69	94	414	0.04	PPBV	#	64
13) CHLOROETHANE	5.83	64	280	0.04	PPBV	#	66
15) FREON 123	6.25	83	1144	0.05	PPBV	#	76
16) FREON 123A	6.29	117	635	0.04	PPBV	#	76
17) TRICHLOROFLUOROMETHANE	6.48	101	1197	0.04	PPBV		88
21) TVHC as EQUIV PENTANE	6.77	TIC	2901m	0.04	PPBV		
22) IODOMETHANE	7.01	142	1121	0.04	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.04	96	609	0.06	PPBV		88
24) CARBON DISULFIDE	7.45	76	1537	0.05	PPBV		85
26) BROMOETHENE	6.13	106	413	0.04	PPBV	#	93
28) 3-CHLOROPROPENE	7.26	76	179	0.03	PPBV	#	17
29) FREON 113	7.36	151	806	0.05	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.98	96	620	0.05	PPBV		87
31) TERTIARY BUTYL ALCOHOL	7.54	59	1055m	0.04	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.28	73	1339	0.04	PPBV	#	61
34) HEXANE	9.06	57	921	0.05	PPBV	#	62
36) 1,1-DICHLOROETHANE	8.15	63	942	0.04	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	8.89	96	585	0.05	PPBV		93
39) DI-ISOPROPYL ETHER	9.10	45	1716	0.04	PPBV	#	93
41) CHLOROFORM	9.15	83	977	0.04	PPBV	#	89
42) 2,4-DIMETHYLPENTANE	9.87	57	1035	0.04	PPBV	#	89
43) 1,1,1-TRICHLOROETHANE	10.08	97	988	0.04	PPBV		95
44) CARBON TETRACHLORIDE	10.65	117	1027	0.04	PPBV		91
45) 1,2-DICHLOROETHANE	9.86	62	560	0.04	PPBV	#	89
47) BENZENE	10.52	78	1624	0.05	PPBV		97
48) CYCLOHEXANE	10.78	84	1006	0.06	PPBV	#	4
49) 2,3-DIMETHYLPENTANE	10.96	71	380	0.04	PPBV	#	71
50) TRICHLOROETHYLENE	11.50	95	646	0.04	PPBV		98
51) 1,2-DICHLOROPROPANE	11.29	63	575	0.05	PPBV		88
52) BROMODICHLOROMETHANE	11.49	83	1012	0.04	PPBV		99
53) 2,2,4-TRIMETHYLPENTANE	11.52	57	2616	0.04	PPBV		96
55) METHYL METHACRYLATE	11.77	69	426	0.03	PPBV	#	1
56) HEPTANE	11.75	43	1363	0.06	PPBV	#	66
59) cis-1,3-DICHLOROPROPENE	12.35	75	832	0.04	PPBV	#	70

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:02 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

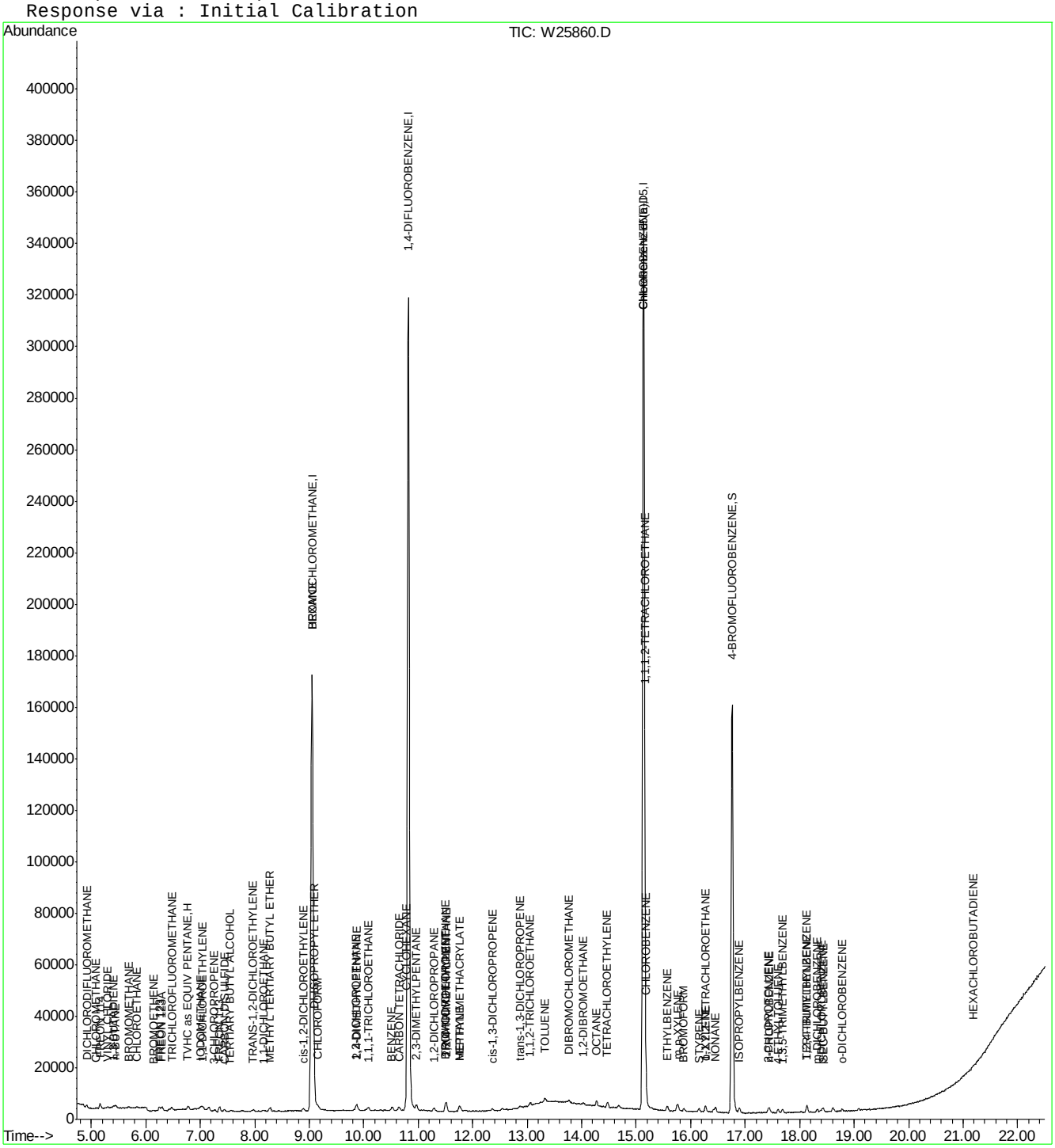
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
60)	TOLUENE	13.32	92	1063	0.04	PPBV		91
61)	trans-1,3-DICHLOROPROPENE	12.86	75	710	0.04	PPBV	#	60
62)	1,1,2-TRICHLOROETHANE	13.06	83	439	0.04	PPBV		97
65)	TETRACHLOROETHYLENE	14.47	164	658	0.05	PPBV		95
66)	DIBROMOCHLOROMETHANE	13.77	129	930	0.05	PPBV		94
67)	1,2-DIBROMOETHANE	14.02	107	718	0.04	PPBV	#	99
68)	OCTANE	14.27	43	1214	0.04	PPBV	#	85
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	700	0.05	PPBV	#	92
70)	CHLOROBENZENE	15.18	112	1351	0.05	PPBV	#	40
71)	ETHYLBENZENE	15.57	91	1968	0.04	PPBV		96
72)	m,p-XYLENE	15.76	106	1429	0.08	PPBV		94
73)	o-XYLENE	16.27	106	675	0.04	PPBV		95
74)	STYRENE	16.16	104	920	0.04	PPBV		97
76)	NONANE	16.46	43	952	0.04	PPBV	#	82
77)	BROMOFORM	15.88	173	851	0.05	PPBV		96
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	784	0.04	PPBV		94
80)	ISOPROPYLBENZENE	16.89	105	1857	0.04	PPBV		99
81)	2-CHLOROTOLUENE	17.43	126	426	0.04	PPBV	#	84
82)	n-PROPYLBENZENE	17.45	120	376	0.03	PPBV	#	57
83)	4-ETHYLTOLUENE	17.60	105	1321	0.03	PPBV		97
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	1159	0.03	PPBV		93
85)	TERT-BUTYLBENZENE	18.13	134	284	0.03	PPBV		81
86)	1,2,4-TRIMETHYLBENZENE	18.14	105	1000	0.03	PPBV	#	81
87)	m-DICHLOROBENZENE	18.32	146	623	0.03	PPBV		80
89)	p-DICHLOROBENZENE	18.40	146	595m	0.03	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	271	0.03	PPBV	#	79
92)	o-DICHLOROBENZENE	18.78	146	577	0.03	PPBV	#	68
94)	HEXACHLOROBUTADIENE	21.18	225	130	0.03	PPBV	#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

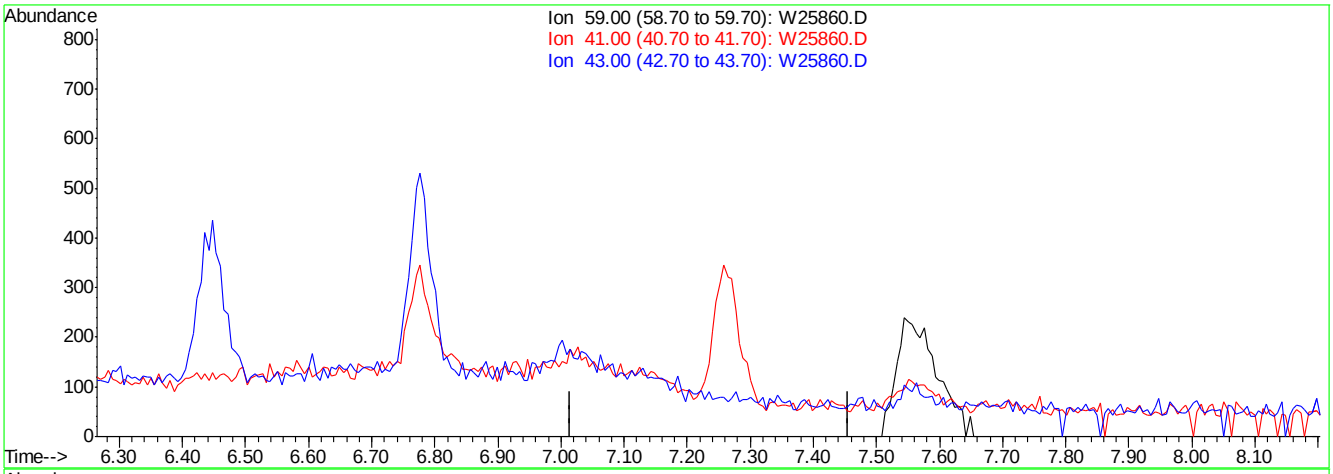


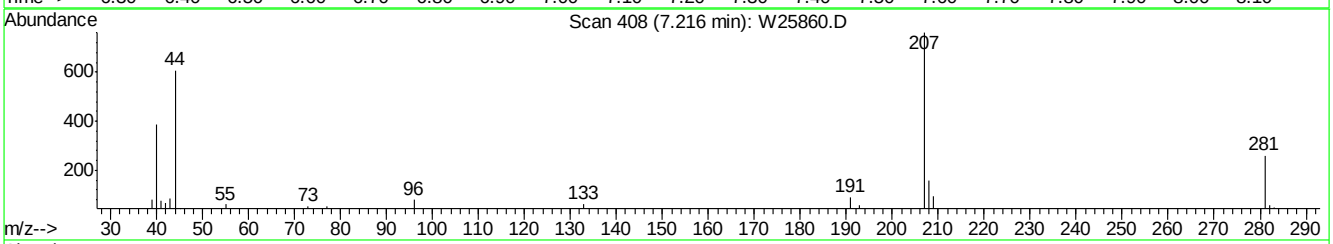
ACCUTEST Laboratories JA45062

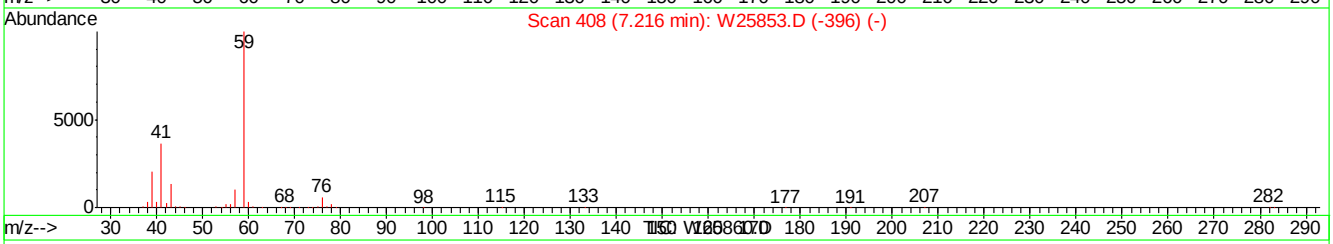
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:27 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.22min 0.00PPBV

response 0

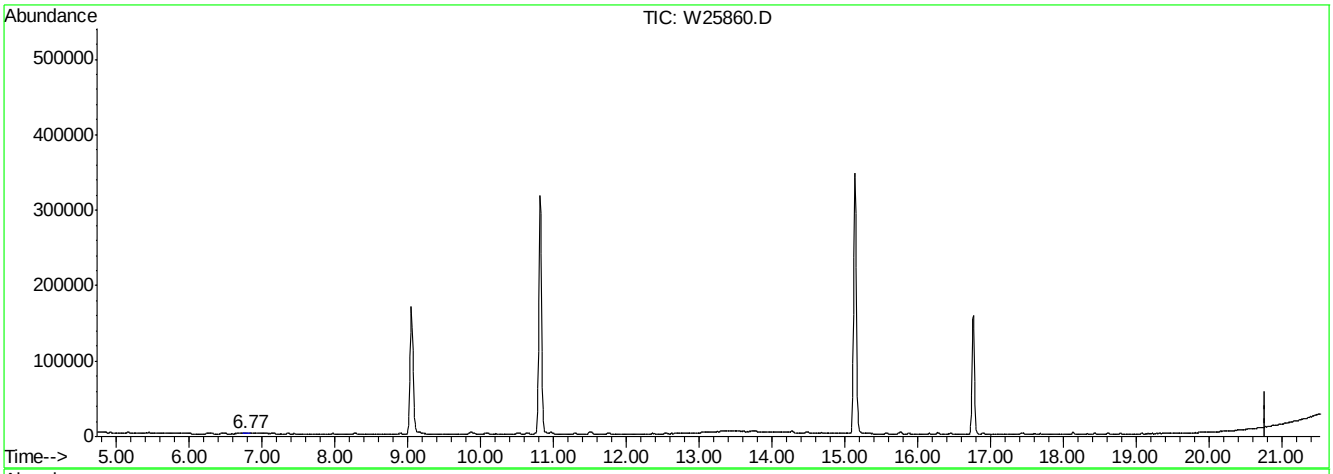
Ion	Exp%	Act%
59.00	100	0.00
41.00	0.00	0.00
43.00	11.40	0.00
0.00	0.00	0.00

W25860.D MW1071.M Tue Apr 13 10:27:34 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration



(21) TVHC as EQUIV PENTANE (H)

6.77min 0.04PPBV m

response 2901

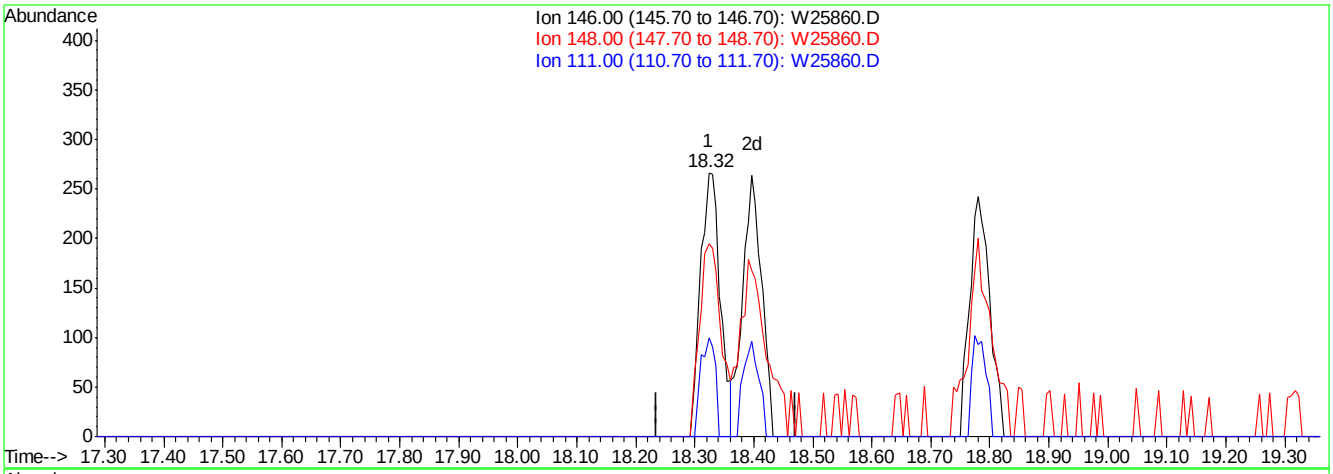
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

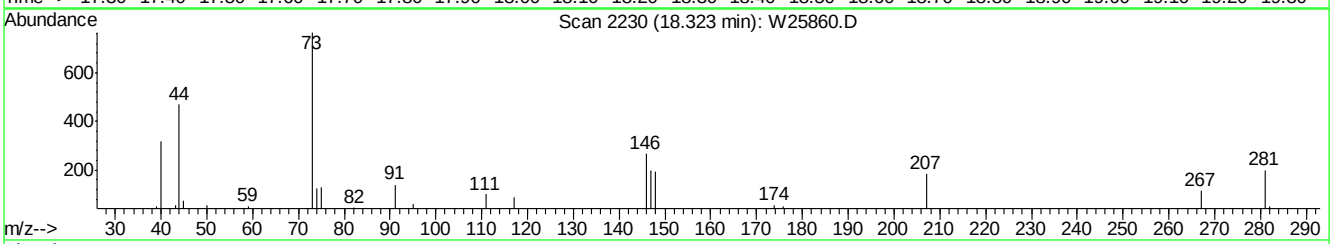
W25860.D MW1071.M Wed Apr 14 11:34:41 2010 MSW

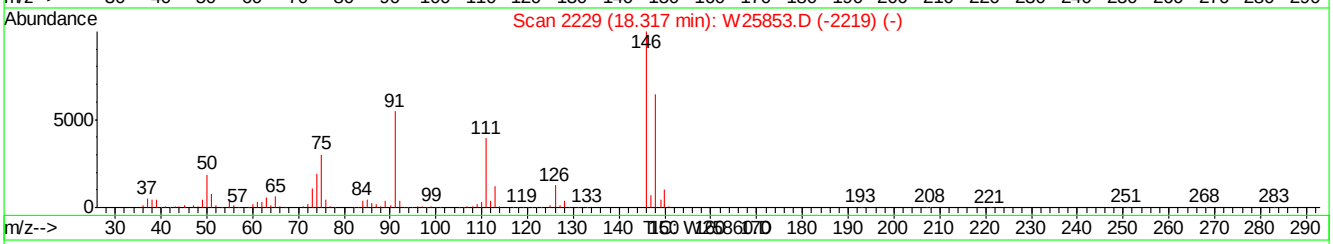
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.03PPBV

response 623

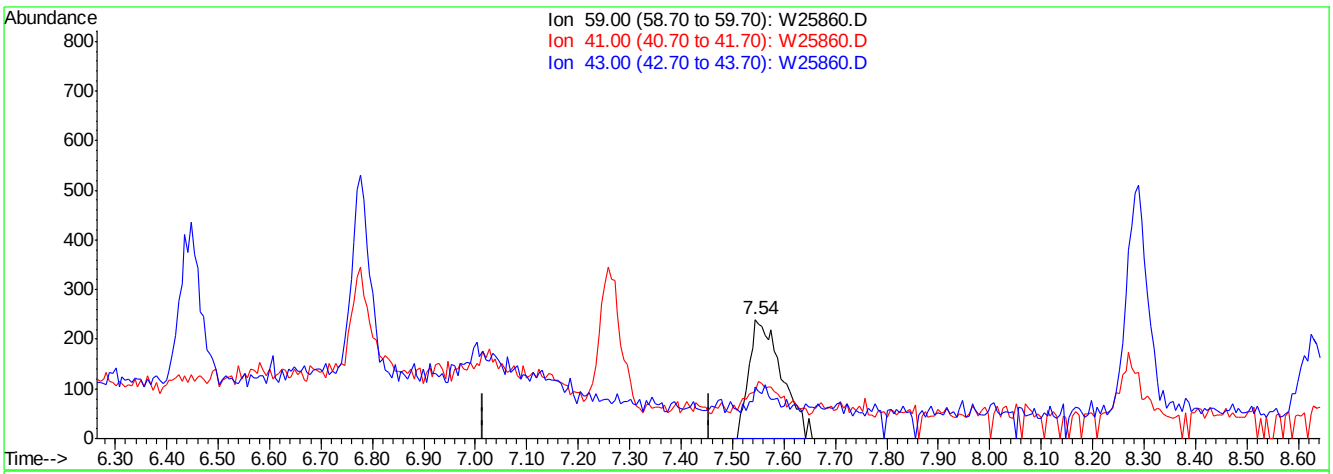
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	79.61
111.00	37.90	27.29
0.00	0.00	0.00

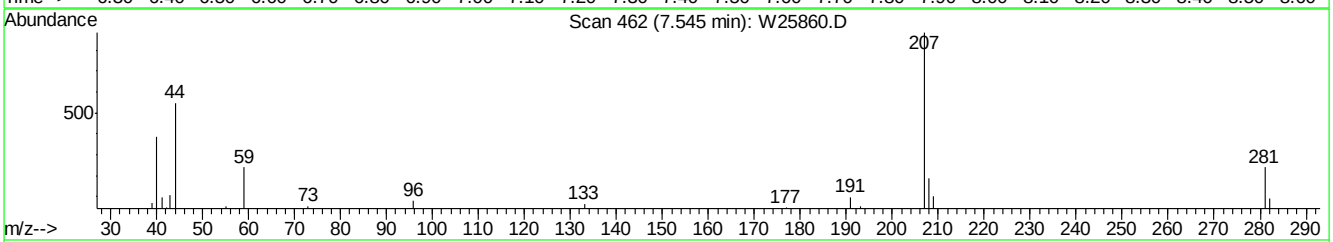
W25860.D MW1071.M Wed Apr 14 12:02:07 2010 MSW

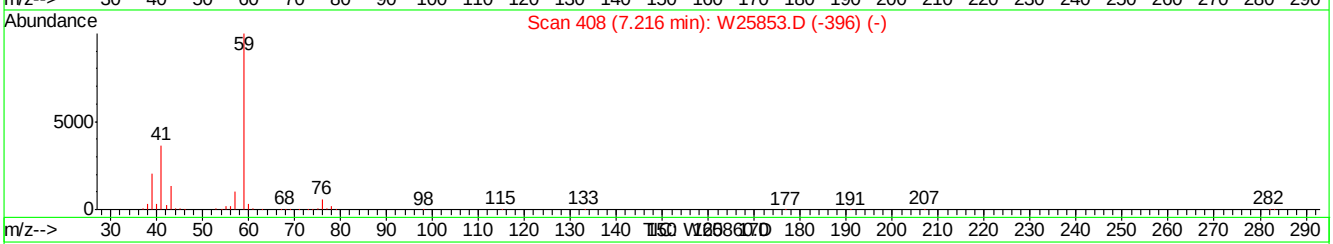
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.54min 0.04PPBV m

response 1055

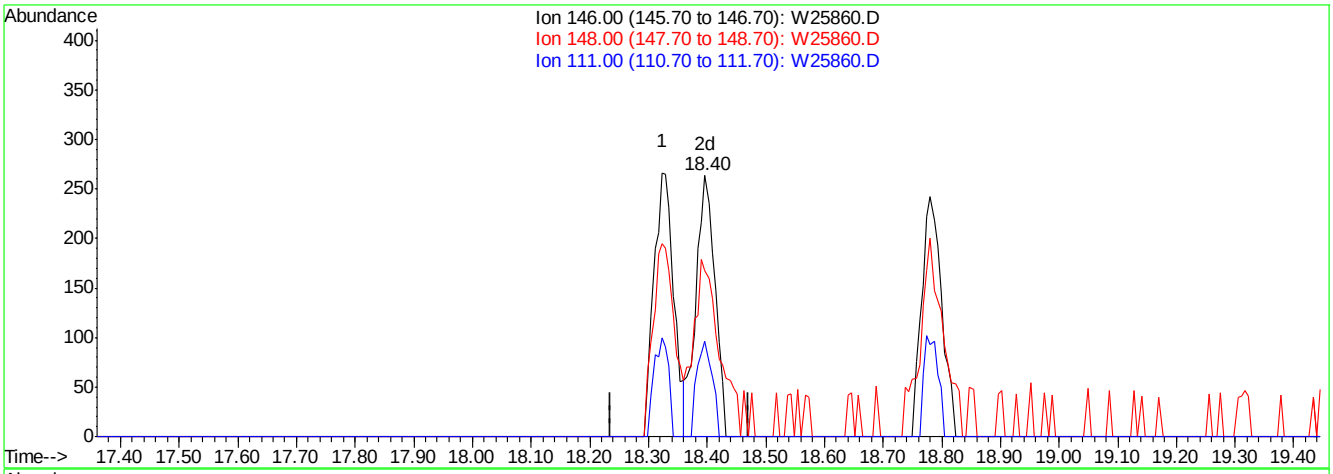
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	0.00
0.00	0.00	0.00

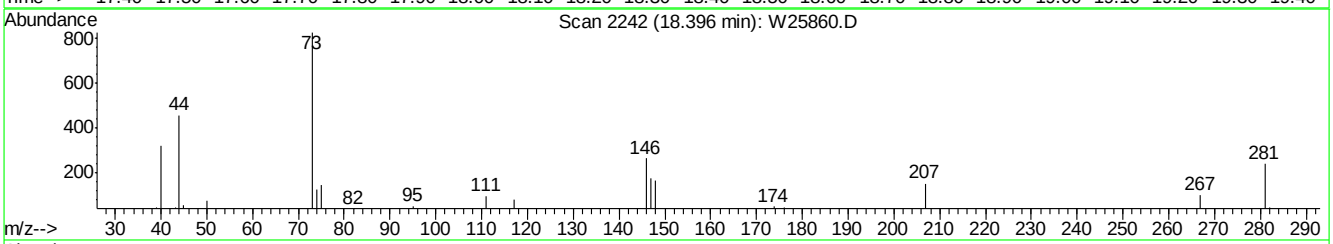
W25860.D MW1071.M Wed Apr 14 14:15:05 2010 MSW

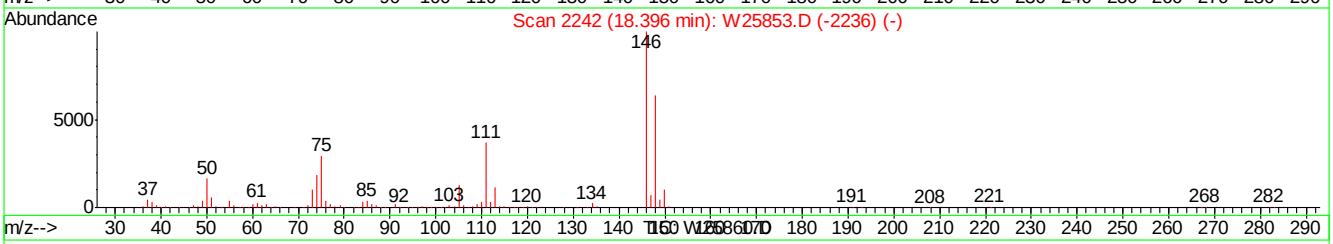
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 0.03PPBV m

response 595

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	83.36
111.00	37.90	28.57
0.00	0.00	0.00

W25860.D MW1071.M Wed Apr 14 14:15:25 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25861.D Vial: 6
Acq On : 13 Apr 2010 3:55 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:20 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

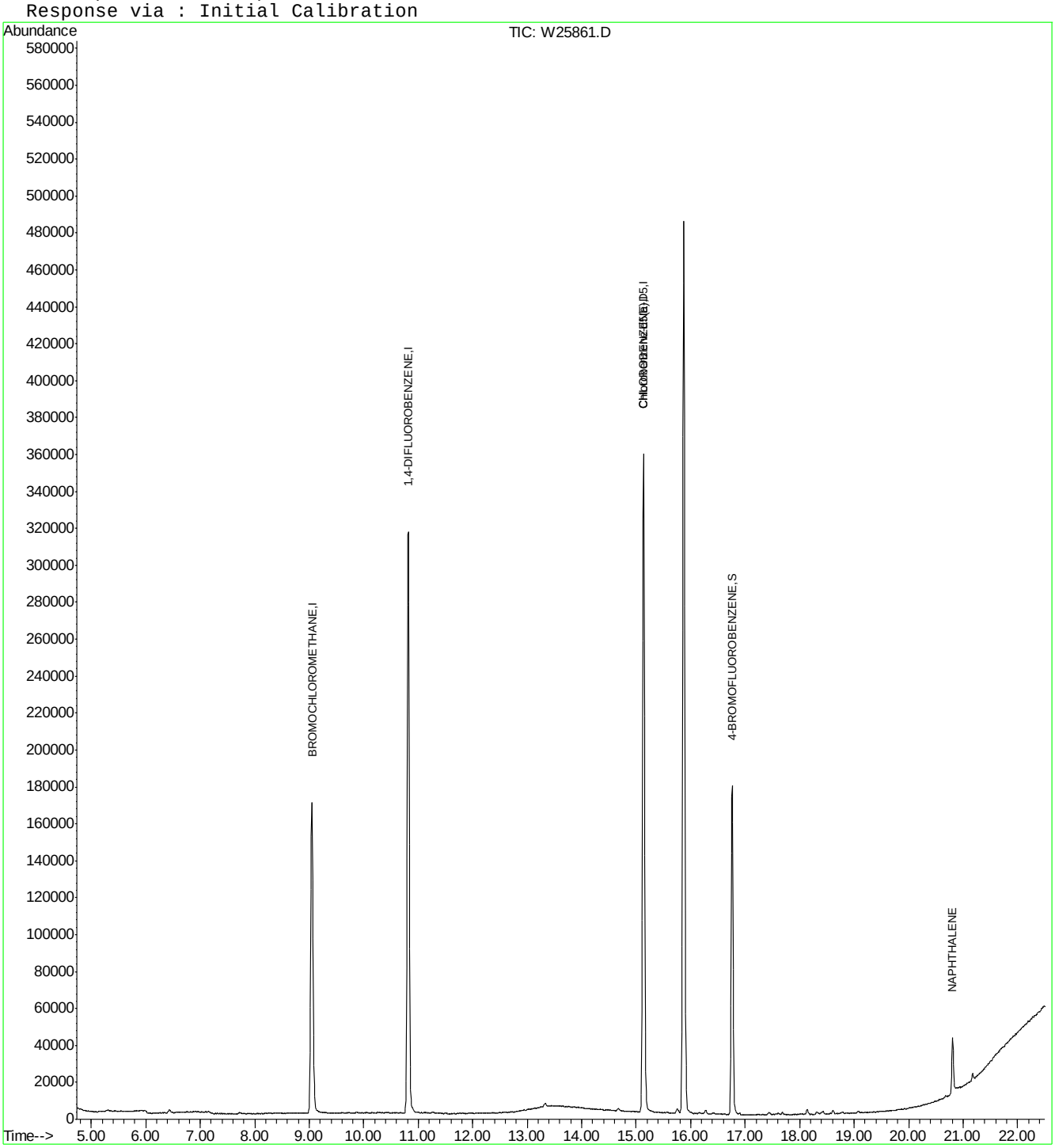
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	73756	10.00	PPBV	-0.02
46) 1,4-DIFLUOROBENZENE	10.82	114	365681	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.13	82	168592	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	168768	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	88542	4.99	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	37991	3.70	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25861.D Vial: 6
Acq On : 13 Apr 2010 3:55 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:27 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



1115 of 1201 ACCUTEST JA45062 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25862.D Vial: 6
Acq On : 13 Apr 2010 4:36 am Operator: YOUMINH
Sample : IC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:25 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	73736	10.00	PPBV	-0.03
46) 1,4-DIFLUOROBENZENE	10.81	114	364640	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.14	82	165834	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.14	82	165834	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	89322	5.12	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	76566	7.58	PPBV	100

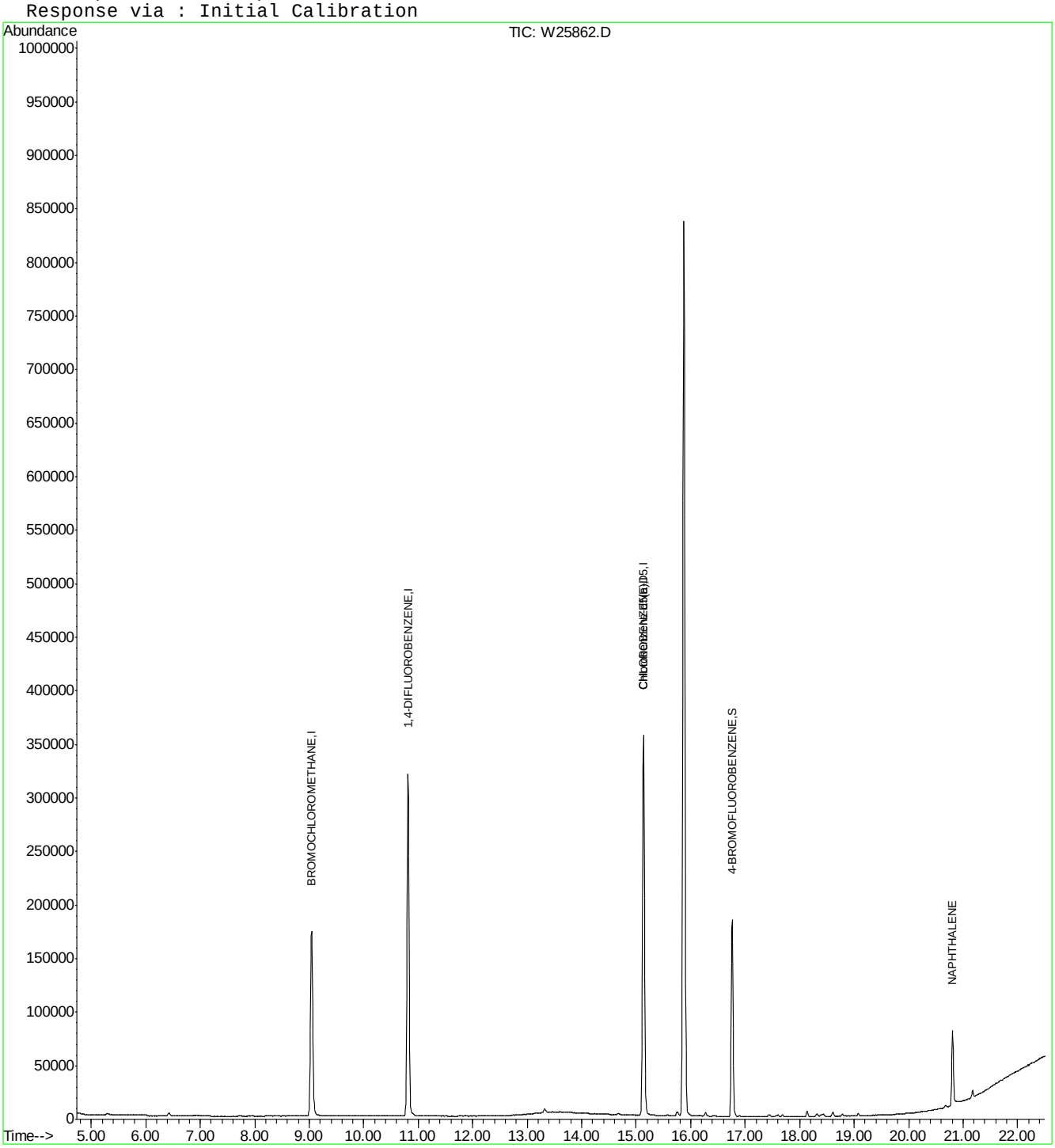
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25862.D Vial: 6
Acq On : 13 Apr 2010 4:36 am Operator: YOUMINH
Sample : IC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:27 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.08	128	72511	10.00	PPBV		0.01
46) 1,4-DIFLUOROBENZENE	10.86	114	347028	10.00	PPBV		0.02
63) CHLOROBENZENE-D5	15.15	82	201014	10.00	PPBV		0.01
96) Chlorobenzene-d5(a)	15.15	82	201014	10.00	PPBV		0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	101932	4.50	PPBV		0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.80	67	90477	33.85	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.90	85	899448	33.67	PPBV		98
6) PROPYLENE	4.83	41	337831	34.43	PPBV		96
7) FREON 114	5.15	85	1001579	33.52	PPBV		99
8) CHLOROMETHANE	5.06	52	107964	33.18	PPBV		95
9) VINYL CHLORIDE	5.26	62	401848	33.95	PPBV		99
10) 1,3-BUTADIENE	5.39	54	328173	33.88	PPBV	#	87
11) n-BUTANE	5.44	43	660119	33.88	PPBV		97
12) BROMOMETHANE	5.65	94	323333	32.76	PPBV		100
13) CHLOROETHANE	5.80	64	216443	33.09	PPBV		97
14) ACROLEIN	6.25	56	149212	34.66	PPBV		98
15) FREON 123	6.22	83	837114	33.50	PPBV	#	99
16) FREON 123A	6.27	117	489502	33.50	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.47	101	861015	31.99	PPBV		100
18) ISOPROPYL ALCOHOL	6.73	45	686930	32.22	PPBV	#	71
19) ACETONE	6.38	58	170445	32.70	PPBV	#	61
20) PENTANE	6.77	57	115799	32.78	PPBV	#	70
21) TVHC as EQUIV PENTANE	6.77	TIC	2415942m	37.33	PPBV		
22) IODOMETHANE	6.99	142	864334	32.20	PPBV		96
23) 1,1-DICHLOROETHYLENE	7.03	96	335336	32.39	PPBV	#	82
24) CARBON DISULFIDE	7.43	76	1011148	31.90	PPBV		94
25) ETHANOL	6.07	45	147569	32.76	PPBV		98
26) BROMOETHENE	6.11	106	339778	33.12	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	297497	32.63	PPBV		85
28) 3-CHLOROPROPENE	7.25	76	182067	33.19	PPBV	#	63
29) FREON 113	7.35	151	586764	33.45	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	379829	33.33	PPBV		92
31) TERTIARY BUTYL ALCOHOL	7.28	59	872465	31.76	PPBV	#	92
32) METHYL TERTIARY BUTYL ETHE	8.23	73	1040706	33.07	PPBV		95
33) TETRAHYDROFURAN	9.62	72	183781	33.28	PPBV	#	82
34) HEXANE	9.06	57	649113	32.73	PPBV		88
35) VINYL ACETATE	8.29	86	101115	32.69	PPBV	#	49
36) 1,1-DICHLOROETHANE	8.16	63	683701	32.65	PPBV		100
37) METHYL ETHYL KETONE	8.58	72	185947	32.95	PPBV	#	72
38) cis-1,2-DICHLOROETHYLENE	8.90	96	385741	33.68	PPBV		92
39) DI-ISOPROPYL ETHER	9.09	45	1374568	32.61	PPBV		97
40) ETHYL ACETATE	9.14	61	117810	32.04	PPBV	#	71
41) CHLOROFORM	9.21	83	721175	33.01	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.89	57	790744	32.82	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.11	97	740194	33.36	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.67	117	775670	33.77	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	469150	32.76	PPBV		98
47)	BENZENE	10.54	78	1167402	34.87	PPBV		97
48)	CYCLOHEXANE	10.78	84	564492	34.98	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.99	71	309696	35.85	PPBV		94
50)	TRICHLOROETHYLENE	11.53	95	496868	35.89	PPBV		96
51)	1,2-DICHLOROPROPANE	11.32	63	429273	35.02	PPBV		97
52)	BROMODICHLOROMETHANE	11.51	83	812003	35.25	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.54	57	2024198	33.49	PPBV		99
54)	1,4-DIOXANE	11.60	88	252043	34.81	PPBV		93
55)	METHYL METHACRYLATE	11.71	69	421810	35.96	PPBV	#	80
56)	HEPTANE	11.78	43	769910	34.15	PPBV		91
57)	TVHC as EQUIV HEPTANE	11.78	TIC	3370051m	35.55	PPBV		
58)	METHYL ISOBUTYL KETONE	12.43	43	862858	33.70	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.36	75	683015	35.50	PPBV		90
60)	TOLUENE	13.33	92	845208	35.45	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.87	75	586519	36.02	PPBV		92
62)	1,1,2-TRICHLOROETHANE	13.07	83	383088	35.98	PPBV		100
64)	2-HEXANONE	13.61	43	818321	29.94	PPBV		92
65)	TETRACHLOROETHYLENE	14.48	164	554825	33.24	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.79	129	794184	32.02	PPBV		100
67)	1,2-DIBROMOETHANE	14.04	107	664269	32.06	PPBV		100
68)	OCTANE	14.28	43	998387	30.12	PPBV		93
69)	1,1,1,2-TETRACHLOROETHANE	15.18	131	580337	32.62	PPBV	#	100
70)	CHLOROBENZENE	15.20	112	1073063	32.39	PPBV		99
71)	ETHYLBENZENE	15.58	91	1749444	31.82	PPBV		99
72)	m,p-XYLENE	15.78	106	1372083	64.07	PPBV		97
73)	o-XYLENE	16.29	106	654860	32.17	PPBV		97
74)	STYRENE	16.17	104	1028176	32.48	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.43	75	668563	32.32	PPBV		99
76)	NONANE	16.47	43	955993	30.16	PPBV		95
77)	BROMOFORM	15.90	173	738017	33.33	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.29	83	809026	32.02	PPBV		100
80)	ISOPROPYLBENZENE	16.91	105	1862865	32.06	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	444680	33.31	PPBV	#	86
82)	n-PROPYLBENZENE	17.45	120	517270	33.20	PPBV		86
83)	4-ETHYLTOLUENE	17.61	105	1670468	32.03	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.69	105	1381823m	26.33	PPBV		
85)	TERT-BUTYLBENZENE	18.14	134	368290	33.86	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.15	105	1329740	33.06	PPBV		99
87)	m-DICHLOROBENZENE	18.33	146	826235	34.29	PPBV		99
88)	BENZYL CHLORIDE	18.31	91	1013911	34.68	PPBV		97
89)	p-DICHLOROBENZENE	18.40	146	780044m	32.37	PPBV		
90)	SEC-BUTYLBENZENE	18.44	134	425277	34.00	PPBV		88
91)	p-ISOPROPYLTOLUENE	18.61	134	410659	33.51	PPBV		94
92)	o-DICHLOROBENZENE	18.79	146	681351	33.61	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	331489	33.53	PPBV		86
94)	HEXACHLOROBUTADIENE	21.17	225	183656	31.20	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	165997	35.16	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

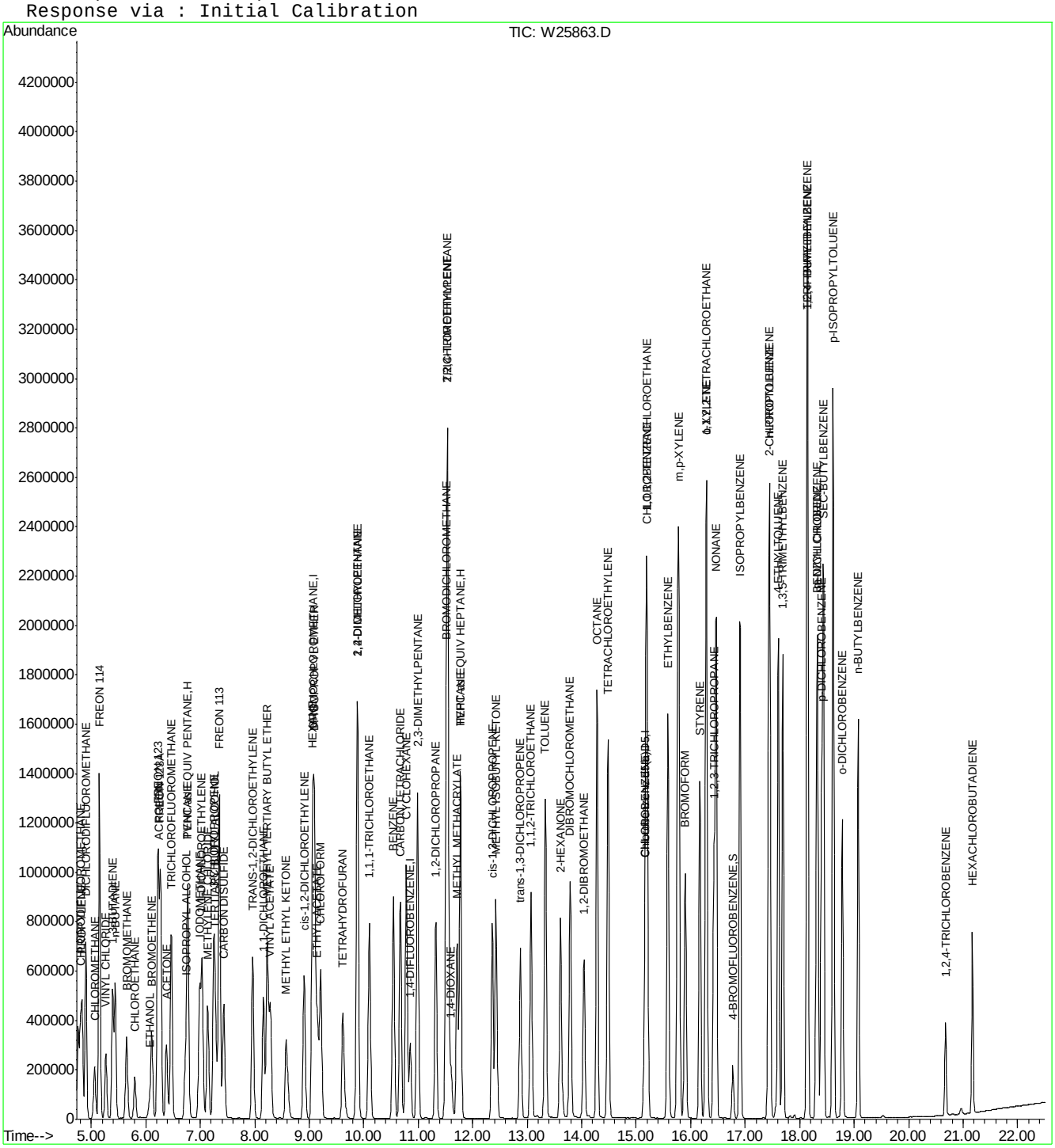
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

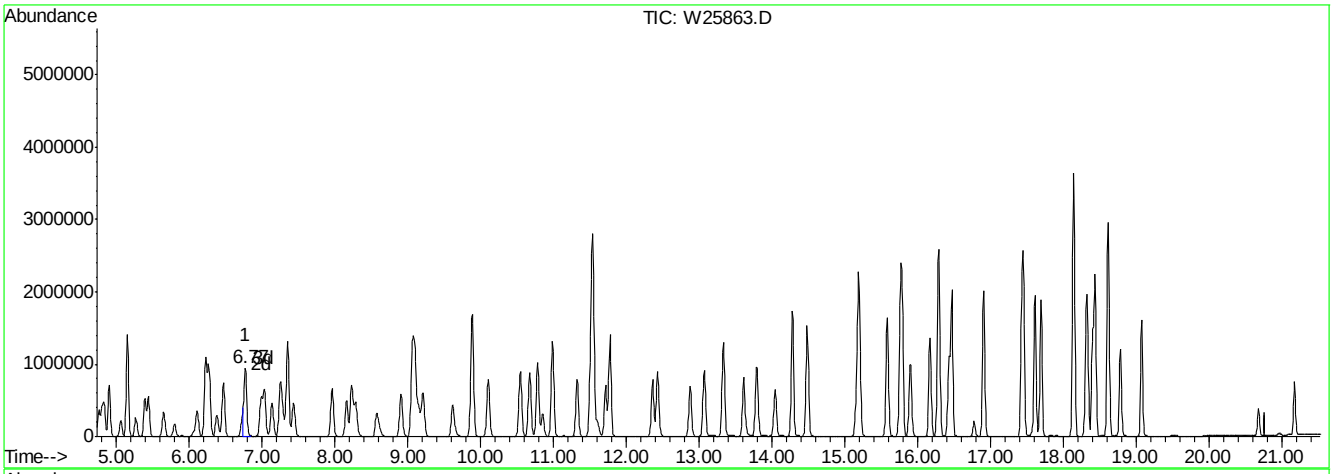


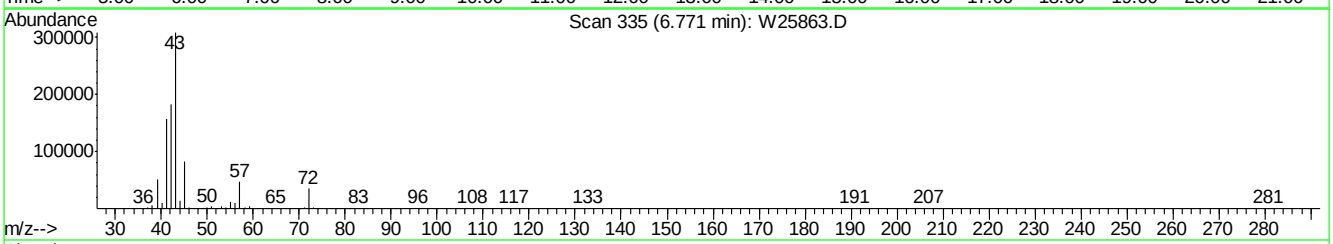
ACCUTEST. JA45062 Laboratories

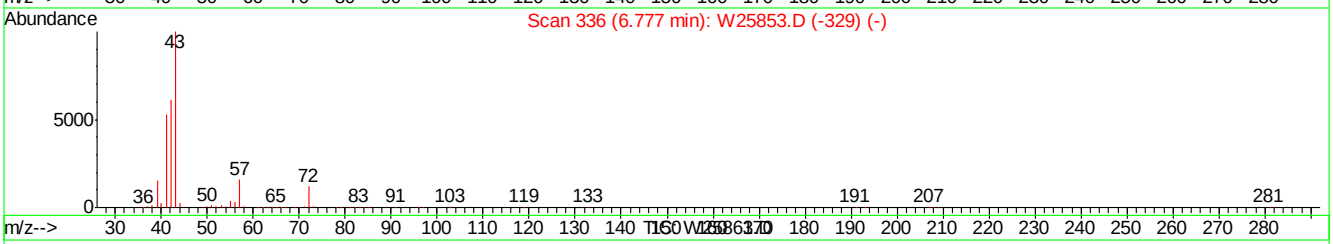
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.77min 37.33PPBV m

response 2415942

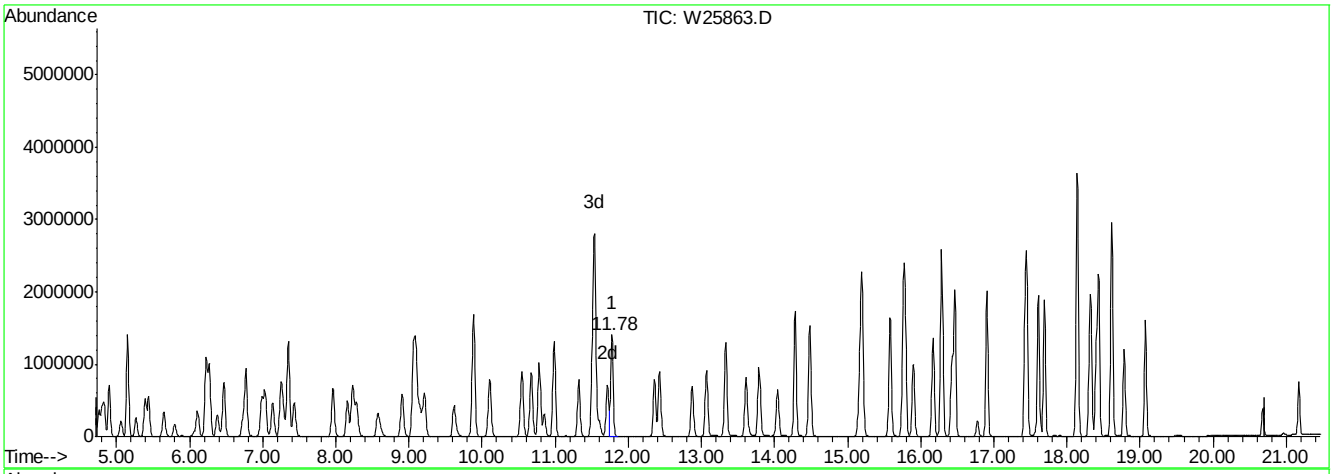
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

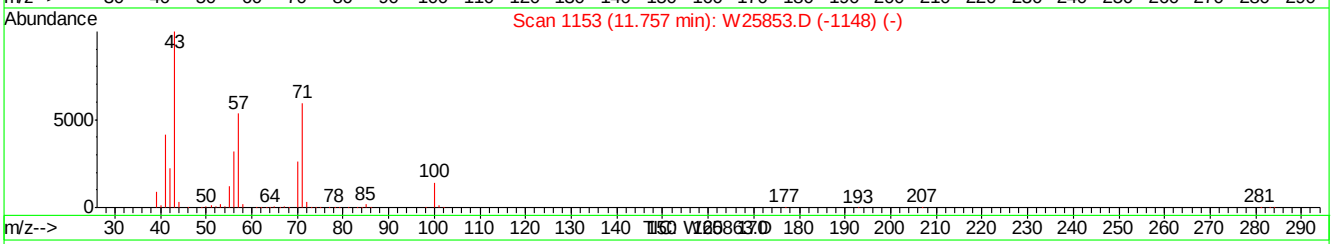
W25863.D MW1071.M Wed Apr 14 11:34:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.78min 35.55PPBV m

response 3370051

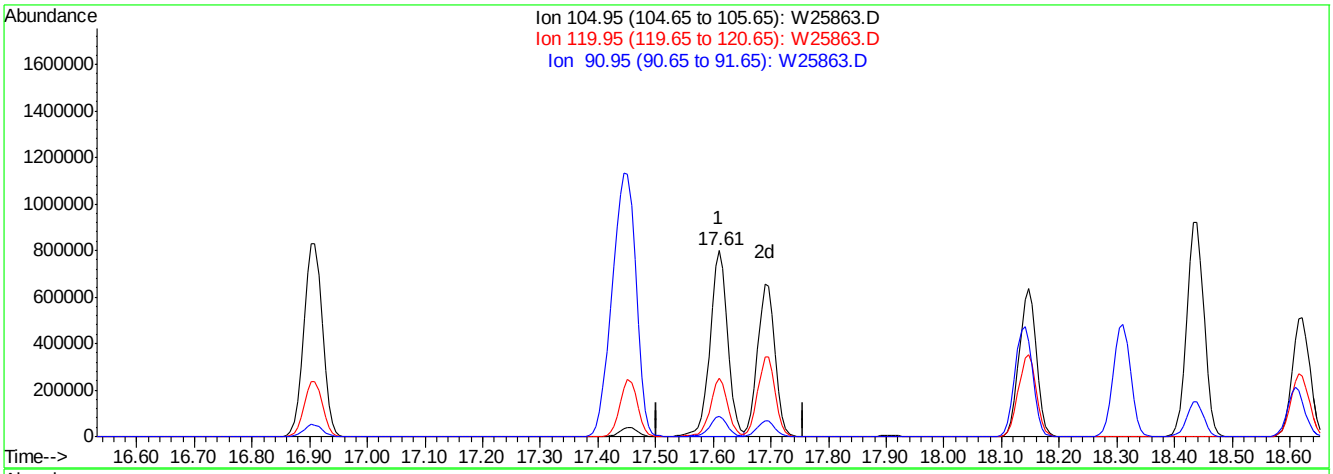
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

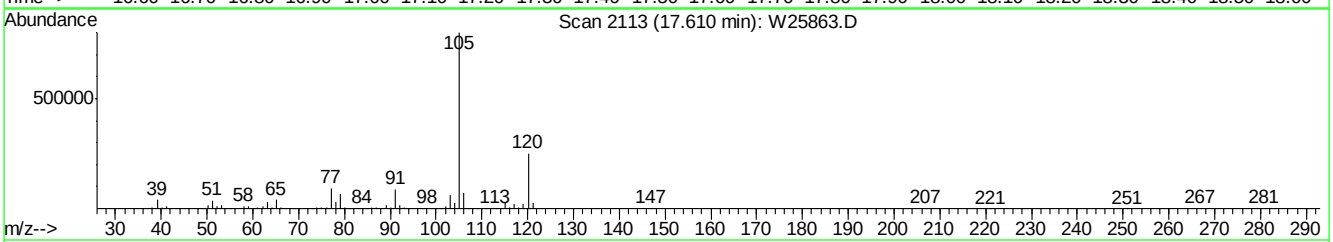
W25863.D MW1071.M Wed Apr 14 11:34:56 2010 MSW

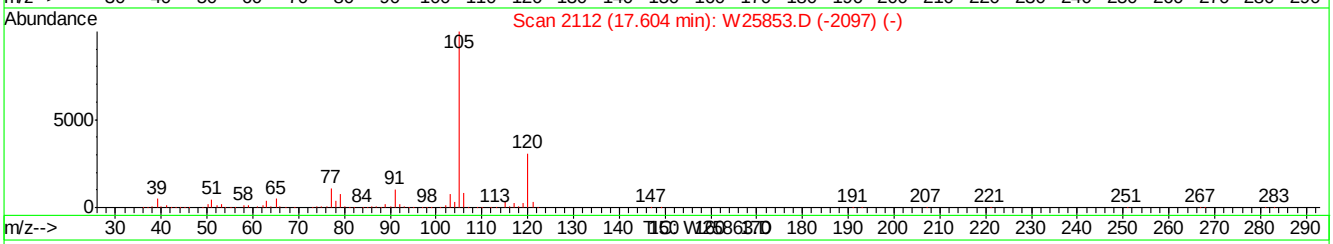
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.61min 32.50PPBV

response 1705227

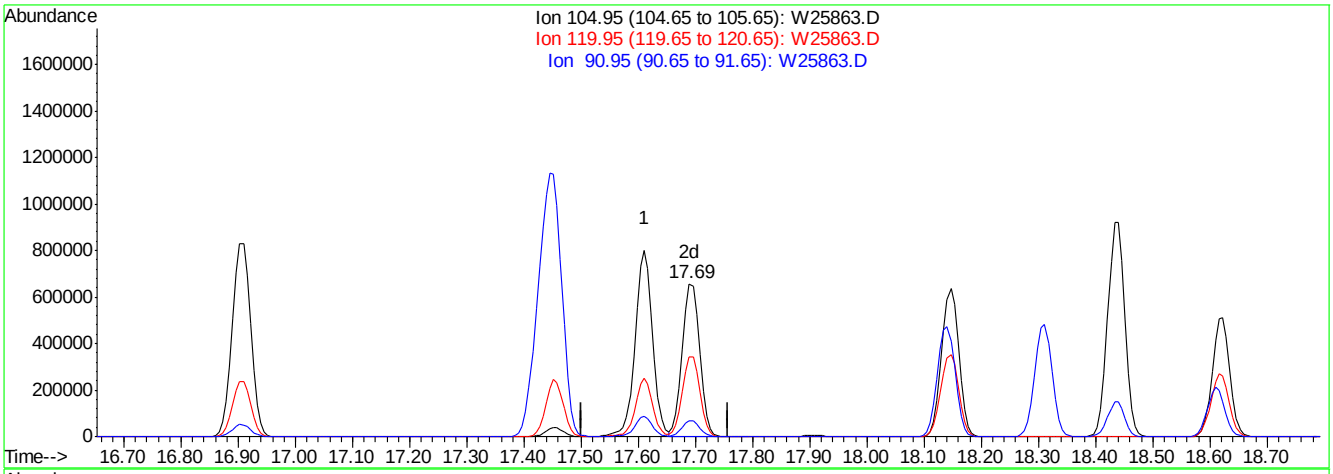
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	31.16
90.95	9.70	10.71
0.00	0.00	0.00

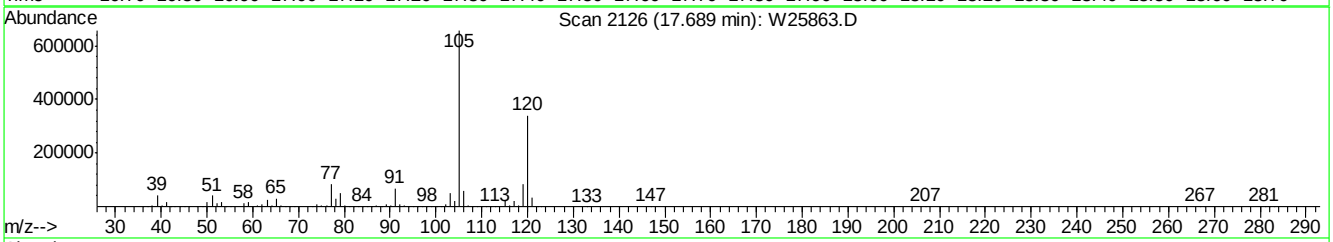
W25863.D MW1071.M Wed Apr 14 11:47:42 2010 MSW

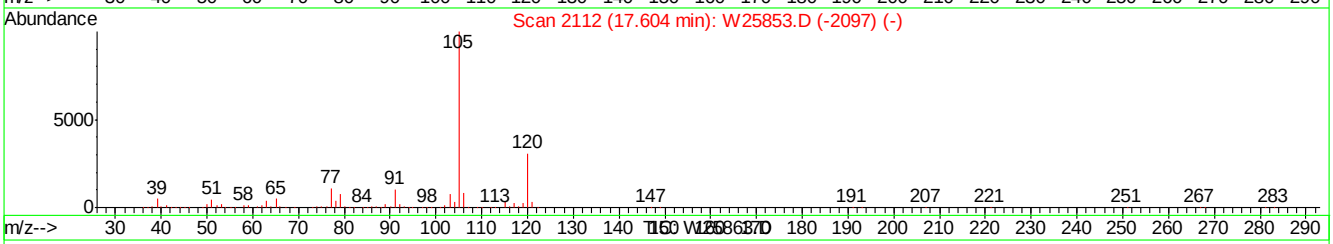
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.69min 26.33PPBV m

response 1381823

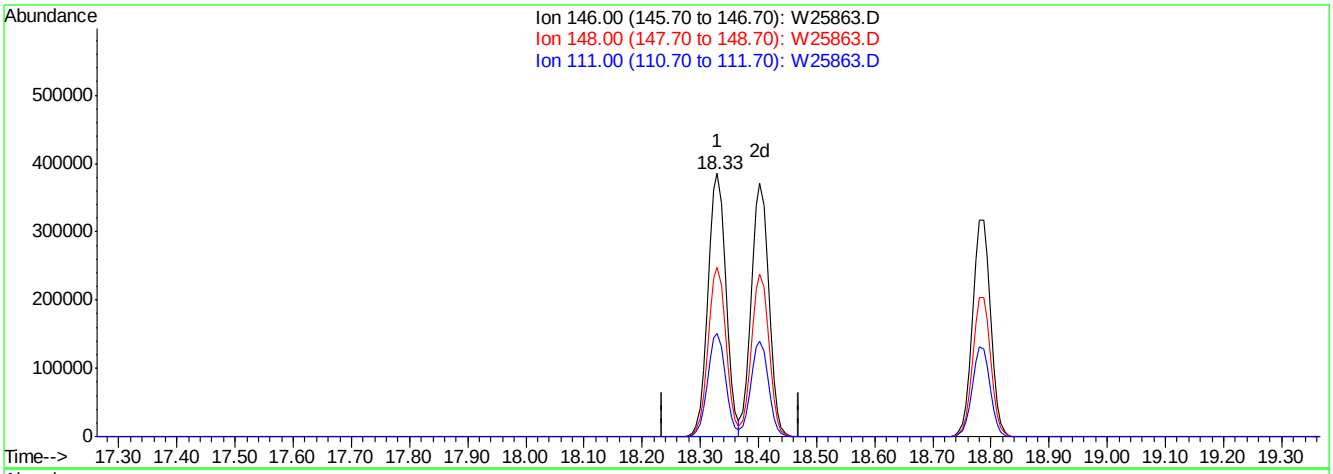
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	38.46
90.95	9.70	13.22
0.00	0.00	0.00

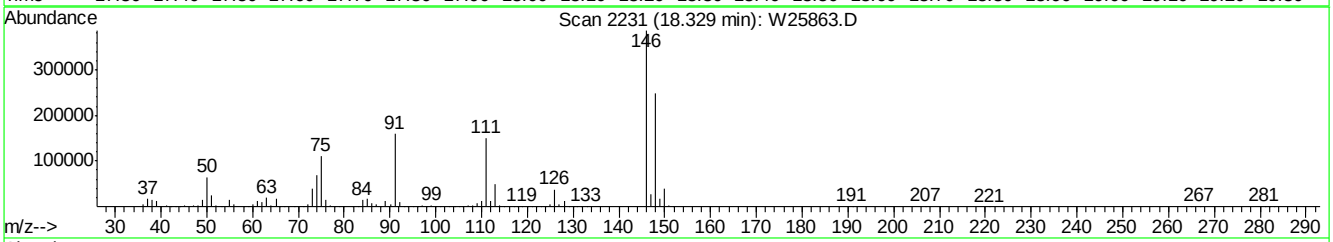
W25863.D MW1071.M Wed Apr 14 11:47:56 2010 MSW

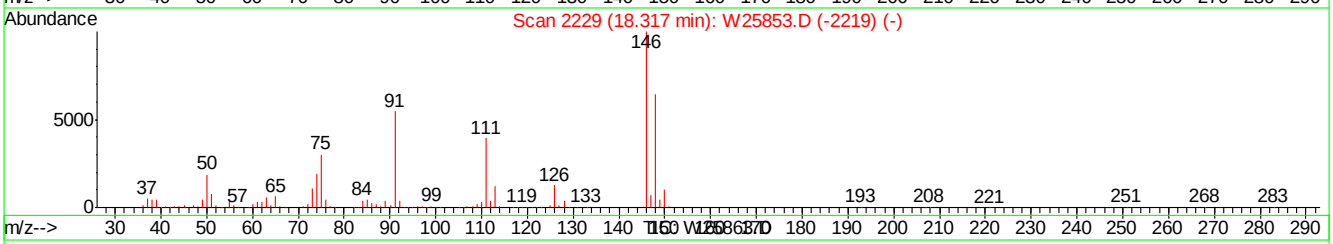
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.33min 34.28PPBV

response 826205

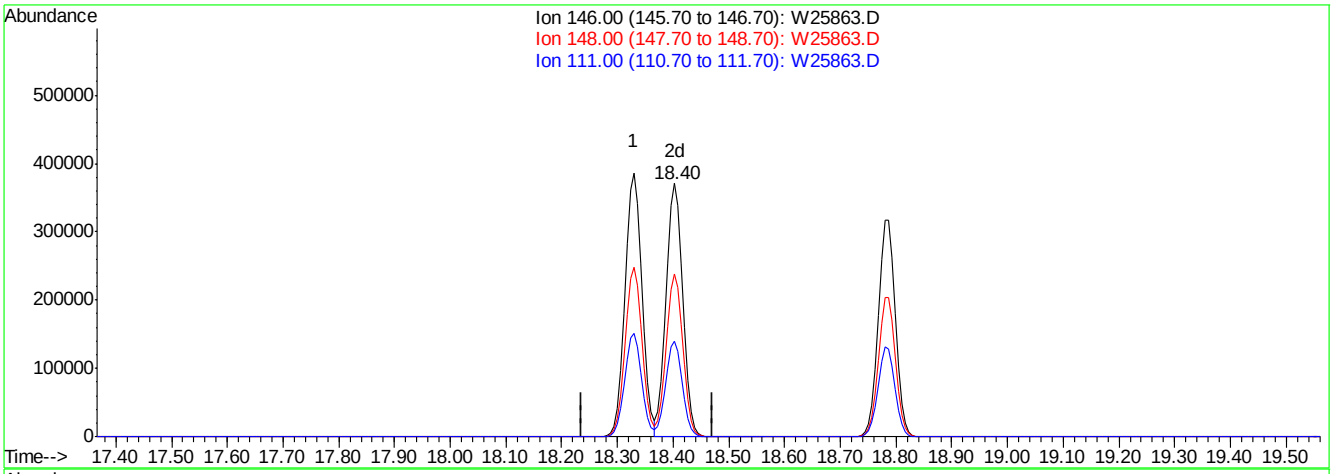
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	64.26
111.00	37.90	39.04
0.00	0.00	0.00

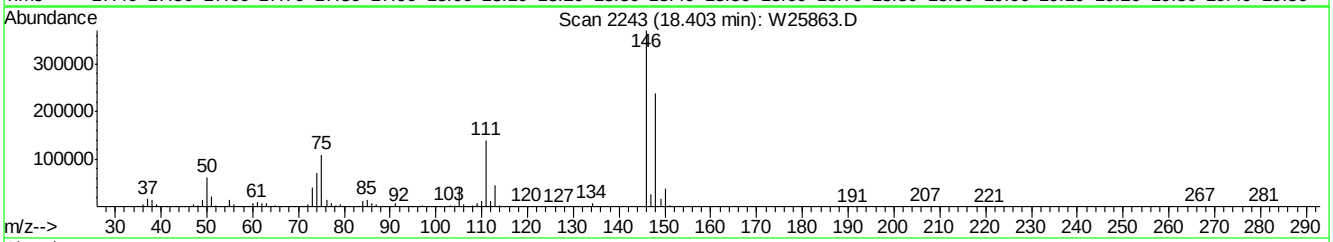
W25863.D MW1071.M Wed Apr 14 12:02:24 2010 MSW

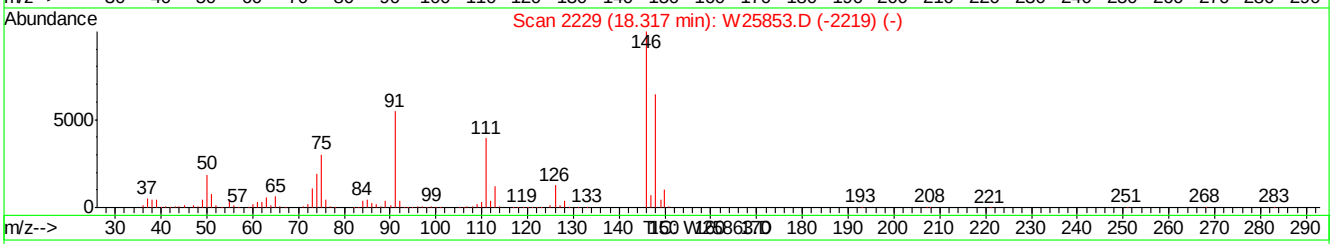
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 32.37PPBV m

response 780044

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	68.07
111.00	37.90	41.35
0.00	0.00	0.00

W25863.D MW1071.M Wed Apr 14 12:02:37 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25864.D Vial: 7
Acq On : 13 Apr 2010 5:58 am Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

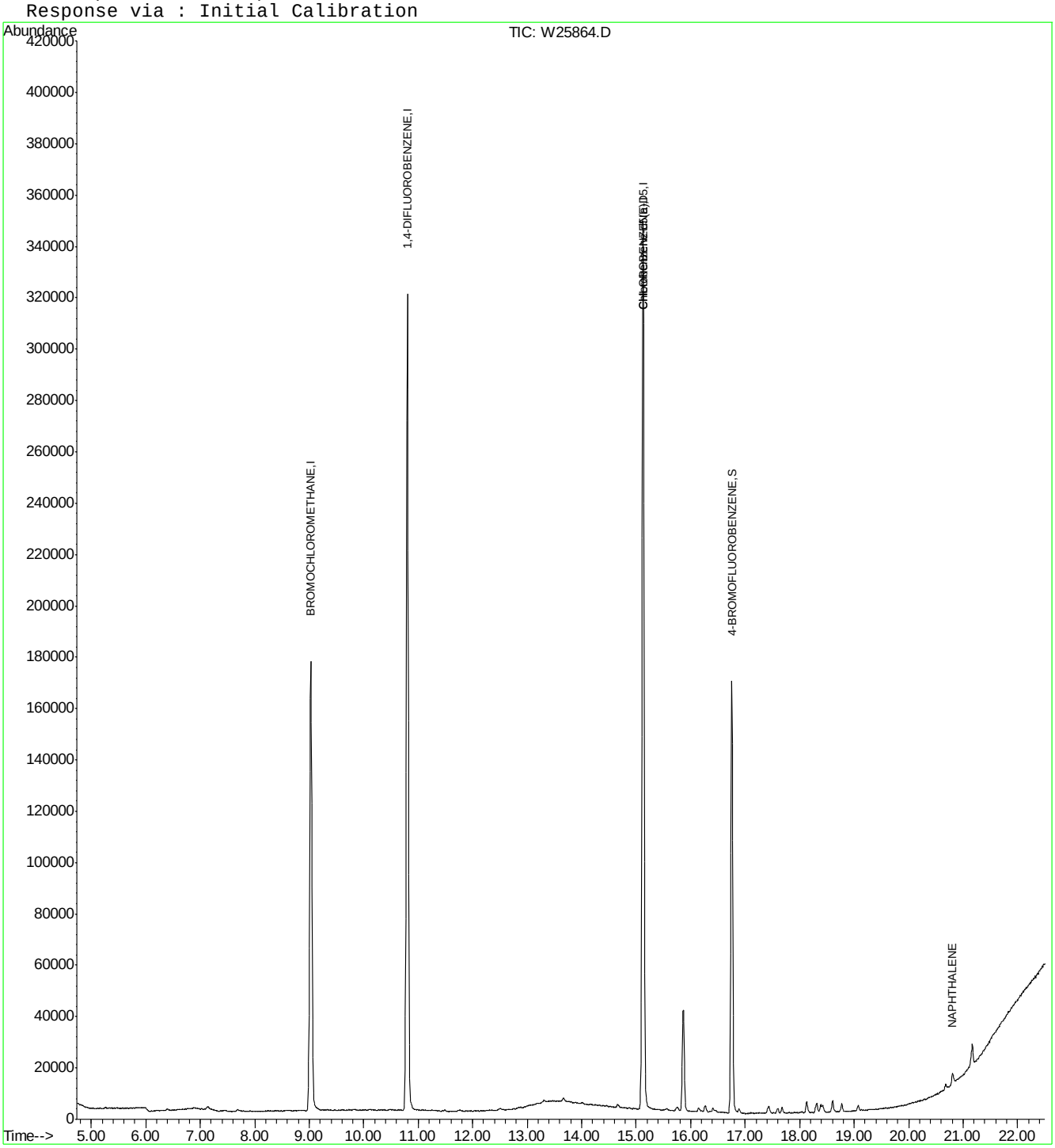
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	75091	10.00	PPBV	-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	366443	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	164229	10.00	PPBV	-0.03
96) Chlorobenzene-d5(a)	15.12	82	164444	10.00	PPBV	-0.03
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.75	95	83337	4.82	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	6325	0.63	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25864.D Vial: 7
Acq On : 13 Apr 2010 5:58 am Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25865.D Vial: 7
Acq On : 13 Apr 2010 6:39 am Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:36 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	78406	10.00	PPBV	-0.04
46) 1,4-DIFLUOROBENZENE	10.80	114	387099	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.13	82	176617	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	177062	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	90488	4.87	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.82	128	1865	0.17	PPBV	100

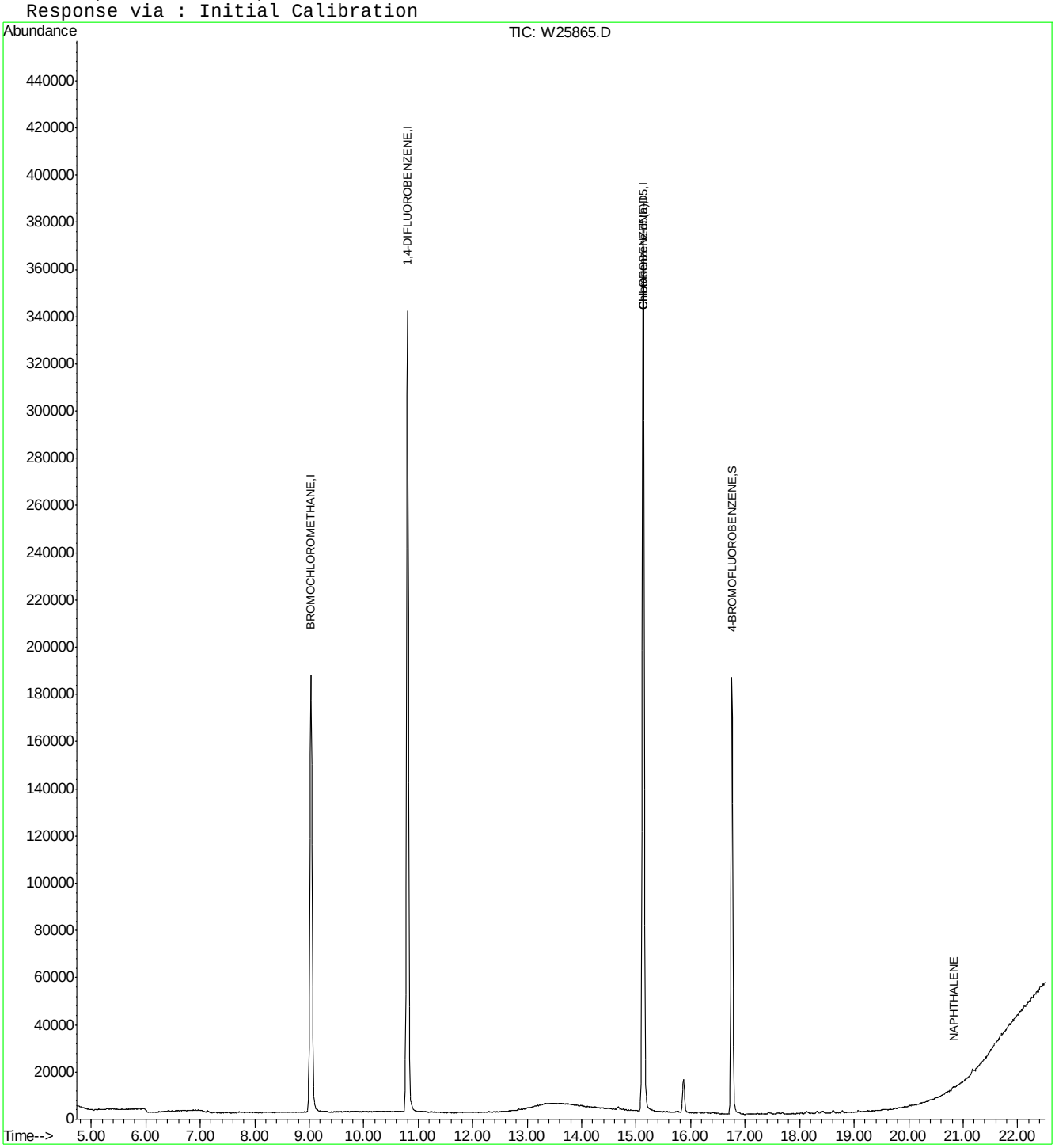
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25865.D Vial: 7
Acq On : 13 Apr 2010 6:39 am Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25866.D Vial: 6
Acq On : 13 Apr 2010 8:02 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:41 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

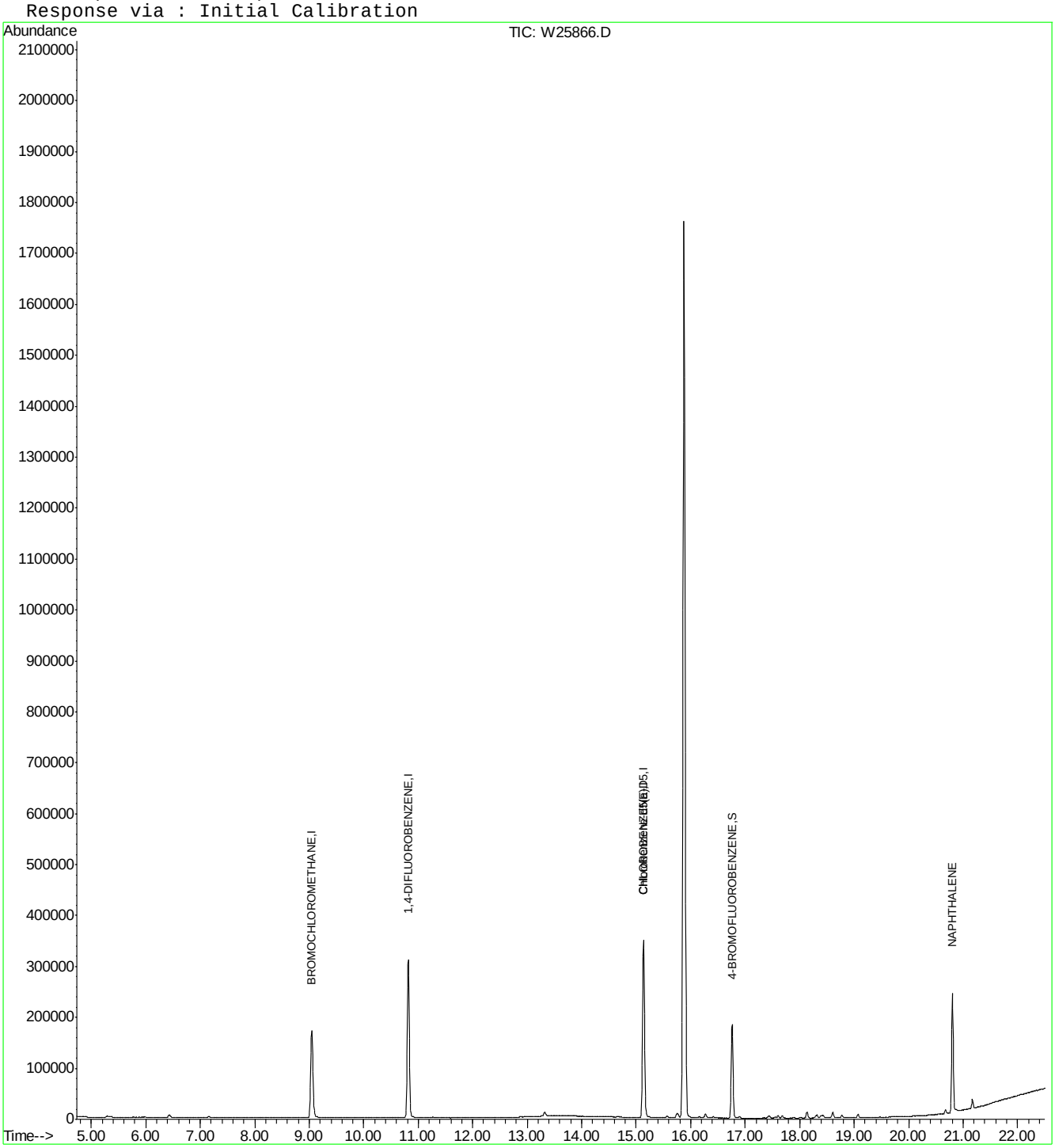
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	74550	10.00	PPBV	-0.03
46) 1,4-DIFLUOROBENZENE	10.82	114	358742	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.13	82	161859	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	161978	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	88105	5.17	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	248761	25.22	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25866.D Vial: 6
Acq On : 13 Apr 2010 8:02 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25867.D Vial: 6
Acq On : 13 Apr 2010 8:43 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:47 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

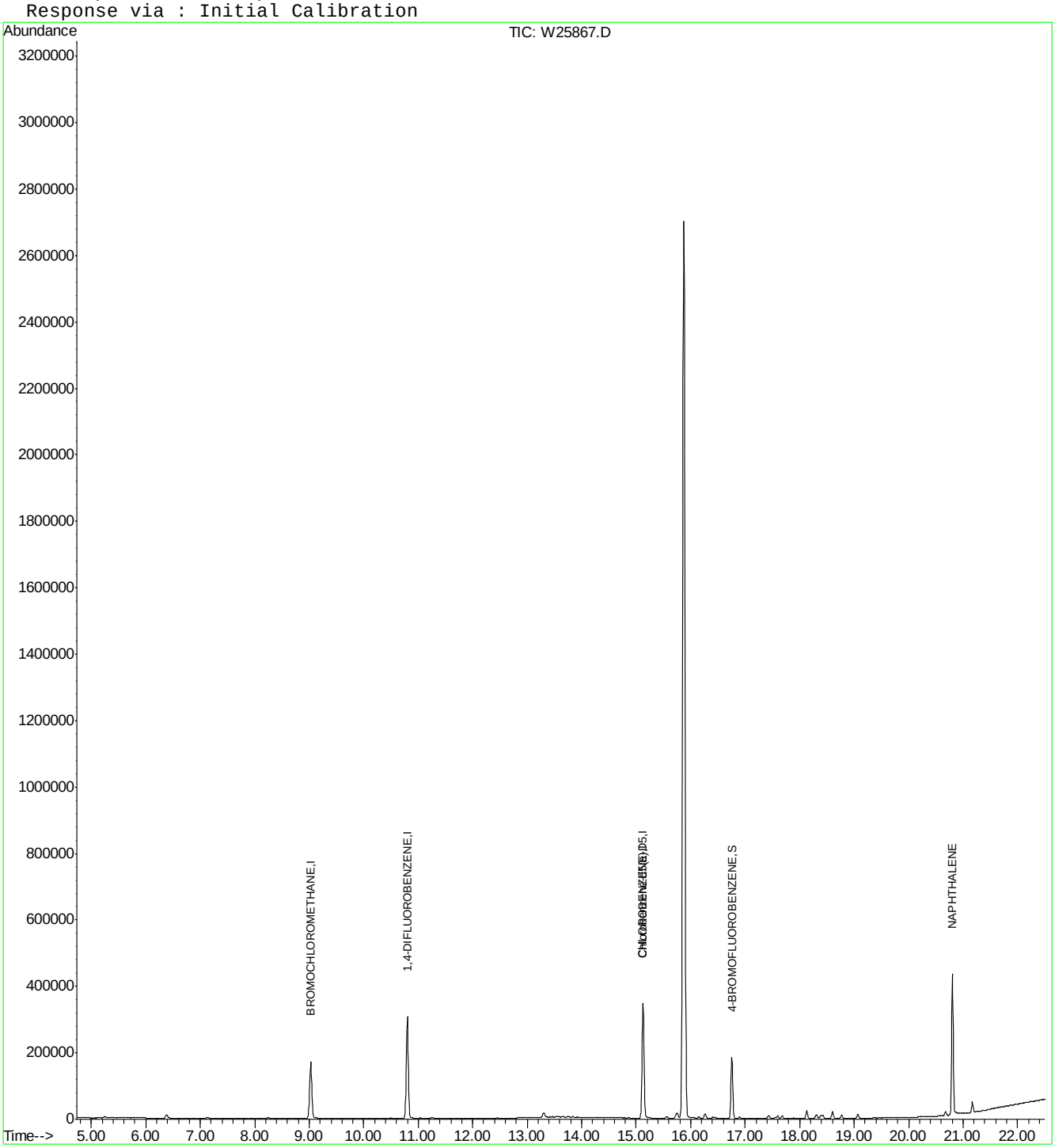
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	70791	10.00	PPBV	-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	352942	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	161300	10.00	PPBV	-0.03
96) Chlorobenzene-d5(a)	15.12	82	161536	10.00	PPBV	-0.03
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	87235	5.14	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	438030	44.53	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25867.D Vial: 6
Acq On : 13 Apr 2010 8:43 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45062

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	73373	10.00	PPBV		-0.03
46) 1,4-DIFLUOROBENZENE	10.82	114	353838	10.00	PPBV		-0.04
63) CHLOROBENZENE-D5	15.13	82	154802	10.00	PPBV		-0.02
96) Chlorobenzene-d5(a)	15.13	82	154802	10.00	PPBV		-0.02
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	83915	5.19	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.79	67	1362	0.54	PPBV		89
5) DICHLORODIFLUOROMETHANE	4.89	85	13035	0.49	PPBV		98
6) PROPYLENE	4.82	41	4941	0.51	PPBV		98
7) FREON 114	5.14	85	14347	0.49	PPBV		96
8) CHLOROMETHANE	5.06	52	1587	0.51	PPBV		92
9) VINYL CHLORIDE	5.26	62	5608	0.49	PPBV		99
10) 1,3-BUTADIENE	5.39	54	4498	0.47	PPBV	#	80
11) n-BUTANE	5.43	43	9034	0.45	PPBV		99
12) BROMOMETHANE	5.65	94	4897	0.51	PPBV		97
13) CHLOROETHANE	5.79	64	3112	0.49	PPBV		99
14) ACROLEIN	6.29	56	1899	0.47	PPBV		93
15) FREON 123	6.22	83	12138	0.49	PPBV	#	99
16) FREON 123A	6.27	117	7322	0.51	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.46	101	13142	0.50	PPBV		98
18) ISOPROPYL ALCOHOL	6.87	45	8921	0.47	PPBV	#	58
19) ACETONE	6.42	58	2587	0.55	PPBV	#	78
20) PENTANE	6.76	57	1810	0.56	PPBV		99
21) TVHC as EQUIV PENTANE	6.76	TIC	30165m	0.45	PPBV		
22) IODOMETHANE	6.98	142	13150	0.51	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.02	96	5191	0.51	PPBV		92
24) CARBON DISULFIDE	7.42	76	14529	0.46	PPBV		94
25) ETHANOL	6.23	45	2715	0.65	PPBV		89
26) BROMOETHENE	6.11	106	5183	0.53	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	5039	0.59	PPBV		92
28) 3-CHLOROPROPENE	7.24	76	2405	0.47	PPBV	#	84
29) FREON 113	7.34	151	8903	0.51	PPBV		92
30) TRANS-1,2-DICHLOROETHYLENE	7.95	96	5403	0.48	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.40	59	9067	0.37	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.24	73	12905	0.44	PPBV		93
33) TETRAHYDROFURAN	9.73	72	2239	0.46	PPBV		91
34) HEXANE	9.04	57	8358	0.43	PPBV		87
35) VINYL ACETATE	8.28	86	1129	0.42	PPBV	#	54
36) 1,1-DICHLOROETHANE	8.14	63	8997	0.44	PPBV		100
37) METHYL ETHYL KETONE	8.57	72	1977	0.39	PPBV	#	79
38) cis-1,2-DICHLOROETHYLENE	8.89	96	5170	0.45	PPBV		98
39) DI-ISOPROPYL ETHER	9.08	45	16086	0.42	PPBV		98
40) ETHYL ACETATE	9.12	61	1358	0.43	PPBV	#	86
41) CHLOROFORM	9.15	83	9776	0.46	PPBV		98
42) 2,4-DIMETHYLPENTANE	9.86	57	10121	0.44	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.07	97	9984	0.46	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.65	117	10471	0.46	PPBV		100
45)	1,2-DICHLOROETHANE	9.85	62	5588	0.41	PPBV		98
47)	BENZENE	10.51	78	15084	0.45	PPBV		98
48)	CYCLOHEXANE	10.76	84	7997	0.45	PPBV	#	82
49)	2,3-DIMETHYLPENTANE	10.96	71	4009	0.47	PPBV		98
50)	TRICHLOROETHYLENE	11.51	95	6449	0.46	PPBV		95
51)	1,2-DICHLOROPROPANE	11.29	63	5290	0.43	PPBV		97
52)	BROMODICHLOROMETHANE	11.48	83	9613	0.42	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	25567	0.44	PPBV		97
54)	1,4-DIOXANE	11.73	88	3257	0.46	PPBV	#	1
55)	METHYL METHACRYLATE	11.74	69	4271	0.39	PPBV	#	1
56)	HEPTANE	11.74	43	10091	0.41	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.74	TIC	68989m	0.75	PPBV		
58)	METHYL ISOBUTYL KETONE	12.48	43	8888	0.38	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.34	75	7218	0.38	PPBV		91
60)	TOLUENE	13.31	92	10014	0.42	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.85	75	5682	0.36	PPBV		92
62)	1,1,2-TRICHLOROETHANE	13.04	83	4631	0.45	PPBV		99
64)	2-HEXANONE	13.66	43	7999	0.42	PPBV		87
65)	TETRACHLOROETHYLENE	14.47	164	7011	0.53	PPBV		94
66)	DIBROMOCHLOROMETHANE	13.76	129	9239	0.49	PPBV		100
67)	1,2-DIBROMOETHANE	14.01	107	7109	0.46	PPBV		99
68)	OCTANE	14.27	43	11348	0.47	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	6755	0.48	PPBV	#	97
70)	CHLOROBENZENE	15.18	112	11666	0.44	PPBV		84
71)	ETHYLBENZENE	15.57	91	18258	0.44	PPBV		99
72)	m,p-XYLENE	15.76	106	14302	0.90	PPBV		95
73)	o-XYLENE	16.27	106	6671	0.44	PPBV		99
74)	STYRENE	16.15	104	8481	0.38	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.41	75	6917	0.45	PPBV		98
76)	NONANE	16.46	43	10089	0.46	PPBV		93
77)	BROMOFORM	15.87	173	7475	0.43	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	8159	0.45	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	19181	0.46	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	4101	0.42	PPBV	#	1
82)	n-PROPYLBENZENE	17.44	120	4588	0.43	PPBV		95
83)	4-ETHYLTOLUENE	17.60	105	14379	0.41	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	12544m	0.37	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	3520	0.46	PPBV		93
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	10952	0.41	PPBV	#	84
87)	m-DICHLOROBENZENE	18.32	146	6427	0.39	PPBV		96
88)	BENZYL CHLORIDE	18.30	91	5187	0.27	PPBV		99
89)	p-DICHLOROBENZENE	18.39	146	6046m	0.36	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	3756	0.44	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	3476	0.43	PPBV		95
92)	o-DICHLOROBENZENE	18.77	146	5666	0.39	PPBV		93
93)	n-BUTYLBENZENE	19.07	134	2233	0.33	PPBV		87
94)	HEXACHLOROBUTADIENE	21.17	225	2611	0.68	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.69	180	1548	0.46	PPBV		88

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

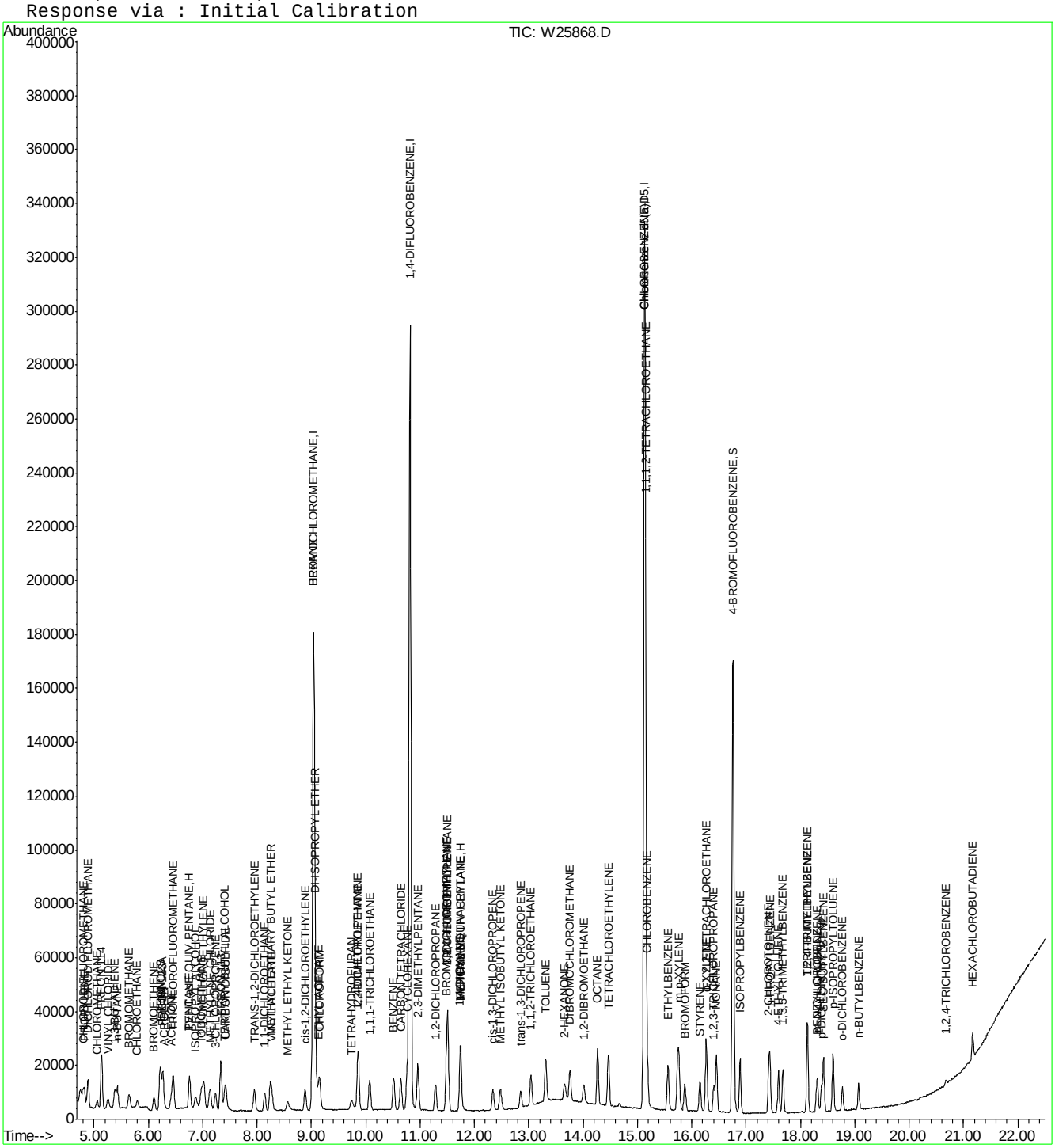
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

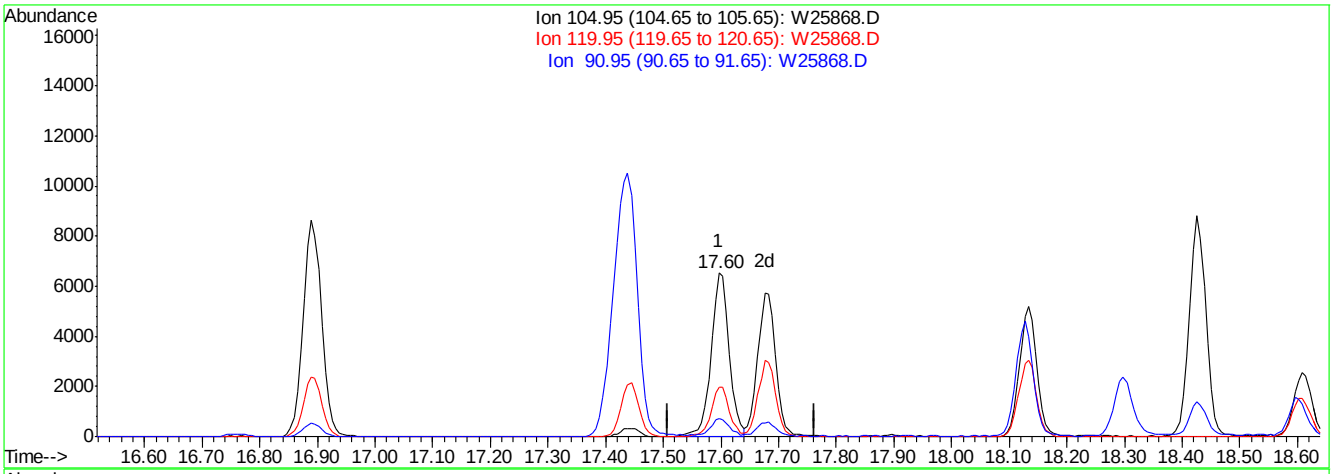


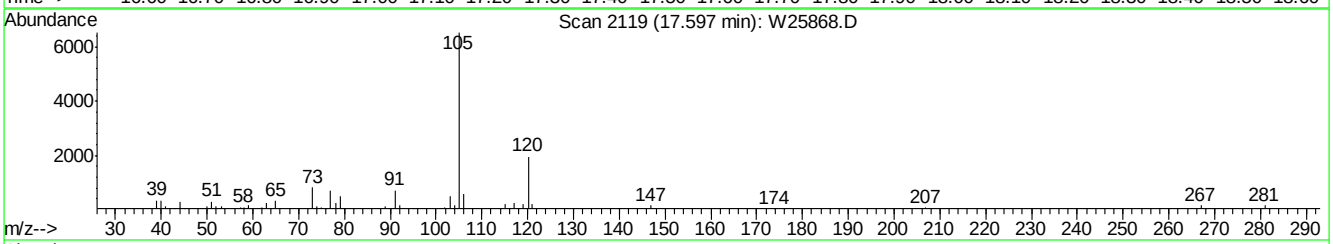
ACCUTEST Laboratories JA45062

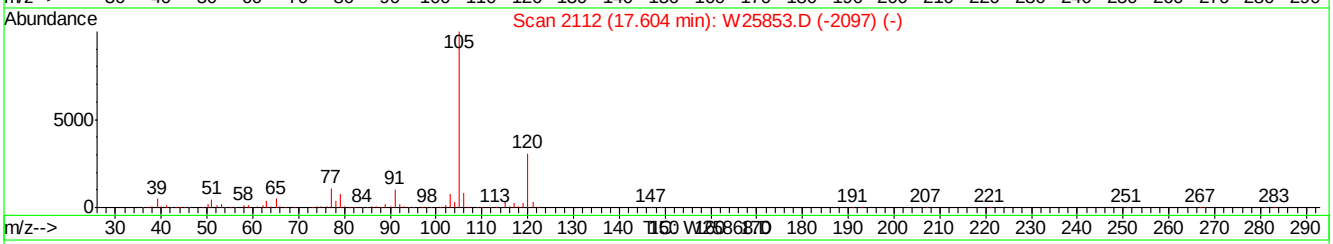
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:52 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 0.43PPBV

response 14379

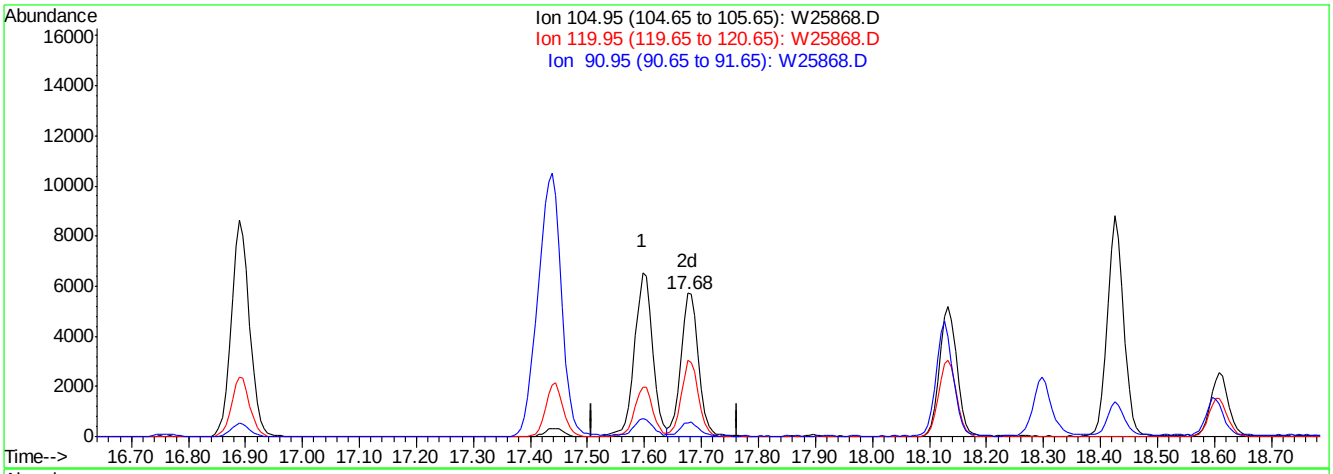
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.65
90.95	9.70	9.35
0.00	0.00	0.00

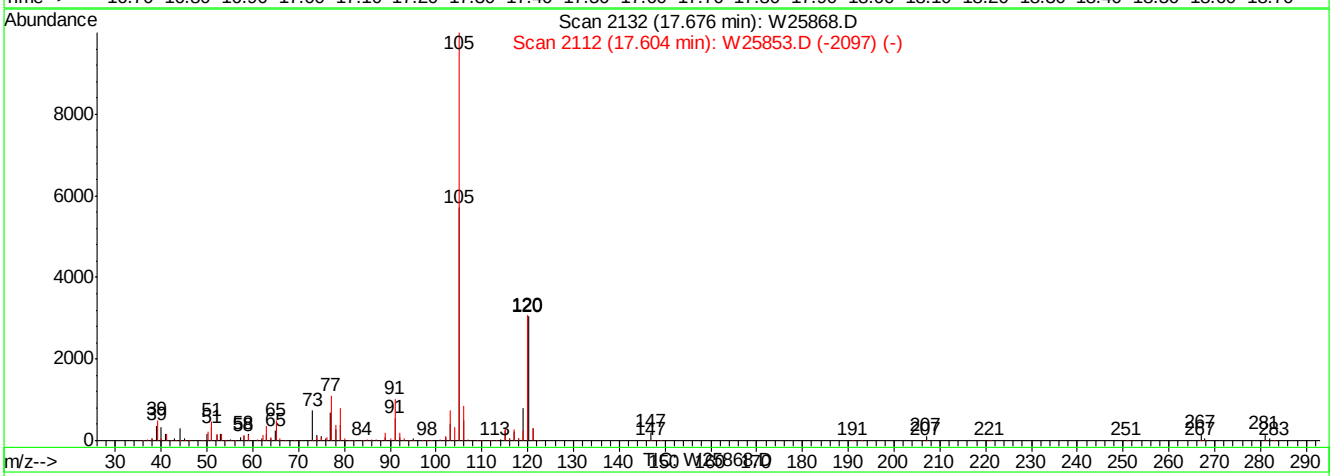
W25868.D MW1071.M Wed Apr 14 11:48:06 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.37PPBV m

response 12544

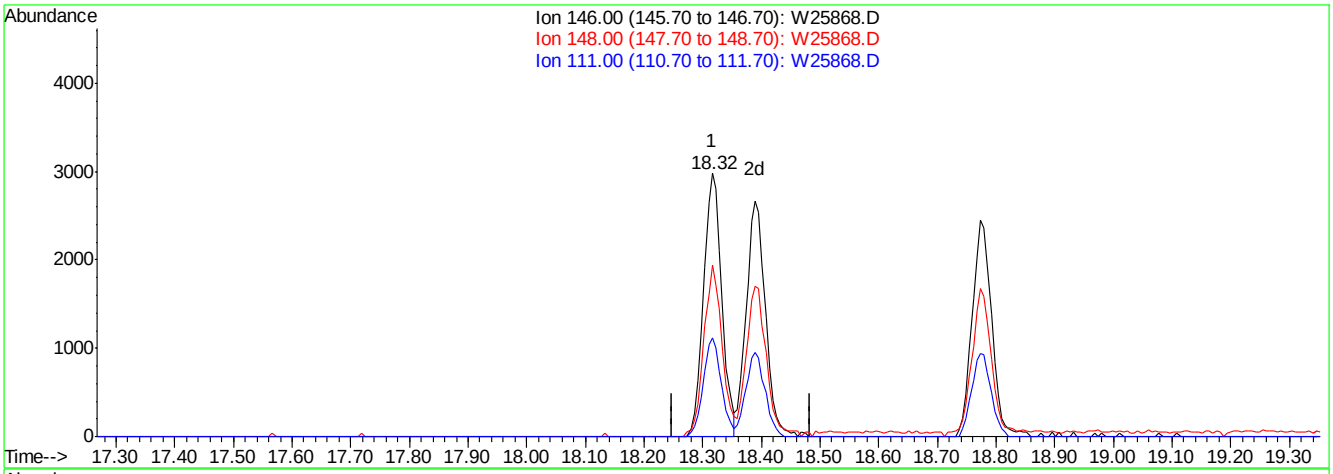
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	35.13
90.95	9.70	10.71
0.00	0.00	0.00

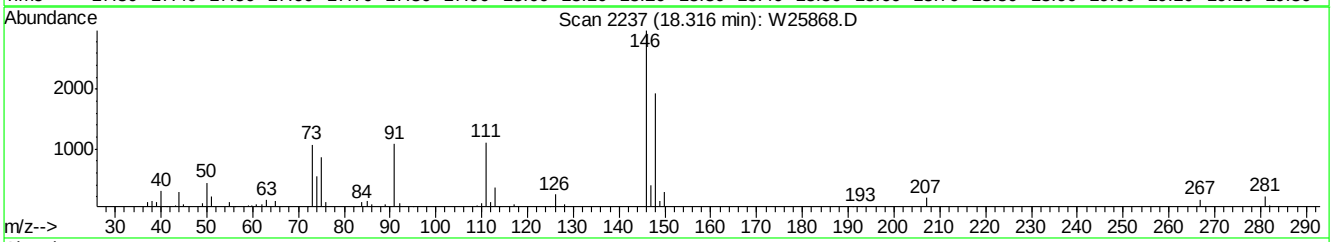
W25868.D MW1071.M Wed Apr 14 11:48:12 2010 MSW

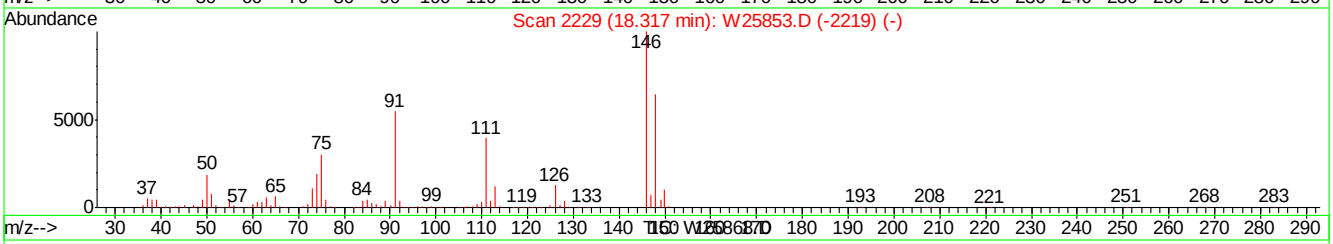
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.39PPBV

response 6427

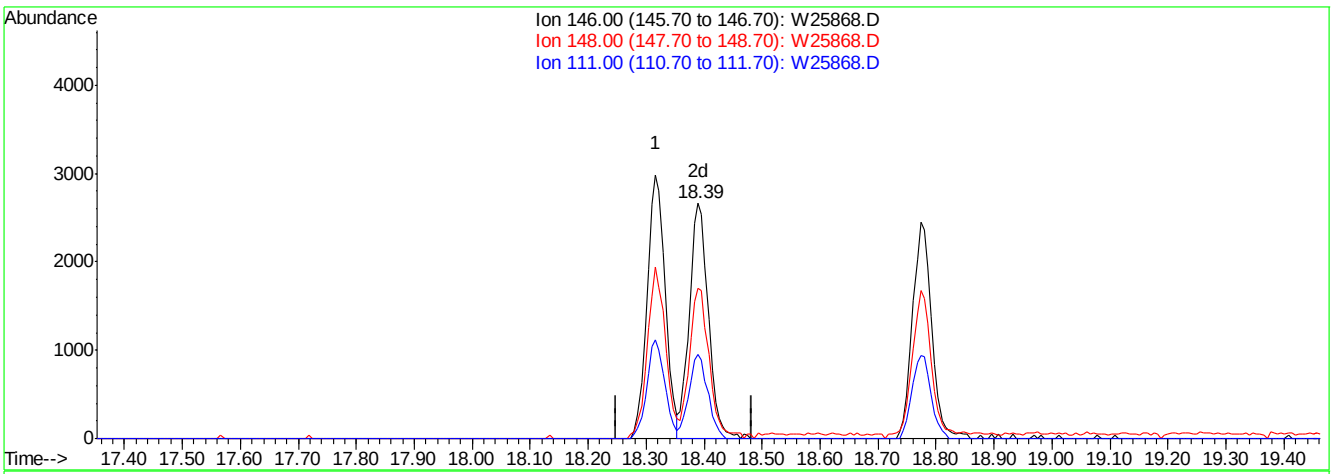
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.72
111.00	37.90	37.33
0.00	0.00	0.00

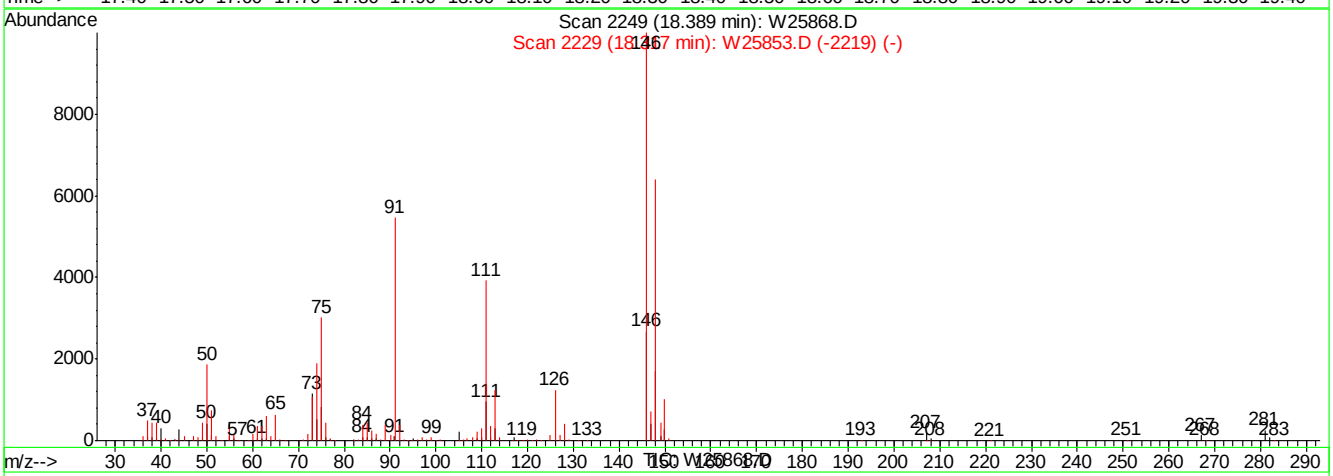
W25868.D MW1071.M Wed Apr 14 12:02:46 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.36PPBV m

response 6046

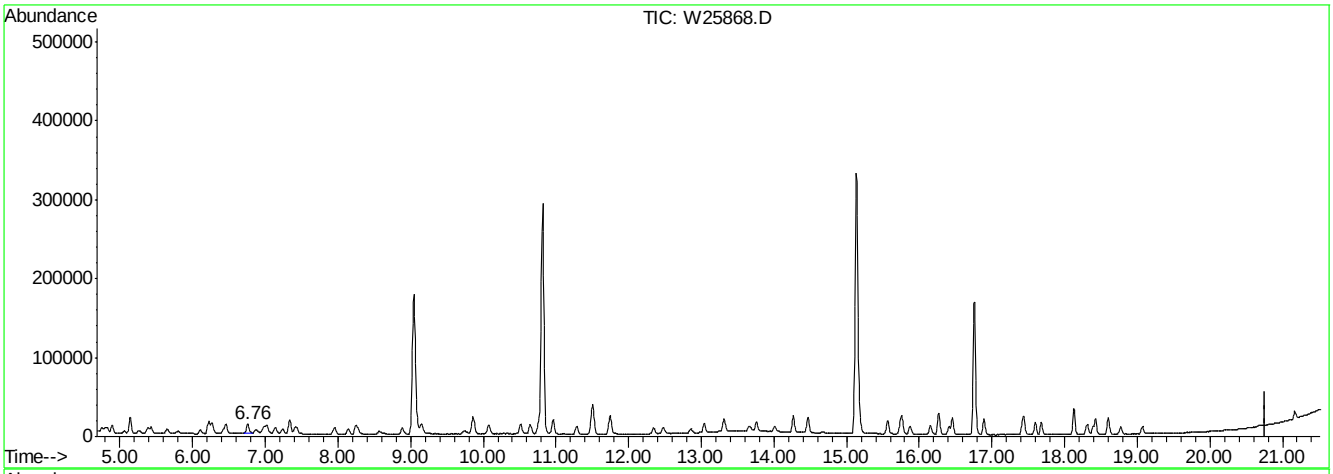
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	70.92
111.00	37.90	39.68
0.00	0.00	0.00

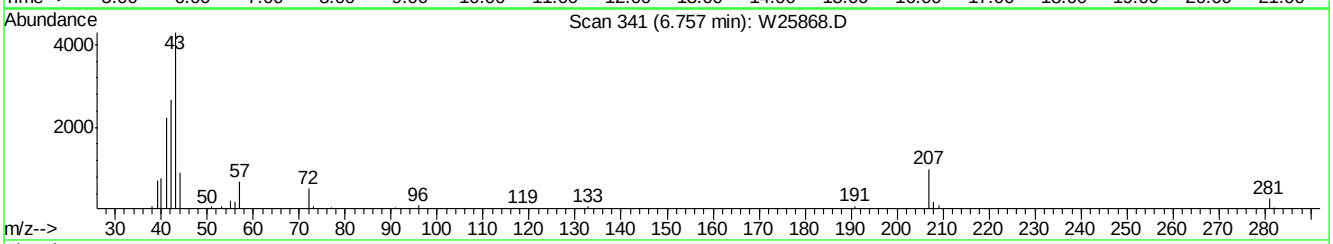
W25868.D MW1071.M Wed Apr 14 12:02:53 2010 MSW

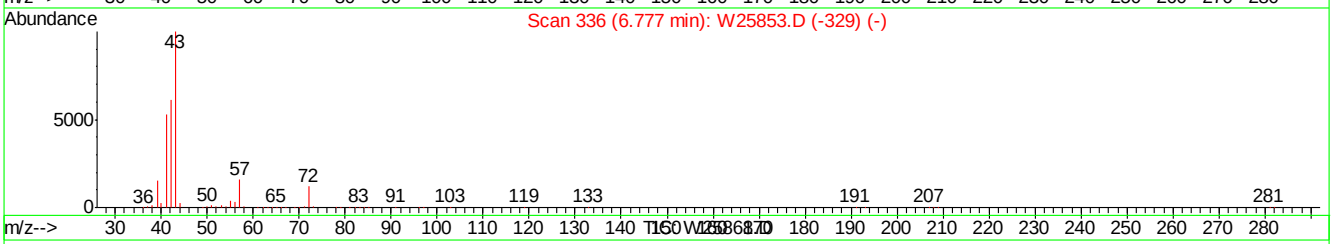
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.76min 0.45PPBV m

response 30165

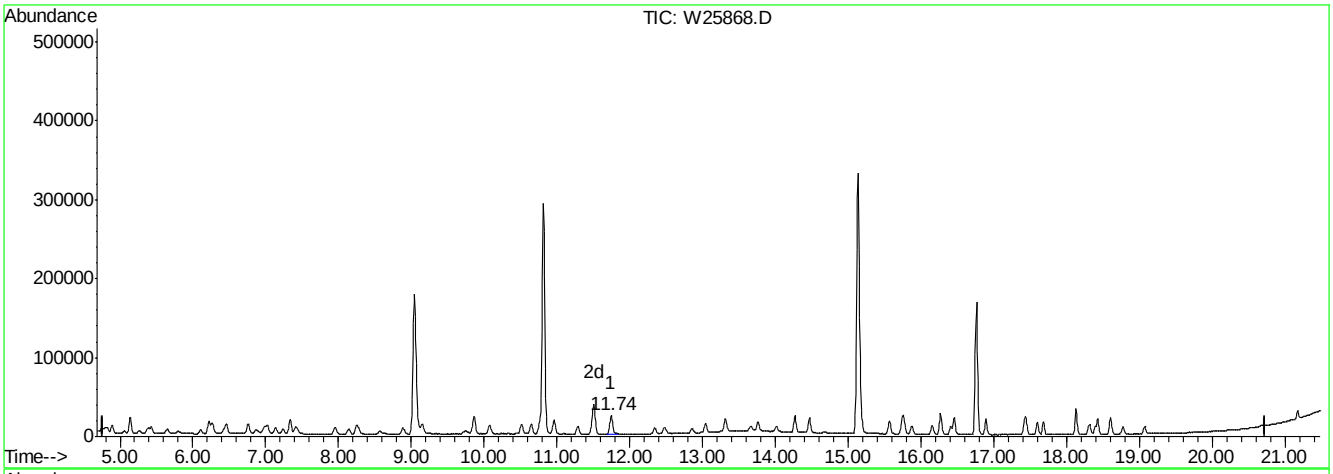
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

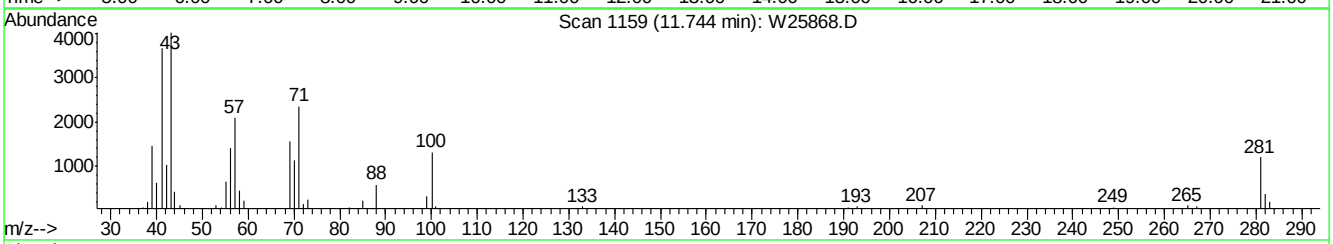
W25868.D MW1071.M Wed Apr 14 14:16:13 2010 MSW

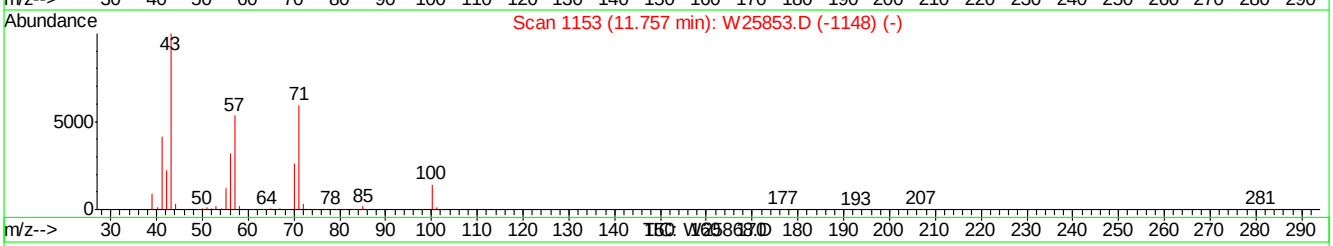
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.74min 0.75PPBV m

response 68989

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25868.D MW1071.M Wed Apr 14 14:16:17 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	69981	10.00	PPBV		-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	336533	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.13	82	147684	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.13	82	147985	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	79611	5.14	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.78	67	663	0.27	PPBV	#	78
5) DICHLORODIFLUOROMETHANE	4.88	85	5760	0.23	PPBV		98
6) PROPYLENE	4.81	41	2166	0.23	PPBV		93
7) FREON 114	5.12	85	6291	0.23	PPBV		96
8) CHLOROMETHANE	5.05	52	715	0.24	PPBV	#	84
9) VINYL CHLORIDE	5.25	62	2531	0.23	PPBV		97
10) 1,3-BUTADIENE	5.37	54	2000	0.22	PPBV	#	62
11) n-BUTANE	5.42	43	4141	0.22	PPBV		97
12) BROMOMETHANE	5.64	94	2135	0.23	PPBV		94
13) CHLOROETHANE	5.79	64	1372	0.23	PPBV		99
14) ACROLEIN	6.27	56	817m	0.21	PPBV		
15) FREON 123	6.20	83	5538	0.24	PPBV	#	98
16) FREON 123A	6.25	117	3318	0.24	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.45	101	5792	0.23	PPBV		97
18) ISOPROPYL ALCOHOL	6.84	45	3490m	0.19	PPBV		
19) ACETONE	6.40	58	1021	0.22	PPBV	#	63
20) PENTANE	6.75	57	902	0.28	PPBV	#	80
21) TVHC as EQUIV PENTANE	6.75	TIC	12598m	0.20	PPBV		
22) IODOMETHANE	6.97	142	5709	0.23	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.01	96	2419	0.25	PPBV		98
24) CARBON DISULFIDE	7.41	76	6474	0.22	PPBV		91
25) ETHANOL	6.18	45	1136m	0.27	PPBV		
26) BROMOETHENE	6.10	106	2221	0.24	PPBV	#	99
27) METHYLENE CHLORIDE	7.12	84	2524	0.30	PPBV		94
28) 3-CHLOROPROPENE	7.22	76	1096	0.23	PPBV	#	87
29) FREON 113	7.32	151	3846	0.23	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.94	96	2425	0.23	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.40	59	4144m	0.18	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.23	73	5101	0.18	PPBV		88
33) TETRAHYDROFURAN	9.72	72	830	0.18	PPBV	#	1
34) HEXANE	9.03	57	3698	0.20	PPBV		85
35) VINYL ACETATE	8.25	86	425	0.17	PPBV	#	23
36) 1,1-DICHLOROETHANE	8.12	63	4069	0.21	PPBV		100
37) METHYL ETHYL KETONE	8.56	72	756	0.16	PPBV		94
38) cis-1,2-DICHLOROETHYLENE	8.87	96	2480	0.23	PPBV		93
39) DI-ISOPROPYL ETHER	9.06	45	6601	0.18	PPBV		97
40) ETHYL ACETATE	9.11	61	492	0.17	PPBV	#	63
41) CHLOROFORM	9.13	83	4333	0.21	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.85	57	4444	0.21	PPBV		97
43) 1,1,1-TRICHLOROETHANE	10.06	97	4503	0.22	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.63	117	4679	0.22	PPBV		98
45)	1,2-DICHLOROETHANE	9.83	62	2475	0.20	PPBV		97
47)	BENZENE	10.51	78	6719	0.21	PPBV		98
48)	CYCLOHEXANE	10.75	84	3544	0.21	PPBV	#	77
49)	2,3-DIMETHYLPENTANE	10.95	71	1733	0.22	PPBV		89
50)	TRICHLOROETHYLENE	11.49	95	2837	0.21	PPBV		96
51)	1,2-DICHLOROPROPANE	11.27	63	2383	0.21	PPBV		99
52)	BROMODICHLOROMETHANE	11.46	83	4274	0.20	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.50	57	11316	0.21	PPBV		96
54)	1,4-DIOXANE	11.74	88	1239	0.19	PPBV	#	1
55)	METHYL METHACRYLATE	11.73	69	1621	0.16	PPBV	#	1
56)	HEPTANE	11.73	43	4492	0.20	PPBV		87
57)	TVHC as EQUIV HEPTANE	11.73	TIC	27796m	0.29	PPBV		
58)	METHYL ISOBUTYL KETONE	12.47	43	3465	0.16	PPBV		90
59)	cis-1,3-DICHLOROPROPENE	12.33	75	3133	0.18	PPBV		87
60)	TOLUENE	13.30	92	4365	0.20	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.84	75	2488	0.17	PPBV		87
62)	1,1,2-TRICHLOROETHANE	13.03	83	2003	0.21	PPBV		98
64)	2-HEXANONE	13.65	43	3369	0.19	PPBV		79
65)	TETRACHLOROETHYLENE	14.46	164	3032	0.24	PPBV		95
66)	DIBROMOCHLOROMETHANE	13.75	129	4098	0.23	PPBV		96
67)	1,2-DIBROMOETHANE	14.01	107	3029	0.21	PPBV		99
68)	OCTANE	14.26	43	5103	0.22	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	2994	0.23	PPBV	#	95
70)	CHLOROBENZENE	15.18	112	5102	0.21	PPBV		96
71)	ETHYLBENZENE	15.56	91	7669	0.20	PPBV		99
72)	m,p-XYLENE	15.75	106	5716	0.38	PPBV		94
73)	o-XYLENE	16.26	106	2670	0.19	PPBV		98
74)	STYRENE	16.15	104	3493	0.17	PPBV		98
75)	1,2,3-TRICHLOROPROPANE	16.41	75	2884	0.20	PPBV		93
76)	NONANE	16.45	43	4294	0.21	PPBV		90
77)	BROMOFORM	15.87	173	3184	0.20	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	3396	0.20	PPBV		98
80)	ISOPROPYLBENZENE	16.89	105	7594	0.19	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	1642	0.18	PPBV	#	85
82)	n-PROPYLBENZENE	17.44	120	1686	0.17	PPBV		90
83)	4-ETHYLTOLUENE	17.60	105	5277	0.16	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	4762m	0.15	PPBV		
85)	TERT-BUTYLBENZENE	18.12	134	1324	0.18	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	4013	0.16	PPBV	#	79
87)	m-DICHLOROBENZENE	18.32	146	2516	0.16	PPBV		92
88)	BENZYL CHLORIDE	18.30	91	1992	0.12	PPBV		95
89)	p-DICHLOROBENZENE	18.39	146	2401m	0.16	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	1374	0.17	PPBV	#	96
91)	p-ISOPROPYLTOLUENE	18.60	134	1222	0.16	PPBV		95
92)	o-DICHLOROBENZENE	18.77	146	2198	0.17	PPBV		88
93)	n-BUTYLBENZENE	19.07	134	650	0.11	PPBV		94
94)	HEXACHLOROBUTADIENE	21.17	225	1037	0.27	PPBV		87
95)	1,2,4-TRICHLOROBENZENE	20.69	180	512	0.16	PPBV	#	65

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

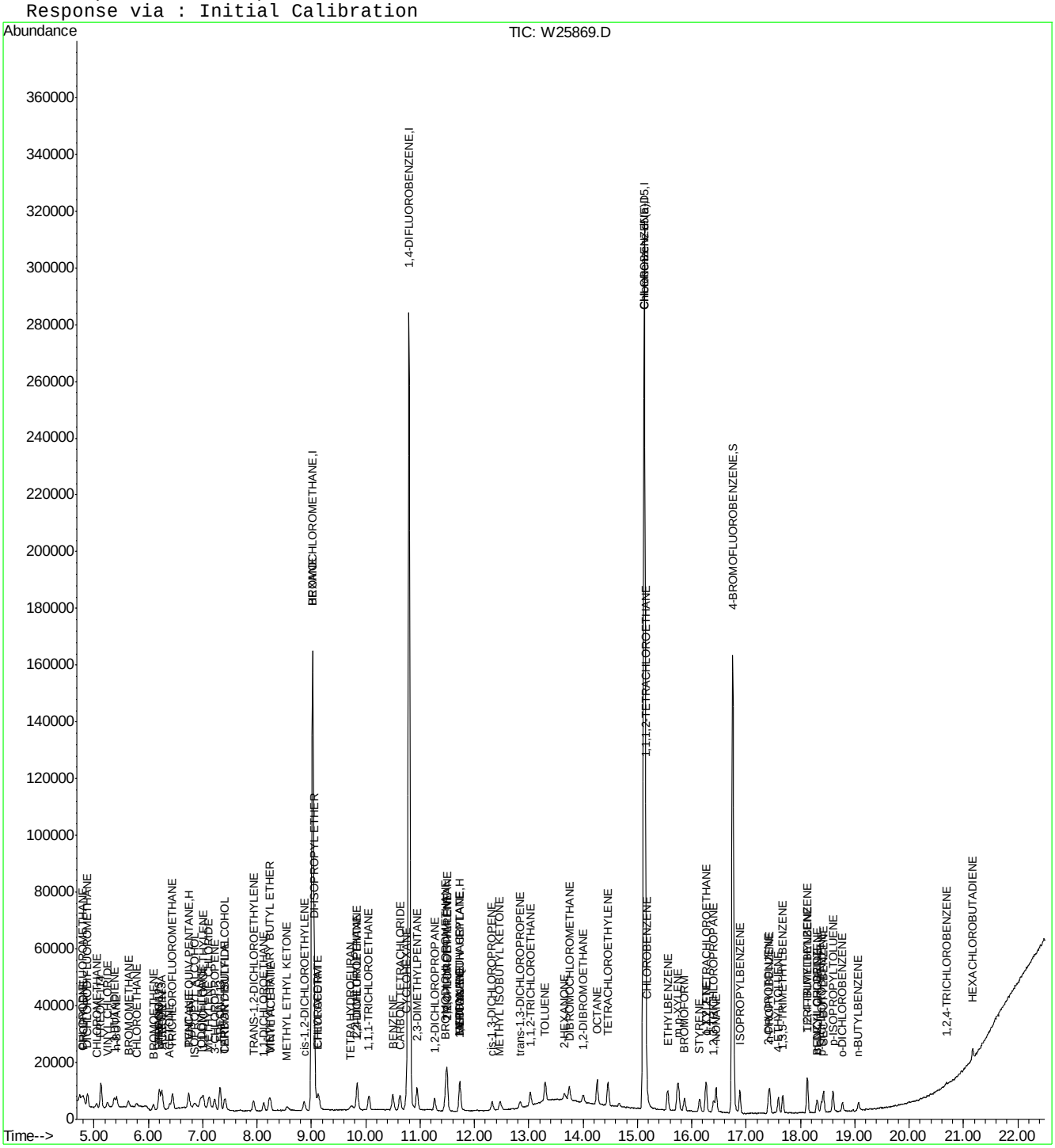
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: MW1071.RES

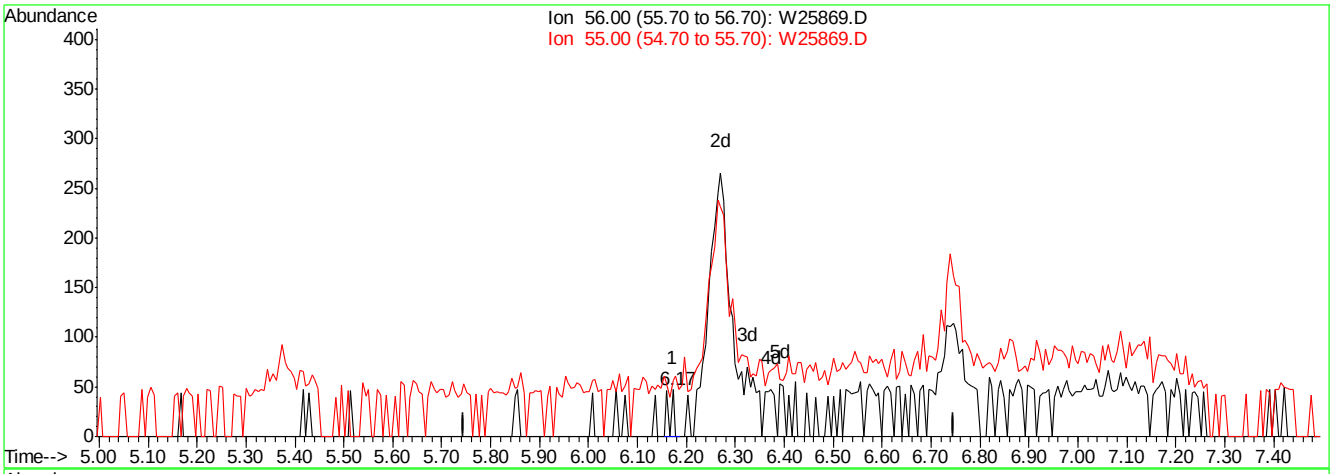
Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

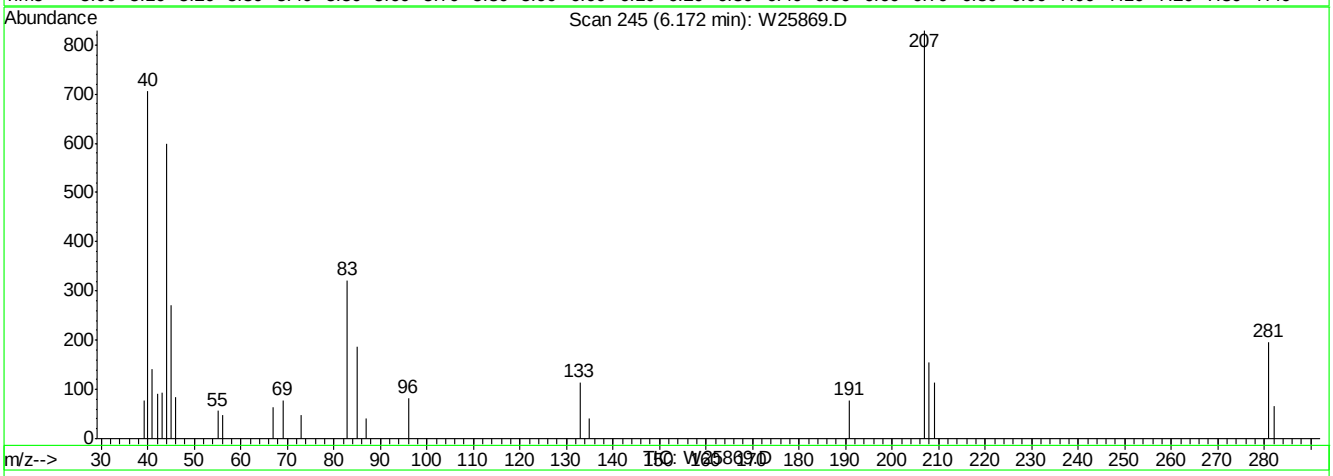


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(14) ACROLEIN

6.17min 0.01PPBV

response 34

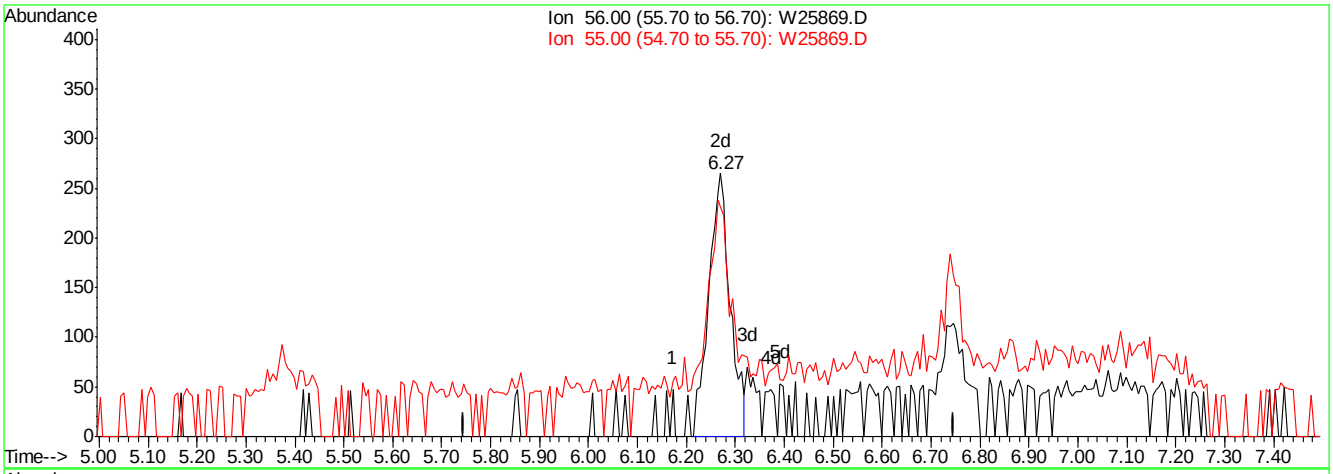
Ion	Exp%	Act%
56.00	100	100
55.00	67.50	76.47
0.00	0.00	0.00
0.00	0.00	0.00

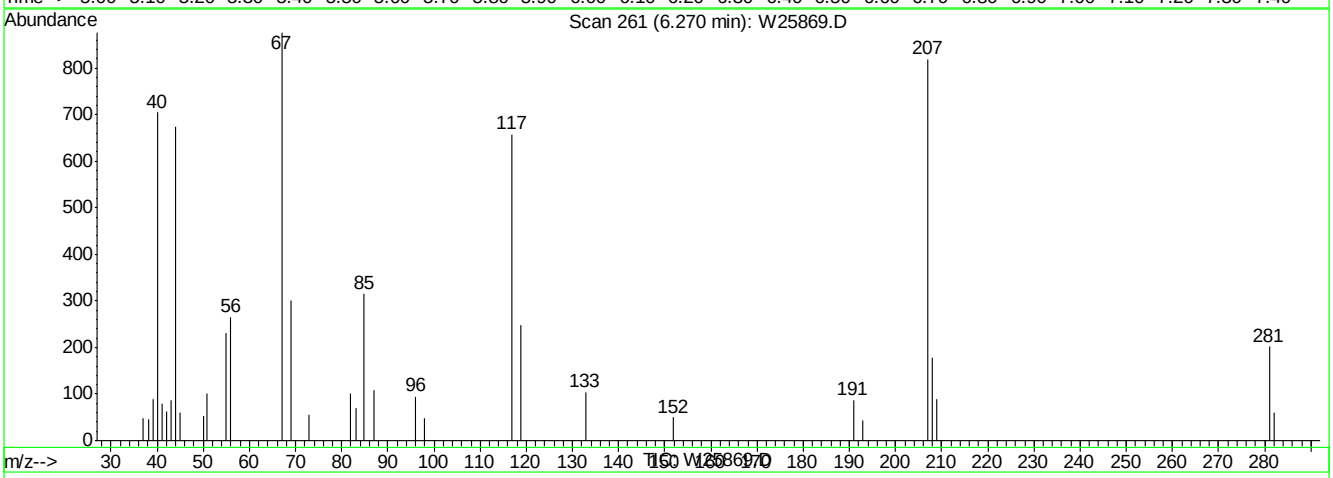
W25869.D MW1071.M Tue Apr 13 13:16:40 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(14) ACROLEIN

6.27min 0.21PPBV m

response 817

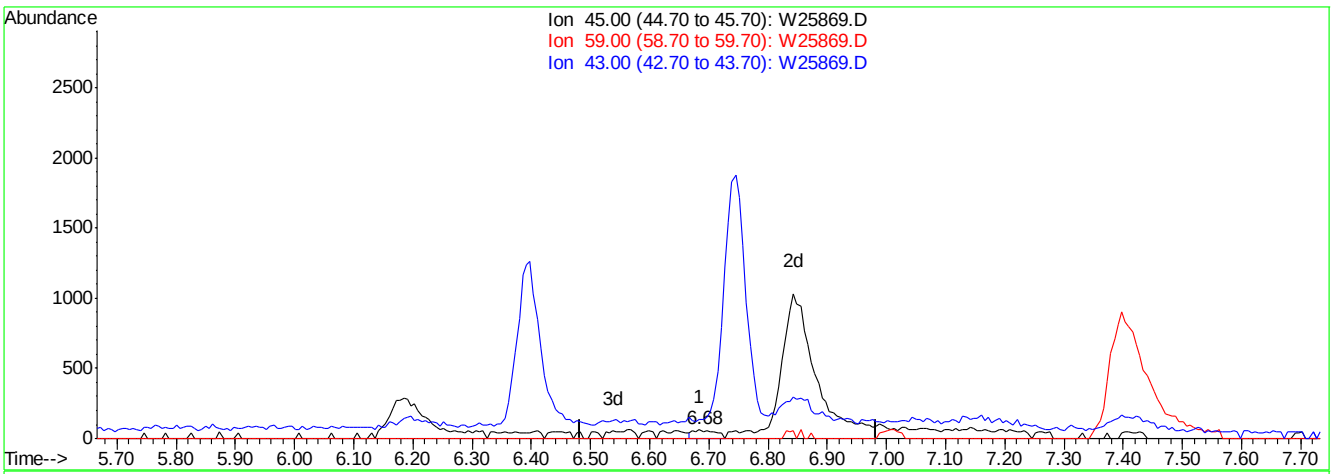
Ion	Exp%	Act%
56.00	100	100
55.00	67.50	3.18#
0.00	0.00	0.00
0.00	0.00	0.00

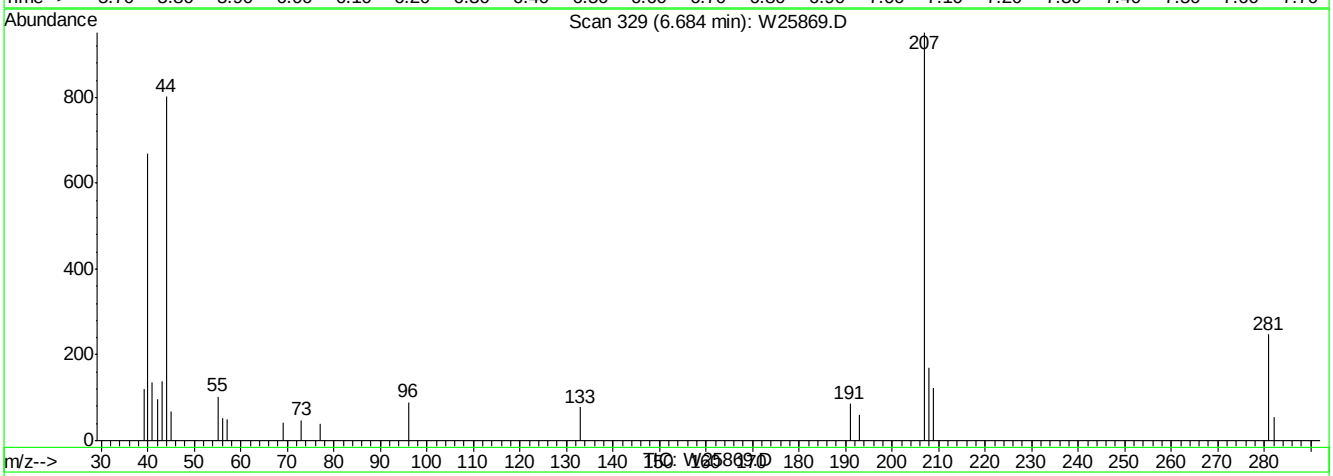
W25869.D MW1071.M Tue Apr 13 13:16:47 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(18) ISOPROPYL ALCOHOL

6.68min 0.01PPBV

response 168

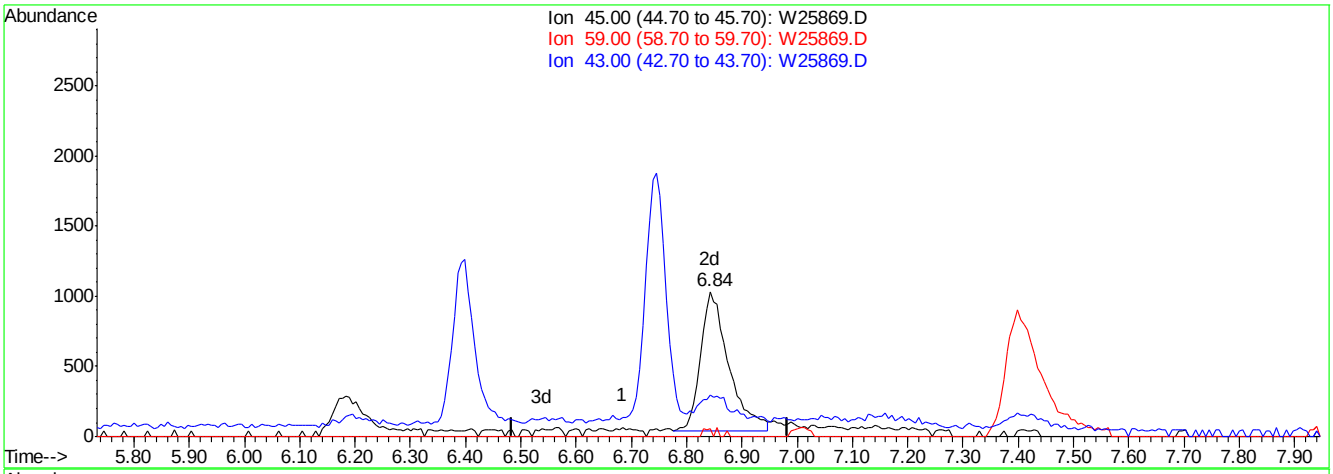
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	53.90	207.46#
0.00	0.00	0.00

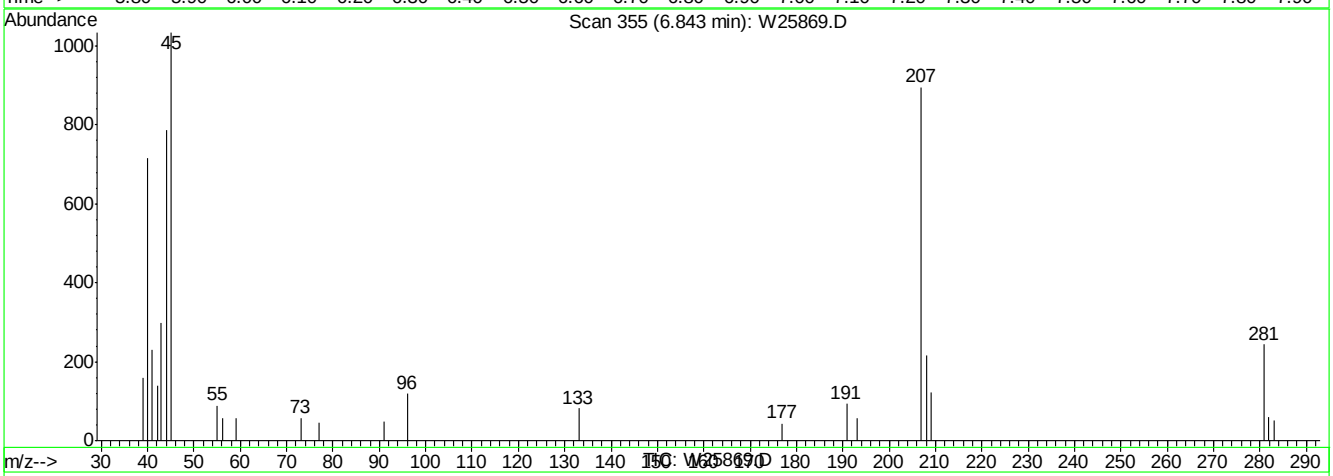
W25869.D MW1071.M Tue Apr 13 13:16:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(18) ISOPROPYL ALCOHOL

6.84min 0.19PPBV m

response 3490

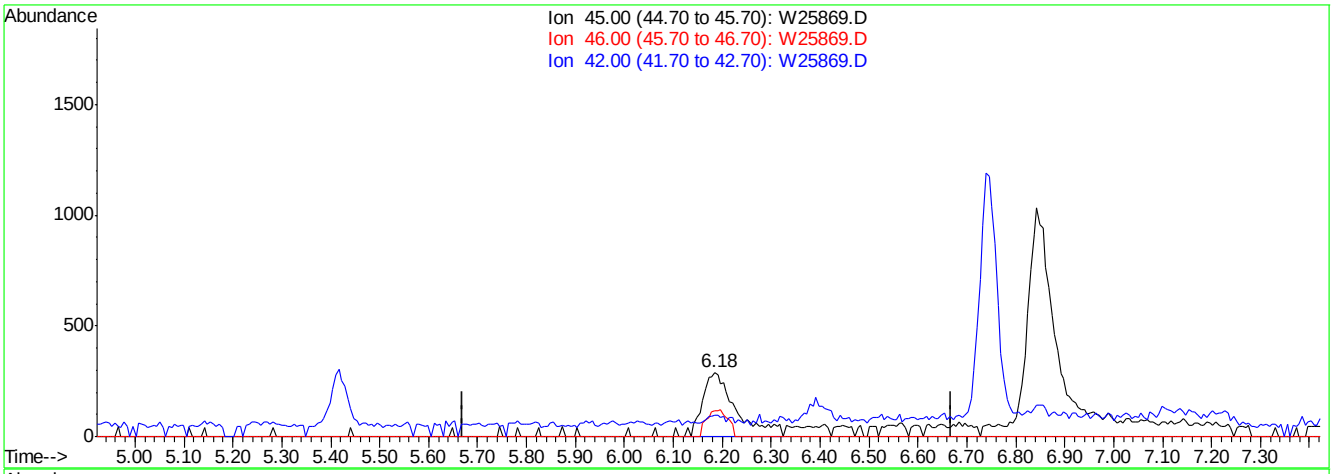
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	5.61
43.00	53.90	28.92#
0.00	0.00	0.00

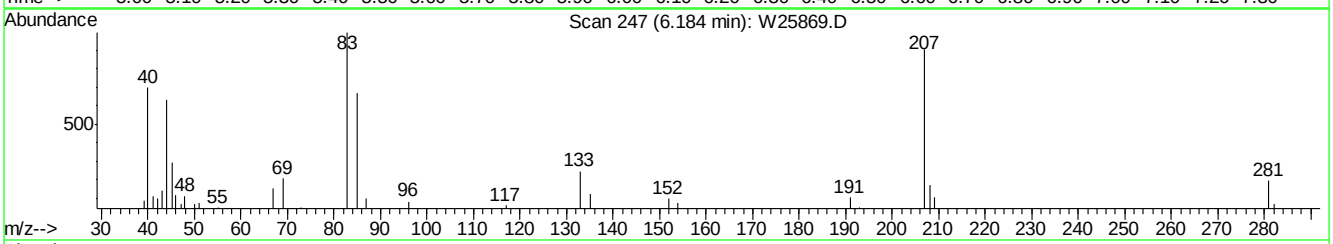
W25869.D MW1071.M Tue Apr 13 13:17:01 2010 MSW

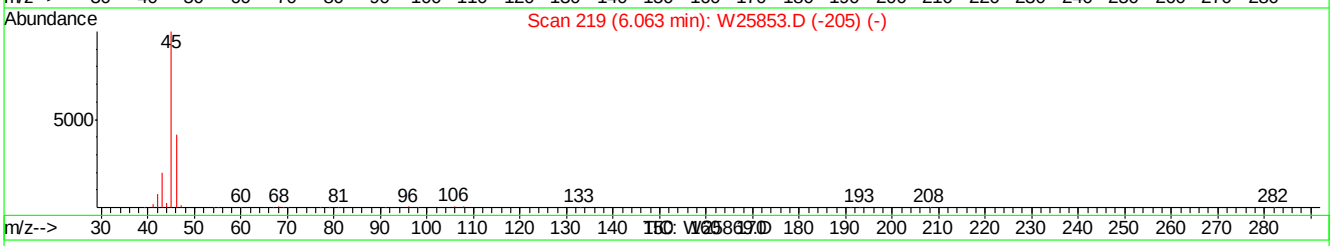
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration







(25) ETHANOL

6.18min 0.33PPBV

response 1382

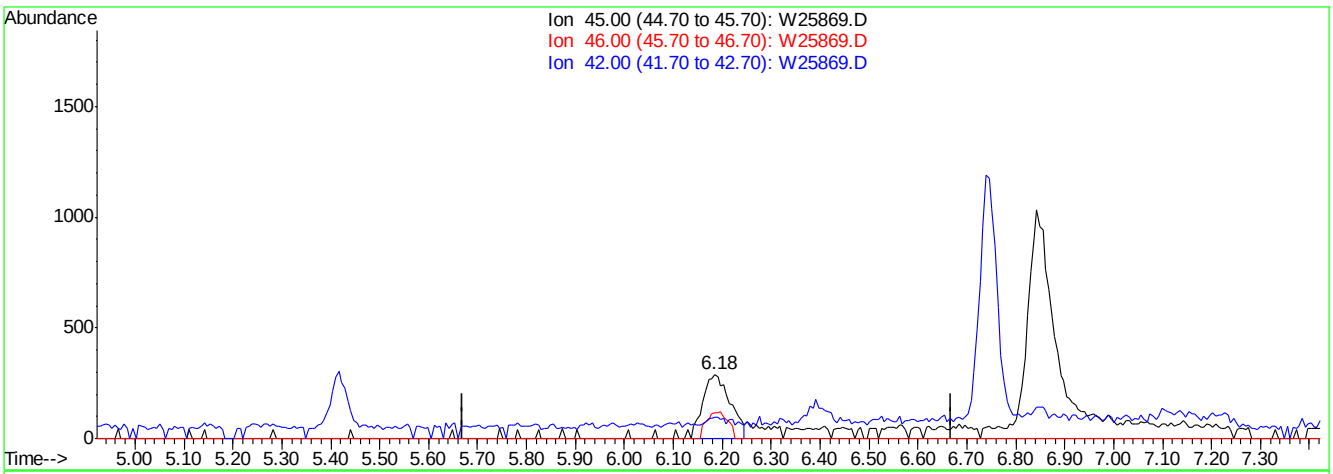
Ion	Exp%	Act%
45.00	100	100
46.00	41.70	26.48
42.00	6.60	10.93
0.00	0.00	0.00

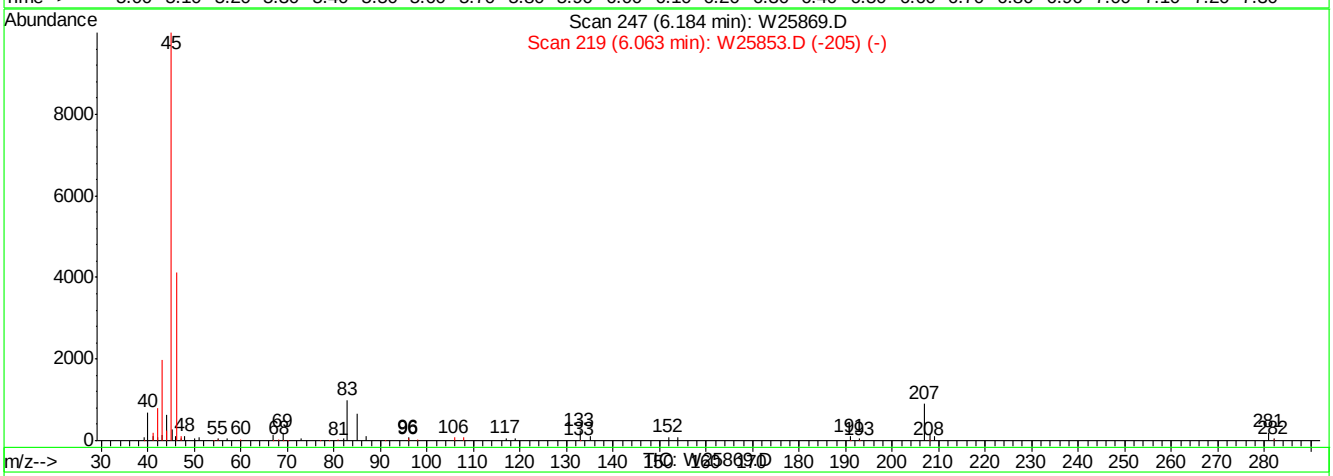
W25869.D MW1071.M Tue Apr 13 13:18:23 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(25) ETHANOL

6.18min 0.27PPBV m

response 1136

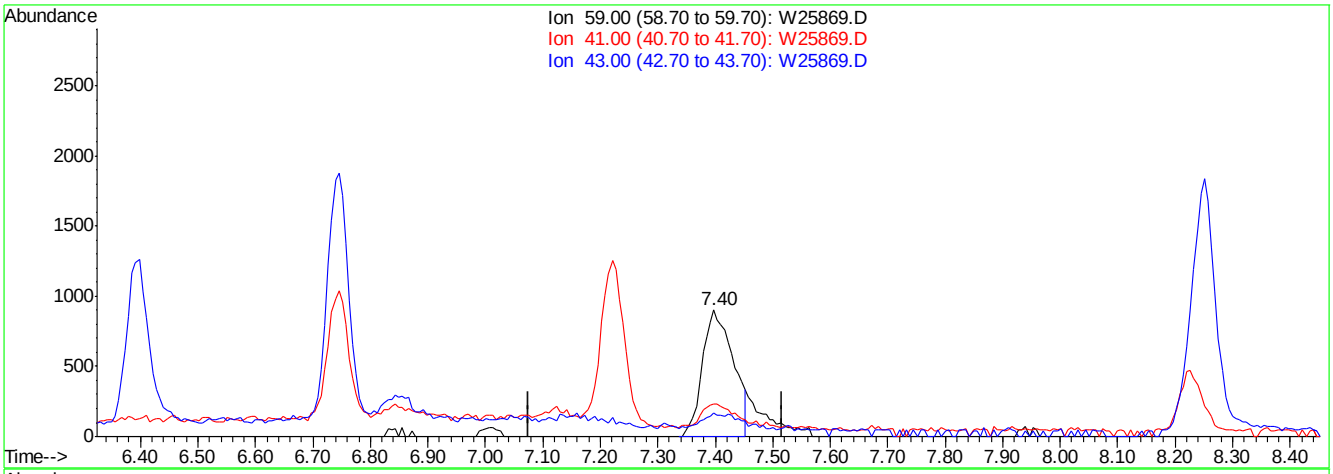
Ion	Exp%	Act%
45.00	100	100
46.00	41.70	32.22
42.00	6.60	13.29
0.00	0.00	0.00

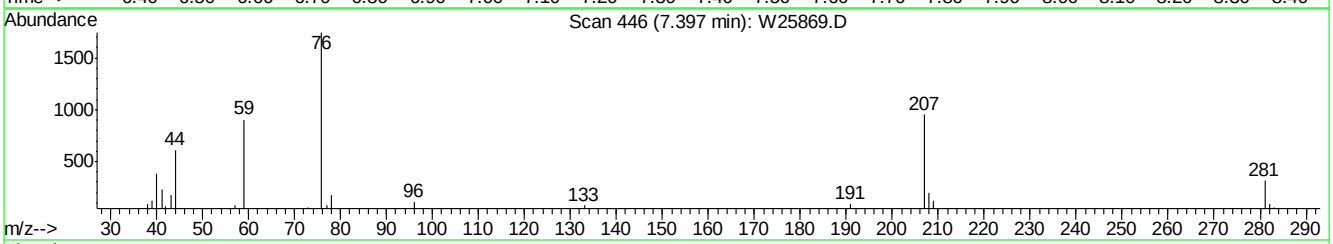
W25869.D MW1071.M Tue Apr 13 13:18:33 2010 MSW

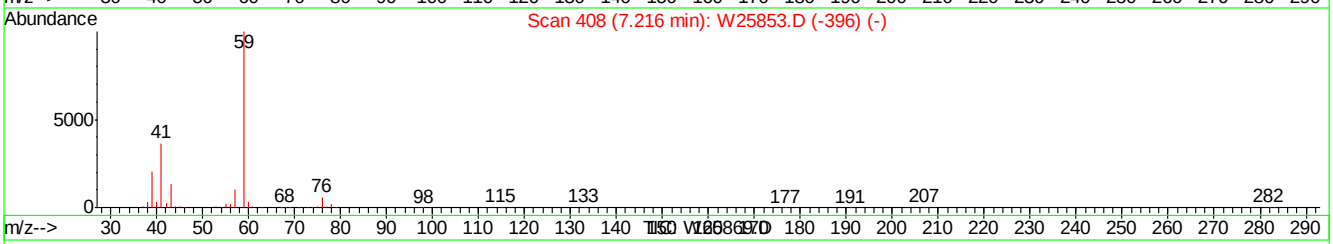
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.40min 0.15PPBV

response 3374

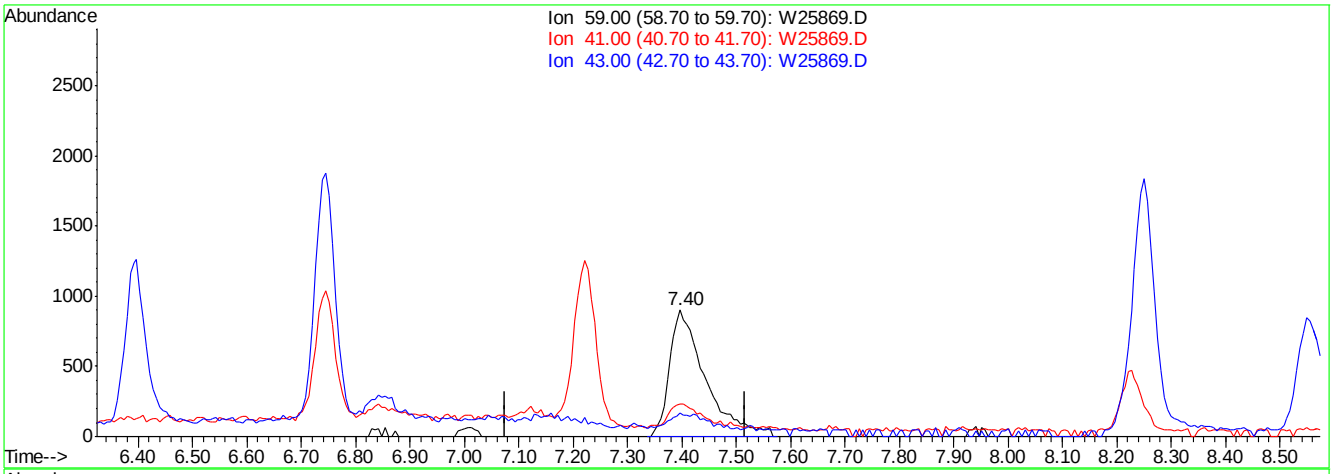
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	19.12
43.00	11.40	13.04
0.00	0.00	0.00

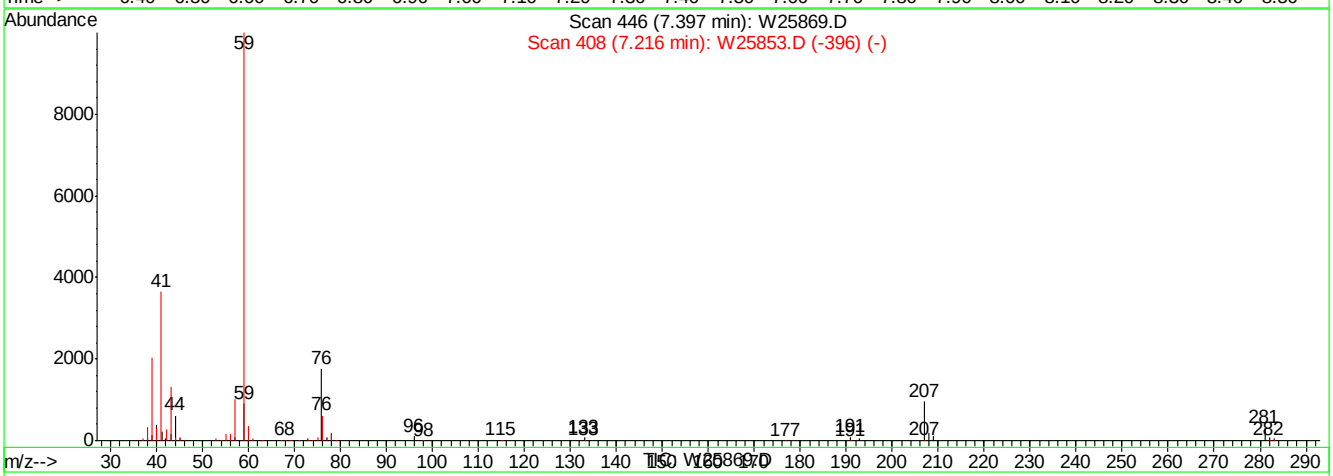
W25869.D MW1071.M Tue Apr 13 13:18:38 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Multiple Level Calibration





(31) TERTIARY BUTYL ALCOHOL

7.40min 0.18PPBV m

response 4144

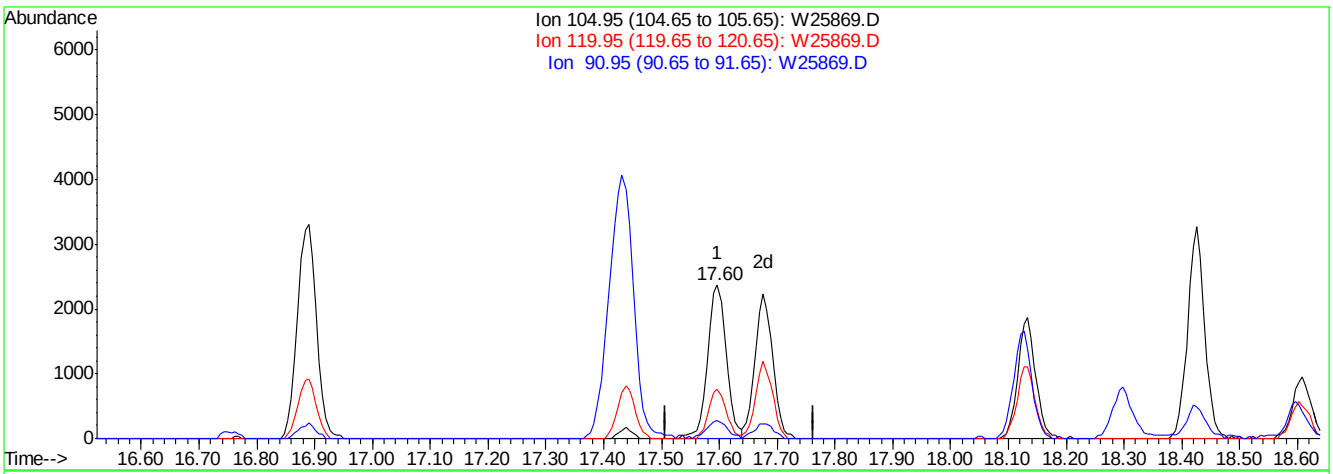
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	15.56
43.00	11.40	10.62
0.00	0.00	0.00

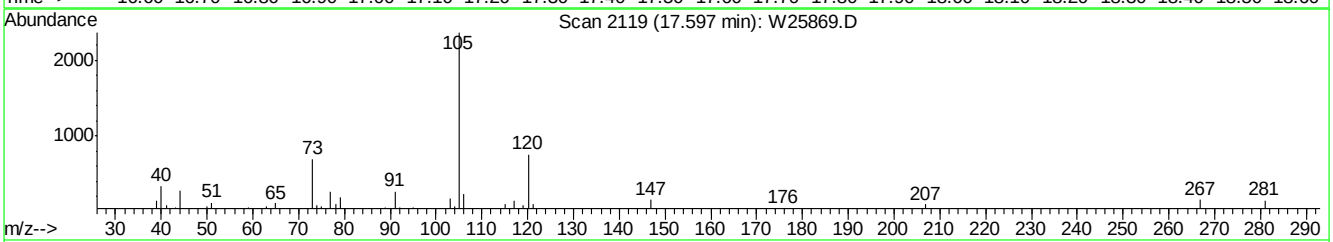
W25869.D MW1071.M Tue Apr 13 13:18:43 2010 MSW

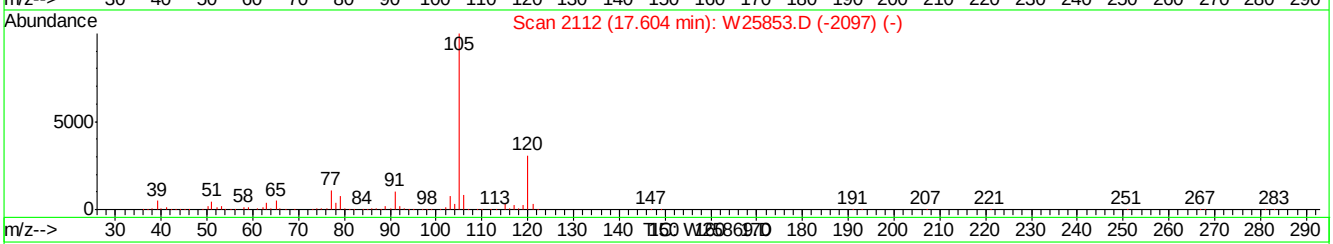
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 0.17PPBV

response 5331

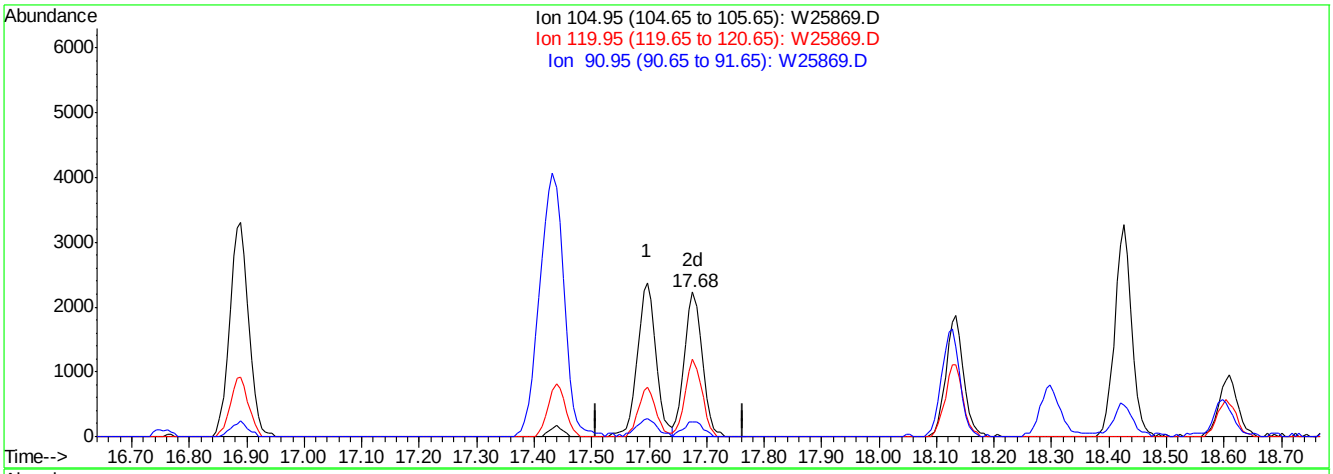
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.39
90.95	9.70	13.26
0.00	0.00	0.00

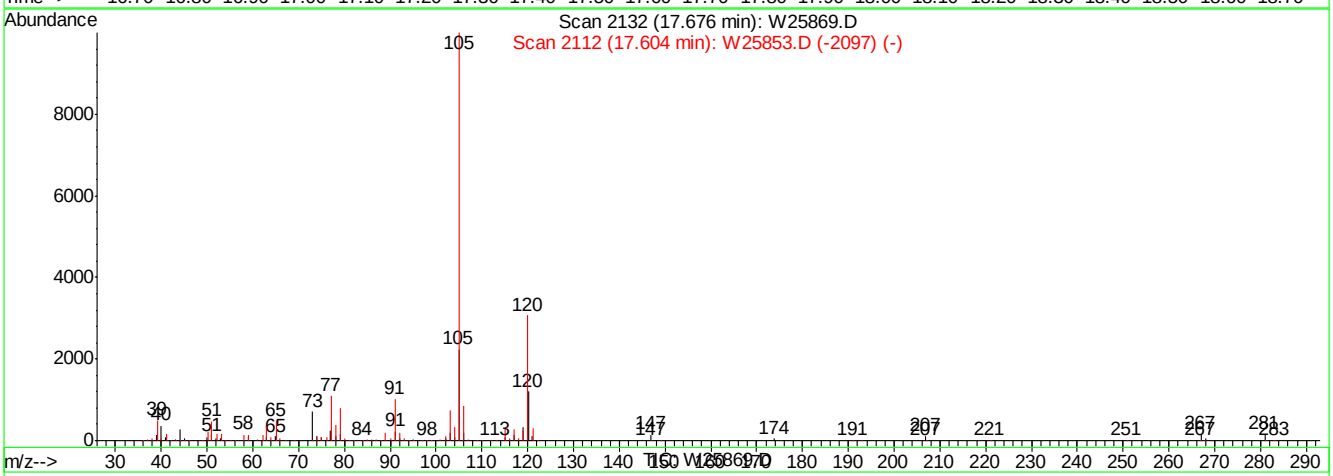
W25869.D MW1071.M Wed Apr 14 11:48:20 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.15PPBV m

response 4762

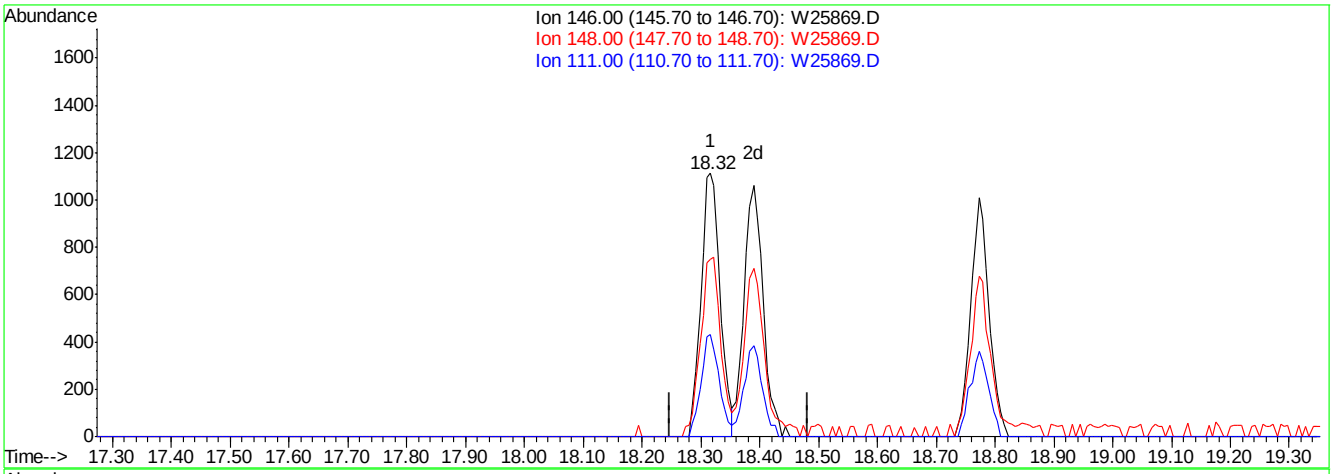
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	34.02
90.95	9.70	14.85
0.00	0.00	0.00

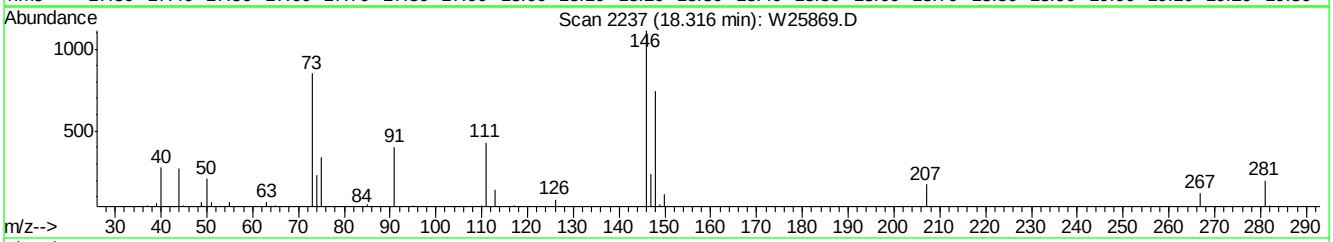
W25869.D MW1071.M Wed Apr 14 11:48:26 2010 MSW

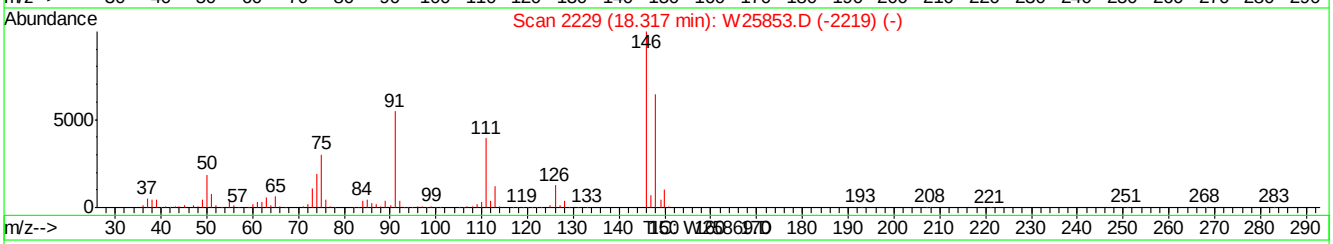
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.16PPBV

response 2516

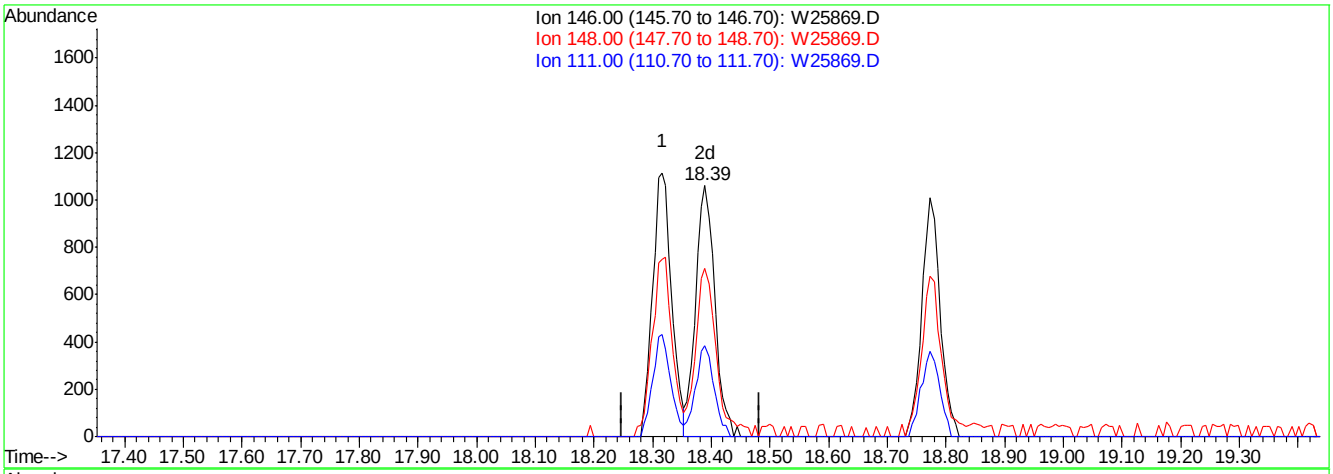
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	72.02
111.00	37.90	37.16
0.00	0.00	0.00

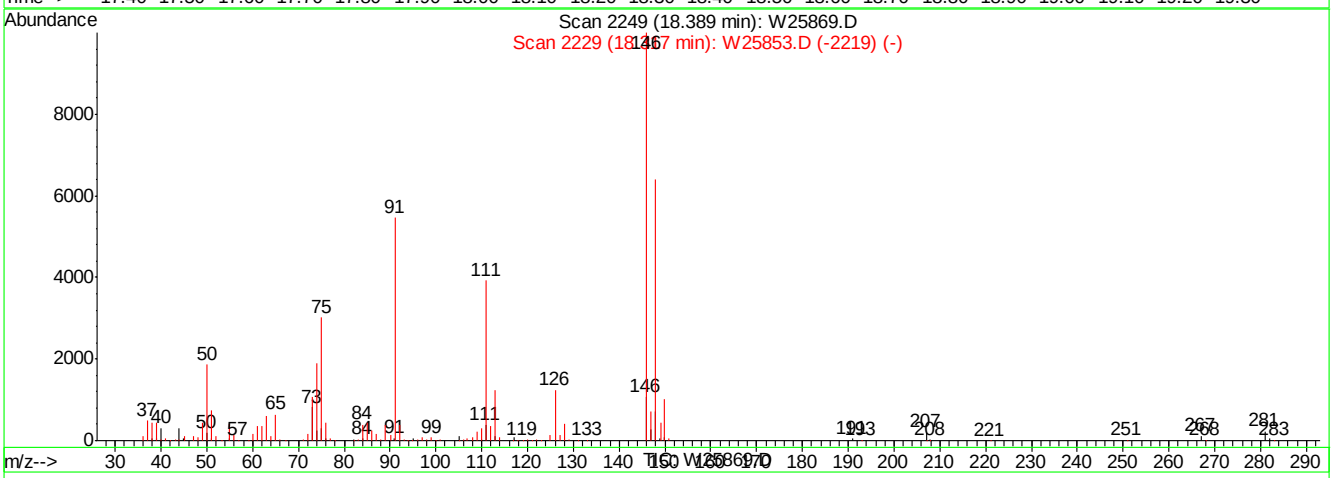
W25869.D MW1071.M Wed Apr 14 12:03:01 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.16PPBV m

response 2401

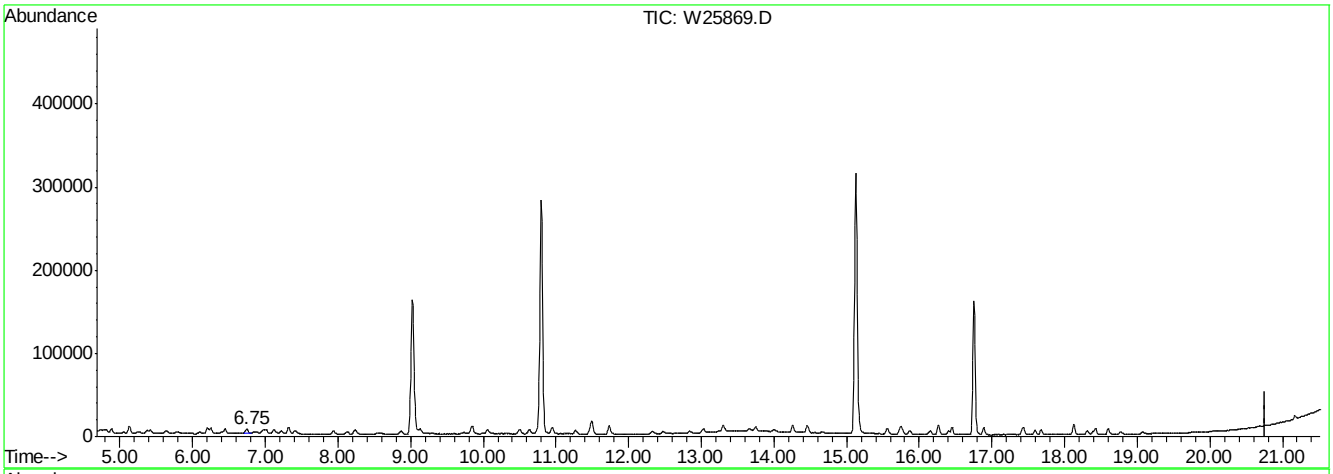
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	75.47
111.00	37.90	38.94
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 12:03:10 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration



(21) TVHC as EQUIV PENTANE (H)

6.75min 0.20PPBV m

response 12598

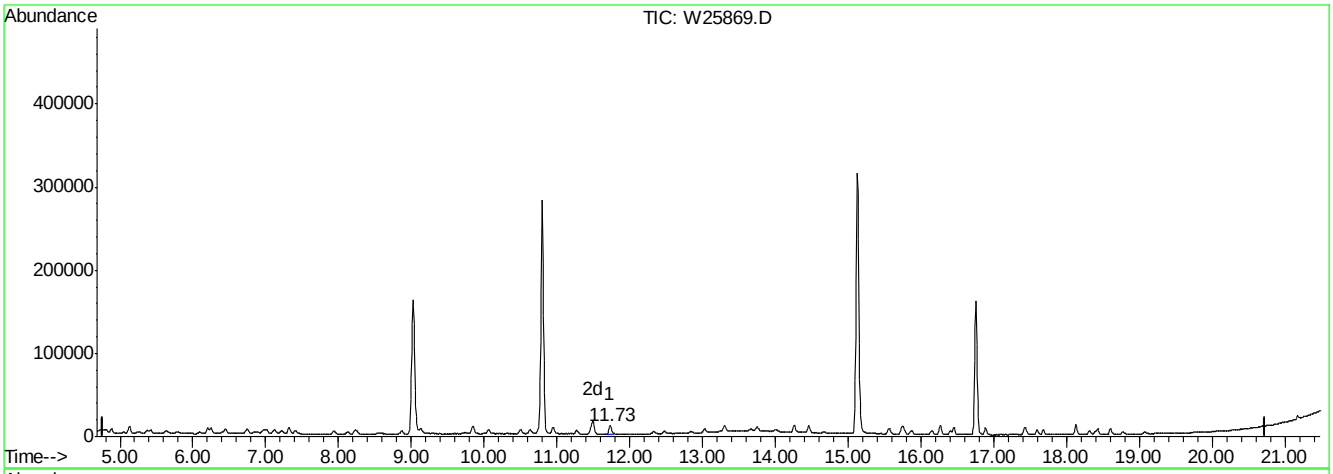
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 14:16:23 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.73min 0.29PPBV m

response 27796

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 14:16:27 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	77201	10.00	PPBV		-0.03
46) 1,4-DIFLUOROBENZENE	10.81	114	396648	10.00	PPBV		-0.03
63) CHLOROBENZENE-D5	15.13	82	194063	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.13	82	194063	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	115391	5.65	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 113.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.77	67	25651	8.97	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.87	85	259228	9.10	PPBV		99
6) PROPYLENE	4.80	41	91658	8.79	PPBV		99
7) FREON 114	5.12	85	255398	8.18	PPBV		92
8) CHLOROMETHANE	5.03	52	30925	9.18	PPBV		97
9) VINYL CHLORIDE	5.23	62	113714	9.28	PPBV		100
10) 1,3-BUTADIENE	5.36	54	89322	8.80	PPBV		96
11) n-BUTANE	5.40	43	178471	8.46	PPBV		99
12) BROMOMETHANE	5.62	94	95511	9.29	PPBV		100
13) CHLOROETHANE	5.76	64	62996	9.33	PPBV		99
14) ACROLEIN	6.22	56	42953	10.08	PPBV		98
15) FREON 123	6.19	83	241357	9.09	PPBV	#	100
16) FREON 123A	6.24	117	144730	9.28	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.43	101	256447	9.14	PPBV		100
18) ISOPROPYL ALCOHOL	6.65	45	188388	9.56	PPBV		99
19) ACETONE	6.35	58	47398	9.16	PPBV	#	90
20) PENTANE	6.74	57	32788	8.76	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.74	TIC	593572m	8.52	PPBV		
22) IODOMETHANE	6.95	142	267460	9.59	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.00	96	98581	8.89	PPBV		93
24) CARBON DISULFIDE	7.40	76	273717	8.19	PPBV		97
25) ETHANOL	6.03	45	43107	8.78	PPBV		99
26) BROMOETHENE	6.08	106	100956	9.50	PPBV		99
27) METHYLENE CHLORIDE	7.10	84	89189	8.85	PPBV		95
28) 3-CHLOROPROPENE	7.21	76	53740	9.93	PPBV	#	85
29) FREON 113	7.32	151	164560	8.77	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.93	96	101950	8.48	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.18	59	234974	9.46	PPBV	#	96
32) METHYL TERTIARY BUTYL ETHE	8.20	73	267961	8.87	PPBV		97
33) TETRAHYDROFURAN	9.60	72	48167	9.59	PPBV	#	90
34) HEXANE	9.03	57	168771	8.43	PPBV		96
35) VINYL ACETATE	8.24	86	27086	9.97	PPBV	#	79
36) 1,1-DICHLOROETHANE	8.12	63	181078	8.52	PPBV		99
37) METHYL ETHYL KETONE	8.53	72	48464	9.78	PPBV	#	88
38) cis-1,2-DICHLOROETHYLENE	8.87	96	105579	8.65	PPBV		94
39) DI-ISOPROPYL ETHER	9.06	45	334230	8.54	PPBV		98
40) ETHYL ACETATE	9.10	61	29349	9.19	PPBV	#	88
41) CHLOROFORM	9.15	83	194333	8.65	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.85	57	205965	8.64	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.07	97	196349	8.57	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.64	117	204628	8.61	PPBV		100
45)	1,2-DICHLOROETHANE	9.84	62	120653	8.70	PPBV		99
47)	BENZENE	10.51	78	322198	8.56	PPBV		99
48)	CYCLOHEXANE	10.76	84	153454	7.79	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.95	71	78946	8.30	PPBV		96
50)	TRICHLOROETHYLENE	11.50	95	130427	8.29	PPBV		96
51)	1,2-DICHLOROPROPANE	11.29	63	111750	8.27	PPBV		100
52)	BROMODICHLOROMETHANE	11.47	83	207554	8.30	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	548440	8.53	PPBV		99
54)	1,4-DIOXANE	11.57	88	69357	8.93	PPBV		94
55)	METHYL METHACRYLATE	11.68	69	104221	9.05	PPBV		93
56)	HEPTANE	11.74	43	193233	7.25	PPBV		94
57)	TVHC as EQUIV HEPTANE	11.74	TIC	866380m	7.09	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	213433	8.66	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.33	75	168458	8.34	PPBV		95
60)	TOLUENE	13.30	92	230189	8.87	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.84	75	164218	9.78	PPBV		96
62)	1,1,2-TRICHLOROETHANE	13.04	83	99370	8.63	PPBV		99
64)	2-HEXANONE	13.59	43	208560	9.07	PPBV		97
65)	TETRACHLOROETHYLENE	14.46	164	152010	8.87	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.76	129	218805	9.09	PPBV		100
67)	1,2-DIBROMOETHANE	14.01	107	180968	9.38	PPBV		100
68)	OCTANE	14.26	43	252037	8.22	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	153656	8.69	PPBV	#	100
70)	CHLOROBENZENE	15.18	112	288146	8.84	PPBV		97
71)	ETHYLBENZENE	15.56	91	462040	9.09	PPBV		99
72)	m,p-XYLENE	15.76	106	366635	18.82	PPBV		97
73)	o-XYLENE	16.27	106	175532	9.53	PPBV		96
74)	STYRENE	16.15	104	268063	10.11	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.41	75	168160	8.90	PPBV		98
76)	NONANE	16.46	43	242080	8.89	PPBV		96
77)	BROMOFORM	15.88	173	199139	9.36	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	206734	9.28	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	495920	9.56	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	117713	9.95	PPBV	#	91
82)	n-PROPYLBENZENE	17.44	120	133498	10.47	PPBV		96
83)	4-ETHYLTOLUENE	17.60	105	450289	10.77	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	358279	10.18	PPBV		80
85)	TERT-BUTYLBENZENE	18.13	134	93816	10.05	PPBV		97
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	347409	10.82	PPBV		99
87)	m-DICHLOROBENZENE	18.32	146	219687	11.12	PPBV		99
88)	BENZYL CHLORIDE	18.30	91	260987	12.30	PPBV		98
89)	p-DICHLOROBENZENE	18.39	146	213680	11.42	PPBV		94
90)	SEC-BUTYLBENZENE	18.43	134	109596	10.60	PPBV		97
91)	p-ISOPROPYLTOLUENE	18.60	134	109377	11.26	PPBV		98
92)	o-DICHLOROBENZENE	18.77	146	188333	11.03	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	87456	11.99	PPBV		95
94)	HEXACHLOROBUTADIENE	21.17	225	63501	12.08	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.68	180	54826	13.57	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

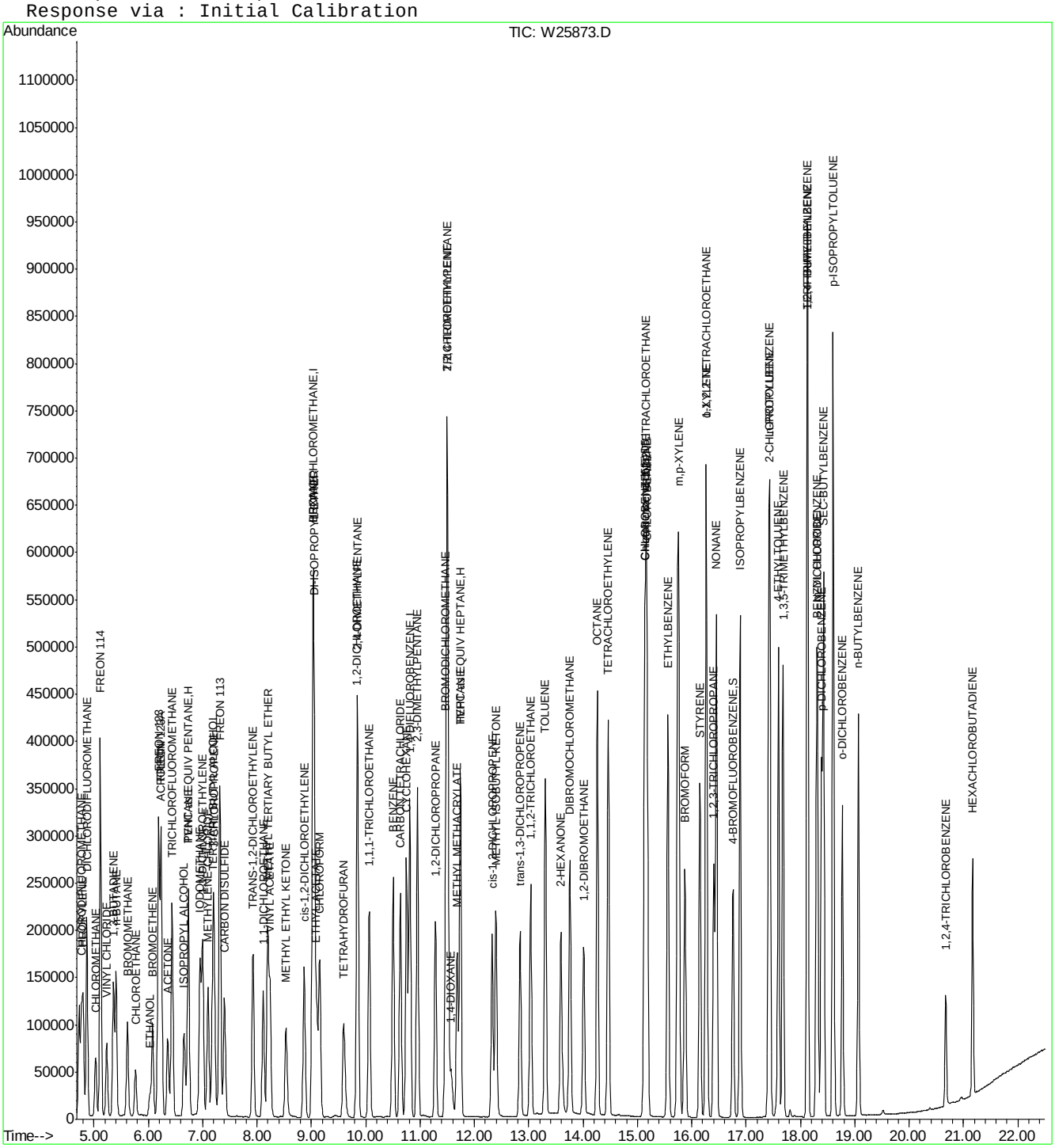
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration



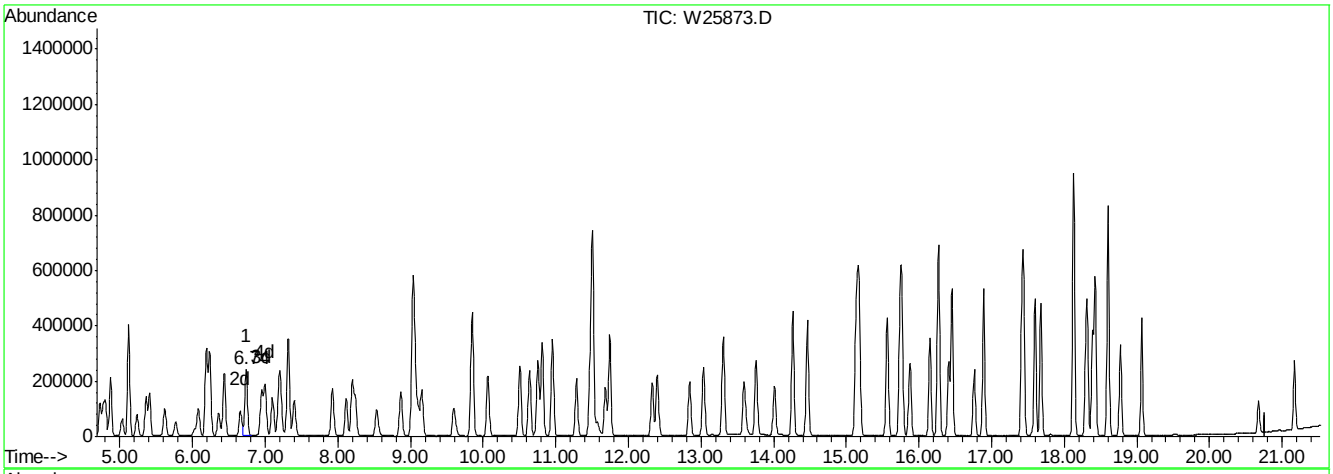
W25873.D MW1071.M Wed Apr 14 12:07:51 2010 MSW Page 4

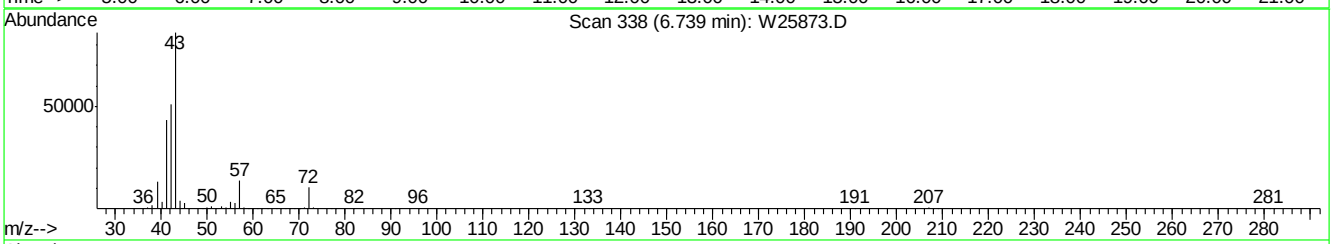
ACCUTEST. JA45062 Laboratories

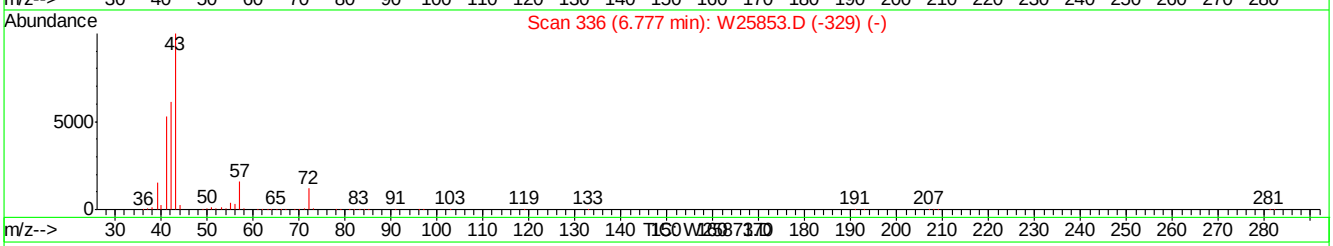
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.74min 8.52PPBV m

response 593572

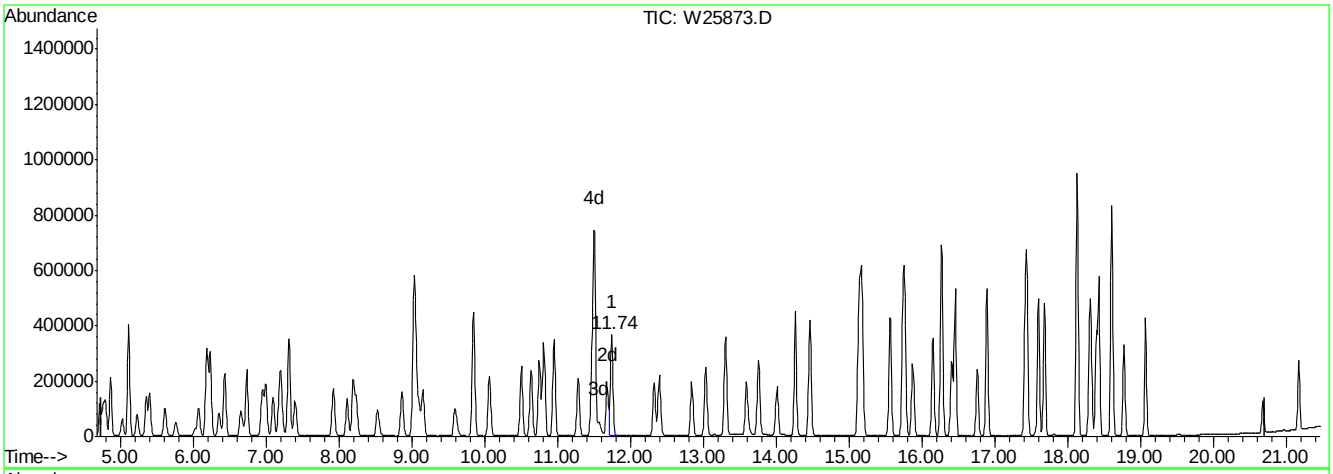
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

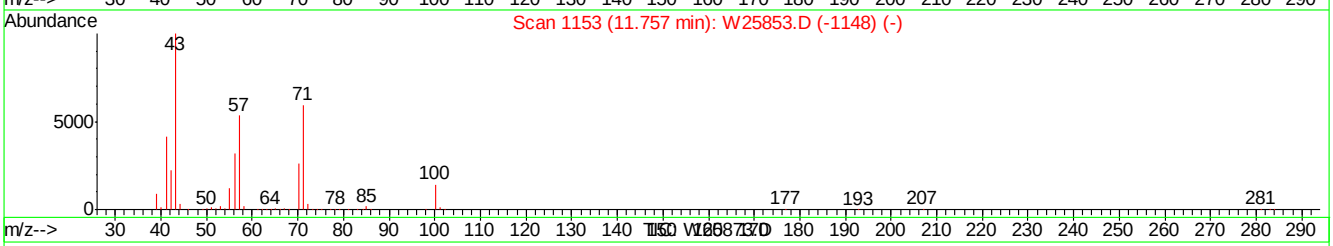
W25873.D MW1071.M Wed Apr 14 12:07:56 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 7.09PPBV m

response 866380

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25873.D MW1071.M Wed Apr 14 12:08:00 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.99	128	70450	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	314421	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	161012	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	161234	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	82383	4.86	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	26928	10.32	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.81	85	268429	10.32	PPBV		100
6) PROPYLENE	4.74	41	115524	12.14	PPBV		98
7) FREON 114	5.06	85	296990	10.42	PPBV		96
8) CHLOROMETHANE	4.97	52	36649	11.92	PPBV	#	83
9) VINYL CHLORIDE	5.18	62	126738	11.33	PPBV		99
10) 1,3-BUTADIENE	5.30	54	102604	11.08	PPBV	#	87
11) n-BUTANE	5.35	43	221601	11.52	PPBV		99
12) BROMOMETHANE	5.56	94	99152	10.57	PPBV		99
13) CHLOROETHANE	5.71	64	72167	11.71	PPBV		99
14) ACROLEIN	6.16	56	42279	10.88	PPBV		98
15) FREON 123	6.13	83	266302	10.99	PPBV	#	100
16) FREON 123A	6.18	117	146828	10.31	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	272522	10.64	PPBV		100
18) ISOPROPYL ALCOHOL	6.55	45	195673	10.88	PPBV		99
19) ACETONE	6.29	58	49725	10.54	PPBV		91
20) PENTANE	6.68	57	38051	11.15	PPBV		96
21) TVHC as EQUIV PENTANE	6.68	TIC	683944m	10.76	PPBV		
22) IODOMETHANE	6.90	142	258795	10.17	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.94	96	106761	10.56	PPBV		98
24) CARBON DISULFIDE	7.35	76	326220	10.69	PPBV		100
25) ETHANOL	5.93	45	43595	9.73	PPBV		100
26) BROMOETHENE	6.02	106	102127	10.53	PPBV		100
27) METHYLENE CHLORIDE	7.05	84	101429	11.03	PPBV		98
28) 3-CHLOROPROPENE	7.15	76	57756	11.69	PPBV	#	75
29) FREON 113	7.27	151	171632	10.02	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	108788	9.92	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.09	59	242266	10.69	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.14	73	243050	8.82	PPBV		96
33) TETRAHYDROFURAN	9.55	72	43233	9.43	PPBV		94
34) HEXANE	8.99	57	199961	10.94	PPBV		97
35) VINYL ACETATE	8.19	86	23999	9.68	PPBV	#	79
36) 1,1-DICHLOROETHANE	8.07	63	211788	10.92	PPBV		99
37) METHYL ETHYL KETONE	8.47	72	44190	9.78	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.82	96	109179	9.81	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	353920	9.91	PPBV		100
40) ETHYL ACETATE	9.04	61	29788	10.22	PPBV	#	90
41) CHLOROFORM	9.10	83	211271	10.30	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.81	57	244644	11.25	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	206526	9.88	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	215681	9.94	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	134832	10.65	PPBV		100
47)	BENZENE	10.46	78	337645	11.31	PPBV		99
48)	CYCLOHEXANE	10.72	84	163469	10.47	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.91	71	89490	11.87	PPBV		95
50)	TRICHLOROETHYLENE	11.46	95	139282	11.17	PPBV		98
51)	1,2-DICHLOROPROPANE	11.24	63	123241	11.51	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	223706	11.29	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	645942	12.68	PPBV		99
54)	1,4-DIOXANE	11.53	88	60948	9.90	PPBV		99
55)	METHYL METHACRYLATE	11.64	69	93279	10.22	PPBV		97
56)	HEPTANE	11.71	43	244318	11.56	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.71	TIC	1002425m	10.34	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	217768	11.14	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.29	75	179736	11.22	PPBV		99
60)	TOLUENE	13.28	92	219332	10.66	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	145253	10.91	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	101411	11.11	PPBV		98
64)	2-HEXANONE	13.56	43	208390	10.92	PPBV		97
65)	TETRACHLOROETHYLENE	14.44	164	134870	9.48	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.73	129	202217	10.12	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	165547	10.34	PPBV		99
68)	OCTANE	14.24	43	314392	12.35	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.14	131	145937	9.95	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	273734	10.12	PPBV		99
71)	ETHYLBENZENE	15.54	91	428627	10.16	PPBV		99
72)	m,p-XYLENE	15.73	106	327272	20.25	PPBV		97
73)	o-XYLENE	16.25	106	156641	10.26	PPBV		99
74)	STYRENE	16.13	104	229054	10.41	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	159819	10.19	PPBV		97
76)	NONANE	16.44	43	284382	12.59	PPBV		98
77)	BROMOFORM	15.85	173	168297	9.53	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	197022	10.65	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	430312	10.00	PPBV		98
81)	2-CHLOROTOLUENE	17.41	126	102239	10.42	PPBV		100
82)	n-PROPYLBENZENE	17.42	120	111741	10.56	PPBV		86
83)	4-ETHYLTOLUENE	17.58	105	370342	10.68	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	291773	9.99	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	74989	9.69	PPBV		95
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	282976	10.63	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	176170	10.75	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	196547	11.16	PPBV		98
89)	p-DICHLOROBENZENE	18.38	146	162371	10.46	PPBV		96
90)	SEC-BUTYLBENZENE	18.42	134	85442	9.96	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.59	134	82168	10.19	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	143331	10.12	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	61309	10.13	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	41821	9.59	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	32658	9.74	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

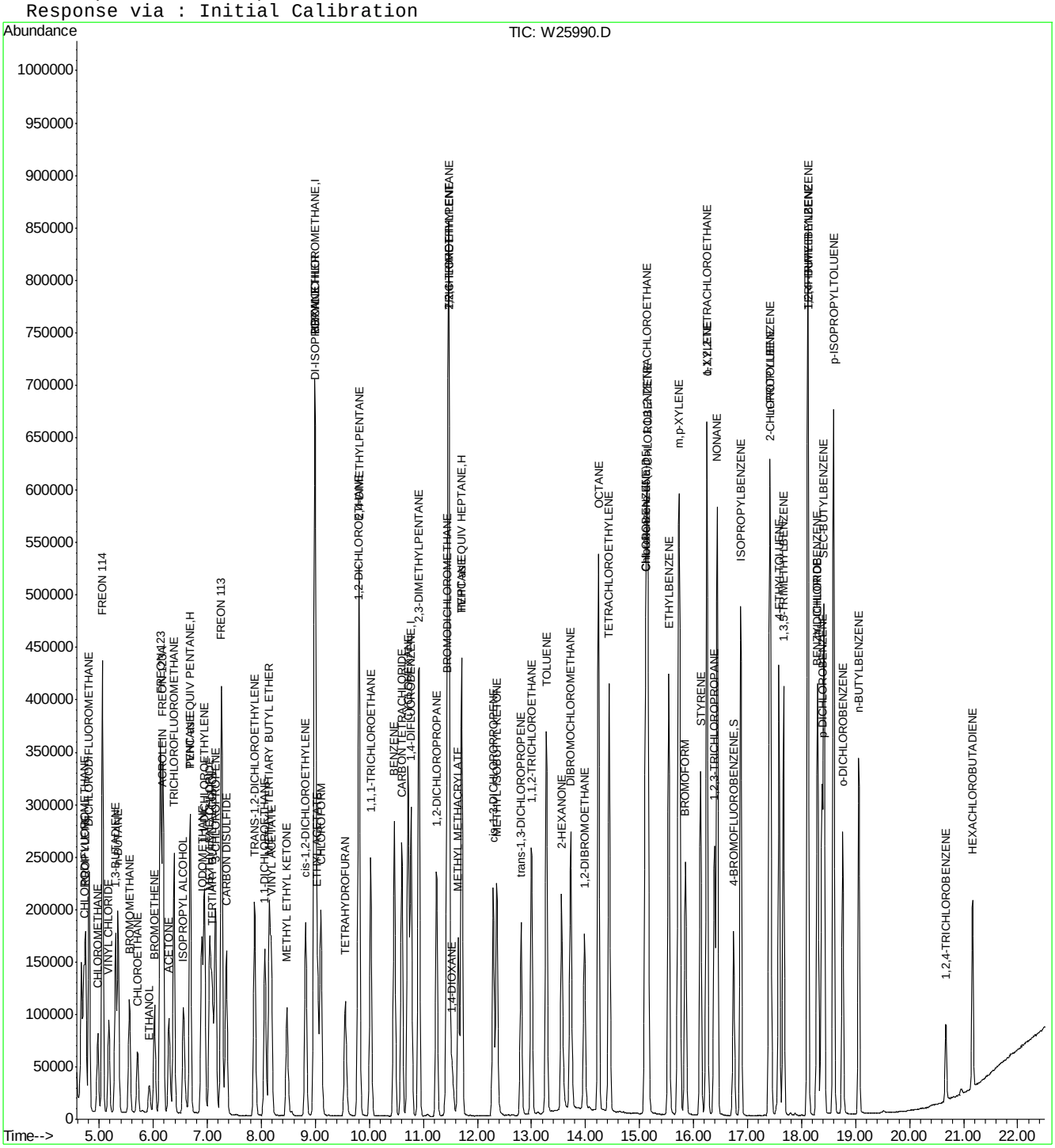
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

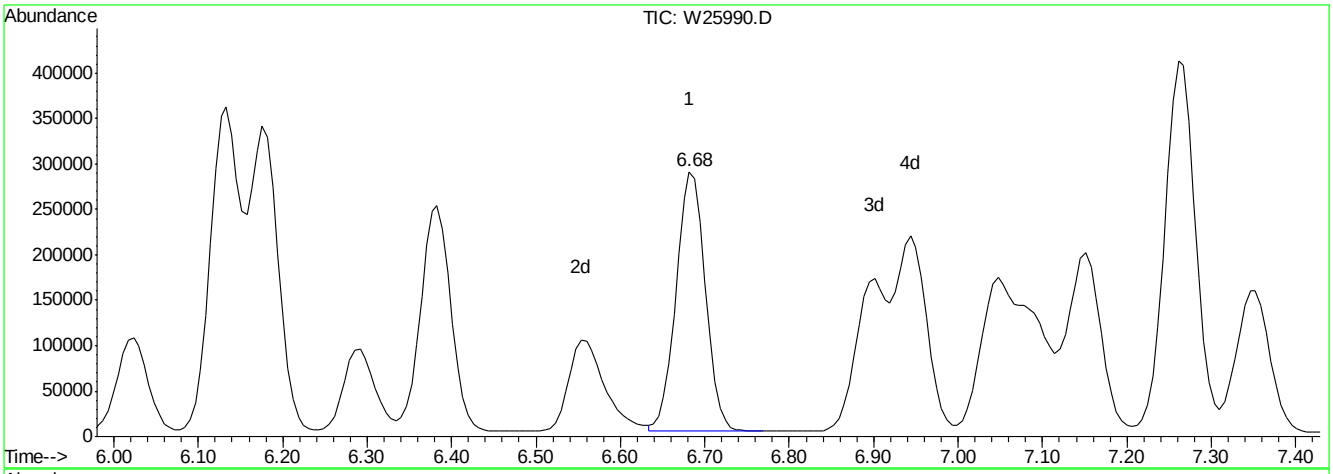


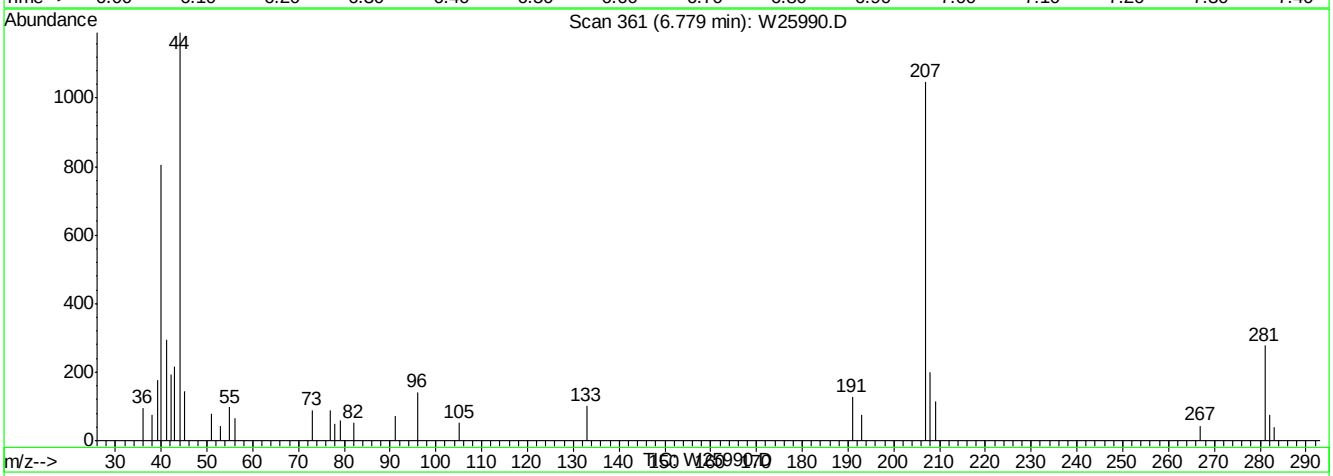
ACCUTEST. JA45062 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.76PPBV m

response 683944

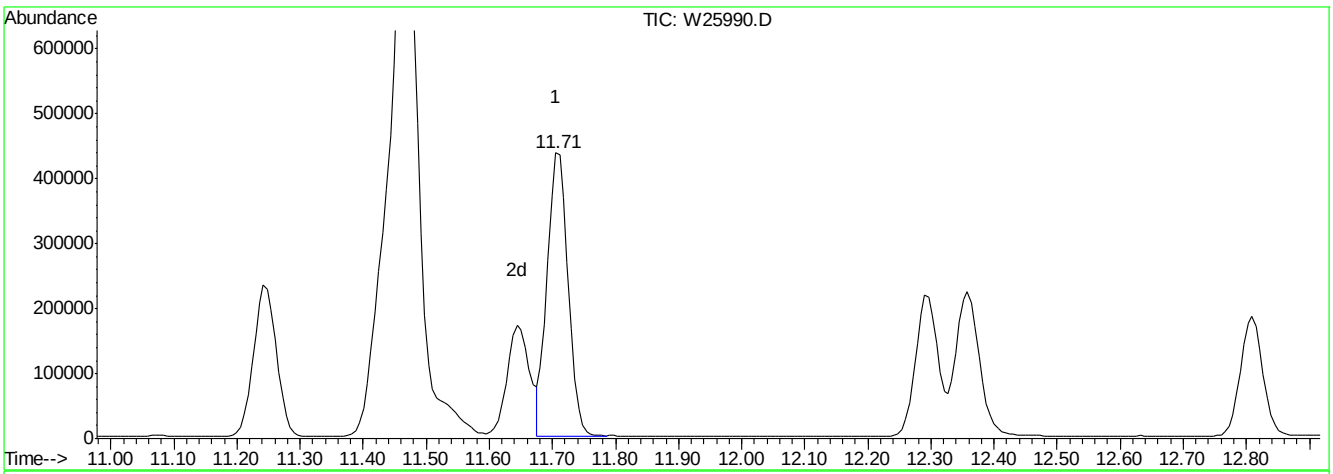
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

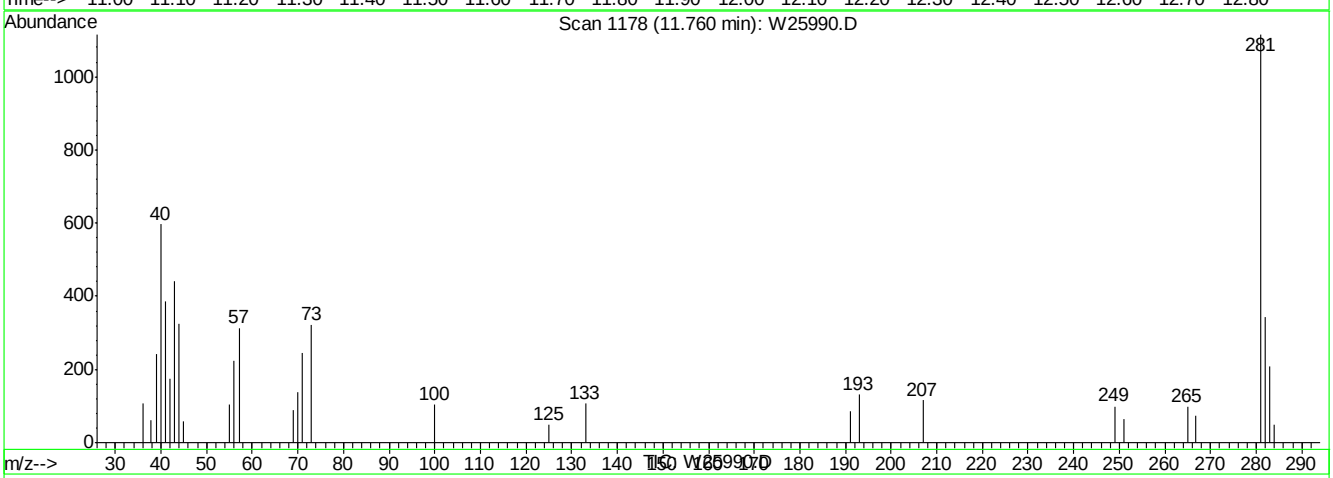
W25990.D MW1071.M Wed Apr 21 14:27:54 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.34PPBV m

response 1002425

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25990.D MW1071.M Wed Apr 21 14:28:19 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	63623	10.00	PPBV		-0.09
46) 1,4-DIFLUOROBENZENE	10.77	114	275702	10.00	PPBV		-0.07
63) CHLOROBENZENE-D5	15.11	82	146728	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	146872	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	75882	4.91	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25694	10.90	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.81	85	247898	10.56	PPBV		99
6) PROPYLENE	4.74	41	105495	12.27	PPBV		98
7) FREON 114	5.05	85	275560	10.71	PPBV		95
8) CHLOROMETHANE	4.97	52	33930	12.22	PPBV		94
9) VINYL CHLORIDE	5.17	62	117568	11.64	PPBV		99
10) 1,3-BUTADIENE	5.30	54	94064	11.25	PPBV	#	87
11) n-BUTANE	5.35	43	204920	11.79	PPBV		99
12) BROMOMETHANE	5.55	94	90897	10.73	PPBV		100
13) CHLOROETHANE	5.70	64	65467	11.77	PPBV		99
14) ACROLEIN	6.15	56	37163	10.58	PPBV		99
15) FREON 123	6.12	83	240109	10.98	PPBV	#	96
16) FREON 123A	6.17	117	133397	10.37	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	261566	11.31	PPBV		99
18) ISOPROPYL ALCOHOL	6.54	45	183614	11.31	PPBV		100
19) ACETONE	6.28	58	45187	10.60	PPBV		93
20) PENTANE	6.68	57	35804	11.61	PPBV		97
21) TVHC as EQUIV PENTANE	6.68	TIC	648432m	11.29	PPBV		
22) IODOMETHANE	6.89	142	240392	10.46	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	100497	11.00	PPBV		96
24) CARBON DISULFIDE	7.35	76	297143	10.79	PPBV		99
25) ETHANOL	5.91	45	40091	9.91	PPBV		99
26) BROMOETHENE	6.02	106	94961	10.84	PPBV		99
27) METHYLENE CHLORIDE	7.04	84	93568	11.27	PPBV		96
28) 3-CHLOROPROPENE	7.15	76	53067	11.89	PPBV	#	73
29) FREON 113	7.25	151	150567	9.73	PPBV		91
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	98772	9.97	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.07	59	229974	11.23	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.14	73	221959	8.92	PPBV		95
33) TETRAHYDROFURAN	9.54	72	38555	9.31	PPBV	#	91
34) HEXANE	8.98	57	184123	11.15	PPBV		98
35) VINYL ACETATE	8.18	86	21709	9.70	PPBV	#	76
36) 1,1-DICHLOROETHANE	8.06	63	189790	10.84	PPBV		100
37) METHYL ETHYL KETONE	8.47	72	39717	9.73	PPBV		97
38) cis-1,2-DICHLOROETHYLENE	8.82	96	96829	9.63	PPBV		95
39) DI-ISOPROPYL ETHER	8.99	45	326893	10.13	PPBV		99
40) ETHYL ACETATE	9.03	61	26477	10.06	PPBV	#	1
41) CHLOROFORM	9.10	83	191280	10.33	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	222376	11.32	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	188639	9.99	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	198165	10.12	PPBV		99
45)	1,2-DICHLOROETHANE	9.78	62	123336	10.79	PPBV		100
47)	BENZENE	10.46	78	297704	11.38	PPBV		99
48)	CYCLOHEXANE	10.71	84	148120	10.82	PPBV		94
49)	2,3-DIMETHYLPENTANE	10.91	71	80967	12.25	PPBV		94
50)	TRICHLOROETHYLENE	11.46	95	125081	11.44	PPBV		96
51)	1,2-DICHLOROPROPANE	11.24	63	108558	11.56	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	199877	11.51	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.46	57	571990	12.80	PPBV		98
54)	1,4-DIOXANE	11.52	88	54651	10.12	PPBV		98
55)	METHYL METHACRYLATE	11.64	69	83686	10.46	PPBV		96
56)	HEPTANE	11.71	43	224078	12.09	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.70	TIC	907832m	10.68	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	202621	11.82	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.28	75	157532	11.22	PPBV		97
60)	TOLUENE	13.27	92	191296	10.60	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	129712	11.11	PPBV		97
62)	1,1,2-TRICHLOROETHANE	13.00	83	88722	11.08	PPBV		98
64)	2-HEXANONE	13.55	43	193920	11.15	PPBV		96
65)	TETRACHLOROETHYLENE	14.44	164	116540	8.99	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	177798	9.77	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	145417	9.96	PPBV		99
68)	OCTANE	14.24	43	283779	12.24	PPBV		93
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	127814	9.56	PPBV	#	99
70)	CHLOROBENZENE	15.15	112	238700	9.68	PPBV		98
71)	ETHYLBENZENE	15.54	91	377017	9.81	PPBV		98
72)	m,p-XYLENE	15.73	106	287876	19.54	PPBV		97
73)	o-XYLENE	16.25	106	136543	9.81	PPBV		98
74)	STYRENE	16.13	104	200975	10.03	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	143714	10.06	PPBV		97
76)	NONANE	16.44	43	255008	12.39	PPBV		97
77)	BROMOFORM	15.85	173	146266	9.09	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	175943	10.44	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	382880	9.77	PPBV		98
81)	2-CHLOROTOLUENE	17.40	126	87608	9.80	PPBV	#	92
82)	n-PROPYLBENZENE	17.42	120	98961	10.26	PPBV		85
83)	4-ETHYLTOLUENE	17.58	105	329289	10.42	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.66	105	261113	9.81	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	65874	9.34	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	252063	10.39	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	152058	10.18	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	176628	11.01	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	142620	10.08	PPBV		95
90)	SEC-BUTYLBENZENE	18.42	134	74976	9.59	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	72176	9.83	PPBV		94
92)	o-DICHLOROBENZENE	18.76	146	124069	9.61	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	53519	9.70	PPBV		87
94)	HEXACHLOROBUTADIENE	21.17	225	36168	9.10	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	30003	9.82	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

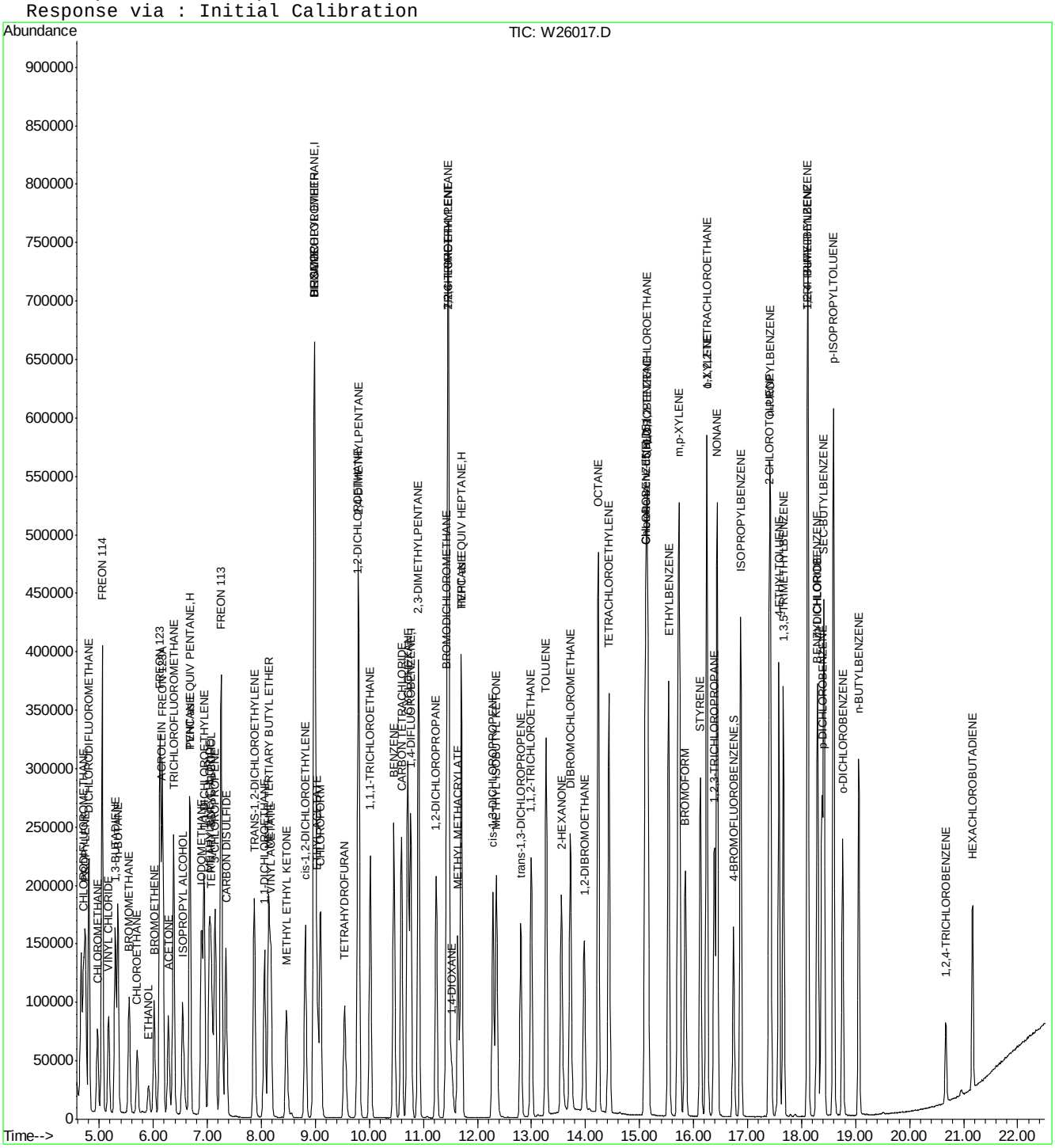
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:42 2010 Quant Results File: MW1071.RES

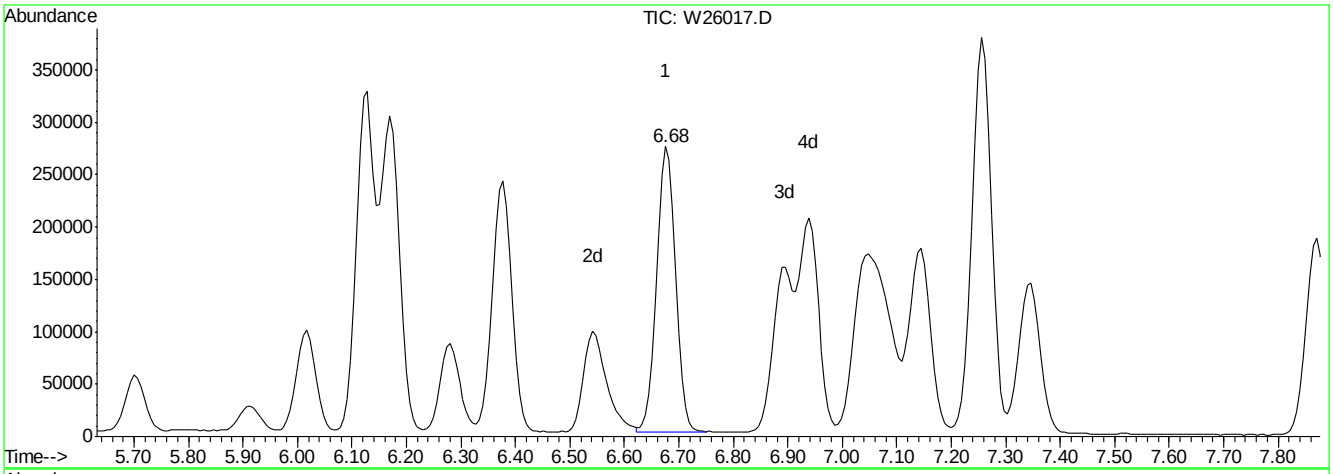
Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

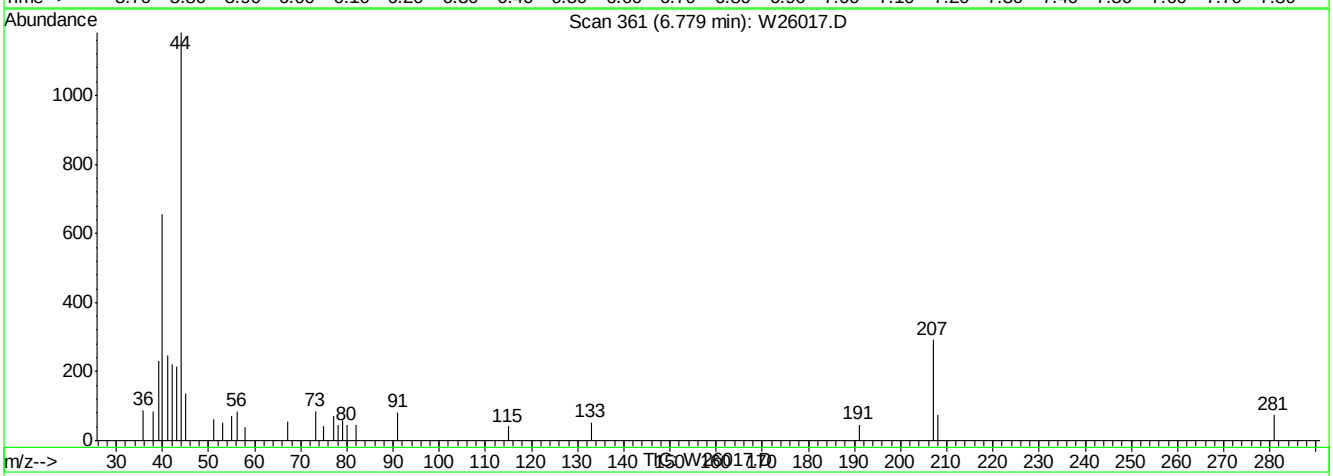


Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:41 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 11.29PPBV m

response 648432

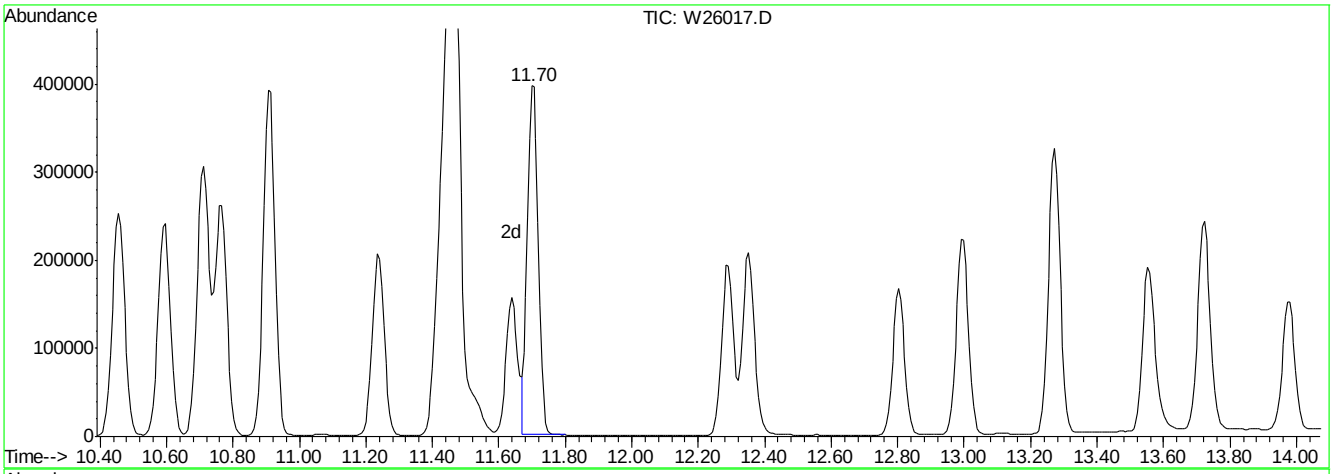
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

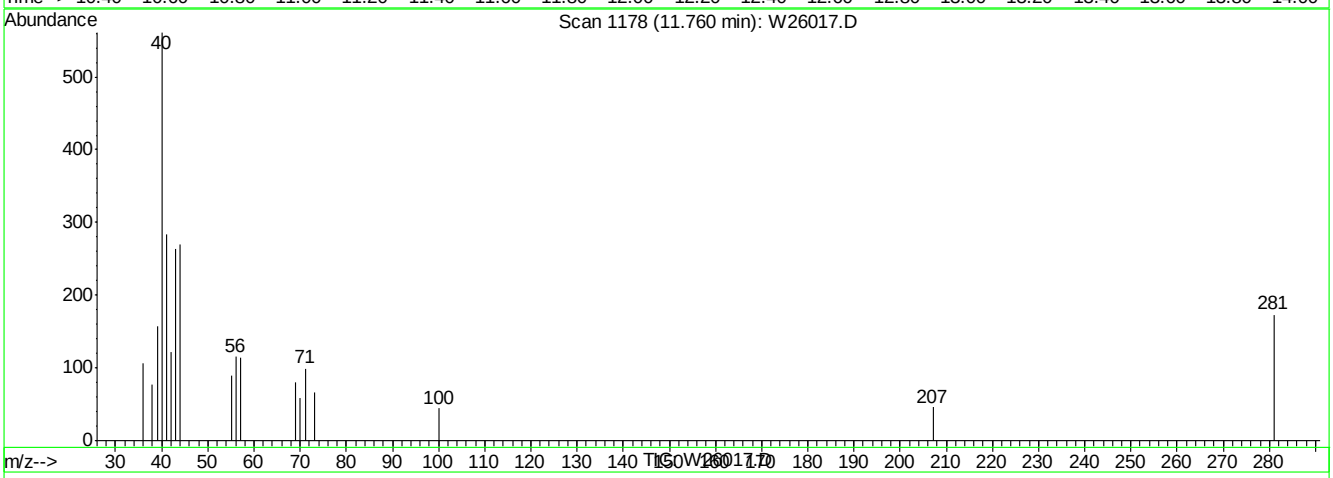
W26017.D MW1071.M Wed Apr 21 16:41:58 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:42 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.70min 10.68PPBV m

response 907832

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26017.D MW1071.M Wed Apr 21 16:42:39 2010 MSW

ACCUTEST

TO-14/TO-15

Batch ID: V2W1118

Date: 4/5/10

Analyst Signature: [signature]

Columns: RTX. 60m x 0.32mm x 1.0um
Method: TO15 2W.M
Seq. File: 2W1405105
Initial Cal. Method: A2W1118

AS Data

Method: TO15. MDT

Standard Data

Lot #	Description	Conc.
AS4332	IS/ surr	40/20 ppbv
AS4325	Nap STD	40 ppbv
AS4326	Nap STD	2 ppbv

Standard Data

Lot #	Description	Conc.
AS4340	TO15 STD	40 ppbv
AS4341	TO15 STD	2 ppbv
AS4342	TO15 STD	0.4 ppbv
AS4327	TO15 LCS	40 ppbv

6.8.1 6

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 4/14/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W26576	BFB			100					OK	9:44 am
2	2W26577	ICV1118-5		A763	50			/	/	OK	
1	2W26578	ICV1118-0.5		A870	100			/	/	OK	
2	2W26579	ICV1118-10		A763	100			/	/	OK	
2	2W26580	ICV1118-2		A763	20			/	/	OK	
2	2W26581	ICV1118-20		A763	200			/	/	OK	
4	2W26582	ICV1118-0.2		A473	200			/	/	OK	
4	2W26583	ICV1118-0.1		A473	100			/	/	OK	
4	2W26584	ICV1118-0.04		A473	40			/	/	OK	
2	2W26585	ICV1118-40		A763	400			/	/	OK	
3	2W26586	ICV1118-10		A250	100			/	/	OK	
7	2W26587	Nap-0.2		A864	40			/	/	OK	
7	2W26588	Nap-0.5		A864	100			/	/	OK	
6	2W26589	Nap-2.5 ppbv		A169	50			/	/	OK	
6	2W26590	Nap-10		A169	100			/	/	OK	
6	2W26591	Nap-20		A169	200			/	/	OK	
6	2W26592	Nap-40		A169	400			/	/	OK	1:42 am

[signature] 4/5/10

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

151

Form: AT008-04
Rev. Date: 6/13/06

ACCUTEST

TO-14/TO-15

Batch ID: V2W1126

Date: 4/15/10

Analyst Signature: [signature]

Columns: RTX 60m x 0.32mm x 1.0um

Method: TO15 2W M

Seq. File: 2W041510.S

Initial Cal. Method: M2W1118

AS Data

Method: TO15 MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4353	TO15 LCS	40ppbv
AS4341	TO15 STD	40ppbv
AS4332	IS/SURR	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 4/28/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W26778	BFB		A457	100					OK	10:18am
2	2W26779	CC1118-10		A763	100			✓	✓	OK	
3	2W26780	BS		A455	100			✓	✓	OK	
3	2W26781	BSD		A455	100			✓	✓	OK	
4	2W26782	MB1SCC		10848	400			✓	✓	OK	
3	2W26783	JA44210-1	95599 STD	A615	100	1		✓	✓	OK	1x
3	2W26784	JA44210-1dup	↓	A615	100	↓		✓	✓	OK	
4	2W26785	JA44210-2		A420	100			✓	✓	OK	
6	2W26786	JA44210-3		A499	100			✓	✓	OK	
(PL) 7	2W26787	JA44036-3	95517 STD	A156	100			✓	✓	Not rec	
(PL) 1	2W26788	JA44140-1	95599 STD	A194	100	↓		✓	✓	OK	Hold
13	2W26789	JA44082-1	95544 SM	A851, A784	200	100		✓	✓	OK/R	20x
10	2W26790	JA44210-6	95599 STD	A535, A786	200	50		✓	✓	OK/R	JA44210-6 20x
8	2W26791	JA44210-4	↓	A503	100	1		✓	✓	OK	
9	2W26792	JA44210-5		A592	100	↓		✓	✓	OK	
11	2W26793	JA44210-7		A500	100			✓	✓	OK	
12	2W26794	JA44210-8	↓	A791	100			✓	✓	OK	
13	2W26795	JA44298-4	95644 STD	A832, A798	400			✓	✓	OK	
2	2W26796	JA44298-2	↓	A832	400			✓	✓	OK	
3	2W26797	JA44298-3		A238	400			✓	✓	OK	
4	2W26798	JA44298-5	↓	A368	400			✓	✓	OK	
15	2W26799	JA44036-4	95544 SM	A855	400			✓	✓	OK	
16	2W26800	JA44036-5	↓	A828	400	↓		✓	✓	OK	Hold
5	2W26801	SCC		A411	400			✓	✓	OK	Hold 5:45am
	~~2W26802~~										
	2W26803	YXC	4/15/10								

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

ACCUTEST

Batch ID: V2W1138

Date: 4/30/10

Analyst Signature: [signature]

Columns: RTX · 60m X 0.32mm X 1.0um

Method: TO15 2W.M

Seq. File: 2W

Initial Cal. Method: MS2W1138

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS4376	Nap	40ppbv
AS4377	Nap	2ppbv
AS4392	IS/surr	40/20ppbv

Standard Data

Lot #	Description	Conc.
AS4388	TO15 LCS	40ppbv
AS4389	TO15 STD	40ppbv
AS4390	TO15 STD	1.0ppbv
AS4391	TO15 STD	0.4ppbv

6.8.3

6

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 4/30

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W27036	BFB			100					OK	
2	2W27037	ICL 1138-10		A455	100			✓	✓	OK	
2	2W27038	IC 1138-5		A455	50			✓	✓	OK	
1	2W27039	IC1138-0.5		A183	200			✓	✓	OK	
1	2W27040	IC 1138-0.2		A183	80			✓	✓	OK	
2	2W27041	IC1138-20		A455	200			✓	✓	OK	
1	2W27042	IC1138-1		A183	400			✓	✓	OK	
4	2W27043	IC 1138-0.1		A901	100			✓	✓	OK	
4	2W27044	IC 1138-0.04		A901	40			✓	✓	OK	
2	2W27045	IC1138-40		A455	400			✓	✓	OK	
6	2W27046	Nap-5		A636	50			↑	✓	NG	
6	2W27047	Nap-10		A636	100			✓	✓	Not use	
6	2W27048	Nap-20		A636	200			✓	✓	↓	
6	2W27049	Nap-40		A636	400			✓	✓	↓	
3	2W27050	ICW1138-10		A250	100			✓	✓	OK	
7	2W27051	Nap-0.5		A899	100			✓	✓	Not use	
7	2W27052	Nap-0.2		A899	40			✓	✓	↓	
				YXC 4/30/10							

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

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TO-14/TO-15

ACCUTEST

Batch ID: V2W1139

Date: 4/30/10

Analyst Signature: YXC

Columns: RTX-1. 60m×0.32mmX1.0um

Method: TO15 2W. M

Seq. File: 2W04430 10.S

Initial Cal. Method: YXC 2W1139

AS Data

Method: TO15. MPT

Standard Data

Lot #	Description	Conc.
AS4376	Nap	40ppbv
AS4377	Nap	2ppbv
AS4392	IS/surr	40/20ppbv

Standard Data

Lot #	Description	Conc.
AS4388	TO15 LCS	40ppbv
AS4389	TO15 STD	40ppbv
AS4390	TO15 STD	1.0ppbv
AS4391	TO15 STD	2.4ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W27036A	BFB			100			✓		OK	
2	2W27037A	LCS1139-10		A455	100			✓	✓	OK	
2	2W27038A	LCS1139-5		A455	5 / 50 YXC			✓	✓	OK	
1	2W27039A	LCS1139-0.5		A183	2 / 100 YXC			✓	✓	OK	
1	2W27040A	LCS1139-0.2		A183	80			✓	✓	OK	
2	2W27041A	LCS1139-20		A455	200			✓	✓	OK	
1	2W27042A	LCS1139-1		A183	400			✓	✓	OK	
4	2W27043A	LCS1139-0.1		A901	100			✓	✓	OK	Not needed
4	2W27044A	LCS1139-0.04		A901	40			✓	✓	OK	Not needed
2	2W27045A	LCS1139-40		A455	400			✓	✓	OK	
6	2W27046A	Nap-5		A636	50			↑	✓	NG	
6	2W27047A	Nap-10		A636	100			✓	✓	Not used	
6	2W27048A	Nap-20		A636	200			✓	✓	↓	
6	2W27049A	Nap-40		A636	400			✓	✓	↓	
3	2W27050A	ICV1139-10	4/30/10	A450	100			✓	✓	OK	
7	2W27051A	Nap-0.5		A899	100			✓	✓	Not used	
7	2W27052A	Nap-0.2		A899	40			✓	✓	↓	
5	2W27053A	MB		A461	400			—	↓	NG	
1	2W27054	LCS		A183	80			✓	✓	OK	
5	2W27055	SCL		A461	400			—	↓	NG	
2	2W27056	TCL-10		A455	100			—	✓	OK	
	2W27057										
				YXC	4/30/10						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

Batch ID: V2W1140

ACCUTEST

Date: 5/3/10

Analyst Signature:

Columns: RTX1, ϕ.01mmx0.32mmx1.0um

Method: TO15 2W M

Seq. File: 2W050310.S

Initial Cal. Method: M2W1138

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4388	TO15 ~~STD~~ LCS YXC	40PPBV
AS4389	TO15 STD	40ppbv
AS4392	IM/GWV	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W27057	BFB			100					OK	8:32am
2	2W27058	CC1138-10		A455	100			✓	✓	OK	
3	2W27059	BS		A250	100			✓	✓	OK	
3	2W27060	BSD		A250	100			✓	✓	OK	
5	2W27061	MB/SCC		A461	400			✓	✓	OK	
1	2W27062	JA45061-1	96037 STD	A347	400	1		✓	✓	OK	
3	2W27063	JA45061-2	↓	A863	400	↓		✓	✓	OK	
4	2W27064	JA45062-1	QC1138	A405	400			✓	✓	OK	
4	2W27065	JA45062-1dup	STD	A905	400			✓	✓	OK	
6	2W27066	~~JA45062-2~~		~~A465~~ A780, A496	400			✓	✓	MANUAL	JA45477-1,200x A780,A496
6 YXC	2W27067	~~JA45062-3~~ YXC		~~A403 A858~~ YXC A403, A858	100 ~~400~~			✓	✓	OK	JA45477-3, A858 SV
8	2W27068	JA45062-4		A882	400			↑	✓	K	
9	2W27069	JA45062-5		A227	400			↑	✓	K	
10	2W27070	JA45062-6		A313	400			✓	✓	OK	
11	2W27071	JA45062-7		A865	400			✓	✓	OK	
12	2W27072	JA45062-8		A886	400			✓	✓	OK	
13	2W27073	JA45062-9		A316	400			✓	✓	OK	
14	2W27074	JA45062-10		A769	400			↑	✓	K	
15	2W27075	JA45062-11		A847	400			✓	✓	OK	
16	2W27076	JA45062-12	↓	A343	400	↓		✓	✓	OK	
1	2W27077	~~JA45062-13~~	96412 STD	~~A844~~ A112	400			✓	✓	OK	JA45477-4, A112
3	2W27078	~~JA45062-14~~ YXC	↓	~~A768~~ A768 YXC	400			✓	✓	OK	JA45477-5, A768
4	2W27079	~~JA45062-15~~		~~A886~~ A770 YXC	400	↓		✓	✓	OK	JA45477-6, A770
5	2W27080	SCC		A133	400			↑	✓	R	
6	2W27081	JA45477-2	96412 STD	A281	100	1		✓	✓	OK	SV
7	2W27082	JA45477-1	↓	A780, A496	400	200		✓	✓	OK/M	

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

7 2W27084 JA45477-1 A780, A496 40 200 ✓ ✓ OK

8 2W27084 JA45062-2 A465 400 ✓ ✓ OK 6:57am

Form: AT008-04

Rev. Date: 6/13/06

TO-14/TO-15

Batch ID: V2W1141

ACCUTEST

Date: 5/4/10

Analyst Signature: [signature]

Columns: RTX-1, 60M x 0.32mm x 1.0um

Method: TO15V2W.M

Seq. File: V2W050410.S

Initial Cal. Method: MV2W1138

AS Data

Method: TO15 MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4388	TO15 LCS	40ppbv
AS4389	TO15 STD	40ppbv
AS4392	1s1swr	40/20ppbv
AS4390	TO 15 STD	1.0 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH **Date:** 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	V2W27085	BFB		~~100~~	100			✓	✓	OK	8:22 AM
2	V2W27086	CC1138-10	~~A455~~ YXC	~~100~~ A455	100			✓	✓	OK	
3	V2W27087	BS	~~A~~	A250	100			✓	✓	OK	
3	V2W27088	BSD		A250	100			✓	✓	OK	
5	V2W27089	MB/SCC		A133	400			✓	✓	OK	
5	V2W27090	SCC		A325	1000			✓	✓	OK	
4	V2W27091	JA45062-3	96138 STD	A903	400			✓	✓	OK	
8	V2W27092	JA45062-4		A882	400			✓	✓	OK	
9	V2W27093	JA45062-5		A227	400			✓	✓	OK	
6	V2W27094	JA45062-1S		A844	400			✓	✓	OK	
6	V2W27095	JA45062-1Sdup		A844	400			✓	✓	OK	
7	V2W27096	JA45062-14		A116	400			✓	✓	OK	
10	V2W27097	JA45062-15		A619	400			✓	✓	OK	
11	V2W27098	JA45062-16		A194	400			✓	✓	OK	
12	V2W27099	JA45062-17		A857	400			✓	✓	OK	
13	V2W27100	JA45062-18		A855	400			✓	✓	OK	
14	V2W27101	JA45062-10		A769	400			✓	✓	OK	
15	V2W27102	JA45062-19		A374	400			✓	✓	OK	
16	V2W27103	JA45062-20		A463	400			✓	✓	OK	
1	V2W27104	JA45062-21		A898	400			✓	✓	OK	
3	V2W27105	JA45062-22		A832	1000			✓	✓	OK	
5	V2W27106	SCC		A302	400			✓	✓	OK	6:59 AM
	~~V2W27107~~			A-							
	V2W27108	YXC 5/4/10		A-	YXC 5/4/10						
	~~V2W27109~~			A-							
	~~V2W27110~~			A-							

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

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ACCUTEST.

TO-14/TO-15

Batch ID: V2W1142

Date: 5/4/10

Analyst Signature: [signature]

Columns: RTX-1 60m x 0.32mm x 1.0um

Method: TO15_2W_M

Seq. File: 2W050410.S

Initial Cal. Method: M2W1389 YxC

AS Data

Method: TO15_MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4388	TO15 LCS	40 ppbv
AS4389	TO15 STD	40 ppbv
AS4392	Is/surr	40/20 ppbv
AS4390	TO15 STD	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W27085A	BFB		A133	100					OK	
2	2W27086A	CC1139-10		A455	100			/	/	OK	
3	2W27087A	BS		A250	100			/	/	OK	
3	2W27088A	BSD		A450	100			/	/	OK	
5	2W27089A	MB		A133	400			/	/	OK	
1	2W27090A	LCS		A183	80			/	/	OK	
5	2W27091A	SCC		A235	400			/	/	OK	
2	2W27092A	ECC1139-10		A455	100			/	/	OK	

5/4/10 YxC

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

Batch ID: V2W1143

ACCUTEST.

Date: 5/5/10

Analyst Signature:

Columns: RTX-1 60m x 0.32mm x 1.0um

Method: ~~X~~ TO15 2W M

Seq. File:

Initial Cal. Method: M2W1138

AS Data

Method: TO15 MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4388	TO15 LCS	40ppbv
AS4389	TO15 STD	40 ppbv
AS4392	IS/SURR	100/20 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W27107	BFB								OK	
2	2W27108	CC1138-5								NG	target ↓
~~3~~ 2	2W27109	CC1138-5								NG	~~target~~ ↓
3 YxC											

YxC 5/5/10

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

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Form: AT008-04
Rev Date: 6/13/06

6.8.8

TO-14/TO-15

ACCUTEST

Batch ID: V2W1143

Date: 5/5/10

Analyst Signature: [signature]

Columns: RTX-1, 60m x 0.32mm x 1.0 um

Method: TO15 2W2.M

Seq. File: 2W2050510.S

Initial Cal. Method: M2W1138

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4388	~~TO15 MPT STD~~ LCS	40 ppbv
AS4380	TO15 STD YXC	40 ppbv
AS4392	IS/Surr	40/20 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 5/10/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W27110	BLK3		~~A302~~ A955	100			✓	✓	OK	ID: 31GM
2	2W27111	CL1138-10		~~A955~~ A250	100			✓	✓	OK	
3	2W27112	BS		~~A250~~ A250	100			✓	✓	OK	
3	2W27113	BSD		A250	100			✓	✓	OK	
5	2W27114	MB/SCC		A279	400			✓	✓	OK	
1	2W27115	JA45065-1	96137 STD	A762	400	1		✓	✓	OK	
3	2W27116	JA45065-2		A131	400			✓	✓	OK	
4	2W27117	JA45065-3		A779	400	yxc		✓	✓	OK/DL	
(R) 4	2W27118	JA45065-3		A779	~~400~~ 50			✓	✓	OK	
7	2W27119	JA45065-5		A810	400			✓	✓	OK	
7	2W27120	JA45065-5dup		A810	400			✓	✓	OK	
6	2W27121	JA45065-4		A258	400	yxc		✓	✓	OK/DL	
(D) 6	2W27122	JA45065-4		A368	~~400~~ 50			✓	✓	OK	
8	2W27123	JA45062-23	96138 STD	A877	400			✓	✓	OK	
9	2W27124	JA45062-24		A853	592	1.48		✓	✓	OK	
10	2W27125	JA45062-25		A238	400	1		✓	✓	OK	
11	2W27126	JA45062-26		A848	400			✓	✓	OK	
12	2W27127	JA45062-27		A828	400			✓	✓	OK	
13	2W27128	JA45430-1	96413 STD	A628	400			✓	✓	OK	
14	2W27129	JA45430-2		A376	400			✓	✓	OK	
15	2W27130	JA45430-3		A256	400			✓	✓	OK	
16	2W27131	JA45430-4		A791	100			✓	✓	OK	
1	2W27132	JA45323-1	96303 STD	~~A849~~ A255	400			✓	✓	OK	
3	2W27133	JA45323-2		A4708	400	yxc		✓	✓	OK	
4	2W27134	JA45323-3		A286	400			X	X	Not Run	
5	S2W27135	SCC		A314	400			✓	✓	OK	

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

(R) 4	2W27136	JA45323-3	96303 STD	A286	400			✓	✓	OK	8:43 AM

TO-14/TO-15 Batch ID: V3W644

ACCUTEST

Date: 4/6/10

Analyst Signature: [signature]

Columns: RTX-160MX.32mm
Method: TO15W.M
Seq. File: 3WD40610.S
Initial Cal. Method: MBW644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS4347	Naphthalene	40ppbv
AS 4348	Naphthalene	2.0ppbv

Standard Data

Lot #	Description	Conc.
AS 4344	TO15 STD	40ppbv
AS 4345	TO15 STD	20ppbv
AS 4346	TO15 STD	0.4ppbv
AS4343	TO15 LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 4/7/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16114	BFB		A885	100					OK	
2	3W16115	CC634-10		A204	100					not used	
2	3W16116	CC634-10		A204	100					not used	
5	3W16117	BFB		A885	100					OK	
2	3W16118	ICC644-10		A204	100			✓	✓	OK	
1	3W16119	IC644-0.5		A744	100			✓	✓	not used	
2	3W16120	IC644-5.0		A204	50			✓	✓	not used	
1	3W16121	IC644-0.2		A744	40			✓	✓	OK	
2	3W16122	IC644-20		A204	200			✓	✓	OK	
2	3W16123	IC644-5.0		A204	50			✓	✓	OK	
1	3W16124	IC644-0.5		A744	100			✓	✓	OK	
4	3W16125	IC644-0.1		A901	100			✓	✓	OK	
4	3W16126	IC644-0.04		A901	40			✓	✓	OK	
6	3W16127	Nap-5.0		A636	50			✓	✓	OK	
6	3W16128	Nap-10		A636	100			✓	✓	OK	
2	3W16129	IC644-40		A204	400			✓	✓	OK	
7	3W16130	Nap-0.5		A899	100			✓	✓	OK	
7	3W16131	Nap-0.2		A849	40			✓	✓	OK	
6	3W16132	Nap-20		A636	200			✓	✓	OK	
6	3W16133	Nap-40		A636	400			✓	✓	OK	
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

TO-14/TO-15

ACCUTEST

Batch ID: V3W645

Date: 4/7/10

Analyst Signature:

Columns: RTX-1 60M X .32mm

Method: TO15 3W.M

Seq. File: 3W040710.S

Initial Cal. Method: MW644

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15STD	40ppbv
AS4343	TO15LCS	40ppbv
AS4331	IS/surr	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16136	BFB		A685	100					OK	
2	3W16137	CC644-10		A204	100			✓	✓	OK	
3	3W16138	BS		A837	100			✓	✓	OK	
3	3W16139	BSD		A837	100			✓	✓	OK	
5	3W16140	MB/SCC		A954	400			✓	✓	OK	
6	3W16141	JA43090-2BR[W]	STD	A017	400	1		✓	✓	OK	
7	3W16142	JA43460-7	STD	A517	100	1		✓	✓	OK	
8	3W16143	JA43460-8	↓	A621	100	1		✓	✓	OK	
9	3W16144	JA43460-9		A700	100	1		✓	✓	OK/DL	RR25ml
10	3W16145	JA43460-10		A534	100	1		✓	✓	OK	
11	3W16146	JA43329-1	STD	A340	100	1		✓	✓	OK/DL	RR20ml
12	3W16147	JA43329-2		A607	400	1		✓	✓	OK	
13	3W16148	JA43329-3		A279	400	1		✓	✓	OK	
14	3W16149	JA43329-4		A191	400	1		✓	✓	OK	
15	3W16150	JA43329-5		A350	100	1		✓	✓	OK	
15	3W16151	JA43329-5Dup		A350	100	1		✓	✓	OK	
16	3W16152	JA43329-6		A664	400	1		✓	✓	OK	
1	3W16153	JA43329-7		A255	400	1		✓	✓	OK	
3	3W16154	JA43329-8		A873	400	1		✓	✓	OK/DL	RR20ml
4	3W16155	JA43329-9	↓	A209	400	1		✓	✓	OK	
6	3W16156	JA43119-10	BTEX,TMS	A329	400	1		✓	✓	OK	
7	3W16157	JA43340-1	STD	A479	400	1		✓	✓	OK	
8	3W16158	JA43340-2		A285	400	1		✓	✓	OK/DL	RR20ml
9	3W16159	JA43340-3		A358	100	1		✓	✓	OK	
10	3W16160	JA43340-4	↓	A271,A802	100	26.6		✓	✓	OK	
11	3W16161	JA43364-1	STD+	A619,A785	100	260		✓	✓	OK/DL	RR2000X
5	3W16162	SCC		A462	400	1				RR	Possible carryover
	3W16163										
	3W16164						YH				
	3W16165										

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
4/7/10	YH	JA43340-4	A271	-5.5	1.2	1.33	A802	1000	100	14.7	2000	20	26.6
4/7/10	YH	JA43364-1	A819	-5.0	1.2	1.30	A785	1000	10	14.7	2000	200	260

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

94

TO-14/TO-15

Batch ID: V3W651

ACCUTEST

Analyst Signature: RTY

Date: 04/16/2010

Columns: RTX-1, 60m X 0.32mm X1.0um
Method: TO15 3W.M
Seq. File: 3W041610.S
Initial Cal. Method: M3W644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15 STD	40 PPBV
AS 4343	TO15 LCS	40 PPBV
AS 4331	IS/Surr	40 PPBV
AS 4347	Naphthalene	40 PPBV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 4/9/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16309	BFB		A885	100			✓		OK	6:57 am
2	3W16310	CCG44-10		A204	100			✓	✓	OK	
6	3W16311	Nap-10		A636	100			✓	✓	OK	
3	3W16312	BS		A837	100			✓	✓	OK	
3	3W16313	BSD		A837	100			✓	✓	OK	
5	3W16314	MB (SCC)		A877	400			✓	✓	OK	
1	3W16315	JA44218-1	95622 Nap STD	A496	100			✓	✓	OK	
1	3W16316	JA44218-1	Dup ↓	A496	100			✓	✓	OK	
3	3W16317	JA44036-6		A442	400			✓	✓		On Hold
4	3W16318	JA44036-7		A369	400			✓	✓		On Hold
6	3W16319	JA44036-8		A831	400			✓	✓		On Hold
R 7	3W16320	JA44111-3	95522 STD	A571	60			✓	✓	OK	
R 8	3W16321	JA43644-6		A330	400			✓	✓	Not use	cancelled
9	3W16322	JA44237-1	95622 Nap STD	A477	400			✓	✓	OK	
10	3W16323	JA44237-2	↓	A089	400			✓	✓	OK	
11	3W16324	JA44237-3	↓	A125	400			✓	✓	OK	
12	3W16325	JA44364-1	95722 STD	A795	100			✓	✓	OK	
13	3W16326	JA44364-2	↓	A592, A094	200	50		✓	✓	OK	
14	3W16327	JA44364-3	↓	A806, A382	200	57.6		✓	✓	OK	
15	3W16328	JA44364-4	↓	A578, A570	200	24.6		✓	✓	OK	
16	3W16329	JA44364-5	↓	A383	100			✓	✓	OK	

RTY 04/16/2010

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

			Original Canister Dilution				Secondary Canister Dilution						Final Canister Dilution
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Factor
SA 04/9/10	RT-J	JA44410-1	A248	0.0	0	1	A700	1000	20	14.7	2000	100	100
04/9/10	RT-J	JA44410-2	A225	0.0	0	1	A701	1000	50	14.7	2000	40	40
04/9/10	RT-J	JA44410-3	A196	0.0	0	1	A677	1000	50	14.7	2000	40	40

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

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Form: AT003-03
Rev. Date: 6/13/06

TO-14/TO-15

Batch ID: V3W652

ACCUTEST

Analyst Signature: RT-/

Date: 04/19/2010

Columns: RTx-1, 60mx0.32mmx1.0um
Method: TO15.3W.M
Seq. File: 3W041910.S
Initial Cal. Method: M3W644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15 STD	40ppbV
AS4343	TO15 LCS	40 ppbV
AS4347	Naphthalene	40ppbV
AS4331	IS/surr	40/50ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: _____

	AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
	5	3W16330	BFB		A885	100					OK	6:00 am
	2	3W16331	CC644-10		A204	100			✓	✓	OK	
	6	3W16332	Nap-10		A636	100			✓	✓	OK	
	3	3W16333	BS		A837	100			✓	✓	OK	
	3	3W16334	BSD		A837	100			✓	✓	OK	
	5	3W16335	MB		A372	400			✓	✓	OK	
	1	3W16336	JA44465-31	95804 STD	A628	200			✓	✓	not used	
R	1	3W16337	JA44465-31	Dup	A628	200			✓	✓	not used	
R	3	3W16338	JA44465-34	↓	A323	200			✓	✓	OK	
R	4	3W16339	JA44465-27	↓	A246	200			✓	✓	OK	
R	6	3W16340	JA44395-3	95722 STD	A631, A688	400	100		✓	✓	OK	
R	7	3W16341	JA44036-3	95746 STD	A156	592	1.48		✓	✓	OK	ON HOLD
	8	3W16342	JA44409-1	95722 STD	A043	40			✓	✓	OK	
	9	3W16343	JA44409-2	↓	A710	20			✓	✓	OK/K	100mL
	10	3W16344	JA44409-3	↓	A770	20			✓	✓	OK/K	100mL
	11	3W16345	JA44410-1	↓	A348, A700	200	100		✓	✓	OK	
	12	3W16346	JA44410-2	↓	A225, A701	200	40		✓	✓	OK/K	400mL 40x
	13	3W16347	JA44410-3	↓	A196, A677	200	40		✓	✓	OK/K	200mL 1X
	14	3W16348	JA44505-1	95803 STD	A487	400			✓	✓	OK	
	15	3W16349	JA44505-2	↓	A002	400			✓	✓	OK	RR 200ml
	16	3W16350	JA44505-3	↓	A308	400			✓	✓	OK	
	16	3W16351	JA44505-3	Dup	A308	400			✓	✓	OK	
	3	3W16352	JA44426-1	95736 STD	A278	400			✓	✓	OK	
	1	3W16353	JA44465-31	95804 STD	A628	400			✓	✓	OK/DL	100mL ~~200mL~~ 4x c
	4	3W16354	JA44426-2	95736 STD	A256	400			✓	✓	OK/DL	100mL
	6	3W16355	JA44426-3		A653	400			↑	✓	OK/K	CT
	7	3W16356	JA44426-4	↓	A336	400			-	-	OK	
	5	3W16357	SCC		A319	400			✓	✓	OK	4:06 am

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

TO-14/TO-15

Batch ID: VW1071

ACCUTEST

Analyst Signature:

Date: 4/12/10

Columns: RTX-160MX.32mm
Method: TO15W.M
Seq. File: W041210.S
Initial Cal. Method: MW1055

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.
AS 4330	IS/surr	40/20ppbv
AS 4359	Naphthalene	40ppbv
AS 4360	Naphthalene	2.0ppbv

Standard Data

Lot #	Description	Conc.
AS 4356	TO15STD	40ppbv
AS 4357	TO15STD	2.0ppbv
AS 4358	TO15STD	0.4ppbv
AS 4355	TO15LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W25847	BFB		A885	100					OK	
2	W25848	CC1055-10		A663	100					not used	
2	W25849	CC1055-10		A663	100					OK	
3	W25850	BS		A227	100					OK	
3	W25851	BSD		A227	100					not used	
5	W25852	BFB		A885	100					OK	
2	W25853	ICC1071-10		A663	100			✓	✓	OK	
1	W25854	IC1071-0.5		A747	100			✓	✓	not used	
2	W25855	IC1071-5.0		A663	50			✓	✓	not used	
1	W25856	IC1071-0.2		A747	40			✓	✓	not used	
2	W25857	IC1071-20		A663	200			✓	✓	OK	
2	W25858	IC1071-5.0		A663	50			✓	✓	OK	
4	W25859	IC1071-0.1		A183	100			✓	✓	OK	
4	W25860	IC1071-0.04		A183	40			✓	✓	OK	
6	W25861	Nap-5.0		A228	50			✓	✓	OK	
6	W25862	Nap-10		A228	100			✓	✓	OK	
2	W25863	IC1071-40		A663	400			✓	✓	OK	
7	W25864	Nap-0.5		A639	100			✓	✓	OK	
7	W25865	Nap-0.2		A639	40			✓	✓	OK	
6	W25866	Nap-20		A228	200			✓	✓	OK	
6	W25867	Nap-40		A228	400			✓	✓	OK	
2	W25868	IC1071-0.5		A747	100			✓	✓	OK	
2	W25869	IC1071-0.2		A747	40~~100~~			✓	✓	OK	
—	W25870										
					~~111~~						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

Batch ID: VW1072

ACCUTEST

Analyst Signature:

Date: 4/13/10

Columns: RTX-160MX, 32mm
Method: TO15W.M
Seq. File: WD41310.S
Initial Cal. Method: MWI071.M

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS 4356	TO15STD	40ppbv
AS 4355	TO15 LCS	40ppbv
AS 4330	ISTD surr	40/2ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W25870	BFB		A885	100					ok	
2	W25871	CC1071-10		A663	100			✓	✓	natural	
2	W25872	CC1071-10		A663	100			✓	✓	ok	
3	W25873	BS		A277	100			✓	✓	ok	
3	W25874	BSD		A277	100			✓	✓	ok	
5	W25875	MBISCC		A515	400			✓	✓	ok	
6	W25876	JA43066-10	STD	A804,A799	200	29		✓	✓	ok	
7	W25877	JA43066-11	↓	A582	20	1		✓	✓	ok	
8	W25878	JA43694-2	STD	A184	40	1		✓	✓	ok	
9	W25879	JA43695-1	STD	A284	25	1		✓	✓	ok	
10	W25880	JA43653-1	STD+	A390,A691	400	246		✓	✓	ok	
11	W25881	JA43177-1	SL	A859	100	1		✓	✓	ok	
12	W25882	JA43283-2	STD	A[illegible]A415,A52	200	4480		✓	✓	ok	
13	W25883	JA44036-9	STD	A504	100	1		✓	✓	ok	
13	W25884	JA44036-9DUP	↓	A504	100	1		✓	✓	ok	
14	W25885	JA44036-10		A399	100	1		✓	✓	ok	
15	W25886	JA44036-11	↓	A545	100	1		✓	✓	ok	
16	W25887	JA43443-1	STD	Airbag	100	1		✓	✓	OK/DL	RR 20ml
1	W25888	JA43443-2	↓	Airbag,A581	100	25		✓	✓	OK/DL	RR 20ml
3	W25889	JA43443-3	↓	Airbag	40	1		✓	✓	OK/DL	RR 50X
4	W25890	JA43891-1	STD	A863,A386	100	60		✓	✓	ok	
6	W25891	JA43891-2	↓	A882,A394	200	24		✓	✓	OK/DL	RR 40ml
5	W25892	SCC		A521	400	1		✓	✓	OK	
						YH					

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

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6.8.14 6

ACCUTEST Laboratories JA45062

ACCUTEST Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
4/13/10	YH	JA43066-10	A804	-7.5	1.3	1.45	A799	1000	100	14.7	2000	20	29
4/13/10	YH	JA43283-2	A415	+14.7	+14.7	224	A572	1000	100	14.7	2000	20	4480
4/13/10	YH	JA43443-2	Airbag	0	0	1	A581	1000	80	14.7	2000	25	25
4/13/10	YH	JA43891-1	A863	-3.0	1.2	1.2	A386	1000	40	14.7	2000	50	60
4/13/10	YH	JA43891-2	A882	-3.0	1.2	1.2	A394	1000	100	14.7	2000	20	24

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

Batch ID: VW1077

ACCUTEST

Analyst Signature: RTJ

Date: 04/20/2010

Columns: RTX-1, 60mX0.32mmX1.0um
Method: TO15W.M
Seq. File: WO#2010.S
Initial Cal. Method: MW1071

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4356	TO15 STD	40ppbv
AS4355	TO15 LCS	40 ppbv
AS4330	IS/Surr	40/50ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/21/10

	AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
	5	W25989	BFB		A885	100					OK	6.15.6m
	2	W25990	CC1071-10		A663	100			✓	✓	ok	
	3	W25991	BS		A277	100			✓	✓	ok	
	3	W25992	BSD		A277	100			✓	✓	ok	
	5	W25993	MB/SCC		A148	400			✓	✓	ok	
R	14	W25994	JA44313-1	R5722	A461,A620	400	2000		✓	✓	ok/k	
	1	W25995	JA44560-1	R5829	A249	400			✓	✓	ok	
	1	W25996	JA44560-1	Dup	A249	400			✓	✓	ok	
	3	W25997	JA44594-1	R5849	A777	400			✓	✓	ok	
	4	W25998	JA44594-2		A679	100			✓	✓	ok	
R	6	W25999	JA44432-1	R5728	A093,A776	50			✓	✓	ok	
R	7	W26000	JA44432-2		A093	30			✓	✓	ok	
R	8	W26001	JA44432-3		A671	100			✓	✓	ok	
	9	W26002	JA44432-4	5849-4	A507	100					Not Run	N/A per client
	10	W26003	JA44432-5	5849-5	A381	100						
	11	W26004	JA44560-8	R5829	A751	400						
	12	W26005	JA44560-9		A233	400						
	13	W26006	JA44560-10		A285	400						
	14	W26007	JA44560-11		A274	400						
	15	W26008	JA44560-12		A324	400						
	16	W26009	JA44560-13		A756	400						
	1	W26010	JA44594-3		A354	400						
	3	W26011	JA44429-1		A447	400						
	4	W26012	JA44465-19		A815	400						
	6	W26013	JA44465-17		A829	400						
	7	W26014	JA44465-15		A759	400						
	5	W26015	SCC		A606	400						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

TO-14/TO-15

Batch ID: VW 1078

ACCUTEST

Analyst Signature: RT:J

Date: 04/21/2010

Columns: RTX-1, 60m x 0.32mm x 1.0um
Method: TO15W.M
Seq. File: W042110.S
Initial Cal. Method: MW1071

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4356	TO15 STD	40ppbV
AS4355	TO15 LCS	40ppbV
AS4330	IS/Surr	40/50ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: ✓ Date: 4/21/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W26016	BFB		A606	100			-		OK	6:15am
2	W26017	CC1071-10		A663	100			✓	✓	OK	
3	W26018	BS		A277	100			✓	✓	OK	
3	W26019	BSD		A277	100			✓	✓	OK	
5	W26020	MB (SCC)	95849 SCC	~~A606~~ 368	400			✓	✓	OK	
1	W26021	JA44594-3		A354	400			✓	✓	OK	
4	W26022	JA44594-2		A619	100			×	×	not Run	
9	W26023	JA44594-4		A507	100			✓	✓	OK	
10	W26024	JA44594-5	↓ 95849	A381	100			✓	✓	OK	
3	W26025	JA44560-14		A304	400			✓	✓	OK/DL	20mL
4	W26026	JA44560-15		A873	400			✓	✓	OK/DL	40mL
6	W26027	JA44560-16		A887	400			✓	✓	OK/DL	100mL
7	W26028	JA44560-17		A765	400			✓	✓	OK/DL	20mL
8	W26029	JA44560-~~18~~ 19		A881	400			✓	✓	OK/DL	2oml
8	W26030	JA44560-~~18~~ DUP		A881	400			✓	✓	OK	2oml
9	W26031	JA44560-20		A112	400			✓	✓	OK/DL	20ml
10	W26032	JA44560-21		A325	400			✓	✓	OK/DL	20 ml
11	W26033	JA44560-8		A751	400			✓	✓	OK	
12	W26034	JA44560-9		A233	400			✓	✓	OK	
13	W26035	JA44560-10		~~A 325~~ A 325	400			✓	✓	OK	
14	W26036	JA44560-~~11~~ 12		~~A 274~~ A 274	400			✓	✓	OK/DL	20ml
15	W26037	JA44560-~~12~~ 13		A 334	400			✓	✓	OK/DL	20ml
16	W26038	JA44560-~~13~~ 11		A 756	400			✓	✓	~~OK~~ OK Vxc	
1	W26039	JA44560-18		A753	400			✓	✓	OK/DL	20ml
R 3	W26040	JA44560-14		A304	20			✓	✓	OK	
R 4	W26041	JA44560-15		A873	40			✓	✓	OK	
R 6	W26042	JA44560-16		A887	100			✓	✓	OK	5:04am
R 7	W26043	JA44560-17		A765	20					not Run	
5	W26044	SCC		A850	400						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45062

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/11/10



Technical Report for

Shaw Environmental

Fort Monmouth, Phase II ECP, NJ

137749

Accutest Job Number: JA45152

Sampling Dates: 04/26/10 - 04/27/10

Report to:

Shaw Environmental
2113 Emmonton Park Road
Edgewood, MD 21040

ATTN: Mark Magness

Total number of pages in report: **935**

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ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Accutest Laboratories

Sample Summary

Shaw Environmental

Job No: JA45152

Fort Monmouth, Phase II ECP, NJ
Project No: 137749

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA45152-1	04/26/10	09:40	JK	04/27/10	AIR	Air	52IA-3
JA45152-2	04/26/10	10:10	JK	04/27/10	AIR	Air	52IA-4AMBIENT
JA45152-3	04/26/10	09:35	JK	04/27/10	AIR	Air	52IA-2
JA45152-4	04/26/10	09:30	JK	04/27/10	AIR	Air	52IA-1
JA45152-5	04/26/10	08:10	JK	04/27/10	AIR	Air	34IA-3AMBIENT
JA45152-6	04/26/10	08:00	JK	04/27/10	AIR	Air	34IA-1
JA45152-7	04/26/10	08:05	JK	04/27/10	AIR	Air	34IA-2
JA45152-8	04/27/10	09:10	JK	04/27/10	AIR	Air	43IA-3AMBIENT
JA45152-9	04/27/10	08:55	JK	04/27/10	AIR	Air	43IA-2
JA45152-10	04/27/10	08:45	JK	04/27/10	AIR	Air	43IA-1

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Shaw Environmental	**Job No**	JA45152
Site:	Fort Monmouth, Phase II ECP, NJ	**Report Date**	5/11/2010 6:35:47 PM

On 04/27/2010, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA45152 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** VW1083

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44640-11DUP were used as the QC samples indicated.
- Sample(s) JA45152-1, JA45152-3, JA45152-4, JA45152-6, JA45152-7 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

Matrix: AIR **Batch ID:** VW1084

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45093-2DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: 52IA-3
Lab Sample ID: JA45152-1 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A896 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26170.D	1	05/05/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.2	0.20	0.039	ppbv		29.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.5	0.20	0.021	ppbv		4.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.75	0.20	0.061	ppbv		2.6	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 52IA-3
Lab Sample ID: JA45152-1
Matrix: AIR - Air Summa ID: A896
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/26/10
Date Received: 04/27/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	63.1	0.50	0.077	ppbv	E	119	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.0	0.20	0.019	ppbv		4.3	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.65	0.20	0.043	ppbv		3.2	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	1.1	0.20	0.026	ppbv		4.5	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	2.8	0.20	0.019	ppbv		9.9	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.20	0.035	ppbv		5.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.28	0.20	0.025	ppbv		0.97	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.86	0.20	0.039	ppbv		2.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	6.5	0.20	0.045	ppbv		27	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.22	0.20	0.022	ppbv		0.79	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.38	0.20	0.025	ppbv		2.1	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.2	0.20	0.021	ppbv		16	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.80	0.20	0.026	ppbv		3.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.81	0.20	0.020	ppbv		3.8	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.044	0.040	0.021	ppbv		0.30	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	6.0	0.20	0.018	ppbv		23	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	5.4	0.040	0.019	ppbv		29	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	4.8	0.20	0.045	ppbv		21	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.5	0.20	0.023	ppbv		6.5	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	6.2	0.20	0.023	ppbv		27	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 52IA-4AMBIENT
Lab Sample ID: JA45152-2 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A259 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26171.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.8	0.20	0.039	ppbv		14	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.099	0.20	0.021	ppbv	J	0.32	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 52IA-4AMBIENT
Lab Sample ID: JA45152-2
Matrix: AIR - Air Summa ID: A259
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/26/10
Date Received: 04/27/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	20.8	0.50	0.077	ppbv		39.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.8	0.20	0.051	ppbv		6.5	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.24	0.20	0.035	ppbv		0.59	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.52	0.20	0.039	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.049	0.040	0.021	ppbv		0.33	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.28	0.20	0.018	ppbv		1.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.20	0.021	ppbv		1.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.12	0.20	0.045	ppbv	J	0.52	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.12	0.20	0.023	ppbv	J	0.52	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 52IA-2
Lab Sample ID: JA45152-3 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A764 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26172.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.2	0.20	0.039	ppbv		29.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.69	0.20	0.021	ppbv		2.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.58	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.29	0.20	0.061	ppbv		1.0	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 52IA-2
Lab Sample ID: JA45152-3 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A764 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	113	0.50	0.077	ppbv	E	213	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.51	0.20	0.019	ppbv		2.2	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.8	0.20	0.051	ppbv		10	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.25	0.20	0.043	ppbv		1.2	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.74	0.20	0.026	ppbv		3.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.98	0.20	0.019	ppbv		3.5	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	8.1	0.20	0.035	ppbv		20	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.025	ppbv		0.76	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.69	0.20	0.039	ppbv		2.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.0	0.20	0.045	ppbv		8.2	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.018	ppbv	J	0.60	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.12	0.20	0.025	ppbv	J	0.65	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.3	0.20	0.021	ppbv		6.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.34	0.20	0.026	ppbv		1.7	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.30	0.20	0.020	ppbv		1.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.037	0.040	0.021	ppbv	J	0.25	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	2.4	0.20	0.018	ppbv		9.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	1.8	0.040	0.019	ppbv		9.7	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.0	0.20	0.045	ppbv		8.7	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.61	0.20	0.023	ppbv		2.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.6	0.20	0.023	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 52IA-1
Lab Sample ID: JA45152-4 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A188 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26173.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	13.3	0.20	0.039	ppbv		31.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.81	0.20	0.021	ppbv		2.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	0.37	0.20	0.061	ppbv		1.3	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.024	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 52IA-1
Lab Sample ID: JA45152-4 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A188 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	107	0.50	0.077	ppbv	E	202	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.61	0.20	0.019	ppbv		2.6	0.87	ug/m3
141-78-6	88	Ethyl Acetate	2.1	0.20	0.051	ppbv		7.6	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.33	0.20	0.043	ppbv		1.6	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.78	0.20	0.026	ppbv		3.2	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	1.3	0.20	0.019	ppbv		4.6	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	7.9	0.20	0.035	ppbv		19	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.19	0.20	0.025	ppbv	J	0.66	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.71	0.20	0.039	ppbv		2.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	3.2	0.20	0.045	ppbv		13	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.17	0.20	0.018	ppbv	J	0.72	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.17	0.20	0.025	ppbv	J	0.93	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.7	0.20	0.021	ppbv		8.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.42	0.20	0.026	ppbv		2.1	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.38	0.20	0.020	ppbv		1.8	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.041	0.040	0.021	ppbv		0.28	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	3.1	0.20	0.018	ppbv		12	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	2.5	0.040	0.019	ppbv		13	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	2.5	0.20	0.045	ppbv		11	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.79	0.20	0.023	ppbv		3.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	3.3	0.20	0.023	ppbv		14	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 34IA-3AMBIENT
Lab Sample ID: JA45152-5 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A340 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26174.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.1	0.20	0.039	ppbv		5.0	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 34IA-3AMBIENT
Lab Sample ID: JA45152-5 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A340 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.6	0.50	0.077	ppbv		3.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.20	0.20	0.018	ppbv		0.75	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 34IA-1
Lab Sample ID: JA45152-6 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A372 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26175.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	7.7	0.20	0.039	ppbv		18	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.021	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.79	0.20	0.024	ppbv		3.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 34IA-1
Lab Sample ID: JA45152-6 **Date Sampled:** 04/26/10
Matrix: AIR - Air Summa ID: A372 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	51.5	0.50	0.077	ppbv	E	97.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.026	ppbv	J	0.53	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.20	0.035	ppbv		3.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.60	0.20	0.039	ppbv		1.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.46	0.20	0.018	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	13.5	0.20	0.021	ppbv		75.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.045	ppbv	J	0.48	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.023	ppbv	J	0.48	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 34IA-2
Lab Sample ID: JA45152-7
Matrix: AIR - Air Summa ID: A262
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/26/10
Date Received: 04/27/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26176.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.5	0.20	0.039	ppbv		15	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.021	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.84	0.20	0.024	ppbv		4.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 34IA-2
Lab Sample ID: JA45152-7
Matrix: AIR - Air Summa ID: A262
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/26/10
Date Received: 04/27/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	42.6	0.50	0.077	ppbv	E	80.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	1.5	0.20	0.051	ppbv		5.4	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.34	0.20	0.025	ppbv		1.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.039	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.48	0.20	0.018	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.12	0.040	0.019	ppbv		0.64	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	14.1	0.20	0.021	ppbv		79.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 43IA-3AMBIENT
Lab Sample ID: JA45152-8
Matrix: AIR - Air Summa ID: A218
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/27/10
Date Received: 04/27/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26177.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.0	0.20	0.039	ppbv		4.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.021	ppbv	J	0.45	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.024	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 43IA-3AMBIENT
Lab Sample ID: JA45152-8
Matrix: AIR - Air Summa ID: A218
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/27/10
Date Received: 04/27/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1.5	0.50	0.077	ppbv		2.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	0.74	0.20	0.051	ppbv		2.7	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.55	0.20	0.018	ppbv		2.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	0.14	0.20	0.045	ppbv	J	0.61	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.14	0.20	0.023	ppbv	J	0.61	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 43IA-2
Lab Sample ID: JA45152-9 **Date Sampled:** 04/27/10
Matrix: AIR - Air Summa ID: A368 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26178.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2	W26188.D	1	05/06/10	YMH	n/a	n/a	VW1084

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	90.7 [a]	0.80	0.16	ppbv		215 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	5.8	0.20	0.021	ppbv		19	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.20	0.047	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	5.1	0.20	0.061	ppbv		18	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.024	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 43IA-2
Lab Sample ID: JA45152-9
Matrix: AIR - Air Summa ID: A368
Method: TO-15
Project: Fort Monmouth, Phase II ECP, NJ

Date Sampled: 04/27/10
Date Received: 04/27/10
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	75.8 [a]	2.0	0.31	ppbv		143 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	3.1	0.20	0.019	ppbv		13	0.87	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	1.2	0.20	0.043	ppbv		5.9	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	8.0	0.20	0.026	ppbv		33	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	14.2	0.20	0.019	ppbv		50.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.5	0.20	0.035	ppbv		3.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.27	0.20	0.025	ppbv		0.94	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.3	0.20	0.039	ppbv		6.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	2.3	0.20	0.045	ppbv		9.4	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	5.6	0.50	0.061	ppbv		9.6	0.86	ug/m3
100-42-5	104.1	Styrene	0.37	0.20	0.018	ppbv		1.6	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	5.4	0.20	0.021	ppbv		27	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.4	0.20	0.026	ppbv		6.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	10.8	0.20	0.020	ppbv		50.4	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.065	0.040	0.021	ppbv		0.44	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	52.5 [a]	0.80	0.071	ppbv		198 [a]	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.021	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	11.0	0.20	0.045	ppbv		47.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	3.9	0.20	0.023	ppbv		17	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	14.9	0.20	0.023	ppbv		64.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%	99%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	43IA-2		
Lab Sample ID:	JA45152-9	**Date Sampled:**	04/27/10
Matrix:	AIR - Air Summa ID: A368	**Date Received:**	04/27/10
Method:	TO-15	**Percent Solids:**	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 43IA-1
Lab Sample ID: JA45152-10 **Date Sampled:** 04/27/10
Matrix: AIR - Air Summa ID: A361 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W26179.D	1	05/06/10	YMH	n/a	n/a	VW1083
Run #2	W26189.D	1	05/06/10	YMH	n/a	n/a	VW1084

	Initial Volume
Run #1	400 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	62.4 [a]	0.80	0.16	ppbv		148 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.5	0.20	0.021	ppbv		4.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.53	0.20	0.047	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	1.1	0.20	0.061	ppbv		3.8	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 43IA-1
Lab Sample ID: JA45152-10 **Date Sampled:** 04/27/10
Matrix: AIR - Air Summa ID: A361 **Date Received:** 04/27/10
Method: TO-15 **Percent Solids:** n/a
Project: Fort Monmouth, Phase II ECP, NJ

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	31.9	0.50	0.077	ppbv		60.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	0.20	0.019	ppbv		4.8	0.87	ug/m3
141-78-6	88	Ethyl Acetate	4.0	0.20	0.051	ppbv		14	0.72	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.43	0.20	0.043	ppbv		2.1	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	1.8	0.20	0.026	ppbv		7.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	3.5	0.20	0.019	ppbv		12	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.4	0.20	0.035	ppbv		11	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.59	0.20	0.025	ppbv		2.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.9	0.20	0.039	ppbv		8.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	1.1	0.20	0.045	ppbv		4.5	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	42	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.018	ppbv	J	0.60	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.12	0.20	0.025	ppbv	J	0.65	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.0	0.20	0.021	ppbv		9.8	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.58	0.20	0.026	ppbv		2.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	3.2	0.20	0.020	ppbv		15	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.15	0.20	0.023	ppbv	J	0.45	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.87	0.040	0.021	ppbv		5.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	27.9	0.20	0.018	ppbv		105	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.046	0.040	0.019	ppbv		0.25	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.021	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	106.2	m,p-Xylene	3.9	0.20	0.045	ppbv		17	0.87	ug/m3
95-47-6	106.2	o-Xylene	1.3	0.20	0.023	ppbv		5.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	5.2	0.20	0.023	ppbv		23	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	96%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	43IA-1		
Lab Sample ID:	JA45152-10	**Date Sampled:**	04/27/10
Matrix:	AIR - Air Summa ID: A361	**Date Received:**	04/27/10
Method:	TO-15	**Percent Solids:**	n/a
Project:	Fort Monmouth, Phase II ECP, NJ		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2009 MDL Study - Method: TO-15

ACCUTEST Laboratories
www.accutest.com

AIR

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #: | Bottle Order Control #: MO-4/13/2010-16
Lab Quote #: | Lab Job #: JA45152

PAGE 4 OF 4 (4W)

Client / Reporting Information

Company Name: Shaw Environmental Inc
Address: 200 Horizon Center Blvd
City: Trenton State: NJ Zip: 08691
Project Contact: Mark Magness E-mail: mark.magness@shawgrp.com
Phone #: 973-723-6116 Fax #:

Project Name: Fort Monmouth Indoor Air
Street:
City: Fort Monmouth State: NJ
Project #: 137749
Client Purchase Order #:

Sampler(s) Name(s):

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:

Atmoshpheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:

Other weather comment:

Requested Analysis

TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-1	52IA-3	I	8002	6L	088	4/25/10	0940	30	A896	JK	4/26/10	0940	4		JK
-2	52IA-4Ambient	A	4853	6L	099	4/25/10	1110	28.5	A359	JK	4/26/10	1010	5.5		JK
-3	52IA-2	I	7505	6L	333	4/25	0935	30	A764	JK	4/26	0935	6		JK
-4	52IA-1	I	3422		382	4/25	0930	30	A188	JK	4/26	0930	0		JK
-5	34IA-3Ambient	A	5215		083	4/25	0840	29	A340	JK	4/26	0840	4		JK
-6	34IA-1	I	5094		163	4/25	0800	30	A372	JK	4/26	0800	5		JK
-7	34IA-2	I	4931		317	4/25	0805	30	A262	JK	4/26	0805	6		JK
-8	43IA-3Ambient	A	3790		442	4/26	0910	30	A218	JK	4/27	0910	1		JK
-9	43IA-2	I	5710		052	4/26	0855	30	A368	JK	4/27	0855	4		JK
-10	43IA-1	I	5711		331	4/26	0845	28.5	A361	JK	4/27	0845	5		JK

Turnaround Time (Business Days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	X
Other:	

Comments / Remarks

Summa

Michelle Lobsiger - alternate contact
973-770-5313 (phone)
973-770-5315 (Fax)

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1	4/21/10	1	1	4/22/10 1515	2
Relinquished by: 2	Date Time: 4/27/10	Received by: 3	Relinquished by: 4	Date Time: 4/27/10 1315	Received by:
Relinquished by: 5	Date Time: 1420	Received by: 5	Custody Seal # 688-690 Intact		

4.1 4

JA45152: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA45152 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 4/27/2010 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 0 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

JA45152: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/27/10

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A896	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45152-1	04/28/10	TVW	3			1
A259	6	29.4	04/21/10	TVW	CP4022	W25965A.D	JA45152-2	04/28/10	TVW	4.5			1
A764	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45152-3	04/28/10	TVW	7			1
A188	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45152-4	04/28/10	TVW	.5			1
A340	6	29.4	04/21/10	TVW	CP4010	2W26753.D	JA45152-5	04/28/10	TVW	4			1
A372	6	29.4	04/21/10	TVW	CP4023	3W16335A.D	JA45152-6	04/28/10	TVW	5			1
A262	6	29.4	04/21/10	TVW	CP4012	3W16260A.D	JA45152-7	04/28/10	TVW	6			1
A218	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45152-8	04/28/10	TVW	0			1
A368	6	29.4	04/21/10	TVW	CP4026	W26020A.D	JA45152-9	04/28/10	TVW	4			1
A361	6	29.4	04/21/10	TVW	CP4027	W25993A.D	JA45152-10	04/28/10	TVW	5.5			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
FC052	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC083	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC088	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC099	04/21/10	TVW	3.4	24	04/28/10	TVW	3.3
FC163	04/21/10	TVW	3.4	24	04/28/10	TVW	3.5
FC317	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC331	04/21/10	TVW	3.4	24	04/28/10	TVW	3.3
FC333	04/21/10	TVW	3.4	24	04/28/10	TVW	3.2
FC382	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4
FC442	04/21/10	TVW	3.4	24	04/28/10	TVW	3.4

Accutest Bottle Order(s):
MV-3/31/2010-11

Prep Date	Room Temp(F)	Bar Pres "Hg
04/21/10	68.9	29.68

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45152

Fort Monmouth, Phase II ECP, NJ
Project No: 137749

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45152-1	Collected: 26-APR-10 09:40 By: JK		Received: 27-APR-10		By: MPC	
52IA-3						
JA45152-1	TO-15	05-MAY-10 22:39	YMH			VTO15STD
JA45152-2	Collected: 26-APR-10 10:10 By: JK		Received: 27-APR-10		By: MPC	
52IA-4AMBIENT						
JA45152-2	TO-15	06-MAY-10	YMH			VTO15STD
JA45152-3	Collected: 26-APR-10 09:35 By: JK		Received: 27-APR-10		By: MPC	
52IA-2						
JA45152-3	TO-15	06-MAY-10 00:41	YMH			VTO15STD
JA45152-4	Collected: 26-APR-10 09:30 By: JK		Received: 27-APR-10		By: MPC	
52IA-1						
JA45152-4	TO-15	06-MAY-10 01:22	YMH			VTO15STD
JA45152-5	Collected: 26-APR-10 08:10 By: JK		Received: 27-APR-10		By: MPC	
34IA-3AMBIENT						
JA45152-5	TO-15	06-MAY-10 02:03	YMH			VTO15STD
JA45152-6	Collected: 26-APR-10 08:00 By: JK		Received: 27-APR-10		By: MPC	
34IA-1						
JA45152-6	TO-15	06-MAY-10 03:25	YMH			VTO15STD
JA45152-7	Collected: 26-APR-10 08:05 By: JK		Received: 27-APR-10		By: MPC	
34IA-2						
JA45152-7	TO-15	06-MAY-10 04:06	YMH			VTO15STD
JA45152-8	Collected: 27-APR-10 09:10 By: JK		Received: 27-APR-10		By: MPC	
43IA-3AMBIENT						
JA45152-8	TO-15	06-MAY-10 04:47	YMH			VTO15STD

Internal Sample Tracking Chronicle

Shaw Environmental

Job No: JA45152

Fort Monmouth, Phase II ECP, NJ
Project No: 137749

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA45152-9	Collected: 27-APR-10 08:55 By: JK		Received: 27-APR-10 By: MPC			
43IA-2						
JA45152-9	TO-15	06-MAY-10 05:28	YMH			VTO15STD
JA45152-9	TO-15	06-MAY-10 15:17	YMH			VTO15STD
JA45152-10	Collected: 27-APR-10 08:45 By: JK		Received: 27-APR-10 By: MPC			
43IA-1						
JA45152-10	TO-15	06-MAY-10 06:50	YMH			VTO15STD
JA45152-10	TO-15	06-MAY-10 15:58	YMH			VTO15STD

Accutest Internal Chain of Custody

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/27/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA45152-1.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-1.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-1.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-1.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-1.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-2.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-2.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-2.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-2.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-2.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-3.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-3.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-3.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-3.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-3.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-4.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-4.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-4.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-4.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-4.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-5.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-5.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-5.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-5.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-5.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-6.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-6.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-6.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-6.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-6.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-7.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-7.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-7.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-7.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-7.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-8.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-8.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ
Received: 04/27/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA45152-8.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-8.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-8.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-9.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-9.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-9.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-9.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-9.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-9.1	Air Storage	Youmin Hu	05/06/10 16:52	Retrieve from Storage
JA45152-9.1	Youmin Hu	GCMSW	05/06/10 16:52	Load on Instrument
JA45152-9.1	GCMSW	Youmin Hu	05/07/10 10:47	Unload from Instrument
JA45152-9.1	Youmin Hu	Air Storage	05/07/10 10:47	Return to Storage
JA45152-10.1	Tim Hudson	Secured Storage	04/27/10 20:18	Return to Storage
JA45152-10.1	Secured Storage	Youmin Hu	05/05/10 17:16	Retrieve from Storage
JA45152-10.1	Youmin Hu	GCMSW	05/05/10 17:16	Load on Instrument
JA45152-10.1	GCMSW	Youmin Hu	05/06/10 11:17	Unload from Instrument
JA45152-10.1	Youmin Hu	Air Storage	05/06/10 11:17	Return to Storage
JA45152-10.1	Air Storage	Youmin Hu	05/06/10 16:52	Retrieve from Storage
JA45152-10.1	Youmin Hu	GCMSW	05/06/10 16:52	Load on Instrument
JA45152-10.1	GCMSW	Youmin Hu	05/07/10 10:47	Unload from Instrument
JA45152-10.1	Youmin Hu	Air Storage	05/07/10 10:47	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Acetone	7-Jan-09	0.2	0.19	0.22	0.22	0.23	0.22	0.23	0.23	0.22	109.66	0.013	0.039	5.10
1,3-Butadiene	6-Jan-09	0.1	0.13	0.11	0.13	0.11	0.11	0.10	0.13	0.12	117.04	0.012	0.036	2.76
Benzene	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.14	0.12	0.13	126.30	0.007	0.021	4.71
Bromodichloromethane	8-Jan-09	0.1	0.12	0.14	0.13	0.13	0.13	0.15	0.14	0.13	133.02	0.009	0.028	3.56
Bromoform	8-Jan-09	0.1	0.09	0.11	0.09	0.09	0.09	0.11	0.10	0.10	97.32	0.007	0.022	4.55
Bromomethane	6-Jan-09	0.1	0.11	0.11	0.12	0.09	0.11	0.10	0.11	0.11	106.15	0.008	0.024	4.15
Bromoethene	8-Jan-09	0.1	0.13	0.12	0.12	0.12	0.12	0.14	0.12	0.12	124.56	0.006	0.018	5.47
n-Butane	8-Jan-09	0.1	0.17	0.17	0.18	0.15	0.18	0.20	0.18	0.18	177.33	0.014	0.044	2.26
Benzyl Chloride	20-Jan-09	0.1	0.08	0.07	0.07	0.09	0.08	0.07	0.06	0.07	74.18	0.011	0.033	3.01
Carbon disulfide	8-Jan-09	0.1	0.14	0.14	0.14	0.14	0.13	0.16	0.15	0.14	140.90	0.011	0.034	2.98
Chlorobenzene	8-Jan-09	0.1	0.12	0.13	0.12	0.11	0.11	0.14	0.12	0.12	121.55	0.008	0.026	3.87
Chlorodifluoromethane	20-Jan-09	0.2	0.26	0.29	0.30	0.28	0.28	0.28	0.27	0.28	140.08	0.015	0.046	4.31
Chloroethane	7-Jan-09	0.2	0.20	0.18	0.21	0.19	0.21	0.21	0.22	0.20	101.48	0.013	0.040	4.99
Chloroform	8-Jan-09	0.1	0.13	0.14	0.13	0.13	0.13	0.15	0.14	0.14	135.26	0.009	0.028	3.56
Chloromethane	7-Jan-09	0.2	0.23	0.26	0.24	0.23	0.23	0.22	0.22	0.23	115.86	0.015	0.047	4.26
3-Chloropropene	8-Jan-09	0.2	0.22	0.22	0.21	0.20	0.20	0.19	0.21	0.21	103.25	0.010	0.031	6.52
2-Chlorotoluene	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.09	0.09	0.10	99.70	0.007	0.022	4.59
Carbon tetrachloride	6-Jan-09	0.1	0.11	0.11	0.13	0.12	0.13	0.12	0.12	0.12	121.79	0.007	0.022	4.55
Cyclohexane	20-Jan-09	0.1	0.16	0.13	0.13	0.16	0.12	0.12	0.11	0.13	129.77	0.020	0.061	1.63
1,1-Dichloroethane	20-Jan-09	0.2	0.21	0.23	0.24	0.22	0.22	0.21	0.22	0.22	110.06	0.010	0.032	6.19
1,1-Dichloroethylene	6-Jan-09	0.1	0.11	0.10	0.12	0.13	0.14	0.14	0.13	0.13	126.21	0.014	0.044	2.27
1,2-Dibromoethane	8-Jan-09	0.1	0.11	0.11	0.10	0.10	0.10	0.12	0.11	0.11	106.48	0.007	0.021	4.87
1,2-Dichloroethane	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.15	0.13	0.13	126.69	0.012	0.036	2.77
1,2-Dichloropropane	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.14	0.13	0.13	126.40	0.009	0.029	3.50
1,4-Dioxane	20-Jan-09	0.2	0.14	0.18	0.18	0.14	0.14	0.14	0.13	0.15	75.37	0.020	0.063	3.19
Dichlorodifluoromethane	6-Jan-09	0.1	0.12	0.11	0.13	0.12	0.13	0.13	0.13	0.12	124.25	0.008	0.024	4.20
Dibromochloromethane	20-Jan-09	0.2	0.25	0.26	0.28	0.26	0.25	0.26	0.25	0.26	129.69	0.011	0.034	5.81
trans-1,2-Dichloroethylene	7-Jan-09	0.2	0.21	0.22	0.20	0.19	0.20	0.20	0.18	0.20	99.11	0.011	0.035	5.72
cis-1,2-Dichloroethylene	6-Jan-09	0.1	0.12	0.10	0.11	0.10	0.11	0.09	0.11	0.10	104.78	0.009	0.028	3.52
cis-1,3-Dichloropropene	8-Jan-09	0.1	0.10	0.10	0.09	0.10	0.09	0.11	0.09	0.10	96.39	0.006	0.019	5.24
m-Dichlorobenzene	20-Jan-09	0.1	0.12	0.11	0.11	0.12	0.12	0.10	0.09	0.11	107.77	0.010	0.032	3.14
o-Dichlorobenzene	20-Jan-09	0.1	0.11	0.09	0.11	0.11	0.11	0.09	0.08	0.10	100.64	0.012	0.037	2.68
p-Dichlorobenzene	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.10	0.08	0.10	100.00	0.010	0.032	3.11
trans-1,3-Dichloropropene	6-Jan-09	0.1	0.09	0.09	0.10	0.08	0.09	0.09	0.08	0.09	89.90	0.005	0.016	6.21
2,3-Dimethylpentane	20-Jan-09	0.1	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11	111.62	0.007	0.023	4.42
2,4-Dimethylpentane	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.10	0.10	0.09	0.10	101.62	0.006	0.017	5.76
Ethanol	20-Jan-09	0.1	0.15	0.13	0.12	0.18	0.12	0.11	0.13	0.13	134.32	0.024	0.077	1.31

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	Replicate Spikes R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Ethylbenzene	6-Jan-09	0.1	0.09	0.09	0.09	0.08	0.09	0.08	0.08	0.09	85.93	0.006	0.019	5.17
Ethyl Acetate	20-Jan-09	0.2	0.13	0.15	0.17	0.12	0.15	0.14	0.14	0.14	71.35	0.016	0.051	3.90
4-Ethyltoluene	20-Jan-09	0.1	0.09	0.08	0.08	0.05	0.08	0.05	0.07	0.07	70.12	0.014	0.043	2.31
Freon 113	8-Jan-09	0.1	0.13	0.13	0.13	0.12	0.12	0.14	0.13	0.13	130.43	0.007	0.022	4.57
Freon 114	20-Jan-09	0.2	0.26	0.26	0.28	0.27	0.27	0.26	0.27	0.27	132.89	0.007	0.022	9.15
Freon 123	8-Jan-09	0.1	0.13	0.14	0.13	0.13	0.13	0.15	0.13	0.13	133.73	0.007	0.021	4.81
Freon 152A	20-Jan-09	0.2	0.21	0.24	0.24	0.23	0.23	0.23	0.23	0.23	114.44	0.010	0.031	6.40
Heptane	8-Jan-09	0.1	0.12	0.12	0.11	0.12	0.12	0.14	0.12	0.12	120.32	0.008	0.026	3.92
Hexachlorobutadiene	20-Jan-09	0.1	0.12	0.11	0.12	0.14	0.14	0.12	0.11	0.12	122.75	0.014	0.043	2.33
Hexane	8-Jan-09	0.1	0.13	0.13	0.12	0.13	0.12	0.14	0.13	0.13	126.98	0.006	0.019	5.18
2-Hexanone	7-Jan-09	0.2	0.16	0.16	0.17	0.16	0.14	0.15	0.17	0.16	78.55	0.010	0.030	6.61
Isopropylbenzene	6-Jan-09	0.1	0.08	0.09	0.09	0.08	0.08	0.07	0.08	0.08	81.53	0.006	0.020	5.03
Isopropyl Alcohol	6-Jan-09	0.1	0.14	0.13	0.16	0.15	0.14	0.12	0.13	0.14	139.12	0.011	0.035	2.89
Methylene chloride	8-Jan-09	0.2	0.28	0.29	0.28	0.27	0.27	0.27	0.29	0.28	139.42	0.008	0.025	8.01
Methyl ethyl ketone	20-Jan-09	0.2	0.16	0.16	0.17	0.14	0.14	0.15	0.14	0.15	76.71	0.012	0.039	5.12
Methyl Isobutyl Ketone	20-Jan-09	0.2	0.17	0.18	0.18	0.16	0.15	0.14	0.15	0.16	80.50	0.014	0.045	4.44
Methyl Tert Butyl Ether	6-Jan-09	0.1	0.09	0.10	0.11	0.10	0.10	0.09	0.09	0.10	98.92	0.007	0.022	4.51
Methylmethacrylate	6-Jan-09	0.1	0.07	0.06	0.08	0.06	0.06	0.06	0.06	0.06	64.63	0.006	0.020	5.11
Nonane	6-Jan-09	0.1	0.10	0.10	0.11	0.09	0.09	0.08	0.10	0.10	96.16	0.008	0.027	3.77
Octane	6-Jan-09	0.1	0.11	0.11	0.12	0.09	0.10	0.10	0.11	0.11	105.49	0.007	0.023	4.37
Pentane	8-Jan-09	0.1	0.16	0.18	0.17	0.16	0.16	0.18	0.18	0.17	170.33	0.009	0.028	3.58
Propylene	8-Jan-09	0.2	0.26	0.31	0.29	0.31	0.31	0.32	0.30	0.30	150.29	0.020	0.061	3.26
Styrene	20-Jan-09	0.1	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.08	80.19	0.006	0.018	5.43
1,1,1-Trichloroethane	8-Jan-09	0.1	0.13	0.13	0.13	0.13	0.13	0.15	0.14	0.13	134.31	0.008	0.025	4.07
1,1,2,2-Tetrachloroethane	8-Jan-09	0.1	0.11	0.12	0.11	0.10	0.11	0.12	0.11	0.11	110.60	0.007	0.023	4.41
1,1,2-Trichloroethane	8-Jan-09	0.1	0.11	0.12	0.11	0.11	0.11	0.13	0.12	0.11	113.67	0.007	0.021	4.72
1,2,4-Trichlorobenzene	20-Jan-09	0.2	0.10	0.12	0.14	0.10	0.09	0.09	0.08	0.10	50.11	0.021	0.065	3.06
1,2,4-Trimethylbenzene	20-Jan-09	0.1	0.08	0.07	0.07	0.08	0.08	0.07	0.06	0.07	73.25	0.007	0.021	4.66
1,3,5-Trimethylbenzene	20-Jan-09	0.1	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.09	87.93	0.008	0.026	3.92
2,2,4-Trimethylpentane	20-Jan-09	0.1	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.12	121.11	0.006	0.020	4.94
Tertiary Butyl Alcohol	20-Jan-09	0.1	0.11	0.10	0.10	0.11	0.11	0.11	0.09	0.11	105.48	0.007	0.023	4.36
Tetrachloroethylene	6-Jan-09	0.1	0.09	0.10	0.11	0.09	0.10	0.09	0.10	0.10	98.59	0.007	0.021	4.80
Tetrahydrofuran	8-Jan-09	0.2	0.20	0.22	0.20	0.20	0.20	0.19	0.19	0.20	99.85	0.010	0.032	6.29
Toluene	20-Jan-09	0.1	0.12	0.11	0.11	0.12	0.11	0.11	0.10	0.11	110.60	0.006	0.018	5.62
Trichloroethylene	8-Jan-09	0.1	0.12	0.13	0.12	0.12	0.12	0.13	0.12	0.13	125.45	0.006	0.019	5.42
Trichlorofluoromethane	6-Jan-09	0.1	0.13	0.13	0.14	0.13	0.13	0.14	0.14	0.13	133.51	0.007	0.021	4.71
Vinyl chloride	8-Jan-09	0.1	0.14	0.13	0.14	0.13	0.13	0.15	0.14	0.14	137.70	0.007	0.023	4.35
Vinyl Acetate	20-Jan-09	0.2	0.15	0.16	0.18	0.16	0.13	0.16	0.15	0.15	77.08	0.015	0.046	4.38
m,p-Xylene	6-Jan-09	0.2	0.15	0.16	0.17	0.15	0.14	0.13	0.14	0.15	74.69	0.014	0.045	4.42
o-Xylene	6-Jan-09	0.1	0.07	0.08	0.08	0.07	0.08	0.07	0.07	0.07	74.43	0.007	0.023	4.27

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

Method: TO-15 (VTO14/15)
Instrument(s): GCMS2W, GCMS3W, GCMSW
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: January,2009

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
TVHC As Equiv Pentane	7-Jan-09	0.2	0.30	0.32	0.36	0.33	0.28	0.33	0.33	0.32	160.72	0.027	0.085	2.37
TVHC As Equiv Heptane	20-Jan-09	0.2	0.23	0.23	0.22	0.23	0.22	0.24	0.22	0.23	114.19	0.009	0.029	6.96

Detection limits derived using the method described in 40 CFR Part 136, Appendix B

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1083-MB	W26163.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1083-MB	W26163.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1083-MB	W26163.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:**

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1084-MB	W26185.D	1	05/06/10	YMH	n/a	n/a	VW1084

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-9, JA45152-10

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-MB	2W26730.D	1	04/13/10	YXC	n/a	n/a	V2W1124

The QC reported here applies to the following samples: **Method:** TO-15

V2W1124-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-MB	2W26730.D	1	04/13/10	YXC	n/a	n/a	V2W1124

The QC reported here applies to the following samples: **Method:** TO-15

V2W1124-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-MB	3W16260.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here applies to the following samples: **Method:** TO-15

V3W649-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-MB	3W16260.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here applies to the following samples: **Method:** TO-15

V3W649-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-MB	3W16260.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here applies to the following samples: **Method:**

V3W649-SCC

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-MB	3W16335.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-MB	3W16335.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-MB	W25965.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here applies to the following samples: **Method:** TO-15

VW1076-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-MB	W25965.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here applies to the following samples: **Method:** TO-15

VW1076-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-MB	W25993.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-MB	W25993.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-MB	W26020.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-MB	W26020.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1083-BS	W26161.D	1	05/05/10	YMH	n/a	n/a	VW1083
VW1083-BSD	W26162.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	9.1	91	8.9	89	2	70-130/30
106-99-0	1,3-Butadiene	10	8.5	85	8.6	86	1	70-130/30
71-43-2	Benzene	10	8.3	83	8.9	89	7	70-130/30
75-27-4	Bromodichloromethane	10	8.3	83	8.8	88	6	70-130/30
75-25-2	Bromoform	10	9.6	96	10.1	101	5	70-130/30
74-83-9	Bromomethane	10	9.0	90	9.1	91	1	70-130/30
593-60-2	Bromoethene	10	9.0	90	9.1	91	1	70-130/30
100-44-7	Benzyl Chloride	10	12.1	121	12.5	125	3	70-130/30
75-15-0	Carbon disulfide	10	8.6	86	8.8	88	2	70-130/30
108-90-7	Chlorobenzene	10	8.8	88	9.4	94	7	70-130/30
75-00-3	Chloroethane	10	8.8	88	9.0	90	2	70-130/30
67-66-3	Chloroform	10	8.6	86	8.8	88	2	70-130/30
74-87-3	Chloromethane	10	8.2	82	8.5	85	4	70-130/30
107-05-1	3-Chloropropene	10	9.0	90	9.3	93	3	70-130/30
95-49-8	2-Chlorotoluene	10	9.5	95	10	100	5	70-130/30
56-23-5	Carbon tetrachloride	10	8.6	86	8.7	87	1	70-130/30
110-82-7	Cyclohexane	10	8.3	83	8.8	88	6	70-130/30
75-34-3	1,1-Dichloroethane	10	8.5	85	8.8	88	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.9	89	8.9	89	0	70-130/30
106-93-4	1,2-Dibromoethane	10	9.4	94	9.9	99	5	70-130/30
107-06-2	1,2-Dichloroethane	10	8.6	86	8.9	89	3	70-130/30
78-87-5	1,2-Dichloropropane	10	8.1	81	8.5	85	5	70-130/30
123-91-1	1,4-Dioxane	10	8.2	82	8.1	81	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	8.2	82	8.3	83	1	70-130/30
124-48-1	Dibromochloromethane	10	8.9	89	9.5	95	7	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.9	89	9.1	91	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	9.1	91	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	8.5	85	9.0	90	6	70-130/30
541-73-1	m-Dichlorobenzene	10	11.1	111	11.7	117	5	70-130/30
95-50-1	o-Dichlorobenzene	10	10.4	104	10.9	109	5	70-130/30
106-46-7	p-Dichlorobenzene	10	11.6	116	12.0	120	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	8.9	89	9.3	93	4	70-130/30
64-17-5	Ethanol	10	8.0	80	8.0	80	0	70-130/30
100-41-4	Ethylbenzene	10	9.0	90	9.4	94	4	70-130/30
141-78-6	Ethyl Acetate	10	9.2	92	8.8	88	4	70-130/30
622-96-8	4-Ethyltoluene	10	10.6	106	10.9	109	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1083-BS	W26161.D	1	05/05/10	YMH	n/a	n/a	VW1083
VW1083-BSD	W26162.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.9	89	9.0	90	1	70-130/30
76-14-2	Freon 114	10	8.5	85	8.7	87	2	70-130/30
142-82-5	Heptane	10	7.5	75	8.1	81	8	70-130/30
87-68-3	Hexachlorobutadiene	10	8.0	80	9.3	93	15	70-130/30
110-54-3	Hexane	10	8.4	84	8.5	85	1	70-130/30
591-78-6	2-Hexanone	10	9.3	93	9.4	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10	8.8	88	8.6	86	2	70-130/30
75-09-2	Methylene chloride	10	8.6	86	8.8	88	2	70-130/30
78-93-3	Methyl ethyl ketone	10	9.9	99	9.4	94	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	8.6	86	8.5	85	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	8.6	86	3	70-130/30
115-07-1	Propylene	10	7.9	79	8.0	80	1	70-130/30
100-42-5	Styrene	10	10.3	103	10.9	109	6	70-130/30
71-55-6	1,1,1-Trichloroethane	10	8.3	83	8.6	86	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.2	92	9.6	96	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10	8.8	88	9.1	91	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.1	101	11.0	110	9	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.3	103	10.4	104	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.7	97	10	100	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	7.9	79	8.6	86	8	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.0	90	8.6	86	5	70-130/30
127-18-4	Tetrachloroethylene	10	8.7	87	9.3	93	7	70-130/30
109-99-9	Tetrahydrofuran	10	9.9	99	9.4	94	5	70-130/30
108-88-3	Toluene	10	8.6	86	9.1	91	6	70-130/30
79-01-6	Trichloroethylene	10	8.2	82	8.7	87	6	70-130/30
75-69-4	Trichlorofluoromethane	10	8.4	84	8.5	85	1	70-130/30
75-01-4	Vinyl chloride	10	8.3	83	8.5	85	2	70-130/30
108-05-4	Vinyl Acetate	10	10.7	107	10.6	106	1	70-130/30
	m,p-Xylene	20	18.5	93	19.4	97	5	70-130/30
95-47-6	o-Xylene	10	9.1	91	9.6	96	5	70-130/30
1330-20-7	Xylenes (total)	30	27.6	92	29.0	97	5	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	106%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1084-BS	W26183.D	1	05/06/10	YMH	n/a	n/a	VW1084
VW1084-BSD	W26184.D	1	05/06/10	YMH	n/a	n/a	VW1084

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-9, JA45152-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	9.5	95	9.8	98	3	70-130/30
64-17-5	Ethanol	10	8.9	89	9.2	92	3	70-130/30
108-88-3	Toluene	10	8.5	85	8.8	88	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	113%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-BS	2W26728.D	1	04/13/10	YXC	n/a	n/a	V2W1124
V2W1124-BSD	2W26729.D	1	04/13/10	YXC	n/a	n/a	V2W1124

The QC reported here applies to the following samples: **Method:** TO-15

V2W1124-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.8	88	10.2	102	15	70-130/30
106-99-0	1,3-Butadiene	10	10.2	102	10.7	107	5	70-130/30
71-43-2	Benzene	10	9.2	92	9.6	96	4	70-130/30
75-27-4	Bromodichloromethane	10	10.0	100	10.6	106	6	70-130/30
75-25-2	Bromoform	10	11.9	119	13.1	131* [a]	10	70-130/30
74-83-9	Bromomethane	10	11.0	110	11.8	118	7	70-130/30
593-60-2	Bromoethene	10	12.0	120	12.8	128	6	70-130/30
100-44-7	Benzyl Chloride	10	9.8	98	11.3	113	14	70-130/30
75-15-0	Carbon disulfide	10	9.3	93	10.2	102	9	70-130/30
108-90-7	Chlorobenzene	10	9.1	91	10.5	105	14	70-130/30
75-00-3	Chloroethane	10	10.5	105	11.3	113	7	70-130/30
67-66-3	Chloroform	10	10.3	103	10.9	109	6	70-130/30
74-87-3	Chloromethane	10	10.6	106	11.0	110	4	70-130/30
107-05-1	3-Chloropropene	10	10	100	10.6	106	6	70-130/30
95-49-8	2-Chlorotoluene	10	8.9	89	10.1	101	13	70-130/30
56-23-5	Carbon tetrachloride	10	11.3	113	11.8	118	4	70-130/30
110-82-7	Cyclohexane	10	9.2	92	9.9	99	7	70-130/30
75-34-3	1,1-Dichloroethane	10	9.3	93	9.8	98	5	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.6	96	10.5	105	9	70-130/30
106-93-4	1,2-Dibromoethane	10	9.9	99	11.2	112	12	70-130/30
107-06-2	1,2-Dichloroethane	10	11.3	113	11.6	116	3	70-130/30
78-87-5	1,2-Dichloropropane	10	9.2	92	9.7	97	5	70-130/30
123-91-1	1,4-Dioxane	10	8.3	83	9.7	97	16	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.8	108	11.6	116	7	70-130/30
124-48-1	Dibromochloromethane	10	10.2	102	11.6	116	13	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.5	105	11.1	111	6	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	9.6	96	9	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.4	104	11.0	110	6	70-130/30
541-73-1	m-Dichlorobenzene	10	10.5	105	12.1	121	14	70-130/30
95-50-1	o-Dichlorobenzene	10	9.5	95	10.9	109	14	70-130/30
106-46-7	p-Dichlorobenzene	10	9.4	94	10.8	108	14	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.9	119	12.4	124	4	70-130/30
64-17-5	Ethanol	10	9.9	99	10.7	107	8	70-130/30
100-41-4	Ethylbenzene	10	9.1	91	10.3	103	12	70-130/30
141-78-6	Ethyl Acetate	10	10.8	108	12.0	120	11	70-130/30
622-96-8	4-Ethyltoluene	10	10.2	102	11.7	117	14	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-BS	2W26728.D	1	04/13/10	YXC	n/a	n/a	V2W1124
V2W1124-BSD	2W26729.D	1	04/13/10	YXC	n/a	n/a	V2W1124

The QC reported here applies to the following samples: **Method:** TO-15

V2W1124-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.2	102	11.1	111	8	70-130/30
76-14-2	Freon 114	10	11.2	112	11.6	116	4	70-130/30
142-82-5	Heptane	10	8.8	88	9.3	93	6	70-130/30
87-68-3	Hexachlorobutadiene	10	12.6	126	13.9	139* [a]	10	70-130/30
110-54-3	Hexane	10	8.8	88	9.3	93	6	70-130/30
591-78-6	2-Hexanone	10	9.7	97	11.7	117	19	70-130/30
67-63-0	Isopropyl Alcohol	10	10.4	104	11.8	118	13	70-130/30
75-09-2	Methylene chloride	10	9.2	92	9.9	99	7	70-130/30
78-93-3	Methyl ethyl ketone	10	8.9	89	10.2	102	14	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.9	109	12.3	123	12	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.6	96	10.4	104	8	70-130/30
115-07-1	Propylene	10	10.2	102	10.7	107	5	70-130/30
100-42-5	Styrene	10	10.5	105	11.8	118	12	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.1	101	10.6	106	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.2	92	10.7	107	15	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.2	102	10.9	109	7	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.0	100	11.5	115	14	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.4	94	10.8	108	14	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.5	95	10.8	108	13	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.6	86	9.2	92	7	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.6	106	12.4	124	16	70-130/30
127-18-4	Tetrachloroethylene	10	8.2	82	9.5	95	15	70-130/30
109-99-9	Tetrahydrofuran	10	9.8	98	10.3	103	5	70-130/30
108-88-3	Toluene	10	9.5	95	10.1	101	6	70-130/30
79-01-6	Trichloroethylene	10	9.0	90	9.6	96	6	70-130/30
75-69-4	Trichlorofluoromethane	10	11.8	118	12.5	125	6	70-130/30
75-01-4	Vinyl chloride	10	11.6	116	12.3	123	6	70-130/30
108-05-4	Vinyl Acetate	10	10	100	10.2	102	2	70-130/30
	m,p-Xylene	20	16.8	84	19.2	96	13	70-130/30
95-47-6	o-Xylene	10	8.1	81	9.1	91	12	70-130/30
1330-20-7	Xylenes (total)	30	25.0	83	28.3	94	12	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-BS	2W26728.D	1	04/13/10	YXC	n/a	n/a	V2W1124
V2W1124-BSD	2W26729.D	1	04/13/10	YXC	n/a	n/a	V2W1124

The QC reported here applies to the following samples: **Method:** TO-15

V2W1124-SCC

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-BS	3W16258.D	1	04/14/10	YMH	n/a	n/a	V3W649
V3W649-BSD	3W16259.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here applies to the following samples: **Method:** TO-15

V3W649-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.3	83	8.6	86	4	70-130/30
106-99-0	1,3-Butadiene	10	10	100	10.4	104	4	70-130/30
71-43-2	Benzene	10	9.7	97	9.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10	10.2	102	10.4	104	2	70-130/30
75-25-2	Bromoform	10	10.6	106	11.1	111	5	70-130/30
74-83-9	Bromomethane	10	9.5	95	9.9	99	4	70-130/30
593-60-2	Bromoethene	10	9.8	98	10.0	100	2	70-130/30
100-44-7	Benzyl Chloride	10	10.6	106	11.1	111	5	70-130/30
75-15-0	Carbon disulfide	10	9.1	91	9.5	95	4	70-130/30
108-90-7	Chlorobenzene	10	9.3	93	9.6	96	3	70-130/30
75-00-3	Chloroethane	10	9.5	95	9.8	98	3	70-130/30
67-66-3	Chloroform	10	9.8	98	9.9	99	1	70-130/30
74-87-3	Chloromethane	10	9.3	93	9.7	97	4	70-130/30
107-05-1	3-Chloropropene	10	9.6	96	9.9	99	3	70-130/30
95-49-8	2-Chlorotoluene	10	10.3	103	10.8	108	5	70-130/30
56-23-5	Carbon tetrachloride	10	9.4	94	9.5	95	1	70-130/30
110-82-7	Cyclohexane	10	10	100	10.1	101	1	70-130/30
75-34-3	1,1-Dichloroethane	10	9.7	97	9.8	98	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.2	92	9.5	95	3	70-130/30
106-93-4	1,2-Dibromoethane	10	10.1	101	10.5	105	4	70-130/30
107-06-2	1,2-Dichloroethane	10	9.8	98	9.9	99	1	70-130/30
78-87-5	1,2-Dichloropropane	10	9.4	94	9.5	95	1	70-130/30
123-91-1	1,4-Dioxane	10	9.2	92	9.5	95	3	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.5	95	9.6	96	1	70-130/30
124-48-1	Dibromochloromethane	10	10.3	103	10.5	105	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.8	98	9.8	98	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.3	103	10.4	104	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.8	108	11.0	110	2	70-130/30
541-73-1	m-Dichlorobenzene	10	10.1	101	10.5	105	4	70-130/30
95-50-1	o-Dichlorobenzene	10	9.8	98	10.4	104	6	70-130/30
106-46-7	p-Dichlorobenzene	10	9.8	98	10.4	104	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.9	109	10.9	109	0	70-130/30
64-17-5	Ethanol	10	8.1	81	8.5	85	5	70-130/30
100-41-4	Ethylbenzene	10	9.8	98	10.2	102	4	70-130/30
141-78-6	Ethyl Acetate	10	9.8	98	9.9	99	1	70-130/30
622-96-8	4-Ethyltoluene	10	10.6	106	11.0	110	4	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-BS	3W16258.D	1	04/14/10	YMH	n/a	n/a	V3W649
V3W649-BSD	3W16259.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here applies to the following samples: **Method:** TO-15

V3W649-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.2	92	9.4	94	2	70-130/30
76-14-2	Freon 114	10	9.3	93	9.4	94	1	70-130/30
142-82-5	Heptane	10	10.3	103	10.4	104	1	70-130/30
87-68-3	Hexachlorobutadiene	10	10.6	106	11.1	111	5	70-130/30
110-54-3	Hexane	10	10.3	103	10.4	104	1	70-130/30
591-78-6	2-Hexanone	10	10.8	108	10.9	109	1	70-130/30
67-63-0	Isopropyl Alcohol	10	8.7	87	9.0	90	3	70-130/30
75-09-2	Methylene chloride	10	9.0	90	9.2	92	2	70-130/30
78-93-3	Methyl ethyl ketone	10	10.5	105	10.6	106	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.8	118	11.9	119	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.6	96	9.7	97	1	70-130/30
115-07-1	Propylene	10	10.1	101	10.2	102	1	70-130/30
100-42-5	Styrene	10	10.5	105	10.9	109	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.7	97	9.8	98	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.3	103	10.8	108	5	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.5	105	10.6	106	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.4	114	12.3	123	8	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.8	108	11.2	112	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.4	104	10.8	108	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.0	100	10.1	101	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.7	97	10.1	101	4	70-130/30
127-18-4	Tetrachloroethylene	10	8.9	89	9.2	92	3	70-130/30
109-99-9	Tetrahydrofuran	10	10.5	105	10.5	105	0	70-130/30
108-88-3	Toluene	10	9.6	96	9.7	97	1	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.7	97	1	70-130/30
75-69-4	Trichlorofluoromethane	10	9.3	93	9.4	94	1	70-130/30
75-01-4	Vinyl chloride	10	9.4	94	9.7	97	3	70-130/30
108-05-4	Vinyl Acetate	10	10.9	109	11.0	110	1	70-130/30
	m,p-Xylene	20	19.8	99	20.5	103	3	70-130/30
95-47-6	o-Xylene	10	10	100	10.3	103	3	70-130/30
1330-20-7	Xylenes (total)	30	29.7	99	30.8	103	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	103%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-BS	3W16333.D	1	04/19/10	YMH	n/a	n/a	V3W652
V3W652-BSD	3W16334.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.9	89	9.1	91	2	70-130/30
106-99-0	1,3-Butadiene	10	10.6	106	10.3	103	3	70-130/30
71-43-2	Benzene	10	9.2	92	9.0	90	2	70-130/30
75-27-4	Bromodichloromethane	10	10.3	103	9.9	99	4	70-130/30
75-25-2	Bromoform	10	10.7	107	10.6	106	1	70-130/30
74-83-9	Bromomethane	10	9.7	97	9.3	93	4	70-130/30
593-60-2	Bromoethene	10	9.8	98	9.5	95	3	70-130/30
100-44-7	Benzyl Chloride	10	10.7	107	10.9	109	2	70-130/30
75-15-0	Carbon disulfide	10	9.3	93	8.8	88	6	70-130/30
108-90-7	Chlorobenzene	10	9.0	90	9.0	90	0	70-130/30
75-00-3	Chloroethane	10	9.7	97	9.6	96	1	70-130/30
67-66-3	Chloroform	10	9.6	96	9.3	93	3	70-130/30
74-87-3	Chloromethane	10	10.1	101	9.4	94	7	70-130/30
107-05-1	3-Chloropropene	10	9.7	97	9.4	94	3	70-130/30
95-49-8	2-Chlorotoluene	10	10.1	101	10.3	103	2	70-130/30
56-23-5	Carbon tetrachloride	10	9.5	95	9.4	94	1	70-130/30
110-82-7	Cyclohexane	10	9.7	97	9.4	94	3	70-130/30
75-34-3	1,1-Dichloroethane	10	9.3	93	9.2	92	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.2	92	9.0	90	2	70-130/30
106-93-4	1,2-Dibromoethane	10	10	100	9.7	97	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10	100	9.8	98	2	70-130/30
78-87-5	1,2-Dichloropropane	10	9.0	90	9.0	90	0	70-130/30
123-91-1	1,4-Dioxane	10	8.6	86	8.6	86	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.9	99	9.3	93	6	70-130/30
124-48-1	Dibromochloromethane	10	10.1	101	9.8	98	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.2	92	9.1	91	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.7	97	9.6	96	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.7	107	10.5	105	2	70-130/30
541-73-1	m-Dichlorobenzene	10	10.1	101	10.2	102	1	70-130/30
95-50-1	o-Dichlorobenzene	10	10.0	100	10.2	102	2	70-130/30
106-46-7	p-Dichlorobenzene	10	9.9	99	10.1	101	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.8	108	10.7	107	1	70-130/30
64-17-5	Ethanol	10	8.6	86	8.6	86	0	70-130/30
100-41-4	Ethylbenzene	10	9.6	96	9.7	97	1	70-130/30
141-78-6	Ethyl Acetate	10	9.1	91	9.5	95	4	70-130/30
622-96-8	4-Ethyltoluene	10	10.4	104	10.7	107	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-BS	3W16333.D	1	04/19/10	YMH	n/a	n/a	V3W652
V3W652-BSD	3W16334.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here applies to the following samples: **Method:** TO-15

V3W652-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	9.3	93	0	70-130/30
76-14-2	Freon 114	10	9.4	94	9.1	91	3	70-130/30
142-82-5	Heptane	10	10.6	106	10.1	101	5	70-130/30
87-68-3	Hexachlorobutadiene	10	10.5	105	10.5	105	0	70-130/30
110-54-3	Hexane	10	9.9	99	9.7	97	2	70-130/30
591-78-6	2-Hexanone	10	10.5	105	10	100	5	70-130/30
67-63-0	Isopropyl Alcohol	10	9.3	93	9.1	91	2	70-130/30
75-09-2	Methylene chloride	10	9.0	90	8.8	88	2	70-130/30
78-93-3	Methyl ethyl ketone	10	9.6	96	10.1	101	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.7	117	11.5	115	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.2	92	9.7	97	5	70-130/30
115-07-1	Propylene	10	11.6	116	10.9	109	6	70-130/30
100-42-5	Styrene	10	10.2	102	10.3	103	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.7	97	9.5	95	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.1	101	10.2	102	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.2	102	10.1	101	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	12.2	122	11.4	114	7	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.7	107	11.1	111	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.2	102	10.6	106	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.8	98	9.5	95	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.3	103	9.9	99	4	70-130/30
127-18-4	Tetrachloroethylene	10	8.8	88	8.5	85	3	70-130/30
109-99-9	Tetrahydrofuran	10	9.5	95	10.1	101	6	70-130/30
108-88-3	Toluene	10	9.3	93	9.3	93	0	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.1	91	4	70-130/30
75-69-4	Trichlorofluoromethane	10	9.7	97	9.4	94	3	70-130/30
75-01-4	Vinyl chloride	10	9.8	98	9.3	93	5	70-130/30
108-05-4	Vinyl Acetate	10	9.9	99	10.5	105	6	70-130/30
	m,p-Xylene	20	19.1	96	19.5	98	2	70-130/30
95-47-6	o-Xylene	10	9.7	97	9.9	99	2	70-130/30
1330-20-7	Xylenes (total)	30	28.8	96	29.4	98	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	104%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-BS	W25963.D	1	04/19/10	YMH	n/a	n/a	VW1076
VW1076-BSD	W25964.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here applies to the following samples: **Method:** TO-15

VW1076-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.3	103	10.1	101	2	70-130/30
106-99-0	1,3-Butadiene	10	11.2	112	9.6	96	15	70-130/30
71-43-2	Benzene	10	10.6	106	10.2	102	4	70-130/30
75-27-4	Bromodichloromethane	10	10.5	105	9.8	98	7	70-130/30
75-25-2	Bromoform	10	9.2	92	9.0	90	2	70-130/30
74-83-9	Bromomethane	10	10.5	105	9.2	92	13	70-130/30
593-60-2	Bromoethene	10	10.3	103	9.4	94	9	70-130/30
100-44-7	Benzyl Chloride	10	11.5	115	11.2	112	3	70-130/30
75-15-0	Carbon disulfide	10	10.5	105	9.5	95	10	70-130/30
108-90-7	Chlorobenzene	10	9.5	95	9.3	93	2	70-130/30
75-00-3	Chloroethane	10	11.5	115	10.5	105	9	70-130/30
67-66-3	Chloroform	10	9.7	97	9.3	93	4	70-130/30
74-87-3	Chloromethane	10	11.4	114	10.4	104	9	70-130/30
107-05-1	3-Chloropropene	10	10.8	108	10.1	101	7	70-130/30
95-49-8	2-Chlorotoluene	10	10.1	101	10	100	1	70-130/30
56-23-5	Carbon tetrachloride	10	9.5	95	9.1	91	4	70-130/30
110-82-7	Cyclohexane	10	9.9	99	9.3	93	6	70-130/30
75-34-3	1,1-Dichloroethane	10	10.3	103	9.8	98	5	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.0	100	9.2	92	8	70-130/30
106-93-4	1,2-Dibromoethane	10	9.8	98	9.7	97	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.1	101	9.8	98	3	70-130/30
78-87-5	1,2-Dichloropropane	10	10.8	108	10.3	103	5	70-130/30
123-91-1	1,4-Dioxane	10	9.6	96	8.9	89	8	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.7	97	8.8	88	10	70-130/30
124-48-1	Dibromochloromethane	10	9.6	96	9.3	93	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.8	98	9.2	92	6	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.5	95	9.1	91	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.8	108	10.2	102	6	70-130/30
541-73-1	m-Dichlorobenzene	10	10.4	104	10.8	108	4	70-130/30
95-50-1	o-Dichlorobenzene	10	10.7	107	10.2	102	5	70-130/30
106-46-7	p-Dichlorobenzene	10	10.4	104	11.0	110	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.7	107	10.2	102	5	70-130/30
64-17-5	Ethanol	10	10.2	102	9.6	96	6	70-130/30
100-41-4	Ethylbenzene	10	9.9	99	9.7	97	2	70-130/30
141-78-6	Ethyl Acetate	10	10.2	102	9.5	95	7	70-130/30
622-96-8	4-Ethyltoluene	10	10.5	105	10.5	105	0	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-BS	W25963.D	1	04/19/10	YMH	n/a	n/a	VW1076
VW1076-BSD	W25964.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here applies to the following samples: **Method:** TO-15

VW1076-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.4	94	8.6	86	9	70-130/30
76-14-2	Freon 114	10	9.9	99	9.0	90	10	70-130/30
142-82-5	Heptane	10	10.7	107	10.1	101	6	70-130/30
87-68-3	Hexachlorobutadiene	10	7.8	78	8.6	86	10	70-130/30
110-54-3	Hexane	10	10.5	105	10.0	100	5	70-130/30
591-78-6	2-Hexanone	10	10.2	102	9.9	99	3	70-130/30
67-63-0	Isopropyl Alcohol	10	10.5	105	10.1	101	4	70-130/30
75-09-2	Methylene chloride	10	10.3	103	9.6	96	7	70-130/30
78-93-3	Methyl ethyl ketone	10	9.6	96	9.3	93	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.7	107	9.9	99	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	8.8	88	1	70-130/30
115-07-1	Propylene	10	11.7	117	10.6	106	10	70-130/30
100-42-5	Styrene	10	10.3	103	10.1	101	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.5	95	9.1	91	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.1	101	10.0	100	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.7	107	10.1	101	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83	9.6	96	15	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.3	103	10.8	108	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.9	99	9.8	98	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.4	114	10.8	108	5	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.2	92	8.3	83	10	70-130/30
127-18-4	Tetrachloroethylene	10	9.1	91	8.8	88	3	70-130/30
109-99-9	Tetrahydrofuran	10	9.5	95	9.2	92	3	70-130/30
108-88-3	Toluene	10	10.4	104	9.9	99	5	70-130/30
79-01-6	Trichloroethylene	10	10.4	104	9.8	98	6	70-130/30
75-69-4	Trichlorofluoromethane	10	10.1	101	9.2	92	9	70-130/30
75-01-4	Vinyl chloride	10	11.2	112	9.1	91	21	70-130/30
108-05-4	Vinyl Acetate	10	9.9	99	9.7	97	2	70-130/30
	m,p-Xylene	20	19.8	99	19.4	97	2	70-130/30
95-47-6	o-Xylene	10	10	100	9.8	98	2	70-130/30
1330-20-7	Xylenes (total)	30	29.7	99	29.2	97	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	105%	103%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-BS	W25991.D	1	04/20/10	YMH	n/a	n/a	VW1077
VW1077-BSD	W25992.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	11.0	110	9.4	94	16	70-130/30
106-99-0	1,3-Butadiene	10	11.3	113	10.4	104	8	70-130/30
71-43-2	Benzene	10	11.7	117	10.0	100	16	70-130/30
75-27-4	Bromodichloromethane	10	11.2	112	9.8	98	13	70-130/30
75-25-2	Bromoform	10	9.6	96	8.3	83	15	70-130/30
74-83-9	Bromomethane	10	10.8	108	10.0	100	8	70-130/30
593-60-2	Bromoethene	10	10.8	108	9.9	99	9	70-130/30
100-44-7	Benzyl Chloride	10	12.7	127	11.1	111	13	70-130/30
75-15-0	Carbon disulfide	10	9.9	99	9.5	95	4	70-130/30
108-90-7	Chlorobenzene	10	10.1	101	8.8	88	14	70-130/30
75-00-3	Chloroethane	10	12.0	120	10.9	109	10	70-130/30
67-66-3	Chloroform	10	10.4	104	9.4	94	10	70-130/30
74-87-3	Chloromethane	10	12.5	125	11.6	116	7	70-130/30
107-05-1	3-Chloropropene	10	12.3	123	11.1	111	10	70-130/30
95-49-8	2-Chlorotoluene	10	10.7	107	8.9	89	18	70-130/30
56-23-5	Carbon tetrachloride	10	10.0	100	9.2	92	8	70-130/30
110-82-7	Cyclohexane	10	10.6	106	9.6	96	10	70-130/30
75-34-3	1,1-Dichloroethane	10	11.0	110	9.9	99	11	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.6	106	9.6	96	10	70-130/30
106-93-4	1,2-Dibromoethane	10	10.5	105	9.1	91	14	70-130/30
107-06-2	1,2-Dichloroethane	10	11.0	110	9.7	97	13	70-130/30
78-87-5	1,2-Dichloropropane	10	11.8	118	10.0	100	17	70-130/30
123-91-1	1,4-Dioxane	10	10.1	101	9.4	94	7	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	9.7	97	8	70-130/30
124-48-1	Dibromochloromethane	10	10.0	100	8.8	88	13	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.7	97	8.8	88	10	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10	100	9.0	90	11	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.1	111	9.4	94	17	70-130/30
541-73-1	m-Dichlorobenzene	10	11.4	114	9.6	96	17	70-130/30
95-50-1	o-Dichlorobenzene	10	11.1	111	9.2	92	19	70-130/30
106-46-7	p-Dichlorobenzene	10	11.6	116	9.6	96	19	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.8	128	10.7	107	18	70-130/30
64-17-5	Ethanol	10	10.7	107	9.9	99	8	70-130/30
100-41-4	Ethylbenzene	10	10.4	104	8.7	87	18	70-130/30
141-78-6	Ethyl Acetate	10	10.5	105	9.4	94	11	70-130/30
622-96-8	4-Ethyltoluene	10	11.4	114	9.5	95	18	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-BS	W25991.D	1	04/20/10	YMH	n/a	n/a	VW1077
VW1077-BSD	W25992.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here applies to the following samples: **Method:** TO-15

VW1077-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.6	96	8.9	89	8	70-130/30
76-14-2	Freon 114	10	9.5	95	8.8	88	8	70-130/30
142-82-5	Heptane	10	11.6	116	10.5	105	10	70-130/30
87-68-3	Hexachlorobutadiene	10	11.2	112	10.6	106	6	70-130/30
110-54-3	Hexane	10	11.2	112	10.3	103	8	70-130/30
591-78-6	2-Hexanone	10	11.0	110	10.4	104	6	70-130/30
67-63-0	Isopropyl Alcohol	10	11.2	112	10.6	106	6	70-130/30
75-09-2	Methylene chloride	10	10.9	109	10	100	9	70-130/30
78-93-3	Methyl ethyl ketone	10	10.1	101	9.3	93	8	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.8	108	7	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.3	93	8.2	82	13	70-130/30
115-07-1	Propylene	10	12.2	122	11.3	113	8	70-130/30
100-42-5	Styrene	10	10.8	108	8.9	89	19	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.0	100	9.0	90	11	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	9.2	92	18	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.3	113	9.6	96	16	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.8	108	11.8	118	9	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.4	114	9.7	97	16	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.7	107	9.0	90	17	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.9	129	11.5	115	11	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.9	109	10.5	105	4	70-130/30
127-18-4	Tetrachloroethylene	10	9.3	93	8.5	85	9	70-130/30
109-99-9	Tetrahydrofuran	10	9.9	99	8.8	88	12	70-130/30
108-88-3	Toluene	10	11.2	112	9.3	93	19	70-130/30
79-01-6	Trichloroethylene	10	11.2	112	9.9	99	12	70-130/30
75-69-4	Trichlorofluoromethane	10	10.8	108	9.9	99	9	70-130/30
75-01-4	Vinyl chloride	10	11.8	118	10.9	109	8	70-130/30
108-05-4	Vinyl Acetate	10	10.6	106	8.7	87	20	70-130/30
	m,p-Xylene	20	20.7	104	17.1	86	19	70-130/30
95-47-6	o-Xylene	10	10.5	105	8.5	85	21	70-130/30
1330-20-7	Xylenes (total)	30	31.2	104	25.6	85	20	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	103%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-BS	W26018.D	1	04/21/10	YMH	n/a	n/a	VW1078
VW1078-BSD	W26019.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.5	105	10.1	101	4	70-130/30
106-99-0	1,3-Butadiene	10	11.2	112	10.6	106	6	70-130/30
71-43-2	Benzene	10	11.3	113	10.8	108	5	70-130/30
75-27-4	Bromodichloromethane	10	11.4	114	10.9	109	4	70-130/30
75-25-2	Bromoform	10	8.8	88	8.4	84	5	70-130/30
74-83-9	Bromomethane	10	10.6	106	10.1	101	5	70-130/30
593-60-2	Bromoethene	10	10.7	107	10.3	103	4	70-130/30
100-44-7	Benzyl Chloride	10	10.6	106	10.1	101	5	70-130/30
75-15-0	Carbon disulfide	10	11.4	114	10.2	102	11	70-130/30
108-90-7	Chlorobenzene	10	9.4	94	9.1	91	3	70-130/30
75-00-3	Chloroethane	10	11.7	117	11.2	112	4	70-130/30
67-66-3	Chloroform	10	10.2	102	10.1	101	1	70-130/30
74-87-3	Chloromethane	10	12.1	121	11.5	115	5	70-130/30
107-05-1	3-Chloropropene	10	11.7	117	11.5	115	2	70-130/30
95-49-8	2-Chlorotoluene	10	9.6	96	9.1	91	5	70-130/30
56-23-5	Carbon tetrachloride	10	10.0	100	9.8	98	2	70-130/30
110-82-7	Cyclohexane	10	10.7	107	10.1	101	6	70-130/30
75-34-3	1,1-Dichloroethane	10	10.7	107	10.5	105	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.9	109	10.4	104	5	70-130/30
106-93-4	1,2-Dibromoethane	10	9.6	96	9.3	93	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10.6	106	10.4	104	2	70-130/30
78-87-5	1,2-Dichloropropane	10	11.4	114	10.9	109	4	70-130/30
123-91-1	1,4-Dioxane	10	10.1	101	9.3	93	8	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.5	105	10.0	100	5	70-130/30
124-48-1	Dibromochloromethane	10	9.5	95	9.2	92	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.0	100	9.7	97	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	9.4	94	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.2	112	10.5	105	6	70-130/30
541-73-1	m-Dichlorobenzene	10	9.8	98	9.4	94	4	70-130/30
95-50-1	o-Dichlorobenzene	10	9.4	94	9.0	90	4	70-130/30
106-46-7	p-Dichlorobenzene	10	9.8	98	9.3	93	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.0	110	10.3	103	7	70-130/30
64-17-5	Ethanol	10	9.9	99	9.3	93	6	70-130/30
100-41-4	Ethylbenzene	10	9.6	96	9.3	93	3	70-130/30
141-78-6	Ethyl Acetate	10	10.1	101	9.4	94	7	70-130/30
622-96-8	4-Ethyltoluene	10	10.1	101	9.5	95	6	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-BS	W26018.D	1	04/21/10	YMH	n/a	n/a	VW1078
VW1078-BSD	W26019.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here applies to the following samples: **Method:** TO-15

VW1078-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.1	101	9.4	94	7	70-130/30
76-14-2	Freon 114	10	10.6	106	10.0	100	6	70-130/30
142-82-5	Heptane	10	11.9	119	11.4	114	4	70-130/30
87-68-3	Hexachlorobutadiene	10	8.7	87	8.4	84	4	70-130/30
110-54-3	Hexane	10	11.0	110	10.7	107	3	70-130/30
591-78-6	2-Hexanone	10	10.8	108	10.1	101	7	70-130/30
67-63-0	Isopropyl Alcohol	10	11.1	111	10.5	105	6	70-130/30
75-09-2	Methylene chloride	10	11.2	112	10.8	108	4	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.2	92	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.6	116	10.7	107	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.8	88	8.5	85	3	70-130/30
115-07-1	Propylene	10	12.3	123	11.8	118	4	70-130/30
100-42-5	Styrene	10	9.8	98	9.4	94	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.9	99	9.7	97	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.2	102	9.6	96	6	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.0	110	10.4	104	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.2	92	9.1	91	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.1	101	9.4	94	7	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.6	96	8.9	89	8	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.7	127	12.1	121	5	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.1	111	10.6	106	5	70-130/30
127-18-4	Tetrachloroethylene	10	8.8	88	8.5	85	3	70-130/30
109-99-9	Tetrahydrofuran	10	9.2	92	8.9	89	3	70-130/30
108-88-3	Toluene	10	10.6	106	10	100	6	70-130/30
79-01-6	Trichloroethylene	10	11.3	113	10.8	108	5	70-130/30
75-69-4	Trichlorofluoromethane	10	11.2	112	10.7	107	5	70-130/30
75-01-4	Vinyl chloride	10	11.5	115	10.9	109	5	70-130/30
108-05-4	Vinyl Acetate	10	9.5	95	9.2	92	3	70-130/30
	m,p-Xylene	20	19.0	95	18.2	91	4	70-130/30
95-47-6	o-Xylene	10	9.6	96	9.1	91	5	70-130/30
1330-20-7	Xylenes (total)	30	28.6	95	27.3	91	5	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	65-128%

Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA44640-11DUP	W26169.D	1	05/05/10	YMH	n/a	n/a	VW1083
JA44640-11	W26168.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	JA44640-11 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	137		137		0	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	1.5		1.4		7	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	ND		ND		nc	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	2.1		2.1		0	20
75-35-4	1,1-Dichloroethylene	4.9		4.7		4	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.48	J	0.48	J	0	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	17.6		18.3		4	33
100-41-4	Ethylbenzene	4.0		3.9		3	15
141-78-6	Ethyl Acetate	ND		ND		nc	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA44640-11DUP	W26169.D	1	05/05/10	YMH	n/a	n/a	VW1083
JA44640-11	W26168.D	1	05/05/10	YMH	n/a	n/a	VW1083

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-1, JA45152-2, JA45152-3, JA45152-4, JA45152-5, JA45152-6, JA45152-7, JA45152-8, JA45152-9, JA45152-10

CAS No.	Compound	JA44640-11 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	16.4		15.7		4	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	0.86		0.76	J	12	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	1.0		1.0		0	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	3.7		3.2		14	26
75-09-2	Methylene chloride	0.92		0.90		2	26
78-93-3	Methyl ethyl ketone	2.9		2.9		0	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
115-07-1	Propylene	4.0		4.1		2	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	120		117		3	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	0.86		0.77	J	11	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	0.50	J	0.49	J	2	18
75-65-0	Tertiary Butyl Alcohol	1.3		1.3		0	21
127-18-4	Tetrachloroethylene	12.0		11.6		3	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	32.5		31.1		4	20
79-01-6	Trichloroethylene	0.38		0.38		0	13
75-69-4	Trichlorofluoromethane	17.8		17.5		2	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	11.2		10.8		4	26
95-47-6	o-Xylene	2.4		2.3		4	20
1330-20-7	Xylenes (total)	13.5		13.1		3	26

CAS No.	Surrogate Recoveries	DUP	JA44640-11	Limits
460-00-4	4-Bromofluorobenzene	97%	101%	65-128%

Duplicate Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA45093-2DUP	W26192.D	1.2	05/06/10	YMH	n/a	n/a	VW1084
JA45093-2	W26191.D	1.2	05/06/10	YMH	n/a	n/a	VW1084

The QC reported here applies to the following samples: **Method:** TO-15

JA45152-9, JA45152-10

CAS No.	Compound	JA45093-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	39.0		38.6		1	27
64-17-5	Ethanol	ND		ND		nc	33
108-88-3	Toluene	6.3		6.4		2	20

CAS No.	Surrogate Recoveries	DUP	JA45093-2	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-SCC	2W26753.D	1	04/14/10	YXC	n/a	n/a	V2W1124

The QC reported here (Summa A340) applies to the following samples: **Method:** TO-15

Batch CP4010 cleaned 04/12/10: JA45152-5(A340)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1124-SCC	2W26753.D	1	04/14/10	YXC	n/a	n/a	V2W1124

The QC reported here (Summa A340) applies to the following samples: **Method:** TO-15

Batch CP4010 cleaned 04/12/10: JA45152-5(A340)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-SCC	3W16260A.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here (Summa A262) applies to the following samples: **Method:** TO-15

Batch CP4012 cleaned 04/12/10: JA45152-7(A262)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W649-SCC	3W16260A.D	1	04/14/10	YMH	n/a	n/a	V3W649

The QC reported here (Summa A262) applies to the following samples: **Method:** TO-15

Batch CP4012 cleaned 04/12/10: JA45152-7(A262)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-SCC	3W16335A.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here (Summa A372) applies to the following samples: **Method:** TO-15

Batch CP4023 cleaned 04/15/10: JA45152-6(A372)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W652-SCC	3W16335A.D	1	04/19/10	YMH	n/a	n/a	V3W652

The QC reported here (Summa A372) applies to the following samples: **Method:** TO-15

Batch CP4023 cleaned 04/15/10: JA45152-6(A372)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-SCC	W25965A.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here (Summa A259) applies to the following samples: **Method:** TO-15

Batch CP4022 cleaned 04/15/10: JA45152-2(A259)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1076-SCC	W25965A.D	1	04/19/10	YMH	n/a	n/a	VW1076

The QC reported here (Summa A259) applies to the following samples: **Method:** TO-15

Batch CP4022 cleaned 04/15/10: JA45152-2(A259)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-SCC	W25993A.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here (Summa A148) applies to the following samples: **Method:** TO-15

Batch CP4027 cleaned 04/19/10: JA45152-1(A896), JA45152-3(A764), JA45152-4(A188), JA45152-8(A218), JA45152-10(A361)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1077-SCC	W25993A.D	1	04/20/10	YMH	n/a	n/a	VW1077

The QC reported here (Summa A148) applies to the following samples: **Method:** TO-15

Batch CP4027 cleaned 04/19/10: JA45152-1(A896), JA45152-3(A764), JA45152-4(A188), JA45152-8(A218), JA45152-10(A361)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-SCC	W26020A.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here (Summa A368) applies to the following samples: **Method:** TO-15

Batch CP4026 cleaned 04/19/10: JA45152-9(A368)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.039	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.036	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.021	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.028	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.022	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.024	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.033	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.034	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.040	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.047	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.031	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.022	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.022	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.061	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.032	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.044	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.021	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.036	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.029	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.063	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.024	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.034	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.019	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.016	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.077	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.019	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.051	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.043	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1078-SCC	W26020A.D	1	04/21/10	YMH	n/a	n/a	VW1078

The QC reported here (Summa A368) applies to the following samples: **Method:** TO-15

Batch CP4026 cleaned 04/19/10: JA45152-9(A368)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.022	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.022	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.026	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.043	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.019	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.030	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.035	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.039	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.022	ppbv		ND	0.72	ug/m3
115-07-1	Propylene	ND	0.50	0.061	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.018	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.025	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.065	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.021	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.020	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.023	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.021	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.032	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.018	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.021	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.023	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.046	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.045	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.023	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.023	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-BFB
Lab File ID: 2W26576.D
Instrument ID: GCMS2W
Injection Date: 04/05/10
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	8226	18.3		Pass
75	30.0 - 66.0% of mass 95	22266	49.6		Pass
95	Base peak, 100% relative abundance	44928	100.0		Pass
96	5.0 - 9.0% of mass 95	3456	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44544	99.1		Pass
175	4.0 - 9.01% of mass 174	3925	8.7	(8.8) [a]	Pass
176	93.0 - 101.0% of mass 174	42069	93.6	(94.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2756	6.1	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1118-IC1118	2W26577.D	04/05/10	11:11	01:27	Initial cal 5
V2W1118-IC1118	2W26578.D	04/05/10	11:54	02:10	Initial cal 0.5
V2W1118-ICC1118	2W26579.D	04/05/10	12:37	02:53	Initial cal 10
V2W1118-IC1118	2W26580.D	04/05/10	13:20	03:36	Initial cal 2
V2W1118-IC1118	2W26581.D	04/05/10	15:40	05:56	Initial cal 20
V2W1118-IC1118	2W26582.D	04/05/10	17:06	07:22	Initial cal 0.2
V2W1118-IC1118	2W26583.D	04/05/10	17:49	08:05	Initial cal 0.1
V2W1118-IC1118	2W26584.D	04/05/10	18:32	08:48	Initial cal 0.04
V2W1118-IC1118	2W26585.D	04/05/10	19:15	09:31	Initial cal 40
V2W1118-ICV1118	2W26586.D	04/05/10	20:41	10:57	Initial cal verification 10
V2W1118-IC1118	2W26587.D	04/05/10	22:06	12:22	Initial cal 0.2
V2W1118-IC1118	2W26588.D	04/05/10	22:49	13:05	Initial cal 0.5
V2W1118-IC1118	2W26589.D	04/05/10	23:32	13:48	Initial cal 5
V2W1118-IC1118	2W26590.D	04/06/10	00:16	14:32	Initial cal 10
V2W1118-IC1118	2W26591.D	04/06/10	00:59	15:15	Initial cal 20
V2W1118-IC1118	2W26592.D	04/06/10	01:42	15:58	Initial cal 40

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1124-BFB
Lab File ID: 2W26726.D
Instrument ID: GCMS2W
Injection Date: 04/13/10
Injection Time: 06:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	16240	24.3		Pass
75	30.0 - 66.0% of mass 95	43712	65.4		Pass
95	Base peak, 100% relative abundance	66805	100.0		Pass
96	5.0 - 9.0% of mass 95	4862	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	69554	104.1		Pass
175	4.0 - 9.01% of mass 174	4152	6.2	(6.0) [a]	Pass
176	93.0 - 101.0% of mass 174	67885	101.6	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4441	6.6	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1124-CC1118	2W26727.D	04/13/10	08:09	01:34	Continuing cal 10
V2W1124-BS	2W26728.D	04/13/10	10:23	03:48	Blank Spike
V2W1124-BSD	2W26729.D	04/13/10	11:07	04:32	Blank Spike Duplicate
V2W1124-MB	2W26730.D	04/13/10	12:33	05:58	Method Blank
V2W1124-SCC	2W26730A.D	04/13/10	12:33	05:58	Summa Cleaning Certification
ZZZZZZ	2W26731.D	04/13/10	14:06	07:31	(unrelated sample)
ZZZZZZ	2W26732.D	04/13/10	14:49	08:14	(unrelated sample)
ZZZZZZ	2W26733.D	04/13/10	15:32	08:57	(unrelated sample)
ZZZZZZ	2W26735.D	04/13/10	16:59	10:24	(unrelated sample)
JA43876-1	2W26736.D	04/13/10	17:42	11:07	(used for QC only; not part of job JA45152)
JA43876-1DUP	2W26737.D	04/13/10	18:25	11:50	Duplicate
ZZZZZZ	2W26738.D	04/13/10	19:51	13:16	(unrelated sample)
ZZZZZZ	2W26739.D	04/13/10	20:35	14:00	(unrelated sample)
ZZZZZZ	2W26740.D	04/13/10	21:18	14:43	(unrelated sample)
ZZZZZZ	2W26741.D	04/13/10	22:01	15:26	(unrelated sample)
ZZZZZZ	2W26742.D	04/13/10	22:44	16:09	(unrelated sample)
ZZZZZZ	2W26744.D	04/14/10	00:10	17:35	(unrelated sample)
ZZZZZZ	2W26749.D	04/14/10	03:44	21:09	(unrelated sample)
V2W1124-SCC	2W26753.D	04/14/10	05:52	23:17	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	V3W644-BFB	**Injection Date:**	04/06/10
Lab File ID:	3W16117.D	**Injection Time:**	15:52
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	7353	14.7		Pass
75	30.0 - 66.0% of mass 95	22794	45.6		Pass
95	Base peak, 100% relative abundance	49949	100.0		Pass
96	5.0 - 9.0% of mass 95	3550	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44213	88.5		Pass
175	4.0 - 9.01% of mass 174	3248	6.5	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	42880	85.8	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2863	5.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W644-ICC644	3W16118.D	04/06/10	16:31	00:39	Initial cal 10
V3W644-IC644	3W16121.D	04/06/10	19:05	03:13	Initial cal 0.2
V3W644-IC644	3W16122.D	04/06/10	19:45	03:53	Initial cal 20
V3W644-IC644	3W16123.D	04/06/10	20:23	04:31	Initial cal 5.0
V3W644-IC644	3W16124.D	04/06/10	21:02	05:10	Initial cal 0.5
V3W644-IC644	3W16125.D	04/06/10	21:41	05:49	Initial cal 0.1
V3W644-IC644	3W16126.D	04/06/10	22:20	06:28	Initial cal 0.04
V3W644-IC644	3W16127.D	04/06/10	23:36	07:44	Initial cal 5.0
V3W644-IC644	3W16128.D	04/07/10	00:14	08:22	Initial cal 10
V3W644-IC644	3W16129.D	04/07/10	00:54	09:02	Initial cal 40
V3W644-IC644	3W16130.D	04/07/10	01:33	09:41	Initial cal 0.5
V3W644-IC644	3W16131.D	04/07/10	02:11	10:19	Initial cal 0.2
V3W644-IC644	3W16132.D	04/07/10	03:28	11:36	Initial cal 20
V3W644-IC644	3W16133.D	04/07/10	04:08	12:16	Initial cal 40

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	V3W649-BFB	**Injection Date:**	04/14/10
Lab File ID:	3W16255.D	**Injection Time:**	06:23
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6988	17.5		Pass
75	30.0 - 66.0% of mass 95	19157	47.9		Pass
95	Base peak, 100% relative abundance	39954	100.0		Pass
96	5.0 - 9.0% of mass 95	2844	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	31330	78.4		Pass
175	4.0 - 9.01% of mass 174	2302	5.8	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	30528	76.4	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	1956	4.9	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W649-CC644	3W16257.D	04/14/10	10:15	03:52	Continuing cal 10
V3W649-BS	3W16258.D	04/14/10	10:56	04:33	Blank Spike
V3W649-BSD	3W16259.D	04/14/10	11:35	05:12	Blank Spike Duplicate
V3W649-MB	3W16260.D	04/14/10	13:09	06:46	Method Blank
V3W649-SCC	3W16260A.D	04/14/10	13:09	06:46	Summa Cleaning Certification
ZZZZZZ	3W16262.D	04/14/10	14:43	08:20	(unrelated sample)
ZZZZZZ	3W16263.D	04/14/10	15:35	09:12	(unrelated sample)
ZZZZZZ	3W16264.D	04/14/10	16:13	09:50	(unrelated sample)
ZZZZZZ	3W16265.D	04/14/10	16:51	10:28	(unrelated sample)
ZZZZZZ	3W16266.D	04/14/10	17:31	11:08	(unrelated sample)
ZZZZZZ	3W16268.D	04/14/10	19:28	13:05	(unrelated sample)
JA44094-2	3W16269.D	04/14/10	20:07	13:44	(used for QC only; not part of job JA45152)
JA44094-2DUP	3W16270.D	04/14/10	20:46	14:23	Duplicate
ZZZZZZ	3W16271.D	04/14/10	21:27	15:04	(unrelated sample)
ZZZZZZ	3W16272.D	04/14/10	22:05	15:42	(unrelated sample)
ZZZZZZ	3W16273.D	04/14/10	22:44	16:21	(unrelated sample)
ZZZZZZ	3W16275.D	04/15/10	00:39	18:16	(unrelated sample)
ZZZZZZ	3W16276.D	04/15/10	01:18	18:55	(unrelated sample)
ZZZZZZ	3W16277.D	04/15/10	01:57	19:34	(unrelated sample)
ZZZZZZ	3W16278.D	04/15/10	03:15	20:52	(unrelated sample)
ZZZZZZ	3W16279.D	04/15/10	03:53	21:30	(unrelated sample)
ZZZZZZ	3W16280.D	04/15/10	04:32	22:09	(unrelated sample)
ZZZZZZ	3W16281.D	04/15/10	05:13	22:50	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-BFB
Lab File ID: 3W16330.D
Instrument ID: GCMS3W
Injection Date: 04/19/10
Injection Time: 06:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5547	16.3		Pass
75	30.0 - 66.0% of mass 95	15978	46.8		Pass
95	Base peak, 100% relative abundance	34133	100.0		Pass
96	5.0 - 9.0% of mass 95	2622	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30493	89.3		Pass
175	4.0 - 9.01% of mass 174	2190	6.4	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	29672	86.9	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1946	5.7	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W652-CC644	3W16331.D	04/19/10	06:39	00:39	Continuing cal 10
V3W652-CC644	3W16332.D	04/19/10	07:21	01:21	Continuing cal 10
V3W652-BS	3W16333.D	04/19/10	08:40	02:40	Blank Spike
V3W652-BSD	3W16334.D	04/19/10	09:19	03:19	Blank Spike Duplicate
V3W652-MB	3W16335.D	04/19/10	10:39	04:39	Method Blank
V3W652-SCC	3W16335A.D	04/19/10	10:39	04:39	Summa Cleaning Certification
ZZZZZZ	3W16338.D	04/19/10	12:46	06:46	(unrelated sample)
ZZZZZZ	3W16339.D	04/19/10	13:26	07:26	(unrelated sample)
ZZZZZZ	3W16340.D	04/19/10	14:47	08:47	(unrelated sample)
ZZZZZZ	3W16341.D	04/19/10	15:29	09:29	(unrelated sample)
ZZZZZZ	3W16342.D	04/19/10	16:08	10:08	(unrelated sample)
ZZZZZZ	3W16343.D	04/19/10	16:46	10:46	(unrelated sample)
ZZZZZZ	3W16345.D	04/19/10	18:43	12:43	(unrelated sample)
ZZZZZZ	3W16348.D	04/19/10	20:42	14:42	(unrelated sample)
ZZZZZZ	3W16349.D	04/19/10	21:23	15:23	(unrelated sample)
JA44505-3	3W16350.D	04/19/10	22:43	16:43	(used for QC only; not part of job JA45152)
JA44505-3DUP	3W16351.D	04/19/10	23:24	17:24	Duplicate
ZZZZZZ	3W16352.D	04/20/10	00:05	18:05	(unrelated sample)
ZZZZZZ	3W16353.D	04/20/10	00:46	18:46	(unrelated sample)
ZZZZZZ	3W16354.D	04/20/10	01:27	19:27	(unrelated sample)
ZZZZZZ	3W16356.D	04/20/10	03:28	21:28	(unrelated sample)
V3W652-SCC	3W16357.D	04/20/10	04:09	22:09	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1071-BFB	**Injection Date:**	04/12/10
Lab File ID:	W25852.D	**Injection Time:**	20:23
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6885	17.7		Pass
75	30.0 - 66.0% of mass 95	17919	46.2		Pass
95	Base peak, 100% relative abundance	38810	100.0		Pass
96	5.0 - 9.0% of mass 95	2629	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	33261	85.7		Pass
175	4.0 - 9.01% of mass 174	2455	6.3	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	32242	83.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2176	5.6	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1071-ICC1071	W25853.D	04/12/10	21:04	00:41	Initial cal 10
VW1071-IC1071	W25857.D	04/13/10	00:29	04:06	Initial cal 20
VW1071-IC1071	W25858.D	04/13/10	01:10	04:47	Initial cal 5.0
VW1071-IC1071	W25859.D	04/13/10	01:51	05:28	Initial cal 0.1
VW1071-IC1071	W25860.D	04/13/10	02:33	06:10	Initial cal 0.04
VW1071-IC1071	W25861.D	04/13/10	03:55	07:32	Initial cal 5.0
VW1071-IC1071	W25862.D	04/13/10	04:36	08:13	Initial cal 10
VW1071-IC1071	W25863.D	04/13/10	05:17	08:54	Initial cal 40
VW1071-IC1071	W25864.D	04/13/10	05:58	09:35	Initial cal 0.5
VW1071-IC1071	W25865.D	04/13/10	06:39	10:16	Initial cal 0.2
VW1071-IC1071	W25866.D	04/13/10	08:02	11:39	Initial cal 20
VW1071-IC1071	W25867.D	04/13/10	08:43	12:20	Initial cal 40
VW1071-IC1071	W25868.D	04/13/10	12:03	15:40	Initial cal 0.5
VW1071-IC1071	W25869.D	04/13/10	12:44	16:21	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1076-BFB	**Injection Date:**	04/19/10
Lab File ID:	W25961.D	**Injection Time:**	06:32
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4715	21.4		Pass
75	30.0 - 66.0% of mass 95	11523	52.4		Pass
95	Base peak, 100% relative abundance	22000	100.0		Pass
96	5.0 - 9.0% of mass 95	1560	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	17376	79.0		Pass
175	4.0 - 9.01% of mass 174	1311	6.0	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	16975	77.2	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1141	5.2	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1076-CC1071	W25962.D	04/19/10	08:33	02:01	Continuing cal 10
VW1076-BS	W25963.D	04/19/10	09:14	02:42	Blank Spike
VW1076-BSD	W25964.D	04/19/10	09:55	03:23	Blank Spike Duplicate
VW1076-MB	W25965.D	04/19/10	12:13	05:41	Method Blank
VW1076-SCC	W25965A.D	04/19/10	12:13	05:41	Summa Cleaning Certification
JA44425-1	W25966.D	04/19/10	12:57	06:25	(used for QC only; not part of job JA45152)
JA44425-1DUP	W25967.D	04/19/10	13:38	07:06	Duplicate
ZZZZZZ	W25970.D	04/19/10	15:41	09:09	(unrelated sample)
ZZZZZZ	W25971.D	04/19/10	16:22	09:50	(unrelated sample)
ZZZZZZ	W25972.D	04/19/10	17:44	11:12	(unrelated sample)
ZZZZZZ	W25973.D	04/19/10	18:25	11:53	(unrelated sample)
ZZZZZZ	W25974.D	04/19/10	19:05	12:33	(unrelated sample)
ZZZZZZ	W25975.D	04/19/10	19:46	13:14	(unrelated sample)
ZZZZZZ	W25976.D	04/19/10	20:27	13:55	(unrelated sample)
ZZZZZZ	W25978.D	04/19/10	22:30	15:58	(unrelated sample)
ZZZZZZ	W25979.D	04/19/10	23:11	16:39	(unrelated sample)
ZZZZZZ	W25981.D	04/20/10	00:33	18:01	(unrelated sample)
ZZZZZZ	W25982.D	04/20/10	01:14	18:42	(unrelated sample)
ZZZZZZ	W25983.D	04/20/10	02:36	20:04	(unrelated sample)
ZZZZZZ	W25984.D	04/20/10	03:17	20:45	(unrelated sample)
ZZZZZZ	W25985.D	04/20/10	03:59	21:27	(unrelated sample)
ZZZZZZ	W25986.D	04/20/10	04:40	22:08	(unrelated sample)
ZZZZZZ	W25987.D	04/20/10	05:21	22:49	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1077-BFB	**Injection Date:**	04/20/10
Lab File ID:	W25989.D	**Injection Time:**	06:42
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	3529	21.7		Pass
75	30.0 - 66.0% of mass 95	8649	53.1		Pass
95	Base peak, 100% relative abundance	16295	100.0		Pass
96	5.0 - 9.0% of mass 95	1189	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	12792	78.5		Pass
175	4.0 - 9.01% of mass 174	942	5.8	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	12557	77.1	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	820	5.0	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1077-CC1071	W25990.D	04/20/10	08:10	01:28	Continuing cal 10
VW1077-BS	W25991.D	04/20/10	08:51	02:09	Blank Spike
VW1077-BSD	W25992.D	04/20/10	10:13	03:31	Blank Spike Duplicate
VW1077-MB	W25993.D	04/20/10	11:37	04:55	Method Blank
VW1077-SCC	W25993A.D	04/20/10	11:37	04:55	Summa Cleaning Certification
ZZZZZZ	W25994.D	04/20/10	12:18	05:36	(unrelated sample)
JA44560-1	W25995.D	04/20/10	13:00	06:18	(used for QC only; not part of job JA45152)
JA44560-1DUP	W25996.D	04/20/10	13:41	06:59	Duplicate
ZZZZZZ	W25997.D	04/20/10	15:02	08:20	(unrelated sample)
ZZZZZZ	W25998.D	04/20/10	15:44	09:02	(unrelated sample)
ZZZZZZ	W25999.D	04/20/10	16:25	09:43	(unrelated sample)
ZZZZZZ	W26000.D	04/20/10	17:05	10:23	(unrelated sample)
ZZZZZZ	W26001.D	04/20/10	17:46	11:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1078-BFB	**Injection Date:**	04/21/10
Lab File ID:	W26016.D	**Injection Time:**	06:15
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4152	19.7		Pass
75	30.0 - 66.0% of mass 95	10651	50.5		Pass
95	Base peak, 100% relative abundance	21093	100.0		Pass
96	5.0 - 9.0% of mass 95	1579	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	17115	81.1		Pass
175	4.0 - 9.01% of mass 174	1253	5.9	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	16545	78.4	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1128	5.3	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1078-CC1071	W26017.D	04/21/10	07:44	01:29	Continuing cal 10
VW1078-BS	W26018.D	04/21/10	08:26	02:11	Blank Spike
VW1078-BSD	W26019.D	04/21/10	09:07	02:52	Blank Spike Duplicate
VW1078-MB	W26020.D	04/21/10	10:29	04:14	Method Blank
VW1078-SCC	W26020A.D	04/21/10	10:29	04:14	Summa Cleaning Certification
ZZZZZZ	W26021.D	04/21/10	11:16	05:01	(unrelated sample)
ZZZZZZ	W26023.D	04/21/10	11:58	05:43	(unrelated sample)
ZZZZZZ	W26024.D	04/21/10	13:20	07:05	(unrelated sample)
ZZZZZZ	W26025.D	04/21/10	14:00	07:45	(unrelated sample)
ZZZZZZ	W26026.D	04/21/10	14:41	08:26	(unrelated sample)
ZZZZZZ	W26027.D	04/21/10	15:22	09:07	(unrelated sample)
ZZZZZZ	W26028.D	04/21/10	16:04	09:49	(unrelated sample)
JA44560-19	W26029.D	04/21/10	17:26	11:11	(used for QC only; not part of job JA45152)
JA44560-19DUP	W26030.D	04/21/10	18:07	11:52	Duplicate
ZZZZZZ	W26031.D	04/21/10	18:47	12:32	(unrelated sample)
ZZZZZZ	W26032.D	04/21/10	19:28	13:13	(unrelated sample)
ZZZZZZ	W26033.D	04/21/10	20:51	14:36	(unrelated sample)
ZZZZZZ	W26034.D	04/21/10	21:32	15:17	(unrelated sample)
ZZZZZZ	W26035.D	04/21/10	22:13	15:58	(unrelated sample)
ZZZZZZ	W26036.D	04/21/10	22:54	16:39	(unrelated sample)
ZZZZZZ	W26037.D	04/22/10	00:16	18:01	(unrelated sample)
ZZZZZZ	W26038.D	04/22/10	00:57	18:42	(unrelated sample)
ZZZZZZ	W26039.D	04/22/10	01:38	19:23	(unrelated sample)
ZZZZZZ	W26040.D	04/22/10	02:19	20:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1078-BFB	**Injection Date:**	04/21/10
Lab File ID:	W26016.D	**Injection Time:**	06:15
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W26041.D	04/22/10	03:41	21:26	(unrelated sample)
ZZZZZZ	W26042.D	04/22/10	04:22	22:07	(unrelated sample)
ZZZZZZ	W26043.D	04/22/10	05:04	22:49	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1082-BFB	**Injection Date:**	05/04/10
Lab File ID:	W26142.D	**Injection Time:**	17:57
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5820	14.5		Pass
75	30.0 - 66.0% of mass 95	17013	42.4		Pass
95	Base peak, 100% relative abundance	40122	100.0		Pass
96	5.0 - 9.0% of mass 95	2828	7.0		Pass
173	Less than 2.0% of mass 174	136	0.34	(0.36) [a]	Pass
174	50.0 - 120.0% of mass 95	37370	93.1		Pass
175	4.0 - 9.01% of mass 174	2796	7.0	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	36778	91.7	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2415	6.0	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1082-ICC1082	W26143.D	05/04/10	18:38	00:41	Initial cal 10
VW1082-IC1082	W26144.D	05/04/10	19:19	01:22	Initial cal 0.5
VW1082-IC1082	W26145.D	05/04/10	20:41	02:44	Initial cal 5.0
VW1082-IC1082	W26147.D	05/04/10	22:03	04:06	Initial cal 20
VW1082-IC1082	W26149.D	05/04/10	23:25	05:28	Initial cal 0.1
VW1082-IC1082	W26150.D	05/05/10	00:06	06:09	Initial cal 0.04
VW1082-IC1082	W26151.D	05/05/10	01:28	07:31	Initial cal 5.0
VW1082-IC1082	W26152.D	05/05/10	02:09	08:12	Initial cal 10
VW1082-IC1082	W26153.D	05/05/10	02:50	08:53	Initial cal 40
VW1082-IC1082	W26154.D	05/05/10	03:31	09:34	Initial cal 0.5
VW1082-IC1082	W26155.D	05/05/10	04:12	10:15	Initial cal 0.2
VW1082-IC1082	W26156.D	05/05/10	05:35	11:38	Initial cal 20
VW1082-IC1082	W26157.D	05/05/10	06:16	12:19	Initial cal 40
VW1082-IC1082	W26158.D	05/05/10	10:28	16:31	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1083-BFB	**Injection Date:**	05/05/10
Lab File ID:	W26159.D	**Injection Time:**	11:38
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5192	14.6		Pass
75	30.0 - 66.0% of mass 95	14848	41.7		Pass
95	Base peak, 100% relative abundance	35581	100.0		Pass
96	5.0 - 9.0% of mass 95	2365	6.6		Pass
173	Less than 2.0% of mass 174	138	0.39	(0.41) [a]	Pass
174	50.0 - 120.0% of mass 95	33544	94.3		Pass
175	4.0 - 9.01% of mass 174	2374	6.7	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	33165	93.2	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2215	6.2	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1083-CC1082	W26160.D	05/05/10	12:19	00:41	Continuing cal 10
VW1083-BS	W26161.D	05/05/10	15:05	03:27	Blank Spike
VW1083-ICV1082	W26161.D	05/05/10	15:05	03:27	Initial cal verification 10
VW1083-BSD	W26162.D	05/05/10	15:49	04:11	Blank Spike Duplicate
VW1083-MB	W26163.D	05/05/10	17:12	05:34	Method Blank
VW1083-SCC	W26163A.D	05/05/10	17:12	05:34	Summa Cleaning Certification
ZZZZZZ	W26164.D	05/05/10	17:53	06:15	(unrelated sample)
ZZZZZZ	W26165.D	05/05/10	18:33	06:55	(unrelated sample)
ZZZZZZ	W26166.D	05/05/10	19:14	07:36	(unrelated sample)
ZZZZZZ	W26167.D	05/05/10	20:36	08:58	(unrelated sample)
JA44640-11	W26168.D	05/05/10	21:17	09:39	(used for QC only; not part of job JA45152)
JA44640-11DUP	W26169.D	05/05/10	21:58	10:20	Duplicate
JA45152-1	W26170.D	05/05/10	22:39	11:01	52IA-3
JA45152-2	W26171.D	05/06/10	00:00	12:22	52IA-4AMBIENT
JA45152-3	W26172.D	05/06/10	00:41	13:03	52IA-2
JA45152-4	W26173.D	05/06/10	01:22	13:44	52IA-1
JA45152-5	W26174.D	05/06/10	02:03	14:25	34IA-3AMBIENT
JA45152-6	W26175.D	05/06/10	03:25	15:47	34IA-1
JA45152-7	W26176.D	05/06/10	04:06	16:28	34IA-2
JA45152-8	W26177.D	05/06/10	04:47	17:09	43IA-3AMBIENT
JA45152-9	W26178.D	05/06/10	05:28	17:50	43IA-2
JA45152-10	W26179.D	05/06/10	06:50	19:12	43IA-1

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1084-BFB	**Injection Date:**	05/06/10
Lab File ID:	W26180.D	**Injection Time:**	08:39
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6174	14.1		Pass
75	30.0 - 66.0% of mass 95	18848	43.2		Pass
95	Base peak, 100% relative abundance	43645	100.0		Pass
96	5.0 - 9.0% of mass 95	3090	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	40882	93.7		Pass
175	4.0 - 9.01% of mass 174	3080	7.1	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	39706	91.0	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2666	6.1	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1084-CC1082	W26182.D	05/06/10	10:02	01:23	Continuing cal 5
VW1084-BS	W26183.D	05/06/10	10:44	02:05	Blank Spike
VW1084-BSD	W26184.D	05/06/10	11:25	02:46	Blank Spike Duplicate
VW1084-MB	W26185.D	05/06/10	12:59	04:20	Method Blank
VW1084-SCC	W26185A.D	05/06/10	12:59	04:20	Summa Cleaning Certification
ZZZZZZ	W26186.D	05/06/10	13:55	05:16	(unrelated sample)
ZZZZZZ	W26187.D	05/06/10	14:36	05:57	(unrelated sample)
JA45152-9	W26188.D	05/06/10	15:17	06:38	43IA-2
JA45152-10	W26189.D	05/06/10	15:58	07:19	43IA-1
ZZZZZZ	W26190.D	05/06/10	16:44	08:05	(unrelated sample)
JA45093-2	W26191.D	05/06/10	18:06	09:27	(used for QC only; not part of job JA45152)
JA45093-2DUP	W26192.D	05/06/10	18:47	10:08	Duplicate
ZZZZZZ	W26193.D	05/06/10	19:27	10:48	(unrelated sample)
ZZZZZZ	W26194.D	05/06/10	20:08	11:29	(unrelated sample)
ZZZZZZ	W26195.D	05/06/10	20:49	12:10	(unrelated sample)
ZZZZZZ	W26196.D	05/06/10	21:30	12:51	(unrelated sample)
ZZZZZZ	W26197.D	05/06/10	22:11	13:32	(unrelated sample)
ZZZZZZ	W26198.D	05/06/10	22:52	14:13	(unrelated sample)
ZZZZZZ	W26199.D	05/07/10	00:14	15:35	(unrelated sample)
ZZZZZZ	W26200.D	05/07/10	00:55	16:16	(unrelated sample)
ZZZZZZ	W26201.D	05/07/10	01:36	16:57	(unrelated sample)
ZZZZZZ	W26202.D	05/07/10	02:18	17:39	(unrelated sample)
ZZZZZZ	W26203.D	05/07/10	03:40	19:01	(unrelated sample)
ZZZZZZ	W26204.D	05/07/10	04:21	19:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample:	VW1084-BFB	**Injection Date:**	05/06/10
Lab File ID:	W26180.D	**Injection Time:**	08:39
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W26205.D	05/07/10	05:02	20:23	(unrelated sample)
ZZZZZZ	W26206.D	05/07/10	05:43	21:04	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V2W1124-CC1118	**Injection Date:**	04/13/10
Lab File ID:	2W26727.D	**Injection Time:**	08:09
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	311014	9.29	1323693	11.16	616674	15.64
Upper Limit [a]	435420	9.62	1853170	11.49	863344	15.97
Lower Limit [b]	186608	8.96	794216	10.83	370004	15.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W1124-BS	264703	9.29	1153295	11.15	558124	15.64
V2W1124-BSD	247912	9.29	1080060	11.16	485439	15.64
V2W1124-MB	306217	9.29	1259007	11.16	500037	15.64
V2W1124-SCC	306217	9.29	1259007	11.16	500037	15.64
ZZZZZZ	334059	9.29	1357602	11.15	584564	15.64
ZZZZZZ	298859	9.29	1178223	11.16	482548	15.64
ZZZZZZ	332042	9.29	1444617	11.15	605741	15.64
ZZZZZZ	317202	9.29	1278863	11.16	501045	15.64
JA43876-1	323172	9.30	1342248	11.16	608465	15.64
JA43876-1DUP	308263	9.30	1190448	11.16	508327	15.64
ZZZZZZ	339756	9.30	1322969	11.16	515460	15.64
ZZZZZZ	335438	9.31	1407203	11.17	562522	15.64
ZZZZZZ	294094	9.30	1180227	11.16	456102	15.64
ZZZZZZ	305890	9.30	1221688	11.16	508057	15.64
ZZZZZZ	358747	9.30	1432317	11.16	613529	15.64
ZZZZZZ	318096	9.31	1203751	11.16	471717	15.64
ZZZZZZ	324259	9.28	1366233	11.15	526845	15.64
V2W1124-SCC	324054	9.29	1275000	11.15	494431	15.64

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V3W649-CC644	**Injection Date:**	04/14/10
Lab File ID:	3W16257.D	**Injection Time:**	10:15
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	98933	7.66	493186	9.35	257630	13.58
Upper Limit [a]	138506	7.99	690460	9.68	360682	13.91
Lower Limit [b]	59360	7.33	295912	9.02	154578	13.25

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W649-BS	102026	7.65	504004	9.34	257403	13.58
V3W649-BSD	101521	7.66	497263	9.35	251640	13.58
V3W649-MB	103124	7.64	476408	9.34	213093	13.58
V3W649-SCC	103124	7.64	476408	9.34	213093	13.58
ZZZZZZ	91316	7.65	431506	9.34	206517	13.58
ZZZZZZ	94629	7.65	446973	9.34	203927	13.58
ZZZZZZ	91594	7.65	441540	9.34	217270	13.58
ZZZZZZ	119572	7.64	582183	9.34	293862	13.58
ZZZZZZ	94512	7.65	456339	9.34	221631	13.58
ZZZZZZ	106311	7.67	510409	9.36	237098	13.58
JA44094-2	108230	7.65	520233	9.34	242978	13.58
JA44094-2DUP	106044	7.65	503725	9.34	234608	13.58
ZZZZZZ	106117	7.65	498800	9.34	223279	13.58
ZZZZZZ	109104	7.65	507033	9.34	223646	13.58
ZZZZZZ	106393	7.66	497046	9.35	235832	13.58
ZZZZZZ	101837	7.65	485908	9.34	224341	13.58
ZZZZZZ	102681	7.65	477936	9.34	218517	13.58
ZZZZZZ	95805	7.66	448314	9.35	210174	13.58
ZZZZZZ	101316	7.64	480076	9.34	217701	13.58
ZZZZZZ	99337	7.67	484022	9.35	233521	13.58
ZZZZZZ	97997	7.66	466414	9.35	219889	13.58
ZZZZZZ	97607	7.65	464568	9.34	214713	13.58

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	V3W652-CC644	**Injection Date:**	04/19/10
Lab File ID:	3W16331.D	**Injection Time:**	06:39
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	81773	7.66	400032	9.35	208913	13.58
Upper Limit [a]	114482	7.99	560045	9.68	292478	13.91
Lower Limit [b]	49064	7.33	240019	9.02	125348	13.25

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W652-BS	87357	7.65	423433	9.34	219191	13.58
V3W652-BSD	92891	7.65	458902	9.34	241346	13.58
V3W652-MB	92580	7.66	423770	9.35	189579	13.58
V3W652-SCC	92580	7.66	423770	9.35	189579	13.58
ZZZZZZ	80976	7.65	403497	9.34	198721	13.58
ZZZZZZ	90386	7.66	417818	9.35	195786	13.58
ZZZZZZ	87323	7.66	424008	9.34	216026	13.60
ZZZZZZ	95247	7.64	437384	9.32	196490	13.57
ZZZZZZ	87316	7.63	404548	9.32	171589	13.57
ZZZZZZ	84626	7.63	401498	9.33	167016	13.57
ZZZZZZ	96147	7.63	400724	9.32	193071	13.57
ZZZZZZ	85445	7.64	402053	9.33	186336	13.57
ZZZZZZ	89510	7.64	426312	9.33	200303	13.57
JA44505-3	94975	7.63	444787	9.32	191776	13.57
JA44505-3DUP	93452	7.63	407392	9.32	184408	13.57
ZZZZZZ	93201	7.64	410347	9.33	190136	13.57
ZZZZZZ	88501	7.64	430853	9.33	207164	13.57
ZZZZZZ	95602	7.64	445862	9.34	286353	13.56
ZZZZZZ	104994	7.63	455442	9.32	199482	13.57
V3W652-SCC	93952	7.63	389819	9.33	173584	13.57

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1076-CC1071	**Injection Date:**	04/19/10
Lab File ID:	W25962.D	**Injection Time:**	08:33
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	66246	9.05	298528	10.84	153527	15.15
Upper Limit [a]	92744	9.38	417939	11.17	214938	15.48
Lower Limit [b]	39748	8.72	179117	10.51	92116	14.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1076-BS	65569	9.04	299864	10.83	158450	15.14
VW1076-BSD	72351	9.06	339246	10.85	172078	15.15
VW1076-MB	70501	9.01	292138	10.79	126540	15.12
VW1076-SCC	70501	9.01	292138	10.79	126540	15.12
JA44425-1	64677	9.01	303494	10.79	142271	15.12
JA44425-1DUP	67921	9.00	330371	10.78	160132	15.12
ZZZZZZ	61848	8.97	299849	10.77	156065	15.10
ZZZZZZ	70441	8.98	338381	10.79	172587	15.12
ZZZZZZ	70831	8.97	330703	10.76	163486	15.10
ZZZZZZ	69683	8.98	320904	10.76	145686	15.10
ZZZZZZ	60391	8.98	274990	10.76	134973	15.11
ZZZZZZ	53472	8.96	223891	10.75	110124	15.10
ZZZZZZ	49586	8.98	215030	10.76	100876	15.11
ZZZZZZ	63495	8.98	292519	10.76	135924	15.11
ZZZZZZ	57361	8.97	264528	10.76	126740	15.10
ZZZZZZ	53277	8.98	240136	10.76	117023	15.10
ZZZZZZ	69222	8.98	359915	10.76	184302	15.10
ZZZZZZ	60347	8.97	276144	10.76	136275	15.10
ZZZZZZ	59731	8.97	294037	10.76	151157	15.10
ZZZZZZ	53552	8.98	246810	10.76	129477	15.10
ZZZZZZ	53948	8.98	240767	10.76	118245	15.10
ZZZZZZ	49999	8.98	228684	10.76	116303	15.10

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1077-CC1071	**Injection Date:**	04/20/10
Lab File ID:	W25990.D	**Injection Time:**	08:10
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	70450	8.99	314421	10.77	161012	15.11
Upper Limit [a]	98630	9.32	440189	11.10	225417	15.44
Lower Limit [b]	42270	8.66	188653	10.44	96607	14.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1077-BS	70412	8.98	317594	10.77	168569	15.11
VW1077-BSD	71504	8.99	327612	10.77	169037	15.11
VW1077-MB	64029	8.97	300143	10.75	140369	15.10
VW1077-SCC	64029	8.97	300143	10.75	140369	15.10
ZZZZZZ	61692	8.97	294735	10.76	144377	15.11
JA44560-1	55132	8.97	241566	10.75	120883	15.10
JA44560-1DUP	56725	8.97	259493	10.75	121697	15.10
ZZZZZZ	63168	8.97	294883	10.75	142165	15.10
ZZZZZZ	58624	8.98	275108	10.77	140422	15.11
ZZZZZZ	59115	8.97	265591	10.76	129674	15.11
ZZZZZZ	56126	8.98	237104	10.77	116595	15.11
ZZZZZZ	57706	8.97	263491	10.75	132069	15.10

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1078-CC1071	**Injection Date:**	04/21/10
Lab File ID:	W26017.D	**Injection Time:**	07:44
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	63623	8.97	275702	10.77	146728	15.11
Upper Limit [a]	89072	9.30	385983	11.10	205419	15.44
Lower Limit [b]	38174	8.64	165421	10.44	88037	14.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1078-BS	64150	8.98	279680	10.77	151004	15.11
VW1078-BSD	66281	8.97	297106	10.76	157015	15.11
VW1078-MB	57016	8.97	239297	10.75	107534	15.10
VW1078-SCC	57016	8.97	239297	10.75	107534	15.10
ZZZZZZ	59653	8.98	261338	10.76	122121	15.11
ZZZZZZ	55140	8.97	240875	10.75	131792	15.10
ZZZZZZ	61912	8.97	261624	10.75	137198	15.10
ZZZZZZ	62233	8.97	283474	10.75	138425	15.11
ZZZZZZ	60255	8.97	271628	10.76	135355	15.11
ZZZZZZ	58011	8.97	254860	10.75	131434	15.10
ZZZZZZ	56783	8.97	246102	10.75	101010	15.10
JA44560-19	68762	8.97	339915	10.75	174340	15.10
JA44560-19DUP	64708	8.96	324158	10.75	170932	15.10
ZZZZZZ	62793	8.98	312643	10.76	152921	15.11
ZZZZZZ	58974	8.97	266930	10.75	141281	15.11
ZZZZZZ	59709	8.96	265017	10.75	125987	15.09
ZZZZZZ	62512	8.96	304563	10.75	150554	15.09
ZZZZZZ	53748	8.97	238675	10.76	117392	15.11
ZZZZZZ	53784	8.98	241544	10.77	120505	15.11
ZZZZZZ	56209	8.96	241395	10.75	112482	15.10
ZZZZZZ	54832	8.96	243365	10.75	108699	15.10
ZZZZZZ	62522	8.97	315227	10.75	161441	15.11
ZZZZZZ	52420	8.97	253367	10.75	125435	15.10
ZZZZZZ	43705	8.97	188465	10.75	97570	15.10
ZZZZZZ	48642	8.97	240511	10.75	121720	15.10
ZZZZZZ	45654	8.96	218083	10.75	112612	15.10

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1083-CC1082	**Injection Date:**	05/05/10
Lab File ID:	W26160.D	**Injection Time:**	12:19
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	113064	9.11	519322	10.83	237997	15.10
Upper Limit [a]	158290	9.44	727051	11.16	333196	15.43
Lower Limit [b]	67838	8.78	311593	10.50	142798	14.77

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1083-BS	141354	9.12	714821	10.83	310258	15.10
VW1083-BSD	139342	9.10	673837	10.83	290357	15.10
VW1083-MB	128138	9.10	587423	10.82	220070	15.09
VW1083-SCC	128138	9.10	587423	10.82	220070	15.09
ZZZZZZ	125122	9.10	597669	10.82	248337	15.08
ZZZZZZ	127394	9.10	626249	10.82	253598	15.09
ZZZZZZ	124915	9.10	609653	10.82	243918	15.08
ZZZZZZ	134239	9.10	631422	10.82	256821	15.09
JA44640-11	131022	9.12	608050	10.83	246753	15.09
JA44640-11DUP	128227	9.10	601455	10.82	241929	15.08
JA45152-1	129480	9.11	638013	10.82	260292	15.08
JA45152-2	130842	9.10	630971	10.82	247699	15.08
JA45152-3	126387	9.10	612954	10.82	243980	15.08
JA45152-4	130291	9.10	624322	10.82	247000	15.08
JA45152-5	120239	9.10	559175	10.82	203736	15.09
JA45152-6	123568	9.10	554165	10.82	224424	15.08
JA45152-7	116748	9.11	539315	10.83	211983	15.09
JA45152-8	111533	9.10	512939	10.82	208811	15.08
JA45152-9	110628	9.10	510082	10.82	222416	15.08
JA45152-10	126384	9.10	574314	10.82	240944	15.08

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Check Std:	VW1084-CC1082	**Injection Date:**	05/06/10
Lab File ID:	W26182.D	**Injection Time:**	10:02
Instrument ID:	GCMSW	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	138467	9.10	734271	10.82	332654	15.09
Upper Limit [a]	193854	9.43	1027979	11.15	465716	15.42
Lower Limit [b]	83080	8.77	440563	10.49	199592	14.76

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
VW1084-BS	138659	9.10	712458	10.82	331524	15.09
VW1084-BSD	141067	9.10	720563	10.82	332719	15.09
VW1084-MB	132575	9.10	624489	10.82	242994	15.08
VW1084-SCC	132575	9.10	624489	10.82	242994	15.08
ZZZZZZ	124948	9.09	603811	10.81	248171	15.08
ZZZZZZ	119296	9.10	595489	10.82	248110	15.08
JA45152-9	118855	9.10	595668	10.82	248202	15.09
JA45152-10	120577	9.10	610005	10.82	250262	15.08
ZZZZZZ	120126	9.09	600149	10.80	250547	15.08
JA45093-2	134984	9.12	637389	10.83	251950	15.08
JA45093-2DUP	133414	9.13	637092	10.83	258898	15.08
ZZZZZZ	129173	9.12	604514	10.83	242951	15.08
ZZZZZZ	131549	9.10	622137	10.82	249914	15.08
ZZZZZZ	122568	9.09	594121	10.81	233415	15.08
ZZZZZZ	113970	9.09	543398	10.81	223128	15.08
ZZZZZZ	127571	9.09	605929	10.81	241068	15.08
ZZZZZZ	112614	9.08	545809	10.80	221376	15.08
ZZZZZZ	126048	9.09	595929	10.81	235437	15.08
ZZZZZZ	111621	9.09	551414	10.81	219510	15.08
ZZZZZZ	109809	9.09	528119	10.81	220562	15.08
ZZZZZZ	105484	9.09	507022	10.81	205749	15.08
ZZZZZZ	122634	9.09	585733	10.81	234570	15.08
ZZZZZZ	111526	9.09	544090	10.81	213446	15.08
ZZZZZZ	106476	9.09	509992	10.81	203846	15.08
ZZZZZZ	113328	9.10	535330	10.82	209149	15.08

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.30	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.30	0.596	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.16	1.062	ok	1.061	1.001-1.121
Bromoform	16.40	15.65	1.048	ok	1.048	0.988-1.108
Bromomethane	5.79	9.30	0.623	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.01	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.60	11.16	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.16	1.069	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.09	9.30	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.23	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.75	11.16	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.16	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.07	9.30	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.31	9.30	1.001	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.31	9.30	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.97	9.30	0.534	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.01	15.65	0.895	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.69	9.30	0.719	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.30	0.934	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.75	11.16	1.142	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.33	9.30	0.896	ok	0.899	0.839-0.959
Methylmethacrylate	12.06	11.16	1.081	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
Pentane	6.84	9.30	0.735	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.81	15.65	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.47	11.16	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.22	9.30	0.776	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.81	9.30	1.055	ok	1.059	0.999-1.119
Toluene	13.74	11.16	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.58	9.30	0.708	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.30	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.43	9.30	0.906	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	263849	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1076317	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	436737	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.51	9.30	0.700	ok	0.698	0.638-0.758
1,3-Butadiene	5.54	9.30	0.596	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.16	1.062	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.91	15.65	1.208	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.65	1.257	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.55	9.30	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.41	9.30	1.012	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.36	9.30	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.30	0.771	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.45	15.65	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.11	9.30	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.16	1.040	ok	1.040	0.980-1.100
1,4-Dioxane	12.02	11.16	1.077	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.11	9.30	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.16	1.143	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.65	1.210	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.65	1.215	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.16	1.004	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.12	9.30	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.35	9.30	1.005	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.31	9.30	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.97	9.30	0.534	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.30	0.988	ok	0.987	0.927-1.047
2-Hexanone	14.07	15.65	0.899	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.77	9.30	0.728	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.74	9.30	0.940	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.80	11.16	1.147	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.37	9.30	0.900	ok	0.899	0.839-0.959
Methylmethacrylate	12.09	11.16	1.083	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.30	1.114	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.47	11.16	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.65	1.363	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.33	9.30	0.788	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.89	9.30	1.063	ok	1.059	0.999-1.119
Toluene	13.74	11.16	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.30	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.30	0.586	ok	0.585	0.525-0.645
Vinyl Acetate	8.44	9.30	0.908	ok	0.908	0.848-0.968
m,p-Xylene	16.25	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	280494	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1096228	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	393375	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.30	0.696	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.79	9.30	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.93	9.30	0.638	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.30	0.566	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.60	11.17	1.038	ok	1.040	0.980-1.100
1,4-Dioxane	11.92	11.17	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.30	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.23	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.17	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.07	9.30	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.30	1.000	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.17	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	13.99	15.65	0.894	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.69	9.30	0.719	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.68	9.30	0.933	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.73	11.17	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.30	0.895	ok	0.899	0.839-0.959
Methylmethacrylate	12.06	11.17	1.080	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.03	9.30	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.21	9.30	0.775	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.30	1.054	ok	1.059	0.999-1.119
Toluene	13.74	11.17	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.30	0.585	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	285266	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1241829	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	517881	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.50	9.30	0.699	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.83	11.17	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.30	0.539	ok	0.538	0.478-0.598
Chloroethane	5.94	9.30	0.639	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.25	9.30	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.30	0.895	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.30	0.771	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.17	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.99	11.17	1.073	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.30	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.10	9.30	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.30	0.985	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.30	11.17	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.12	9.30	0.658	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.33	9.30	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.30	0.804	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.03	11.17	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.05	15.65	0.898	ok	0.897	0.837-0.957
Iodomethane	7.11	9.30	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.75	9.30	0.726	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.73	9.30	0.939	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.78	11.17	1.144	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.36	9.30	0.899	ok	0.899	0.839-0.959
Methylmethacrylate	12.08	11.17	1.081	ok	1.082	1.022-1.142
Nonane	16.90	15.65	1.080	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.65	1.363	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.31	9.30	0.786	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.87	9.30	1.061	ok	1.059	0.999-1.119
Toluene	13.74	11.17	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.30	0.585	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	306364	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1264485	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	492398	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.31	0.695	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.31	0.596	ok	0.596	0.536-0.656
Benzene	10.84	11.18	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.86	11.18	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.66	1.048	ok	1.048	0.988-1.108
Bromomethane	5.80	9.31	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.31	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.31	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.66	1.208	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.66	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.66	1.214	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.66	1.194	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.31	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.71	15.66	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.31	0.538	ok	0.538	0.478-0.598
Chloroethane	5.93	9.31	0.637	ok	0.638	0.578-0.698
Chloroform	9.41	9.31	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.31	0.565	ok	0.565	0.505-0.625
3-Chloropropene	7.38	9.31	0.793	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.31	1.179	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.18	0.986	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.31	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.31	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.66	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.31	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.18	1.038	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.18	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.31	0.548	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.66	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.11	9.31	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.31	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.18	1.141	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.66	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.66	1.239	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.66	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.30	11.18	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.21	11.18	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.04	9.31	1.078	ok	1.078	1.018-1.138
Ethanol	6.09	9.31	0.654	ok	0.655	0.595-0.715
Ethylbenzene	16.07	15.66	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.31	0.999	ok	1.003	0.943-1.063
4-Ethyltoluene	18.16	15.66	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.31	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.31	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.31	0.682	ok	0.683	0.623-0.743
Freon 123A	6.40	9.31	0.687	ok	0.688	0.628-0.748
Freon 152A	4.97	9.31	0.534	ok	0.535	0.475-0.595
Heptane	12.03	11.18	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.66	1.394	ok	1.395	1.335-1.455
Hexane	9.19	9.31	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.01	15.66	0.895	ok	0.897	0.837-0.957
Iodomethane	7.12	9.31	0.765	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.66	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.71	9.31	0.721	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.66	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.31	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.31	0.933	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.74	11.18	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.31	0.894	ok	0.899	0.839-0.959
Methylmethacrylate	12.07	11.18	1.080	ok	1.082	1.022-1.142
Nonane	16.91	15.66	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.66	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.31	0.736	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Propylene	5.04	9.31	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.66	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.31	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.66	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.66	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.49	11.18	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.66	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.66	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.25	15.66	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.77	11.18	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.23	9.31	0.777	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.66	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.31	1.053	ok	1.059	0.999-1.119
Toluene	13.75	11.18	1.230	ok	1.231	1.171-1.291
Trichloroethylene	11.87	11.18	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.31	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.31	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.44	9.31	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.66	1.038	ok	1.038	0.978-1.098
o-Xylene	16.79	15.66	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.31	ok	9.30	8.97-9.63	286455	ok	292906	175744-410068
1,4-Difluorobenzene	11.18	ok	11.17	10.84-11.50	1282511	ok	1246769	748061-1745477
Chlorobenzene-D5	15.66	ok	15.65	15.32-15.98	593195	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.52	9.30	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.56	9.30	0.598	ok	0.596	0.536-0.656
Benzene	10.82	11.16	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.84	11.16	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.80	9.30	0.624	ok	0.623	0.563-0.683
Bromoethene	6.24	9.30	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.30	0.600	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.30	0.540	ok	0.538	0.478-0.598
Chloroethane	5.94	9.30	0.639	ok	0.638	0.578-0.698
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
Chloromethane	5.24	9.30	0.563	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.30	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.96	9.30	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.16	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.30	0.895	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.30	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.61	11.16	1.040	ok	1.040	0.980-1.100
1,4-Dioxane	12.02	11.16	1.077	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.09	9.30	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.09	9.30	0.870	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.15	9.30	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.75	11.16	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.16	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.18	11.16	1.002	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethanol	6.10	9.30	0.656	ok	0.655	0.595-0.715
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.36	9.30	1.006	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.47	9.30	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.16	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.30	0.988	ok	0.987	0.927-1.047
2-Hexanone	14.06	15.65	0.898	ok	0.897	0.837-0.957
Iodomethane	7.12	9.30	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.65	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.77	9.30	0.728	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.30	0.785	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.75	9.30	0.941	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.82	11.16	1.149	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.39	9.30	0.902	ok	0.899	0.839-0.959
Methylmethacrylate	12.08	11.16	1.082	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.85	9.30	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.30	0.542	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.68	15.65	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.81	15.65	1.074	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.16	1.208	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.32	15.65	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.16	1.054	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.33	9.30	0.788	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.90	9.30	1.065	ok	1.059	0.999-1.119
Toluene	13.75	11.16	1.232	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.16	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.59	9.30	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.30	0.586	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.30	0.909	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.65	1.039	ok	1.038	0.978-1.098
o-Xylene	16.79	15.65	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	308723	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1317314	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	524561	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.53	9.31	0.701	ok	0.698	0.638-0.758
1,3-Butadiene	5.56	9.31	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.85	11.17	1.061	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.31	0.624	ok	0.623	0.563-0.683
Bromoethene	6.26	9.31	0.672	ok	0.671	0.611-0.731
n-Butane	5.58	9.31	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.68	15.65	1.258	ok	1.256	1.196-1.316
sec-Butylbenzene	19.01	15.65	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.70	15.65	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.58	9.31	0.814	ok	0.813	0.753-0.873
Chlorobenzene	15.70	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.00	9.31	0.537	ok	0.538	0.478-0.598
Chloroethane	5.93	9.31	0.637	ok	0.638	0.578-0.698
Chloroform	9.41	9.31	1.011	ok	1.011	0.951-1.071
Chloromethane	5.27	9.31	0.566	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.31	0.792	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.31	1.179	ok	1.179	1.119-1.239
Cyclohexane	11.02	11.17	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.31	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.19	9.31	0.772	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.12	9.31	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.63	11.17	1.041	ok	1.040	0.980-1.100
1,4-Dioxane	12.11	11.17	1.084	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.11	9.31	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.24	15.65	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.12	9.31	0.872	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.31	0.984	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.76	11.17	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.65	1.215	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.29	11.17	1.190	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.20	11.17	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.31	1.077	ok	1.078	1.018-1.138
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.39	9.31	1.009	ok	1.003	0.943-1.063
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.49	9.31	0.805	ok	0.803	0.743-0.863
Freon 114	5.33	9.31	0.573	ok	0.572	0.512-0.632
Freon 123	6.36	9.31	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.31	0.687	ok	0.688	0.628-0.748
Freon 152A	4.98	9.31	0.535	ok	0.535	0.475-0.595
Heptane	12.03	11.17	1.077	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.83	15.65	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.31	0.987	ok	0.987	0.927-1.047
2-Hexanone	14.15	15.65	0.904	ok	0.897	0.837-0.957
Iodomethane	7.13	9.31	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.65	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.85	9.31	0.736	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.31	0.784	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.79	9.31	0.944	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.84	11.17	1.150	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.43	9.31	0.905	ok	0.899	0.839-0.959
Methylmethacrylate	12.11	11.17	1.084	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.66	15.65	0.937	ok	0.936	0.876-0.996
Pentane	6.86	9.31	0.737	ok	0.736	0.676-0.796
n-Propylbenzene	17.99	15.65	1.150	ok	1.150	1.090-1.210
Propylene	5.04	9.31	0.541	ok	0.542	0.482-0.602
Styrene	16.67	15.65	1.065	ok	1.066	1.006-1.126

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.36	9.31	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.34	15.65	1.364	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.24	15.65	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.76	11.17	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.44	9.31	0.799	ok	0.783	0.723-0.843
Tetrachloroethylene	14.94	15.65	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.95	9.31	1.069	ok	1.059	0.999-1.119
Toluene	13.75	11.17	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.31	0.709	ok	0.709	0.649-0.769
Vinyl chloride	5.45	9.31	0.585	ok	0.585	0.525-0.645
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.78	15.65	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.31	ok	9.30	8.97-9.63	308704	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1339907	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	520785	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.55	9.30	0.704	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.30	0.597	ok	0.596	0.536-0.656
Benzene	10.82	11.17	0.969	ok	0.969	0.909-1.029
Bromodichloromethane	11.84	11.17	1.060	ok	1.061	1.001-1.121
Bromoform	16.41	15.65	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.30	0.625	ok	0.623	0.563-0.683
Bromoethene	6.25	9.30	0.672	ok	0.671	0.611-0.731
n-Butane	5.57	9.30	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.92	15.65	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.66	15.65	1.256	ok	1.256	1.196-1.316
Carbon disulfide	7.56	9.30	0.813	ok	0.813	0.753-0.873
Chlorobenzene	15.69	15.65	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.99	9.30	0.537	ok	0.538	0.478-0.598
Chloroform	9.40	9.30	1.011	ok	1.011	0.951-1.071
3-Chloropropene	7.36	9.30	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	17.98	15.65	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.97	9.30	1.180	ok	1.179	1.119-1.239
Cyclohexane	11.04	11.17	0.988	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.31	9.30	0.894	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.16	9.30	0.770	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.46	15.65	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.13	9.30	1.089	ok	1.088	1.028-1.148
Dichlorodifluoromethane	5.11	9.30	0.549	ok	0.548	0.488-0.608
Dibromochloromethane	14.22	15.65	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.13	9.30	0.874	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.30	0.985	ok	0.984	0.924-1.044
m-Dichlorobenzene	18.92	15.65	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.65	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.00	15.65	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.28	11.17	1.189	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.19	11.17	1.002	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.03	9.30	1.078	ok	1.078	1.018-1.138
Ethylbenzene	16.06	15.65	1.026	ok	1.026	0.966-1.086

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
4-Ethyltoluene	18.15	15.65	1.160	ok	1.160	1.100-1.220
Freon 113	7.46	9.30	0.802	ok	0.803	0.743-0.863
Freon 114	5.32	9.30	0.572	ok	0.572	0.512-0.632
Freon 123	6.35	9.30	0.683	ok	0.683	0.623-0.743
Freon 123A	6.40	9.30	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.30	0.535	ok	0.535	0.475-0.595
Heptane	12.02	11.17	1.076	ok	1.077	1.017-1.137
Hexane	9.18	9.30	0.987	ok	0.987	0.927-1.047
Iodomethane	7.12	9.30	0.766	ok	0.765	0.705-0.825
Isopropylbenzene	17.42	15.65	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.80	9.30	0.731	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.18	15.65	1.226	ok	1.225	1.165-1.285
Methylene chloride	7.29	9.30	0.784	ok	0.784	0.724-0.844
Methyl Tert Butyl Ether	8.41	9.30	0.904	ok	0.899	0.839-0.959
Methylmethacrylate	12.10	11.17	1.083	ok	1.082	1.022-1.142
Nonane	16.91	15.65	1.081	ok	1.080	1.020-1.140
Octane	14.65	15.65	0.936	ok	0.936	0.876-0.996
n-Propylbenzene	18.00	15.65	1.150	ok	1.150	1.090-1.210
Styrene	16.67	15.65	1.065	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.35	9.30	1.113	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.67	15.65	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.82	15.65	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.48	11.17	1.207	ok	1.207	1.147-1.267
1,2,4-Trimethylbenzene	18.71	15.65	1.196	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	11.77	11.17	1.054	ok	1.053	0.993-1.113
Tetrachloroethylene	14.95	15.65	0.955	ok	0.955	0.895-1.015
Toluene	13.75	11.17	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.86	11.17	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.30	0.710	ok	0.709	0.649-0.769
Vinyl chloride	5.43	9.30	0.584	ok	0.585	0.525-0.645
m,p-Xylene	16.24	15.65	1.038	ok	1.038	0.978-1.098
o-Xylene	16.76	15.65	1.071	ok	1.072	1.012-1.132

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	280710	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1155169	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	458858	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.47	9.32	0.694	ok	0.698	0.638-0.758
1,3-Butadiene	5.55	9.32	0.595	ok	0.596	0.536-0.656
Benzene	10.84	11.18	0.970	ok	0.969	0.909-1.029
Bromodichloromethane	11.86	11.18	1.061	ok	1.061	1.001-1.121
Bromoform	16.43	15.66	1.049	ok	1.048	0.988-1.108
Bromomethane	5.81	9.32	0.623	ok	0.623	0.563-0.683
Bromoethene	6.25	9.32	0.671	ok	0.671	0.611-0.731
n-Butane	5.58	9.32	0.599	ok	0.599	0.539-0.659
Benzyl Chloride	18.93	15.66	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.67	15.66	1.256	ok	1.256	1.196-1.316
sec-Butylbenzene	19.02	15.66	1.215	ok	1.215	1.155-1.275
tert-Butylbenzene	18.71	15.66	1.195	ok	1.195	1.135-1.255
Carbon disulfide	7.57	9.32	0.812	ok	0.813	0.753-0.873
Chlorobenzene	15.72	15.66	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.02	9.32	0.539	ok	0.538	0.478-0.598
Chloroethane	5.94	9.32	0.637	ok	0.638	0.578-0.698
Chloroform	9.42	9.32	1.011	ok	1.011	0.951-1.071
Chloromethane	5.26	9.32	0.564	ok	0.565	0.505-0.625
3-Chloropropene	7.37	9.32	0.791	ok	0.792	0.732-0.852
2-Chlorotoluene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Carbon tetrachloride	10.98	9.32	1.178	ok	1.179	1.119-1.239
Cyclohexane	11.03	11.18	0.987	ok	0.987	0.927-1.047
1,1-Dichloroethane	8.32	9.32	0.893	ok	0.894	0.834-0.954
1,1-Dichloroethylene	7.17	9.32	0.769	ok	0.770	0.710-0.830
1,2-Dibromoethane	14.47	15.66	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	10.13	9.32	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.62	11.18	1.039	ok	1.040	0.980-1.100
1,4-Dioxane	11.93	11.18	1.067	ok	1.073	1.013-1.133
Dichlorodifluoromethane	5.10	9.32	0.547	ok	0.548	0.488-0.608
Dibromochloromethane	14.25	15.66	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.12	9.32	0.871	ok	0.871	0.811-0.931
cis-1,2-Dichloroethylene	9.16	9.32	0.983	ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	12.77	11.18	1.142	ok	1.142	1.082-1.202

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.93	15.66	1.209	ok	1.209	1.149-1.269
o-Dichlorobenzene	19.41	15.66	1.239	ok	1.240	1.180-1.300
p-Dichlorobenzene	19.01	15.66	1.214	ok	1.214	1.154-1.274
trans-1,3-Dichloropropene	13.31	11.18	1.191	ok	1.190	1.130-1.250
2,3-Dimethylpentane	11.21	11.18	1.003	ok	1.003	0.943-1.063
2,4-Dimethylpentane	10.04	9.32	1.077	ok	1.078	1.018-1.138
Ethanol	6.09	9.32	0.653	ok	0.655	0.595-0.715
Ethylbenzene	16.07	15.66	1.026	ok	1.026	0.966-1.086
Ethyl Acetate	9.30	9.32	0.998	ok	1.003	0.943-1.063
4-Ethyltoluene	18.16	15.66	1.160	ok	1.160	1.100-1.220
Freon 113	7.48	9.32	0.803	ok	0.803	0.743-0.863
Freon 114	5.32	9.32	0.571	ok	0.572	0.512-0.632
Freon 123	6.35	9.32	0.681	ok	0.683	0.623-0.743
Freon 123A	6.41	9.32	0.688	ok	0.688	0.628-0.748
Freon 152A	4.98	9.32	0.534	ok	0.535	0.475-0.595
Heptane	12.03	11.18	1.076	ok	1.077	1.017-1.137
Hexachlorobutadiene	21.84	15.66	1.395	ok	1.395	1.335-1.455
Hexane	9.19	9.32	0.986	ok	0.987	0.927-1.047
2-Hexanone	14.00	15.66	0.894	ok	0.897	0.837-0.957
Iodomethane	7.12	9.32	0.764	ok	0.765	0.705-0.825
Isopropylbenzene	17.43	15.66	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.71	9.32	0.720	ok	0.725	0.665-0.785
p-Isopropyltoluene	19.19	15.66	1.225	ok	1.225	1.165-1.285
Methylene chloride	7.30	9.32	0.783	ok	0.784	0.724-0.844
Methyl ethyl ketone	8.69	9.32	0.932	ok	0.937	0.877-0.997
Methyl Isobutyl Ketone	12.74	11.18	1.140	ok	1.144	1.084-1.204
Methyl Tert Butyl Ether	8.32	9.32	0.893	ok	0.899	0.839-0.959
Methylmethacrylate	12.07	11.18	1.080	ok	1.082	1.022-1.142
Nonane	16.91	15.66	1.080	ok	1.080	1.020-1.140
Octane	14.66	15.66	0.936	ok	0.936	0.876-0.996
Pentane	6.85	9.32	0.735	ok	0.736	0.676-0.796
n-Propylbenzene	18.00	15.66	1.149	ok	1.150	1.090-1.210
Propylene	5.04	9.32	0.541	ok	0.542	0.482-0.602

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.69	15.66	1.066	ok	1.066	1.006-1.126
1,1,1-Trichloroethane	10.36	9.32	1.112	ok	1.113	1.053-1.173
1,1,1,2-Tetrachloroethane	15.68	15.66	1.001	ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	16.83	15.66	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.49	11.18	1.207	ok	1.207	1.147-1.267
1,2,4-Trichlorobenzene	21.33	15.66	1.362	ok	1.363	1.303-1.423
1,2,4-Trimethylbenzene	18.72	15.66	1.195	ok	1.195	1.135-1.255
1,3,5-Trimethylbenzene	18.25	15.66	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.77	11.18	1.053	ok	1.053	0.993-1.113
Tertiary Butyl Alcohol	7.23	9.32	0.776	ok	0.783	0.723-0.843
Tetrachloroethylene	14.95	15.66	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.80	9.32	1.052	ok	1.059	0.999-1.119
Toluene	13.76	11.18	1.231	ok	1.231	1.171-1.291
Trichloroethylene	11.88	11.18	1.063	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.60	9.32	0.708	ok	0.709	0.649-0.769
Vinyl chloride	5.44	9.32	0.584	ok	0.585	0.525-0.645
Vinyl Acetate	8.45	9.32	0.907	ok	0.908	0.848-0.968
m,p-Xylene	16.26	15.66	1.038	ok	1.038	0.978-1.098
o-Xylene	16.79	15.66	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.32	ok	9.30	8.97-9.63	268015	ok	292906	175744-410068
1,4-Difluorobenzene	11.18	ok	11.17	10.84-11.50	1197825	ok	1246769	748061-1745477
Chlorobenzene-D5	15.66	ok	15.65	15.32-15.98	637497	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.48	15.65	1.373	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	292745	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1233631	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	518707	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.46	15.65	1.371	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	325486	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1378449	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	561963	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	306063	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1332896	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	558998	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	314308	ok	292906	175744-410068
1,4-Difluorobenzene	11.16	ok	11.17	10.84-11.50	1354673	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	563245	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	Reporting this level
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	292108	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1221418	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	511500	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W1118-IC1118	2W26577.D	04/05/10 11:11	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26578.D	04/05/10 11:54	YXC	0.5	GCMS2W	TO-15	
V2W1118-ICC1118	2W26579.D	04/05/10 12:37	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26580.D	04/05/10 13:20	YXC	2	GCMS2W	TO-15	
V2W1118-IC1118	2W26581.D	04/05/10 15:40	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26582.D	04/05/10 17:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26583.D	04/05/10 17:49	YXC	0.1	GCMS2W	TO-15	
V2W1118-IC1118	2W26584.D	04/05/10 18:32	YXC	0.04	GCMS2W	TO-15	
V2W1118-IC1118	2W26585.D	04/05/10 19:15	YXC	40	GCMS2W	TO-15	
V2W1118-IC1118	2W26587.D	04/05/10 22:06	YXC	0.2	GCMS2W	TO-15	
V2W1118-IC1118	2W26588.D	04/05/10 22:49	YXC	0.5	GCMS2W	TO-15	
V2W1118-IC1118	2W26589.D	04/05/10 23:32	YXC	5	GCMS2W	TO-15	
V2W1118-IC1118	2W26590.D	04/06/10 00:16	YXC	10	GCMS2W	TO-15	
V2W1118-IC1118	2W26591.D	04/06/10 00:59	YXC	20	GCMS2W	TO-15	
V2W1118-IC1118	2W26592.D	04/06/10 01:42	YXC	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	21.47	15.65	1.372	ok	1.372	1.312-1.432

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.30	ok	9.30	8.97-9.63	274293	ok	292906	175744-410068
1,4-Difluorobenzene	11.17	ok	11.17	10.84-11.50	1208890	ok	1246769	748061-1745477
Chlorobenzene-D5	15.65	ok	15.65	15.32-15.98	537205	ok	521794	313076-730512

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.31	7.66	0.693	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.66	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.35	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.97	9.35	1.066	ok	1.066	1.006-1.126
Bromoform	14.31	13.59	1.053	ok	1.053	0.993-1.113
Bromomethane	4.79	7.66	0.625	ok	0.626	0.566-0.686
Bromoethene	5.14	7.66	0.671	ok	0.671	0.611-0.731
n-Butane	4.62	7.66	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	16.89	13.59	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.70	13.59	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.01	13.59	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.68	13.59	1.227	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.66	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.64	13.59	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.66	0.546	ok	0.547	0.487-0.607
Chloroethane	4.89	7.66	0.638	ok	0.640	0.580-0.700
Chloroform	7.75	7.66	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.66	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.66	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.92	13.59	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.16	7.66	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.21	9.35	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.81	7.66	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.87	7.66	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.43	13.59	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.39	7.66	1.095	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.75	9.35	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.03	9.35	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.25	7.66	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.59	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.66	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.53	7.66	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.89	13.59	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.40	13.59	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.98	13.59	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.35	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.66	0.990	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.39	9.35	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.66	1.087	ok	1.087	1.027-1.147
Ethanol	5.03	7.66	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.59	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.66	7.66	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.59	1.185	ok	1.186	1.126-1.246
Freon 113	6.12	7.66	0.799	ok	0.800	0.740-0.860
Freon 114	4.43	7.66	0.578	ok	0.579	0.519-0.639
Freon 123	5.22	7.66	0.681	ok	0.682	0.622-0.742
Freon 123A	5.25	7.66	0.685	ok	0.687	0.627-0.747
Freon 152A	4.15	7.66	0.542	ok	0.543	0.483-0.603
Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.59	1.467	ok	1.467	1.407-1.527
Hexane	7.57	7.66	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.01	13.59	0.884	ok	0.885	0.825-0.945
Iodomethane	5.82	7.66	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.35	13.59	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.66	0.718	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.20	13.59	1.266	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.66	0.778	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.12	7.66	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.35	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.18	9.35	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.59	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.59	0.933	ok	0.933	0.873-0.993
Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.94	13.59	1.173	ok	1.173	1.113-1.233
Propylene	4.20	7.66	0.548	ok	0.550	0.490-0.610
Styrene	14.60	13.59	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.60	7.66	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.59	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.73	13.59	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.59	1.428	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.59	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.59	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.59	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.91	7.66	0.772	ok	0.775	0.715-0.835
Tetrachloroethylene	12.91	13.59	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.08	7.66	1.055	ok	1.059	0.999-1.119
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.66	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.66	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.66	0.905	ok	0.904	0.844-0.964
m,p-Xylene	14.19	13.59	1.044	ok	1.044	0.984-1.104
o-Xylene	14.70	13.59	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.66	0.732	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	96939	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	490746	ok	479845	287907-671783
Chlorobenzene-D5	13.59	ok	13.58	13.25-13.91	249303	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.35	7.65	0.699	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.02	9.34	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.31	13.58	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.14	7.65	0.672	ok	0.671	0.611-0.731
n-Butane	4.63	7.65	0.605	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.70	13.58	1.303	ok	1.302	1.242-1.362
sec-Butylbenzene	17.00	13.58	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.62	13.58	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.89	7.65	0.639	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.65	0.571	ok	0.571	0.511-0.631
3-Chloropropene	6.02	7.65	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.65	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.11	9.34	1.082	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.20	13.58	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.65	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.82	9.34	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.34	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.65	0.993	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.34	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.31	7.65	1.086	ok	1.087	1.027-1.147
Ethanol	5.05	7.65	0.660	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.68	7.65	1.004	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.21	7.65	0.681	ok	0.682	0.622-0.742
Freon 123A	5.25	7.65	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.57	7.65	0.990	ok	0.988	0.928-1.048
2-Hexanone	12.04	13.58	0.887	ok	0.885	0.825-0.945
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.53	7.65	0.723	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.19	13.58	1.266	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.65	0.779	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.16	7.65	0.936	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.83	9.34	1.160	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.84	7.65	0.894	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.34	1.091	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.58	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
Styrene	14.59	13.58	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.41	13.58	1.429	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.58	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.90	9.34	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.93	7.65	0.775	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.14	7.65	1.064	ok	1.059	0.999-1.119
Toluene	11.76	9.34	1.259	ok	1.258	1.198-1.318
Trichloroethylene	9.97	9.34	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.65	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.65	0.906	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	99318	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	472442	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	215174	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.33	7.68	0.694	ok	0.697	0.637-0.757
1,3-Butadiene	4.61	7.68	0.600	ok	0.601	0.541-0.661
Benzene	9.04	9.37	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.99	9.37	1.066	ok	1.066	1.006-1.126
Bromoform	14.33	13.60	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.68	0.625	ok	0.626	0.566-0.686
Bromoethene	5.15	7.68	0.671	ok	0.671	0.611-0.731
n-Butane	4.63	7.68	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	16.91	13.60	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.71	13.60	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.02	13.60	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.70	13.60	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.20	7.68	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.65	13.60	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.68	0.546	ok	0.547	0.487-0.607
Chloroethane	4.91	7.68	0.639	ok	0.640	0.580-0.700
Chloroform	7.78	7.68	1.013	ok	1.012	0.952-1.072
Chloromethane	4.38	7.68	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.05	7.68	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.93	13.60	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.17	7.68	1.194	ok	1.196	1.136-1.256
Cyclohexane	9.22	9.37	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.83	7.68	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.88	7.68	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.44	13.60	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.40	7.68	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.76	9.37	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.05	9.37	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.68	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.23	13.60	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.65	7.68	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.55	7.68	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.84	9.37	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.91	13.60	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.41	13.60	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.99	13.60	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.35	9.37	1.211	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.61	7.68	0.991	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.40	9.37	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.34	7.68	1.086	ok	1.087	1.027-1.147
Ethanol	5.05	7.68	0.658	ok	0.658	0.598-0.718
Ethylbenzene	14.01	13.60	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.69	7.68	1.001	ok	1.000	0.940-1.060
4-Ethyltoluene	16.12	13.60	1.185	ok	1.186	1.126-1.246
Freon 113	6.14	7.68	0.799	ok	0.800	0.740-0.860
Freon 114	4.44	7.68	0.578	ok	0.579	0.519-0.639
Freon 123	5.23	7.68	0.681	ok	0.682	0.622-0.742
Freon 123A	5.27	7.68	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.68	0.542	ok	0.543	0.483-0.603
Heptane	10.18	9.37	1.086	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.60	1.466	ok	1.467	1.407-1.527
Hexane	7.58	7.68	0.987	ok	0.988	0.928-1.048
2-Hexanone	12.03	13.60	0.885	ok	0.885	0.825-0.945
Iodomethane	5.84	7.68	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.36	13.60	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.55	7.68	0.723	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.21	13.60	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.98	7.68	0.779	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.15	7.68	0.931	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.83	9.37	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.83	7.68	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.20	9.37	1.089	ok	1.089	1.029-1.149
Nonane	14.88	13.60	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.60	0.932	ok	0.933	0.873-0.993
Pentane	5.63	7.68	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.95	13.60	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.68	0.548	ok	0.550	0.490-0.610
Styrene	14.62	13.60	1.075	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.62	7.68	1.122	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.62	13.60	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.75	13.60	1.085	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.52	9.37	1.229	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.60	1.426	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.87	13.60	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.71	13.60	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.22	13.60	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.93	9.37	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.95	7.68	0.775	ok	0.775	0.715-0.835
Tetrachloroethylene	12.92	13.60	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.10	7.68	1.055	ok	1.059	0.999-1.119
Toluene	11.77	9.37	1.256	ok	1.258	1.198-1.318
Trichloroethylene	10.00	9.37	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.68	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.94	7.68	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.20	13.60	1.044	ok	1.044	0.984-1.104
o-Xylene	14.71	13.60	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.63	7.68	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.19	9.37	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.65	7.32-7.98	94770	ok	99015	59409-138621
1,4-Difluorobenzene	9.37	ok	9.35	9.02-9.68	481093	ok	479845	287907-671783
Chlorobenzene-D5	13.60	ok	13.58	13.25-13.91	249952	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.31	7.66	0.693	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.66	0.601	ok	0.601	0.541-0.661
Benzene	9.02	9.35	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.35	1.065	ok	1.066	1.006-1.126
Bromoform	14.31	13.59	1.053	ok	1.053	0.993-1.113
Bromomethane	4.79	7.66	0.625	ok	0.626	0.566-0.686
Bromoethene	5.14	7.66	0.671	ok	0.671	0.611-0.731
n-Butane	4.63	7.66	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.59	1.242	ok	1.243	1.183-1.303
n-Butylbenzene	17.69	13.59	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.00	13.59	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.68	13.59	1.227	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.66	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.59	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.66	0.547	ok	0.547	0.487-0.607
Chloroethane	4.90	7.66	0.640	ok	0.640	0.580-0.700
Chloroform	7.75	7.66	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.66	0.570	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.66	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.59	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.16	7.66	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.35	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.81	7.66	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.87	7.66	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.59	0.914	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.38	7.66	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.35	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.03	9.35	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.66	0.556	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.59	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.66	0.866	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.53	7.66	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.59	1.242	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.59	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.59	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.35	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.66	0.990	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.35	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.66	1.087	ok	1.087	1.027-1.147
Ethanol	5.03	7.66	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.00	13.59	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.66	7.66	1.000	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.59	1.185	ok	1.186	1.126-1.246
Freon 113	6.12	7.66	0.799	ok	0.800	0.740-0.860
Freon 114	4.43	7.66	0.578	ok	0.579	0.519-0.639
Freon 123	5.22	7.66	0.681	ok	0.682	0.622-0.742
Freon 123A	5.26	7.66	0.687	ok	0.687	0.627-0.747
Freon 152A	4.16	7.66	0.543	ok	0.543	0.483-0.603
Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.59	1.467	ok	1.467	1.407-1.527
Hexane	7.57	7.66	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.00	13.59	0.883	ok	0.885	0.825-0.945
Iodomethane	5.82	7.66	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.59	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.66	0.718	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.19	13.59	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.66	0.778	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.12	7.66	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.35	1.156	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.66	0.890	ok	0.892	0.832-0.952
Methylmethacrylate	10.18	9.35	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.59	1.094	ok	1.094	1.034-1.154
Octane	12.67	13.59	0.932	ok	0.933	0.873-0.993
Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.59	1.172	ok	1.173	1.113-1.233
Propylene	4.21	7.66	0.550	ok	0.550	0.490-0.610
Styrene	14.60	13.59	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.60	7.66	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.59	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.59	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.59	1.428	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.85	13.59	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.59	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.59	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.90	7.66	0.770	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.59	0.949	ok	0.950	0.890-1.010
Tetrahydrofuran	8.09	7.66	1.056	ok	1.059	0.999-1.119
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.66	0.706	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.66	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.92	7.66	0.903	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.59	1.043	ok	1.044	0.984-1.104
o-Xylene	14.69	13.59	1.081	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.62	7.66	0.734	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.17	9.35	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.65	7.32-7.98	100860	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	493574	ok	479845	287907-671783
Chlorobenzene-D5	13.59	ok	13.58	13.25-13.91	240338	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.33	7.64	0.698	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.64	0.602	ok	0.601	0.541-0.661
Benzene	9.01	9.34	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.30	13.58	1.053	ok	1.053	0.993-1.113
Bromomethane	4.78	7.64	0.626	ok	0.626	0.566-0.686
Bromoethene	5.13	7.64	0.671	ok	0.671	0.611-0.731
n-Butane	4.62	7.64	0.605	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
n-Butylbenzene	17.69	13.58	1.303	ok	1.302	1.242-1.362
sec-Butylbenzene	16.99	13.58	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.17	7.64	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.62	13.58	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.64	0.548	ok	0.547	0.487-0.607
Chloroethane	4.89	7.64	0.640	ok	0.640	0.580-0.700
Chloroform	7.73	7.64	1.012	ok	1.012	0.952-1.072
Chloromethane	4.37	7.64	0.572	ok	0.571	0.511-0.631
3-Chloropropene	6.02	7.64	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.64	1.198	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.64	0.890	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.64	0.767	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.41	13.58	0.914	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.64	1.096	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.06	9.34	1.077	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.64	0.558	ok	0.556	0.496-0.616
Dibromochloromethane	12.20	13.58	0.898	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.64	0.868	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.51	7.64	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.81	9.34	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.34	1.213	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.58	7.64	0.992	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.37	9.34	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.31	7.64	1.088	ok	1.087	1.027-1.147
Ethanol	5.02	7.64	0.657	ok	0.658	0.598-0.718
Ethylbenzene	13.99	13.58	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.67	7.64	1.004	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.11	7.64	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.64	0.580	ok	0.579	0.519-0.639
Freon 123	5.21	7.64	0.682	ok	0.682	0.622-0.742
Freon 123A	5.25	7.64	0.687	ok	0.687	0.627-0.747
Freon 152A	4.15	7.64	0.543	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.56	7.64	0.990	ok	0.988	0.928-1.048
2-Hexanone	12.01	13.58	0.884	ok	0.885	0.825-0.945
Iodomethane	5.81	7.64	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.33	13.58	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.50	7.64	0.720	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.18	13.58	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.96	7.64	0.780	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.13	7.64	0.933	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.81	9.34	1.157	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.64	0.893	ok	0.892	0.832-0.952
Methylmethacrylate	10.17	9.34	1.089	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.64	0.734	ok	0.733	0.673-0.793
n-Propylbenzene	15.93	13.58	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.64	0.551	ok	0.550	0.490-0.610
Styrene	14.59	13.58	1.074	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.59	7.64	1.124	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.60	13.58	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.71	13.58	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.58	1.429	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.84	13.58	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.68	13.58	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.19	13.58	1.192	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.90	9.34	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.91	7.64	0.774	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.11	7.64	1.062	ok	1.059	0.999-1.119
Toluene	11.75	9.34	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.97	9.34	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.64	0.708	ok	0.707	0.647-0.767
Vinyl chloride	4.51	7.64	0.590	ok	0.590	0.530-0.650
Vinyl Acetate	6.91	7.64	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.64	0.734	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	101458	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	486504	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	223991	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.37	7.65	0.702	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.34	0.967	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.34	1.066	ok	1.066	1.006-1.126
Bromoform	14.29	13.58	1.052	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.14	7.65	0.672	ok	0.671	0.611-0.731
n-Butane	4.62	7.65	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.88	13.58	1.243	ok	1.243	1.183-1.303
sec-Butylbenzene	17.00	13.58	1.252	ok	1.251	1.191-1.311
tert-Butylbenzene	16.67	13.58	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.58	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.90	7.65	0.641	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
Chloromethane	4.38	7.65	0.573	ok	0.571	0.511-0.631
3-Chloropropene	6.03	7.65	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.20	9.34	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.37	7.65	1.094	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.74	9.34	1.043	ok	1.042	0.982-1.102
1,4-Dioxane	10.13	9.34	1.085	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.58	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.63	7.65	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.34	1.160	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.88	13.58	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.39	13.58	1.281	ok	1.280	1.220-1.340

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	16.98	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.34	9.34	1.214	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.65	0.993	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.38	9.34	1.004	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.33	7.65	1.089	ok	1.087	1.027-1.147
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.70	7.65	1.007	ok	1.000	0.940-1.060
4-Ethyltoluene	16.10	13.58	1.186	ok	1.186	1.126-1.246
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.65	0.682	ok	0.682	0.622-0.742
Freon 123A	5.25	7.65	0.686	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.58	1.468	ok	1.467	1.407-1.527
Hexane	7.56	7.65	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.04	13.58	0.887	ok	0.885	0.825-0.945
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.54	7.65	0.724	ok	0.722	0.662-0.782
Methyl ethyl ketone	7.17	7.65	0.937	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.84	9.34	1.161	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.85	7.65	0.895	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.34	1.091	ok	1.089	1.029-1.149
Nonane	14.86	13.58	1.094	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.94	13.58	1.174	ok	1.173	1.113-1.233
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.49	9.34	1.230	ok	1.230	1.170-1.290
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.68	13.58	1.228	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.34	1.061	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.96	7.65	0.779	ok	0.775	0.715-0.835
Tetrachloroethylene	12.91	13.58	0.951	ok	0.950	0.890-1.010
Tetrahydrofuran	8.16	7.65	1.067	ok	1.059	0.999-1.119
Toluene	11.76	9.34	1.259	ok	1.258	1.198-1.318
Trichloroethylene	9.98	9.34	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.65	0.591	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.65	0.906	ok	0.904	0.844-0.964
m,p-Xylene	14.18	13.58	1.044	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.34	1.088	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	99733	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	475250	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	212815	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.37	7.65	0.702	ok	0.697	0.637-0.757
1,3-Butadiene	4.60	7.65	0.601	ok	0.601	0.541-0.661
Benzene	9.03	9.35	0.966	ok	0.965	0.905-1.025
Bromodichloromethane	9.96	9.35	1.065	ok	1.066	1.006-1.126
Bromoform	14.30	13.58	1.053	ok	1.053	0.993-1.113
Bromomethane	4.80	7.65	0.627	ok	0.626	0.566-0.686
Bromoethene	5.15	7.65	0.673	ok	0.671	0.611-0.731
Carbon disulfide	6.18	7.65	0.808	ok	0.807	0.747-0.867
Chlorobenzene	13.63	13.58	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.65	0.548	ok	0.547	0.487-0.607
Chloroethane	4.91	7.65	0.642	ok	0.640	0.580-0.700
Chloroform	7.74	7.65	1.012	ok	1.012	0.952-1.072
3-Chloropropene	6.03	7.65	0.788	ok	0.788	0.728-0.848
2-Chlorotoluene	15.91	13.58	1.172	ok	1.171	1.111-1.231
Carbon tetrachloride	9.15	7.65	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.21	9.35	0.985	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.80	7.65	0.889	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.86	7.65	0.766	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.42	13.58	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.38	7.65	1.095	ok	1.095	1.035-1.155
Dichlorodifluoromethane	4.26	7.65	0.557	ok	0.556	0.496-0.616
Dibromochloromethane	12.21	13.58	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.64	7.65	0.868	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.52	7.65	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.83	9.35	1.158	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.89	13.58	1.244	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.40	13.58	1.281	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.97	13.58	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.33	9.35	1.212	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.61	7.65	0.995	ok	0.992	0.932-1.052
2,4-Dimethylpentane	8.32	7.65	1.088	ok	1.087	1.027-1.147
Ethylbenzene	14.00	13.58	1.031	ok	1.030	0.970-1.090
Ethyl Acetate	7.52	7.65	0.983	ok	1.000	0.940-1.060
4-Ethyltoluene	16.11	13.58	1.186	ok	1.186	1.126-1.246

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	6.12	7.65	0.800	ok	0.800	0.740-0.860
Freon 114	4.43	7.65	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.65	0.682	ok	0.682	0.622-0.742
Freon 123A	5.26	7.65	0.688	ok	0.687	0.627-0.747
Freon 152A	4.16	7.65	0.544	ok	0.543	0.483-0.603
Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147
Hexane	7.56	7.65	0.988	ok	0.988	0.928-1.048
Iodomethane	5.82	7.65	0.761	ok	0.760	0.700-0.820
Isopropylbenzene	15.34	13.58	1.130	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.58	7.65	0.729	ok	0.722	0.662-0.782
Methyl Isobutyl Ketone	10.86	9.35	1.161	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.87	7.65	0.898	ok	0.892	0.832-0.952
Methylmethacrylate	10.19	9.35	1.090	ok	1.089	1.029-1.149
Nonane	14.87	13.58	1.095	ok	1.094	1.034-1.154
Octane	12.67	13.58	0.933	ok	0.933	0.873-0.993
Propylene	4.21	7.65	0.550	ok	0.550	0.490-0.610
1,1,1-Trichloroethane	8.59	7.65	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.61	13.58	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.72	13.58	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.50	9.35	1.230	ok	1.230	1.170-1.290
1,2,3-Trichloropropane	14.85	13.58	1.094	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.69	13.58	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.20	13.58	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.91	9.35	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.98	7.65	0.782	ok	0.775	0.715-0.835
Tetrachloroethylene	12.90	13.58	0.950	ok	0.950	0.890-1.010
Toluene	11.76	9.35	1.258	ok	1.258	1.198-1.318
Trichloroethylene	9.99	9.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	7.65	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.53	7.65	0.592	ok	0.590	0.530-0.650
m,p-Xylene	14.19	13.58	1.045	ok	1.044	0.984-1.104
o-Xylene	14.69	13.58	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.61	7.65	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.16	9.35	1.087	ok	1.087	1.027-1.147

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65	ok	7.65	7.32-7.98	97080	ok	99015	59409-138621
1,4-Difluorobenzene	9.35	ok	9.35	9.02-9.68	459464	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	207628	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64 ok	7.65	7.32-7.98	99181 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	470567 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	215338 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	96561 ok	99015	59409-138621
1,4-Difluorobenzene	9.35 ok	9.35	9.02-9.68	463109 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	217269 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.32	7.67	0.694	ok	0.697	0.637-0.757
1,3-Butadiene	4.61	7.67	0.601	ok	0.601	0.541-0.661
Benzene	9.04	9.37	0.965	ok	0.965	0.905-1.025
Bromodichloromethane	9.98	9.37	1.065	ok	1.066	1.006-1.126
Bromoform	14.34	13.60	1.054	ok	1.053	0.993-1.113
Bromomethane	4.80	7.67	0.626	ok	0.626	0.566-0.686
Bromoethene	5.14	7.67	0.670	ok	0.671	0.611-0.731
n-Butane	4.63	7.67	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	16.92	13.60	1.244	ok	1.243	1.183-1.303
n-Butylbenzene	17.71	13.60	1.302	ok	1.302	1.242-1.362
sec-Butylbenzene	17.02	13.60	1.251	ok	1.251	1.191-1.311
tert-Butylbenzene	16.70	13.60	1.228	ok	1.228	1.168-1.288
Carbon disulfide	6.19	7.67	0.807	ok	0.807	0.747-0.867
Chlorobenzene	13.65	13.60	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.67	0.546	ok	0.547	0.487-0.607
Chloroethane	4.91	7.67	0.640	ok	0.640	0.580-0.700
Chloroform	7.77	7.67	1.013	ok	1.012	0.952-1.072
Chloromethane	4.38	7.67	0.571	ok	0.571	0.511-0.631
3-Chloropropene	6.04	7.67	0.787	ok	0.788	0.728-0.848
2-Chlorotoluene	15.93	13.60	1.171	ok	1.171	1.111-1.231
Carbon tetrachloride	9.17	7.67	1.196	ok	1.196	1.136-1.256
Cyclohexane	9.22	9.37	0.984	ok	0.985	0.925-1.045
1,1-Dichloroethane	6.83	7.67	0.890	ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.88	7.67	0.767	ok	0.766	0.706-0.826
1,2-Dibromoethane	12.44	13.60	0.915	ok	0.914	0.854-0.974
1,2-Dichloroethane	8.40	7.67	1.095	ok	1.095	1.035-1.155
1,2-Dichloropropane	9.76	9.37	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	10.04	9.37	1.072	ok	1.076	1.016-1.136
Dichlorodifluoromethane	4.26	7.67	0.555	ok	0.556	0.496-0.616
Dibromochloromethane	12.23	13.60	0.899	ok	0.899	0.839-0.959
trans-1,2-Dichloroethylene	6.65	7.67	0.867	ok	0.867	0.807-0.927
cis-1,2-Dichloroethylene	7.55	7.67	0.984	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.84	9.37	1.157	ok	1.158	1.098-1.218
m-Dichlorobenzene	16.92	13.60	1.244	ok	1.243	1.183-1.303

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.41	13.60	1.280	ok	1.280	1.220-1.340
p-Dichlorobenzene	16.99	13.60	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.35	9.37	1.211	ok	1.213	1.153-1.273
Di-Isopropyl ether	7.60	7.67	0.991	ok	0.992	0.932-1.052
2,3-Dimethylpentane	9.40	9.37	1.003	ok	1.004	0.944-1.064
2,4-Dimethylpentane	8.34	7.67	1.087	ok	1.087	1.027-1.147
Ethanol	5.04	7.67	0.657	ok	0.658	0.598-0.718
Ethylbenzene	14.01	13.60	1.030	ok	1.030	0.970-1.090
Ethyl Acetate	7.68	7.67	1.001	ok	1.000	0.940-1.060
4-Ethyltoluene	16.13	13.60	1.186	ok	1.186	1.126-1.246
Freon 113	6.14	7.67	0.801	ok	0.800	0.740-0.860
Freon 114	4.44	7.67	0.579	ok	0.579	0.519-0.639
Freon 123	5.22	7.67	0.681	ok	0.682	0.622-0.742
Freon 123A	5.27	7.67	0.687	ok	0.687	0.627-0.747
Freon 152A	4.16	7.67	0.542	ok	0.543	0.483-0.603
Heptane	10.17	9.37	1.085	ok	1.087	1.027-1.147
Hexachlorobutadiene	19.94	13.60	1.466	ok	1.467	1.407-1.527
Hexane	7.58	7.67	0.988	ok	0.988	0.928-1.048
2-Hexanone	12.02	13.60	0.884	ok	0.885	0.825-0.945
Iodomethane	5.83	7.67	0.760	ok	0.760	0.700-0.820
Isopropylbenzene	15.36	13.60	1.129	ok	1.129	1.069-1.189
Isopropyl Alcohol	5.53	7.67	0.721	ok	0.722	0.662-0.782
p-Isopropyltoluene	17.21	13.60	1.265	ok	1.265	1.205-1.325
Methylene chloride	5.98	7.67	0.780	ok	0.779	0.719-0.839
Methyl ethyl ketone	7.13	7.67	0.930	ok	0.932	0.872-0.992
Methyl Isobutyl Ketone	10.82	9.37	1.155	ok	1.158	1.098-1.218
Methyl Tert Butyl Ether	6.82	7.67	0.889	ok	0.892	0.832-0.952
Methylmethacrylate	10.20	9.37	1.089	ok	1.089	1.029-1.149
Nonane	14.88	13.60	1.094	ok	1.094	1.034-1.154
Octane	12.68	13.60	0.932	ok	0.933	0.873-0.993
Pentane	5.62	7.67	0.733	ok	0.733	0.673-0.793
n-Propylbenzene	15.95	13.60	1.173	ok	1.173	1.113-1.233
Propylene	4.21	7.67	0.549	ok	0.550	0.490-0.610
Styrene	14.62	13.60	1.075	ok	1.075	1.015-1.135

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,1,1,2-Tetrachloroethane	13.62	13.60	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.76	13.60	1.085	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.52	9.37	1.229	ok	1.230	1.170-1.290
1,2,4-Trichlorobenzene	19.40	13.60	1.426	ok	1.428	1.368-1.488
1,2,3-Trichloropropane	14.87	13.60	1.093	ok	1.093	1.033-1.153
1,2,4-Trimethylbenzene	16.72	13.60	1.229	ok	1.229	1.169-1.289
1,3,5-Trimethylbenzene	16.23	13.60	1.193	ok	1.193	1.133-1.253
2,2,4-Trimethylpentane	9.93	9.37	1.060	ok	1.060	1.000-1.120
Tertiary Butyl Alcohol	5.94	7.67	0.774	ok	0.775	0.715-0.835
Tetrachloroethylene	12.92	13.60	0.950	ok	0.950	0.890-1.010
Tetrahydrofuran	8.09	7.67	1.055	ok	1.059	0.999-1.119
Toluene	11.77	9.37	1.256	ok	1.258	1.198-1.318
Trichloroethylene	10.00	9.37	1.067	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Vinyl chloride	4.52	7.67	0.589	ok	0.590	0.530-0.650
Vinyl Acetate	6.93	7.67	0.904	ok	0.904	0.844-0.964
m,p-Xylene	14.21	13.60	1.045	ok	1.044	0.984-1.104
o-Xylene	14.72	13.60	1.082	ok	1.082	1.022-1.142
TVHC As Equiv Pentane	5.62	7.67	0.733	ok	0.733	0.673-0.793
TVHC As Equiv Heptane	10.18	9.37	1.086	ok	1.087	1.027-1.147

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.65	7.32-7.98	94098	ok	99015	59409-138621
1,4-Difluorobenzene	9.37	ok	9.35	9.02-9.68	476545	ok	479845	287907-671783
Chlorobenzene-D5	13.60	ok	13.58	13.25-13.91	259673	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	103327 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	494172 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	224153 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439	ok	1.439	1.379-1.499

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.64	ok	7.65	7.32-7.98	101980	ok	99015	59409-138621
1,4-Difluorobenzene	9.34	ok	9.35	9.02-9.68	488576	ok	479845	287907-671783
Chlorobenzene-D5	13.58	ok	13.58	13.25-13.91	216282	ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	Reporting this level
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	101924 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	488160 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	232898 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W644-ICC644	3W16118.D	04/06/10 16:31	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16121.D	04/06/10 19:05	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16122.D	04/06/10 19:45	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16123.D	04/06/10 20:23	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16124.D	04/06/10 21:02	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16125.D	04/06/10 21:41	YMH	0.1	GCMS3W	TO-15	
V3W644-IC644	3W16126.D	04/06/10 22:20	YMH	0.04	GCMS3W	TO-15	
V3W644-IC644	3W16127.D	04/06/10 23:36	YMH	5.0	GCMS3W	TO-15	
V3W644-IC644	3W16128.D	04/07/10 00:14	YMH	10	GCMS3W	TO-15	
V3W644-IC644	3W16129.D	04/07/10 00:54	YMH	40	GCMS3W	TO-15	
V3W644-IC644	3W16130.D	04/07/10 01:33	YMH	0.5	GCMS3W	TO-15	
V3W644-IC644	3W16131.D	04/07/10 02:11	YMH	0.2	GCMS3W	TO-15	
V3W644-IC644	3W16132.D	04/07/10 03:28	YMH	20	GCMS3W	TO-15	
V3W644-IC644	3W16133.D	04/07/10 04:08	YMH	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	19.54	13.58	1.439 ok	1.439	1.379-1.499

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.65 ok	7.65	7.32-7.98	98981 ok	99015	59409-138621
1,4-Difluorobenzene	9.34 ok	9.35	9.02-9.68	477631 ok	479845	287907-671783
Chlorobenzene-D5	13.58 ok	13.58	13.25-13.91	231113 ok	228281	136969-319593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.39	9.06	0.705	ok	0.707	0.647-0.767
Acrolein	6.26	9.06	0.691	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.84	1.060	ok	1.061	1.001-1.121
Bromoform	15.88	15.14	1.049	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.14	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.14	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.82	9.06	0.532	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.18	9.06	1.013	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.42	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.06	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.02	15.14	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.87	9.06	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.84	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.14	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.34	10.84	1.138	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.14	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.85	10.84	1.185	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.06	1.091	ok	1.090	1.030-1.150
Ethanol	6.06	9.06	0.669	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.06	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.36	9.06	0.812	ok	0.812	0.752-0.872
Freon 114	5.17	9.06	0.571	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.14	1.398	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.60	15.14	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.69	9.06	0.738	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.06	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.40	10.84	1.144	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.06	0.908	ok	0.910	0.850-0.970
Methylmethacrylate	11.70	10.84	1.079	ok	1.083	1.023-1.143
Nonane	16.46	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.27	15.14	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.14	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.14	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.84	1.203	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.22	9.06	0.797	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.62	9.06	1.062	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.27	9.06	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	75531	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	384285	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	198607	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.38	9.06	0.704	ok	0.707	0.647-0.767
Acrolein	6.25	9.06	0.690	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.50	10.84	1.061	ok	1.061	1.001-1.121
Bromoform	15.88	15.15	1.048	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.31	15.15	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.15	1.259	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.15	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.15	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.15	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.81	9.06	0.531	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.19	9.06	1.014	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.15	1.150	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.03	9.06	0.776	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.03	15.15	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.87	9.06	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.84	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.78	15.15	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.84	1.139	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.15	1.209	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.78	15.15	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.15	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.84	1.186	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.87	9.06	1.089	ok	1.090	1.030-1.150
Ethanol	6.05	9.06	0.668	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.15	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.06	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.15	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.06	0.811	ok	0.812	0.752-0.872
Freon 114	5.16	9.06	0.570	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.15	1.397	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.60	15.15	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.15	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.70	9.06	0.740	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.15	1.228	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.06	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.41	10.84	1.145	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.22	9.06	0.907	ok	0.910	0.850-0.970
Methylmethacrylate	11.70	10.84	1.079	ok	1.083	1.023-1.143
Nonane	16.46	15.15	1.086	ok	1.087	1.027-1.147
Octane	14.28	15.15	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.15	1.152	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.15	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.15	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.28	15.15	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.06	10.84	1.205	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.15	1.365	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.15	1.084	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.14	15.15	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.69	15.15	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.23	9.06	0.798	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.15	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.61	9.06	1.061	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.27	9.06	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.15	1.040	ok	1.041	0.981-1.101
o-Xylene	16.28	15.15	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	74384	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	362858	ok	363718	218231-509205
Chlorobenzene-D5	15.15	ok	15.13	14.80-15.46	191666	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.42	9.06	0.709	ok	0.707	0.647-0.767
Acrolein	6.29	9.06	0.694	ok	0.693	0.633-0.753
1,3-Butadiene	5.41	9.06	0.597	ok	0.597	0.537-0.657
Benzene	10.53	10.84	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.84	1.060	ok	1.061	1.001-1.121
Bromoform	15.88	15.14	1.049	ok	1.049	0.989-1.109
Bromomethane	5.66	9.06	0.625	ok	0.625	0.565-0.685
Bromoethene	6.12	9.06	0.675	ok	0.676	0.616-0.736
n-Butane	5.45	9.06	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.14	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.06	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.19	15.14	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.82	9.06	0.532	ok	0.530	0.470-0.590
Chloroethane	5.81	9.06	0.641	ok	0.641	0.581-0.701
Chloroform	9.18	9.06	1.013	ok	1.013	0.953-1.073
Chloromethane	5.08	9.06	0.561	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.06	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.42	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.06	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.84	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.06	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.06	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.03	15.14	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.06	1.088	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.31	10.84	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.62	10.84	1.072	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.06	0.543	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.14	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.06	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.06	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.84	1.139	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.14	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.84	1.186	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.06	1.002	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.98	10.84	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.06	1.091	ok	1.090	1.030-1.150
Ethanol	6.11	9.06	0.674	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.14	9.06	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.36	9.06	0.812	ok	0.812	0.752-0.872
Freon 114	5.16	9.06	0.570	ok	0.569	0.509-0.629
Freon 123	6.23	9.06	0.688	ok	0.688	0.628-0.748
Freon 123A	6.28	9.06	0.693	ok	0.693	0.633-0.753
Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.14	1.399	ok	1.399	1.339-1.459
Hexane	9.06	9.06	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.62	15.14	0.900	ok	0.900	0.840-0.960
Iodomethane	6.99	9.06	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.90	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.73	9.06	0.743	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.06	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.58	9.06	0.947	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.42	10.84	1.146	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.24	9.06	0.909	ok	0.910	0.850-0.970
Methylmethacrylate	11.71	10.84	1.080	ok	1.083	1.023-1.143
Nonane	16.46	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.28	15.14	0.943	ok	0.943	0.883-1.003
Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.06	0.535	ok	0.534	0.474-0.594
Styrene	16.16	15.14	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.09	9.06	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.14	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.05	10.84	1.204	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.53	10.84	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.25	9.06	0.800	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.65	9.06	1.065	ok	1.069	1.009-1.129
Toluene	13.32	10.84	1.229	ok	1.230	1.170-1.290
Trichloroethylene	11.52	10.84	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.06	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.06	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.06	0.914	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.06	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.76	10.84	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.06	ok	9.05	8.72-9.38	77163	ok	73954	44372-103536
1,4-Difluorobenzene	10.84	ok	10.82	10.49-11.15	387714	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	189240	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	6.30	9.05	0.696	ok	0.693	0.633-0.753
1,3-Butadiene	5.42	9.05	0.599	ok	0.597	0.537-0.657
Benzene	10.52	10.81	0.973	ok	0.972	0.912-1.032
Bromodichloromethane	11.48	10.81	1.062	ok	1.061	1.001-1.121
Bromoform	15.87	15.14	1.048	ok	1.049	0.989-1.109
Bromomethane	5.67	9.05	0.627	ok	0.625	0.565-0.685
Bromoethene	6.13	9.05	0.677	ok	0.676	0.616-0.736
n-Butane	5.45	9.05	0.602	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.14	1.209	ok	1.209	1.149-1.269
sec-Butylbenzene	18.43	15.14	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.44	9.05	0.822	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.14	1.003	ok	1.003	0.943-1.063
Chloroethane	5.82	9.05	0.643	ok	0.641	0.581-0.701
Chloroform	9.15	9.05	1.011	ok	1.013	0.953-1.073
Chloromethane	5.09	9.05	0.562	ok	0.560	0.500-0.620
3-Chloropropene	7.26	9.05	0.802	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.14	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.05	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.77	10.81	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.05	0.901	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.05	9.05	0.779	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.14	0.925	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.05	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.28	10.81	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.79	10.81	1.091	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.92	9.05	0.544	ok	0.542	0.482-0.602
Dibromochloromethane	13.76	15.14	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.97	9.05	0.881	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.05	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.81	1.142	ok	1.140	1.080-1.200
m-Dichlorobenzene	18.32	15.14	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.14	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.14	1.215	ok	1.215	1.155-1.275

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
trans-1,3-Dichloropropene	12.86	10.81	1.190	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.09	9.05	1.004	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.81	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.86	9.05	1.090	ok	1.090	1.030-1.150
Ethylbenzene	15.57	15.14	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.15	9.05	1.011	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.14	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.05	0.812	ok	0.812	0.752-0.872
Freon 114	5.16	9.05	0.570	ok	0.569	0.509-0.629
Freon 123	6.24	9.05	0.690	ok	0.688	0.628-0.748
Freon 123A	6.28	9.05	0.694	ok	0.693	0.633-0.753
Heptane	11.75	10.81	1.087	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.14	1.399	ok	1.399	1.339-1.459
Hexane	9.05	9.05	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.68	15.14	0.904	ok	0.900	0.840-0.960
Iodomethane	7.00	9.05	0.773	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.14	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.92	9.05	0.765	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.14	1.229	ok	1.229	1.169-1.289
Methyl ethyl ketone	8.59	9.05	0.949	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.50	10.81	1.156	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.25	9.05	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.76	10.81	1.088	ok	1.083	1.023-1.143
Nonane	16.45	15.14	1.087	ok	1.087	1.027-1.147
Octane	14.27	15.14	0.943	ok	0.943	0.883-1.003
n-Propylbenzene	17.45	15.14	1.153	ok	1.153	1.093-1.213
Propylene	4.85	9.05	0.536	ok	0.534	0.474-0.594
Styrene	16.15	15.14	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.08	9.05	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.14	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.14	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.81	1.206	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.14	1.366	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.42	15.14	1.085	ok	1.084	1.024-1.144

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	18.13	15.14	1.197	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.14	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.51	10.81	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.47	9.05	0.825	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.14	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.79	9.05	1.082	ok	1.069	1.009-1.129
Toluene	13.31	10.81	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.50	10.81	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.05	0.716	ok	0.715	0.655-0.775
Vinyl chloride	5.28	9.05	0.583	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.05	0.915	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.14	1.041	ok	1.041	0.981-1.101
o-Xylene	16.27	15.14	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.78	9.05	0.749	ok	0.748	0.688-0.808

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05	ok	9.05	8.72-9.38	73271	ok	73954	44372-103536
1,4-Difluorobenzene	10.81	ok	10.82	10.49-11.15	364124	ok	363718	218231-509205
Chlorobenzene-D5	15.14	ok	15.13	14.80-15.46	166355	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	5.42	9.05	0.599	ok	0.597	0.537-0.657
Benzene	10.52	10.82	0.972	ok	0.972	0.912-1.032
Bromodichloromethane	11.49	10.82	1.062	ok	1.061	1.001-1.121
Bromoform	15.88	15.13	1.050	ok	1.049	0.989-1.109
Bromomethane	5.69	9.05	0.629	ok	0.625	0.565-0.685
Bromoethene	6.13	9.05	0.677	ok	0.676	0.616-0.736
n-Butane	5.45	9.05	0.602	ok	0.601	0.541-0.661
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.45	9.05	0.823	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chloroethane	5.83	9.05	0.644	ok	0.641	0.581-0.701
Chloroform	9.15	9.05	1.011	ok	1.013	0.953-1.073
Chloromethane	5.09	9.05	0.562	ok	0.560	0.500-0.620
3-Chloropropene	7.26	9.05	0.802	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.13	1.152	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.05	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.82	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.15	9.05	0.901	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.04	9.05	0.778	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.02	15.13	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.86	9.05	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
Dichlorodifluoromethane	4.92	9.05	0.544	ok	0.542	0.482-0.602
Dibromochloromethane	13.77	15.13	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.98	9.05	0.882	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.05	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.35	10.82	1.141	ok	1.140	1.080-1.200
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.78	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.13	1.216	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.86	10.82	1.189	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.10	9.05	1.006	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,4-Dimethylpentane	9.87	9.05	1.091	ok	1.090	1.030-1.150
Ethylbenzene	15.57	15.13	1.029	ok	1.028	0.968-1.088
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.36	9.05	0.813	ok	0.812	0.752-0.872
Freon 114	5.16	9.05	0.570	ok	0.569	0.509-0.629
Freon 123	6.25	9.05	0.691	ok	0.688	0.628-0.748
Freon 123A	6.29	9.05	0.695	ok	0.693	0.633-0.753
Heptane	11.75	10.82	1.086	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.18	15.13	1.400	ok	1.399	1.339-1.459
Hexane	9.06	9.05	1.001	ok	1.000	0.940-1.060
Iodomethane	7.01	9.05	0.775	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Methyl Tert Butyl Ether	8.28	9.05	0.915	ok	0.910	0.850-0.970
Methylmethacrylate	11.77	10.82	1.088	ok	1.083	1.023-1.143
Nonane	16.46	15.13	1.088	ok	1.087	1.027-1.147
Octane	14.27	15.13	0.943	ok	0.943	0.883-1.003
n-Propylbenzene	17.45	15.13	1.153	ok	1.153	1.093-1.213
Styrene	16.16	15.13	1.068	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.08	9.05	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.17	15.13	1.003	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.28	15.13	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.06	10.82	1.207	ok	1.205	1.145-1.265
1,2,4-Trimethylbenzene	18.14	15.13	1.199	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.52	10.82	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.54	9.05	0.833	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.13	0.956	ok	0.956	0.896-1.016
Toluene	13.32	10.82	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.50	10.82	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.48	9.05	0.716	ok	0.715	0.655-0.775
Vinyl chloride	5.29	9.05	0.585	ok	0.582	0.522-0.642
m,p-Xylene	15.76	15.13	1.042	ok	1.041	0.981-1.101
o-Xylene	16.27	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.77	9.05	0.748	ok	0.748	0.688-0.808

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05	ok	9.05	8.72-9.38	72808	ok	73954	44372-103536
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	360129	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	163966	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80		15.13	1.375	ok	1.375	1.315-1.435

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.05	ok	9.05	8.72-9.38	73756	ok	73954	44372-103536
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	365681	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	168592	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.14	1.374 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04 ok	9.05	8.72-9.38	73736 ok	73954	44372-103536
1,4-Difluorobenzene	10.81 ok	10.82	10.49-11.15	364640 ok	363718	218231-509205
Chlorobenzene-D5	15.14 ok	15.13	14.80-15.46	165834 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.38	9.08	0.703	ok	0.707	0.647-0.767
Acrolein	6.25	9.08	0.688	ok	0.693	0.633-0.753
1,3-Butadiene	5.39	9.08	0.594	ok	0.597	0.537-0.657
Benzene	10.54	10.86	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.51	10.86	1.060	ok	1.061	1.001-1.121
Bromoform	15.90	15.15	1.050	ok	1.049	0.989-1.109
Bromomethane	5.65	9.08	0.622	ok	0.625	0.565-0.685
Bromoethene	6.11	9.08	0.673	ok	0.676	0.616-0.736
n-Butane	5.44	9.08	0.599	ok	0.601	0.541-0.661
Benzyl Chloride	18.31	15.15	1.209	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.15	1.259	ok	1.260	1.200-1.320
sec-Butylbenzene	18.44	15.15	1.217	ok	1.217	1.157-1.277
tert-Butylbenzene	18.14	15.15	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.43	9.08	0.818	ok	0.821	0.761-0.881
Chlorobenzene	15.20	15.15	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.80	9.08	0.529	ok	0.530	0.470-0.590
Chloroethane	5.80	9.08	0.639	ok	0.641	0.581-0.701
Chloroform	9.21	9.08	1.014	ok	1.013	0.953-1.073
Chloromethane	5.06	9.08	0.557	ok	0.560	0.500-0.620
3-Chloropropene	7.25	9.08	0.798	ok	0.800	0.740-0.860
2-Chlorotoluene	17.43	15.15	1.150	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.08	1.175	ok	1.177	1.117-1.237
Cyclohexane	10.78	10.86	0.993	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.16	9.08	0.899	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.03	9.08	0.774	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.04	15.15	0.927	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.89	9.08	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.32	10.86	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.60	10.86	1.068	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.90	9.08	0.540	ok	0.542	0.482-0.602
Dibromochloromethane	13.79	15.15	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.96	9.08	0.877	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.90	9.08	0.980	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.36	10.86	1.138	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.33	15.15	1.210	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.79	15.15	1.240	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.40	15.15	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.87	10.86	1.185	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.09	9.08	1.001	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.99	10.86	1.012	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.89	9.08	1.089	ok	1.090	1.030-1.150
Ethanol	6.07	9.08	0.669	ok	0.676	0.616-0.736
Ethylbenzene	15.58	15.15	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.14	9.08	1.007	ok	1.008	0.948-1.068
4-Ethyltoluene	17.61	15.15	1.162	ok	1.163	1.103-1.223
Freon 113	7.35	9.08	0.809	ok	0.812	0.752-0.872
Freon 114	5.15	9.08	0.567	ok	0.569	0.509-0.629
Freon 123	6.22	9.08	0.685	ok	0.688	0.628-0.748
Freon 123A	6.27	9.08	0.691	ok	0.693	0.633-0.753
Heptane	11.78	10.86	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.15	1.397	ok	1.399	1.339-1.459
Hexane	9.06	9.08	0.998	ok	1.000	0.940-1.060
2-Hexanone	13.61	15.15	0.898	ok	0.900	0.840-0.960
Iodomethane	6.99	9.08	0.770	ok	0.772	0.712-0.832
Isopropylbenzene	16.91	15.15	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.73	9.08	0.741	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.61	15.15	1.228	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.08	0.786	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.58	9.08	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.43	10.86	1.145	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.08	0.906	ok	0.910	0.850-0.970
Methylmethacrylate	11.71	10.86	1.078	ok	1.083	1.023-1.143
Nonane	16.47	15.15	1.087	ok	1.087	1.027-1.147
Octane	14.28	15.15	0.943	ok	0.943	0.883-1.003
Pentane	6.77	9.08	0.746	ok	0.748	0.688-0.808
n-Propylbenzene	17.45	15.15	1.152	ok	1.153	1.093-1.213
Propylene	4.83	9.08	0.532	ok	0.534	0.474-0.594
Styrene	16.17	15.15	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.11	9.08	1.113	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.18	15.15	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.29	15.15	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.07	10.86	1.203	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.68	15.15	1.365	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.43	15.15	1.084	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.15	15.15	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.69	15.15	1.168	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.54	10.86	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.28	9.08	0.802	ok	0.812	0.752-0.872
Tetrachloroethylene	14.48	15.15	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.62	9.08	1.059	ok	1.069	1.009-1.129
Toluene	13.33	10.86	1.227	ok	1.230	1.170-1.290
Trichloroethylene	11.53	10.86	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.47	9.08	0.713	ok	0.715	0.655-0.775
Vinyl chloride	5.26	9.08	0.579	ok	0.582	0.522-0.642
Vinyl Acetate	8.29	9.08	0.913	ok	0.914	0.854-0.974
m,p-Xylene	15.78	15.15	1.042	ok	1.041	0.981-1.101
o-Xylene	16.29	15.15	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.77	9.08	0.746	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.78	10.86	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.08	ok	9.05	8.72-9.38	72511	ok	73954	44372-103536
1,4-Difluorobenzene	10.86	ok	10.82	10.49-11.15	347028	ok	363718	218231-509205
Chlorobenzene-D5	15.15	ok	15.13	14.80-15.46	201014	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.12	1.376 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03 ok	9.05	8.72-9.38	75091 ok	73954	44372-103536
1,4-Difluorobenzene	10.80 ok	10.82	10.49-11.15	366443 ok	363718	218231-509205
Chlorobenzene-D5	15.12 ok	15.13	14.80-15.46	164229 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.82	15.13	1.376 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03 ok	9.05	8.72-9.38	78406 ok	73954	44372-103536
1,4-Difluorobenzene	10.80 ok	10.82	10.49-11.15	387099 ok	363718	218231-509205
Chlorobenzene-D5	15.13 ok	15.13	14.80-15.46	176617 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

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VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.13	1.375 ok	1.375	1.315-1.435

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04 ok	9.05	8.72-9.38	74550 ok	73954	44372-103536
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	358742 ok	363718	218231-509205
Chlorobenzene-D5	15.13 ok	15.13	14.80-15.46	161859 ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80		15.12	1.376	ok	1.375	1.315-1.435

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03	ok	9.05	8.72-9.38	70791	ok	73954	44372-103536
1,4-Difluorobenzene	10.80	ok	10.82	10.49-11.15	352942	ok	363718	218231-509205
Chlorobenzene-D5	15.12	ok	15.13	14.80-15.46	161300	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
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VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.42	9.04	0.710	ok	0.707	0.647-0.767
Acrolein	6.29	9.04	0.696	ok	0.693	0.633-0.753
1,3-Butadiene	5.39	9.04	0.596	ok	0.597	0.537-0.657
Benzene	10.51	10.82	0.971	ok	0.972	0.912-1.032
Bromodichloromethane	11.48	10.82	1.061	ok	1.061	1.001-1.121
Bromoform	15.87	15.13	1.049	ok	1.049	0.989-1.109
Bromomethane	5.65	9.04	0.625	ok	0.625	0.565-0.685
Bromoethene	6.11	9.04	0.676	ok	0.676	0.616-0.736
n-Butane	5.43	9.04	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.13	1.210	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.13	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.42	9.04	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.79	9.04	0.530	ok	0.530	0.470-0.590
Chloroethane	5.79	9.04	0.640	ok	0.641	0.581-0.701
Chloroform	9.15	9.04	1.012	ok	1.013	0.953-1.073
Chloromethane	5.06	9.04	0.560	ok	0.560	0.500-0.620
3-Chloropropene	7.24	9.04	0.801	ok	0.800	0.740-0.860
2-Chlorotoluene	17.41	15.13	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.65	9.04	1.178	ok	1.177	1.117-1.237
Cyclohexane	10.76	10.82	0.994	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.14	9.04	0.900	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.02	9.04	0.777	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.13	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.85	9.04	1.090	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.73	10.82	1.084	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.89	9.04	0.541	ok	0.542	0.482-0.602
Dibromochloromethane	13.76	15.13	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.95	9.04	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.89	9.04	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.34	10.82	1.140	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.13	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.85	10.82	1.188	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.08	9.04	1.004	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.86	9.04	1.091	ok	1.090	1.030-1.150
Ethanol	6.23	9.04	0.689	ok	0.676	0.616-0.736
Ethylbenzene	15.57	15.13	1.029	ok	1.028	0.968-1.088
Ethyl Acetate	9.12	9.04	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.34	9.04	0.812	ok	0.812	0.752-0.872
Freon 114	5.14	9.04	0.569	ok	0.569	0.509-0.629
Freon 123	6.22	9.04	0.688	ok	0.688	0.628-0.748
Freon 123A	6.27	9.04	0.694	ok	0.693	0.633-0.753
Heptane	11.74	10.82	1.085	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.13	1.399	ok	1.399	1.339-1.459
Hexane	9.04	9.04	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.66	15.13	0.903	ok	0.900	0.840-0.960
Iodomethane	6.98	9.04	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.87	9.04	0.760	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.13	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.14	9.04	0.790	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.57	9.04	0.948	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.48	10.82	1.153	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.24	9.04	0.912	ok	0.910	0.850-0.970
Methylmethacrylate	11.74	10.82	1.085	ok	1.083	1.023-1.143
Nonane	16.46	15.13	1.088	ok	1.087	1.027-1.147
Octane	14.27	15.13	0.943	ok	0.943	0.883-1.003
Pentane	6.76	9.04	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.44	15.13	1.153	ok	1.153	1.093-1.213
Propylene	4.82	9.04	0.533	ok	0.534	0.474-0.594
Styrene	16.15	15.13	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.07	9.04	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.13	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.13	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.04	10.82	1.205	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.69	15.13	1.367	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.41	15.13	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.51	10.82	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.40	9.04	0.819	ok	0.812	0.752-0.872
Tetrachloroethylene	14.47	15.13	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.73	9.04	1.076	ok	1.069	1.009-1.129
Toluene	13.31	10.82	1.230	ok	1.230	1.170-1.290
Trichloroethylene	11.51	10.82	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.46	9.04	0.715	ok	0.715	0.655-0.775
Vinyl chloride	5.26	9.04	0.582	ok	0.582	0.522-0.642
Vinyl Acetate	8.28	9.04	0.916	ok	0.914	0.854-0.974
m,p-Xylene	15.76	15.13	1.042	ok	1.041	0.981-1.101
o-Xylene	16.27	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.76	9.04	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.74	10.82	1.085	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.04	ok	9.05	8.72-9.38	73373	ok	73954	44372-103536
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	353838	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	154802	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.40	9.03	0.709	ok	0.707	0.647-0.767
Acrolein	6.27	9.03	0.694	ok	0.693	0.633-0.753
1,3-Butadiene	5.37	9.03	0.595	ok	0.597	0.537-0.657
Benzene	10.51	10.80	0.973	ok	0.972	0.912-1.032
Bromodichloromethane	11.46	10.80	1.061	ok	1.061	1.001-1.121
Bromoform	15.87	15.13	1.049	ok	1.049	0.989-1.109
Bromomethane	5.64	9.03	0.625	ok	0.625	0.565-0.685
Bromoethene	6.10	9.03	0.676	ok	0.676	0.616-0.736
n-Butane	5.42	9.03	0.600	ok	0.601	0.541-0.661
Benzyl Chloride	18.30	15.13	1.210	ok	1.209	1.149-1.269
n-Butylbenzene	19.07	15.13	1.260	ok	1.260	1.200-1.320
sec-Butylbenzene	18.43	15.13	1.218	ok	1.217	1.157-1.277
tert-Butylbenzene	18.12	15.13	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.41	9.03	0.821	ok	0.821	0.761-0.881
Chlorobenzene	15.18	15.13	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.78	9.03	0.529	ok	0.530	0.470-0.590
Chloroethane	5.79	9.03	0.641	ok	0.641	0.581-0.701
Chloroform	9.13	9.03	1.011	ok	1.013	0.953-1.073
Chloromethane	5.05	9.03	0.559	ok	0.560	0.500-0.620
3-Chloropropene	7.22	9.03	0.800	ok	0.800	0.740-0.860
2-Chlorotoluene	17.41	15.13	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.63	9.03	1.177	ok	1.177	1.117-1.237
Cyclohexane	10.75	10.80	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	8.12	9.03	0.899	ok	0.900	0.840-0.960
1,1-Dichloroethylene	7.01	9.03	0.776	ok	0.777	0.717-0.837
1,2-Dibromoethane	14.01	15.13	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.83	9.03	1.089	ok	1.089	1.029-1.149
1,2-Dichloropropane	11.27	10.80	1.044	ok	1.043	0.983-1.103
1,4-Dioxane	11.74	10.80	1.087	ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.88	9.03	0.540	ok	0.542	0.482-0.602
Dibromochloromethane	13.75	15.13	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	7.94	9.03	0.879	ok	0.879	0.819-0.939
cis-1,2-Dichloroethylene	8.87	9.03	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.33	10.80	1.142	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.32	15.13	1.211	ok	1.210	1.150-1.270
o-Dichlorobenzene	18.77	15.13	1.241	ok	1.240	1.180-1.300
p-Dichlorobenzene	18.39	15.13	1.215	ok	1.215	1.155-1.275
trans-1,3-Dichloropropene	12.84	10.80	1.189	ok	1.187	1.127-1.247
Di-Isopropyl ether	9.06	9.03	1.003	ok	1.003	0.943-1.063
2,3-Dimethylpentane	10.95	10.80	1.014	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.85	9.03	1.091	ok	1.090	1.030-1.150
Ethanol	6.18	9.03	0.684	ok	0.676	0.616-0.736
Ethylbenzene	15.56	15.13	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.11	9.03	1.009	ok	1.008	0.948-1.068
4-Ethyltoluene	17.60	15.13	1.163	ok	1.163	1.103-1.223
Freon 113	7.32	9.03	0.811	ok	0.812	0.752-0.872
Freon 114	5.12	9.03	0.567	ok	0.569	0.509-0.629
Freon 123	6.20	9.03	0.687	ok	0.688	0.628-0.748
Freon 123A	6.25	9.03	0.692	ok	0.693	0.633-0.753
Heptane	11.73	10.80	1.086	ok	1.085	1.025-1.145
Hexachlorobutadiene	21.17	15.13	1.399	ok	1.399	1.339-1.459
Hexane	9.03	9.03	1.000	ok	1.000	0.940-1.060
2-Hexanone	13.65	15.13	0.902	ok	0.900	0.840-0.960
Iodomethane	6.97	9.03	0.772	ok	0.772	0.712-0.832
Isopropylbenzene	16.89	15.13	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.84	9.03	0.757	ok	0.749	0.689-0.809
p-Isopropyltoluene	18.60	15.13	1.229	ok	1.229	1.169-1.289
Methylene chloride	7.12	9.03	0.788	ok	0.788	0.728-0.848
Methyl ethyl ketone	8.56	9.03	0.948	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.47	10.80	1.155	ok	1.149	1.089-1.209
Methyl Tert Butyl Ether	8.23	9.03	0.911	ok	0.910	0.850-0.970
Methylmethacrylate	11.73	10.80	1.086	ok	1.083	1.023-1.143
Nonane	16.45	15.13	1.087	ok	1.087	1.027-1.147
Octane	14.26	15.13	0.942	ok	0.943	0.883-1.003
Pentane	6.75	9.03	0.748	ok	0.748	0.688-0.808
n-Propylbenzene	17.44	15.13	1.153	ok	1.153	1.093-1.213
Propylene	4.81	9.03	0.533	ok	0.534	0.474-0.594
Styrene	16.15	15.13	1.067	ok	1.067	1.007-1.127

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1071-ICC1071	W25853.D	04/12/10 21:04	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25857.D	04/13/10 00:29	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25858.D	04/13/10 01:10	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25859.D	04/13/10 01:51	YMH	0.1	GCMSW	TO-15	
VW1071-IC1071	W25860.D	04/13/10 02:33	YMH	0.04	GCMSW	TO-15	
VW1071-IC1071	W25861.D	04/13/10 03:55	YMH	5.0	GCMSW	TO-15	
VW1071-IC1071	W25862.D	04/13/10 04:36	YMH	10	GCMSW	TO-15	
VW1071-IC1071	W25863.D	04/13/10 05:17	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25864.D	04/13/10 05:58	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25865.D	04/13/10 06:39	YMH	0.2	GCMSW	TO-15	
VW1071-IC1071	W25866.D	04/13/10 08:02	YMH	20	GCMSW	TO-15	
VW1071-IC1071	W25867.D	04/13/10 08:43	YMH	40	GCMSW	TO-15	
VW1071-IC1071	W25868.D	04/13/10 12:03	YMH	0.5	GCMSW	TO-15	
VW1071-IC1071	W25869.D	04/13/10 12:44	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	10.06	9.03	1.114	ok	1.114	1.054-1.174
1,1,1,2-Tetrachloroethane	15.16	15.13	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.27	15.13	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	13.03	10.80	1.206	ok	1.205	1.145-1.265
1,2,4-Trichlorobenzene	20.69	15.13	1.367	ok	1.366	1.306-1.426
1,2,3-Trichloropropane	16.41	15.13	1.085	ok	1.084	1.024-1.144
1,2,4-Trimethylbenzene	18.13	15.13	1.198	ok	1.198	1.138-1.258
1,3,5-Trimethylbenzene	17.68	15.13	1.169	ok	1.168	1.108-1.228
2,2,4-Trimethylpentane	11.50	10.80	1.065	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.40	9.03	0.819	ok	0.812	0.752-0.872
Tetrachloroethylene	14.46	15.13	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.72	9.03	1.076	ok	1.069	1.009-1.129
Toluene	13.30	10.80	1.231	ok	1.230	1.170-1.290
Trichloroethylene	11.49	10.80	1.064	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.45	9.03	0.714	ok	0.715	0.655-0.775
Vinyl chloride	5.25	9.03	0.581	ok	0.582	0.522-0.642
Vinyl Acetate	8.25	9.03	0.914	ok	0.914	0.854-0.974
m,p-Xylene	15.75	15.13	1.041	ok	1.041	0.981-1.101
o-Xylene	16.26	15.13	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.75	9.03	0.748	ok	0.748	0.688-0.808
TVHC As Equiv Heptane	11.73	10.80	1.086	ok	1.085	1.025-1.145

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.03	ok	9.05	8.72-9.38	69981	ok	73954	44372-103536
1,4-Difluorobenzene	10.80	ok	10.82	10.49-11.15	336533	ok	363718	218231-509205
Chlorobenzene-D5	15.13	ok	15.13	14.80-15.46	147684	ok	172269	103361-241177

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.52	9.11	0.716	ok	0.717	0.657-0.777
Acrolein	6.40	9.11	0.703	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.11	0.614	ok	0.614	0.554-0.674
Benzene	10.54	10.83	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.48	10.83	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.10	1.048	ok	1.049	0.989-1.109
Bromomethane	5.84	9.11	0.641	ok	0.641	0.581-0.701
Bromoethene	6.27	9.11	0.688	ok	0.689	0.629-0.749
n-Butane	5.63	9.11	0.618	ok	0.618	0.558-0.678
Benzyl Chloride	18.26	15.10	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.10	1.260	ok	1.261	1.201-1.321
sec-Butylbenzene	18.39	15.10	1.218	ok	1.218	1.158-1.278
tert-Butylbenzene	18.09	15.10	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.11	0.829	ok	0.829	0.769-0.889
Chlorobenzene	15.14	15.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.11	0.550	ok	0.550	0.490-0.610
Chloroethane	5.98	9.11	0.656	ok	0.657	0.597-0.717
Chloroform	9.22	9.11	1.012	ok	1.012	0.952-1.072
Chloromethane	5.27	9.11	0.578	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.11	0.807	ok	0.807	0.747-0.867
2-Chlorotoluene	17.38	15.10	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.11	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.83	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.23	9.11	0.903	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.15	9.11	0.785	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.98	15.10	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.88	9.11	1.085	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.29	10.83	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.60	10.83	1.071	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.11	9.11	0.561	ok	0.561	0.501-0.621
Dibromochloromethane	13.73	15.10	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.05	9.11	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.95	9.11	0.982	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.83	1.138	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.28	15.10	1.211	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.10	1.241	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.35	15.10	1.215	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.83	10.83	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.12	9.11	1.001	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.97	10.83	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.89	9.11	1.086	ok	1.086	1.026-1.146
Ethanol	6.14	9.11	0.674	ok	0.677	0.617-0.737
Ethylbenzene	15.52	15.10	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.15	9.11	1.004	ok	1.007	0.947-1.067
4-Ethyltoluene	17.56	15.10	1.163	ok	1.163	1.103-1.223
Freon 113	7.45	9.11	0.818	ok	0.819	0.759-0.879
Freon 114	5.35	9.11	0.587	ok	0.588	0.528-0.648
Freon 123	6.38	9.11	0.700	ok	0.701	0.641-0.761
Freon 123A	6.42	9.11	0.705	ok	0.705	0.645-0.765
Freon 152A	4.97	9.11	0.546	ok	0.546	0.486-0.606
Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.10	1.400	ok	1.400	1.340-1.460
Hexane	9.10	9.11	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.58	15.10	0.899	ok	0.902	0.842-0.962
Iodomethane	7.12	9.11	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.85	15.10	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.75	9.11	0.741	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.10	1.229	ok	1.230	1.170-1.290
Methylene chloride	7.25	9.11	0.796	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.61	9.11	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.40	10.83	1.145	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.31	9.11	0.912	ok	0.914	0.854-0.974
Methylmethacrylate	11.69	10.83	1.079	ok	1.081	1.021-1.141
Nonane	16.41	15.10	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.10	0.942	ok	0.942	0.882-1.002
Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
n-Propylbenzene	17.40	15.10	1.152	ok	1.153	1.093-1.213
Propylene	5.04	9.11	0.553	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.11	15.10	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.11	9.11	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.12	15.10	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.24	15.10	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.02	10.83	1.202	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.64	15.10	1.367	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.37	15.10	1.084	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.10	15.10	1.199	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.64	15.10	1.168	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.51	10.83	1.063	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.27	9.11	0.798	ok	0.804	0.744-0.864
Tetrachloroethylene	14.43	15.10	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.66	9.11	1.060	ok	1.067	1.007-1.127
Toluene	13.29	10.83	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.51	10.83	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.11	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.11	0.599	ok	0.600	0.540-0.660
Vinyl Acetate	8.34	9.11	0.915	ok	0.916	0.856-0.976
m,p-Xylene	15.71	15.10	1.040	ok	1.041	0.981-1.101
o-Xylene	16.22	15.10	1.074	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.11	ok	9.10	8.77-9.43	126455	ok	125437	75262-175612
1,4-Difluorobenzene	10.83	ok	10.82	10.49-11.15	610330	ok	606568	363941-849195
Chlorobenzene-D5	15.10	ok	15.09	14.76-15.42	278032	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.55	9.10	0.720	ok	0.717	0.657-0.777
Acrolein	6.41	9.10	0.704	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.10	0.614	ok	0.614	0.554-0.674
Benzene	10.53	10.82	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.47	10.82	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.09	1.049	ok	1.049	0.989-1.109
Bromomethane	5.84	9.10	0.642	ok	0.641	0.581-0.701
Bromoethene	6.28	9.10	0.690	ok	0.689	0.629-0.749
n-Butane	5.63	9.10	0.619	ok	0.618	0.558-0.678
Benzyl Chloride	18.26	15.09	1.210	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.09	1.261	ok	1.261	1.201-1.321
sec-Butylbenzene	18.38	15.09	1.218	ok	1.218	1.158-1.278
tert-Butylbenzene	18.08	15.09	1.198	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.10	0.830	ok	0.829	0.769-0.889
Chlorobenzene	15.14	15.09	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.10	0.551	ok	0.550	0.490-0.610
Chloroethane	5.98	9.10	0.657	ok	0.657	0.597-0.717
Chloroform	9.21	9.10	1.012	ok	1.012	0.952-1.072
Chloromethane	5.27	9.10	0.579	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.10	0.808	ok	0.807	0.747-0.867
2-Chlorotoluene	17.37	15.09	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.10	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.82	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.23	9.10	0.904	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.16	9.10	0.787	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.98	15.09	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.88	9.10	1.086	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.74	10.82	1.085	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.10	9.10	0.560	ok	0.561	0.501-0.621
Dibromochloromethane	13.73	15.09	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.05	9.10	0.885	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.96	9.10	0.985	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.82	1.139	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.28	15.09	1.211	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.09	1.242	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.35	15.09	1.216	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.83	10.82	1.186	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.13	9.10	1.003	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.10	1.086	ok	1.086	1.026-1.146
Ethanol	6.21	9.10	0.682	ok	0.677	0.617-0.737
Ethylbenzene	15.52	15.09	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.18	9.10	1.009	ok	1.007	0.947-1.067
4-Ethyltoluene	17.55	15.09	1.163	ok	1.163	1.103-1.223
Freon 113	7.45	9.10	0.819	ok	0.819	0.759-0.879
Freon 114	5.35	9.10	0.588	ok	0.588	0.528-0.648
Freon 123	6.38	9.10	0.701	ok	0.701	0.641-0.761
Freon 123A	6.43	9.10	0.707	ok	0.705	0.645-0.765
Freon 152A	4.96	9.10	0.545	ok	0.546	0.486-0.606
Heptane	11.73	10.82	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.09	1.401	ok	1.400	1.340-1.460
Hexane	9.10	9.10	1.000	ok	0.999	0.939-1.059
2-Hexanone	13.63	15.09	0.903	ok	0.902	0.842-0.962
Iodomethane	7.12	9.10	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.85	15.09	1.117	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.85	9.10	0.753	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.09	1.230	ok	1.230	1.170-1.290
Methylene chloride	7.26	9.10	0.798	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.66	9.10	0.952	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.45	10.82	1.151	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.33	9.10	0.915	ok	0.914	0.854-0.974
Methylmethacrylate	11.70	10.82	1.081	ok	1.081	1.021-1.141
Nonane	16.40	15.09	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.09	0.942	ok	0.942	0.882-1.002
Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
n-Propylbenzene	17.39	15.09	1.152	ok	1.153	1.093-1.213
Propylene	5.04	9.10	0.554	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.11	15.09	1.068	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.11	9.10	1.111	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.11	15.09	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.23	15.09	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.02	10.82	1.203	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.66	15.09	1.369	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.37	15.09	1.085	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.10	15.09	1.199	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.64	15.09	1.169	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.51	10.82	1.064	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.38	9.10	0.811	ok	0.804	0.744-0.864
Tetrachloroethylene	14.43	15.09	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.74	9.10	1.070	ok	1.067	1.007-1.127
Toluene	13.29	10.82	1.228	ok	1.227	1.167-1.287
Trichloroethylene	11.50	10.82	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.10	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.10	0.600	ok	0.600	0.540-0.660
Vinyl Acetate	8.34	9.10	0.916	ok	0.916	0.856-0.976
m,p-Xylene	15.70	15.09	1.040	ok	1.041	0.981-1.101
o-Xylene	16.22	15.09	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.73	10.82	1.084	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	125560	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	616026	ok	606568	363941-849195
Chlorobenzene-D5	15.09	ok	15.09	14.76-15.42	249525	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.53	9.11	0.717	ok	0.717	0.657-0.777
Acrolein	6.40	9.11	0.703	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.11	0.614	ok	0.614	0.554-0.674
Benzene	10.54	10.83	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.48	10.83	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.10	1.048	ok	1.049	0.989-1.109
Bromomethane	5.84	9.11	0.641	ok	0.641	0.581-0.701
Bromoethene	6.28	9.11	0.689	ok	0.689	0.629-0.749
n-Butane	5.63	9.11	0.618	ok	0.618	0.558-0.678
Benzyl Chloride	18.26	15.10	1.209	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.10	1.260	ok	1.261	1.201-1.321
sec-Butylbenzene	18.38	15.10	1.217	ok	1.218	1.158-1.278
tert-Butylbenzene	18.08	15.10	1.197	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.11	0.829	ok	0.829	0.769-0.889
Chlorobenzene	15.14	15.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.11	0.550	ok	0.550	0.490-0.610
Chloroethane	5.98	9.11	0.656	ok	0.657	0.597-0.717
Chloroform	9.21	9.11	1.011	ok	1.012	0.952-1.072
Chloromethane	5.27	9.11	0.578	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.11	0.807	ok	0.807	0.747-0.867
2-Chlorotoluene	17.38	15.10	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.11	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.83	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.23	9.11	0.903	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.16	9.11	0.786	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.98	15.10	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.88	9.11	1.085	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.29	10.83	1.042	ok	1.043	0.983-1.103
1,4-Dioxane	11.62	10.83	1.073	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.11	9.11	0.561	ok	0.561	0.501-0.621
Dibromochloromethane	13.73	15.10	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.05	9.11	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.95	9.11	0.982	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.83	1.138	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.28	15.10	1.211	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.10	1.241	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.35	15.10	1.215	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.83	10.83	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.12	9.11	1.001	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.96	10.83	1.012	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.89	9.11	1.086	ok	1.086	1.026-1.146
Ethanol	6.17	9.11	0.677	ok	0.677	0.617-0.737
Ethylbenzene	15.52	15.10	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.16	9.11	1.005	ok	1.007	0.947-1.067
4-Ethyltoluene	17.55	15.10	1.162	ok	1.163	1.103-1.223
Freon 113	7.46	9.11	0.819	ok	0.819	0.759-0.879
Freon 114	5.35	9.11	0.587	ok	0.588	0.528-0.648
Freon 123	6.38	9.11	0.700	ok	0.701	0.641-0.761
Freon 123A	6.43	9.11	0.706	ok	0.705	0.645-0.765
Freon 152A	4.97	9.11	0.546	ok	0.546	0.486-0.606
Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.10	1.400	ok	1.400	1.340-1.460
Hexane	9.10	9.11	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.59	15.10	0.900	ok	0.902	0.842-0.962
Iodomethane	7.12	9.11	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.85	15.10	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.77	9.11	0.743	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.10	1.229	ok	1.230	1.170-1.290
Methylene chloride	7.26	9.11	0.797	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.62	9.11	0.946	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.40	10.83	1.145	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.31	9.11	0.912	ok	0.914	0.854-0.974
Methylmethacrylate	11.69	10.83	1.079	ok	1.081	1.021-1.141
Nonane	16.41	15.10	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.10	0.942	ok	0.942	0.882-1.002
Pentane	6.91	9.11	0.759	ok	0.758	0.698-0.818
n-Propylbenzene	17.39	15.10	1.152	ok	1.153	1.093-1.213
Propylene	5.04	9.11	0.553	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.11	15.10	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.11	9.11	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.12	15.10	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.23	15.10	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.01	10.83	1.201	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.64	15.10	1.367	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.37	15.10	1.084	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.09	15.10	1.198	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.64	15.10	1.168	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.51	10.83	1.063	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.29	9.11	0.800	ok	0.804	0.744-0.864
Tetrachloroethylene	14.43	15.10	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.68	9.11	1.063	ok	1.067	1.007-1.127
Toluene	13.29	10.83	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.51	10.83	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.11	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.11	0.599	ok	0.600	0.540-0.660
Vinyl Acetate	8.34	9.11	0.915	ok	0.916	0.856-0.976
m,p-Xylene	15.71	15.10	1.040	ok	1.041	0.981-1.101
o-Xylene	16.22	15.10	1.074	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.11	ok	9.10	8.77-9.43	131325	ok	125437	75262-175612
1,4-Difluorobenzene	10.83	ok	10.82	10.49-11.15	633013	ok	606568	363941-849195
Chlorobenzene-D5	15.10	ok	15.09	14.76-15.42	275674	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.52	9.11	0.716	ok	0.717	0.657-0.777
Acrolein	6.39	9.11	0.701	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.11	0.614	ok	0.614	0.554-0.674
Benzene	10.54	10.83	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.48	10.83	1.060	ok	1.060	1.000-1.120
Bromoform	15.85	15.10	1.050	ok	1.049	0.989-1.109
Bromomethane	5.83	9.11	0.640	ok	0.641	0.581-0.701
Bromoethene	6.27	9.11	0.688	ok	0.689	0.629-0.749
n-Butane	5.63	9.11	0.618	ok	0.618	0.558-0.678
Benzyl Chloride	18.27	15.10	1.210	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.10	1.260	ok	1.261	1.201-1.321
sec-Butylbenzene	18.39	15.10	1.218	ok	1.218	1.158-1.278
tert-Butylbenzene	18.10	15.10	1.199	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.11	0.829	ok	0.829	0.769-0.889
Chlorobenzene	15.14	15.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.11	0.550	ok	0.550	0.490-0.610
Chloroethane	5.98	9.11	0.656	ok	0.657	0.597-0.717
Chloroform	9.22	9.11	1.012	ok	1.012	0.952-1.072
Chloromethane	5.26	9.11	0.577	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.11	0.807	ok	0.807	0.747-0.867
2-Chlorotoluene	17.38	15.10	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.11	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.83	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.23	9.11	0.903	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.16	9.11	0.786	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.99	15.10	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.89	9.11	1.086	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.30	10.83	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.83	1.069	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.11	9.11	0.561	ok	0.561	0.501-0.621
Dibromochloromethane	13.74	15.10	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.05	9.11	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.95	9.11	0.982	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.83	1.138	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.28	15.10	1.211	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.10	1.241	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.36	15.10	1.216	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.83	10.83	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.12	9.11	1.001	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.97	10.83	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.89	9.11	1.086	ok	1.086	1.026-1.146
Ethanol	6.14	9.11	0.674	ok	0.677	0.617-0.737
Ethylbenzene	15.53	15.10	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.16	9.11	1.005	ok	1.007	0.947-1.067
4-Ethyltoluene	17.57	15.10	1.164	ok	1.163	1.103-1.223
Freon 113	7.46	9.11	0.819	ok	0.819	0.759-0.879
Freon 114	5.35	9.11	0.587	ok	0.588	0.528-0.648
Freon 123	6.38	9.11	0.700	ok	0.701	0.641-0.761
Freon 123A	6.42	9.11	0.705	ok	0.705	0.645-0.765
Freon 152A	4.96	9.11	0.544	ok	0.546	0.486-0.606
Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.10	1.400	ok	1.400	1.340-1.460
Hexane	9.10	9.11	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.58	15.10	0.899	ok	0.902	0.842-0.962
Iodomethane	7.12	9.11	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.85	15.10	1.116	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.75	9.11	0.741	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.10	1.229	ok	1.230	1.170-1.290
Methylene chloride	7.25	9.11	0.796	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.61	9.11	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.40	10.83	1.145	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.30	9.11	0.911	ok	0.914	0.854-0.974
Methylmethacrylate	11.69	10.83	1.079	ok	1.081	1.021-1.141
Nonane	16.41	15.10	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.10	0.942	ok	0.942	0.882-1.002
Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
n-Propylbenzene	17.41	15.10	1.153	ok	1.153	1.093-1.213
Propylene	5.04	9.11	0.553	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.11	15.10	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.11	9.11	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.13	15.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.24	15.10	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.02	10.83	1.202	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.64	15.10	1.367	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.38	15.10	1.085	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.10	15.10	1.199	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.64	15.10	1.168	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.51	10.83	1.063	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.27	9.11	0.798	ok	0.804	0.744-0.864
Tetrachloroethylene	14.43	15.10	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.66	9.11	1.060	ok	1.067	1.007-1.127
Toluene	13.29	10.83	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.51	10.83	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.11	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.11	0.599	ok	0.600	0.540-0.660
Vinyl Acetate	8.34	9.11	0.915	ok	0.916	0.856-0.976
m,p-Xylene	15.72	15.10	1.041	ok	1.041	0.981-1.101
o-Xylene	16.23	15.10	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.11	ok	9.10	8.77-9.43	127993	ok	125437	75262-175612
1,4-Difluorobenzene	10.83	ok	10.82	10.49-11.15	614756	ok	606568	363941-849195
Chlorobenzene-D5	15.10	ok	15.09	14.76-15.42	299827	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.55	9.10	0.720	ok	0.717	0.657-0.777
Acrolein	6.39	9.10	0.702	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.10	0.614	ok	0.614	0.554-0.674
Benzene	10.52	10.82	0.972	ok	0.973	0.913-1.033
Bromodichloromethane	11.47	10.82	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.08	1.050	ok	1.049	0.989-1.109
Bromomethane	5.84	9.10	0.642	ok	0.641	0.581-0.701
Bromoethene	6.28	9.10	0.690	ok	0.689	0.629-0.749
n-Butane	5.62	9.10	0.618	ok	0.618	0.558-0.678
sec-Butylbenzene	18.39	15.08	1.219	ok	1.218	1.158-1.278
tert-Butylbenzene	18.08	15.08	1.199	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.10	0.830	ok	0.829	0.769-0.889
Chlorobenzene	15.13	15.08	1.003	ok	1.003	0.943-1.063
Chloroethane	5.98	9.10	0.657	ok	0.657	0.597-0.717
Chloroform	9.20	9.10	1.011	ok	1.012	0.952-1.072
Chloromethane	5.26	9.10	0.578	ok	0.579	0.519-0.639
3-Chloropropene	7.36	9.10	0.809	ok	0.807	0.747-0.867
2-Chlorotoluene	17.37	15.08	1.152	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.10	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.77	10.82	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.21	9.10	0.902	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.15	9.10	0.786	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.97	15.08	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.88	9.10	1.086	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.28	10.82	1.043	ok	1.043	0.983-1.103
Dichlorodifluoromethane	5.11	9.10	0.562	ok	0.561	0.501-0.621
Dibromochloromethane	13.72	15.08	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.04	9.10	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.93	9.10	0.981	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.82	1.139	ok	1.138	1.078-1.198
o-Dichlorobenzene	18.74	15.08	1.243	ok	1.242	1.182-1.302
trans-1,3-Dichloropropene	12.82	10.82	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.13	9.10	1.003	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,4-Dimethylpentane	9.88	9.10	1.086	ok	1.086	1.026-1.146
Ethylbenzene	15.51	15.08	1.029	ok	1.028	0.968-1.088
Ethyl Acetate	9.18	9.10	1.009	ok	1.007	0.947-1.067
4-Ethyltoluene	17.55	15.08	1.164	ok	1.163	1.103-1.223
Freon 113	7.45	9.10	0.819	ok	0.819	0.759-0.879
Freon 114	5.34	9.10	0.587	ok	0.588	0.528-0.648
Freon 123	6.37	9.10	0.700	ok	0.701	0.641-0.761
Freon 123A	6.41	9.10	0.704	ok	0.705	0.645-0.765
Freon 152A	4.98	9.10	0.547	ok	0.546	0.486-0.606
Heptane	11.72	10.82	1.083	ok	1.084	1.024-1.144
Hexane	9.09	9.10	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.66	15.08	0.906	ok	0.902	0.842-0.962
Iodomethane	7.10	9.10	0.780	ok	0.782	0.722-0.842
Isopropylbenzene	16.84	15.08	1.117	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.84	9.10	0.752	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.55	15.08	1.230	ok	1.230	1.170-1.290
Methyl ethyl ketone	8.64	9.10	0.949	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.47	10.82	1.152	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.33	9.10	0.915	ok	0.914	0.854-0.974
Methylmethacrylate	11.70	10.82	1.081	ok	1.081	1.021-1.141
Nonane	16.40	15.08	1.088	ok	1.087	1.027-1.147
Octane	14.22	15.08	0.943	ok	0.942	0.882-1.002
Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
n-Propylbenzene	17.39	15.08	1.153	ok	1.153	1.093-1.213
Propylene	5.04	9.10	0.554	ok	0.553	0.493-0.613
Styrene	16.10	15.08	1.068	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.10	9.10	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.11	15.08	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.22	15.08	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.01	10.82	1.202	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.72	15.08	1.374	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.36	15.08	1.085	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.09	15.08	1.200	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.63	15.08	1.169	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,2,4-Trimethylpentane	11.49	10.82	1.062	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.37	9.10	0.810	ok	0.804	0.744-0.864
Tetrachloroethylene	14.42	15.08	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.75	9.10	1.071	ok	1.067	1.007-1.127
Toluene	13.28	10.82	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.49	10.82	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.10	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.10	0.600	ok	0.600	0.540-0.660
Vinyl Acetate	8.35	9.10	0.918	ok	0.916	0.856-0.976
m,p-Xylene	15.71	15.08	1.042	ok	1.041	0.981-1.101
o-Xylene	16.22	15.08	1.076	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.72	10.82	1.083	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	127091	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	624372	ok	606568	363941-849195
Chlorobenzene-D5	15.08	ok	15.09	14.76-15.42	250773	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	6.41	9.10	0.704	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.10	0.614	ok	0.614	0.554-0.674
Benzene	10.53	10.82	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.47	10.82	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.09	1.049	ok	1.049	0.989-1.109
Bromomethane	5.84	9.10	0.642	ok	0.641	0.581-0.701
Bromoethene	6.27	9.10	0.689	ok	0.689	0.629-0.749
sec-Butylbenzene	18.38	15.09	1.218	ok	1.218	1.158-1.278
tert-Butylbenzene	18.09	15.09	1.199	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.10	0.830	ok	0.829	0.769-0.889
Chlorobenzene	15.14	15.09	1.003	ok	1.003	0.943-1.063
Chloroethane	5.98	9.10	0.657	ok	0.657	0.597-0.717
Chloroform	9.20	9.10	1.011	ok	1.012	0.952-1.072
Chloromethane	5.27	9.10	0.579	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.10	0.808	ok	0.807	0.747-0.867
2-Chlorotoluene	17.37	15.09	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.10	1.171	ok	1.171	1.111-1.231
1,1-Dichloroethane	8.22	9.10	0.903	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.17	9.10	0.788	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.98	15.09	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.88	9.10	1.086	ok	1.085	1.025-1.145
Dichlorodifluoromethane	5.11	9.10	0.562	ok	0.561	0.501-0.621
Dibromochloromethane	13.72	15.09	0.909	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.04	9.10	0.884	ok	0.884	0.824-0.944
cis-1,3-Dichloropropene	12.32	10.82	1.139	ok	1.138	1.078-1.198
o-Dichlorobenzene	18.75	15.09	1.243	ok	1.242	1.182-1.302
trans-1,3-Dichloropropene	12.83	10.82	1.186	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.15	9.10	1.005	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.10	1.086	ok	1.086	1.026-1.146
Ethylbenzene	15.52	15.09	1.028	ok	1.028	0.968-1.088
4-Ethyltoluene	17.56	15.09	1.164	ok	1.163	1.103-1.223
Freon 113	7.45	9.10	0.819	ok	0.819	0.759-0.879
Freon 114	5.36	9.10	0.589	ok	0.588	0.528-0.648

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 123	6.38	9.10	0.701	ok	0.701	0.641-0.761
Freon 123A	6.42	9.10	0.705	ok	0.705	0.645-0.765
Heptane	11.73	10.82	1.084	ok	1.084	1.024-1.144
Hexane	9.09	9.10	0.999	ok	0.999	0.939-1.059
Iodomethane	7.12	9.10	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.85	15.09	1.117	ok	1.116	1.056-1.176
Methyl Tert Butyl Ether	8.35	9.10	0.918	ok	0.914	0.854-0.974
Methylmethacrylate	11.72	10.82	1.083	ok	1.081	1.021-1.141
Nonane	16.41	15.09	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.09	0.942	ok	0.942	0.882-1.002
Pentane	6.91	9.10	0.759	ok	0.758	0.698-0.818
n-Propylbenzene	17.39	15.09	1.152	ok	1.153	1.093-1.213
Styrene	16.10	15.09	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.10	9.10	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.12	15.09	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.24	15.09	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.01	10.82	1.202	ok	1.202	1.142-1.262
1,2,4-Trimethylbenzene	18.09	15.09	1.199	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.64	15.09	1.169	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.50	10.82	1.063	ok	1.063	1.003-1.123
Tetrachloroethylene	14.42	15.09	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.80	9.10	1.077	ok	1.067	1.007-1.127
Toluene	13.28	10.82	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.50	10.82	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.10	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.48	9.10	0.602	ok	0.600	0.540-0.660
m,p-Xylene	15.71	15.09	1.041	ok	1.041	0.981-1.101
o-Xylene	16.21	15.09	1.074	ok	1.075	1.015-1.135

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	116393	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	568882	ok	606568	363941-849195

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Chlorobenzene-D5	15.09	ok	15.09	14.76-15.42	228783	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.77		15.08	1.377	ok	1.378	1.318-1.438

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	128081	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	632681	ok	606568	363941-849195
Chlorobenzene-D5	15.08	ok	15.09	14.76-15.42	253985	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.77	15.08	1.377 ok	1.378	1.318-1.438

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10 ok	9.10	8.77-9.43	120006 ok	125437	75262-175612
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	594416 ok	606568	363941-849195
Chlorobenzene-D5	15.08 ok	15.09	14.76-15.42	242408 ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.51	9.11	0.715	ok	0.717	0.657-0.777
Acrolein	6.38	9.11	0.700	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.11	0.614	ok	0.614	0.554-0.674
Benzene	10.54	10.83	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.49	10.83	1.061	ok	1.060	1.000-1.120
Bromoform	15.85	15.10	1.050	ok	1.049	0.989-1.109
Bromomethane	5.83	9.11	0.640	ok	0.641	0.581-0.701
Bromoethene	6.27	9.11	0.688	ok	0.689	0.629-0.749
n-Butane	5.63	9.11	0.618	ok	0.618	0.558-0.678
Benzyl Chloride	18.27	15.10	1.210	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.10	1.260	ok	1.261	1.201-1.321
sec-Butylbenzene	18.39	15.10	1.218	ok	1.218	1.158-1.278
tert-Butylbenzene	18.10	15.10	1.199	ok	1.198	1.138-1.258
Carbon disulfide	7.55	9.11	0.829	ok	0.829	0.769-0.889
Chlorobenzene	15.15	15.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.11	0.550	ok	0.550	0.490-0.610
Chloroethane	5.98	9.11	0.656	ok	0.657	0.597-0.717
Chloroform	9.23	9.11	1.013	ok	1.012	0.952-1.072
Chloromethane	5.27	9.11	0.578	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.11	0.807	ok	0.807	0.747-0.867
2-Chlorotoluene	17.38	15.10	1.151	ok	1.151	1.091-1.211
Carbon tetrachloride	10.67	9.11	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.83	0.995	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.23	9.11	0.903	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.16	9.11	0.786	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.99	15.10	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.89	9.11	1.086	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.30	10.83	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.58	10.83	1.069	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.11	9.11	0.561	ok	0.561	0.501-0.621
Dibromochloromethane	13.74	15.10	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.05	9.11	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.96	9.11	0.984	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.83	1.138	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.28	15.10	1.211	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.10	1.241	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.36	15.10	1.216	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.83	10.83	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.12	9.11	1.001	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.97	10.83	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.90	9.11	1.087	ok	1.086	1.026-1.146
Ethanol	6.13	9.11	0.673	ok	0.677	0.617-0.737
Ethylbenzene	15.53	15.10	1.028	ok	1.028	0.968-1.088
Ethyl Acetate	9.16	9.11	1.005	ok	1.007	0.947-1.067
4-Ethyltoluene	17.57	15.10	1.164	ok	1.163	1.103-1.223
Freon 113	7.45	9.11	0.818	ok	0.819	0.759-0.879
Freon 114	5.35	9.11	0.587	ok	0.588	0.528-0.648
Freon 123	6.38	9.11	0.700	ok	0.701	0.641-0.761
Freon 123A	6.42	9.11	0.705	ok	0.705	0.645-0.765
Freon 152A	4.97	9.11	0.546	ok	0.546	0.486-0.606
Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.10	1.400	ok	1.400	1.340-1.460
Hexane	9.10	9.11	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.58	15.10	0.899	ok	0.902	0.842-0.962
Iodomethane	7.12	9.11	0.782	ok	0.782	0.722-0.842
Isopropylbenzene	16.86	15.10	1.117	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.74	9.11	0.740	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.10	1.229	ok	1.230	1.170-1.290
Methylene chloride	7.25	9.11	0.796	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.61	9.11	0.945	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.39	10.83	1.144	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.30	9.11	0.911	ok	0.914	0.854-0.974
Methylmethacrylate	11.69	10.83	1.079	ok	1.081	1.021-1.141
Nonane	16.41	15.10	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.10	0.942	ok	0.942	0.882-1.002
Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
n-Propylbenzene	17.41	15.10	1.153	ok	1.153	1.093-1.213
Propylene	5.04	9.11	0.553	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.11	15.10	1.067	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.11	9.11	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.13	15.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.24	15.10	1.075	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.02	10.83	1.202	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.64	15.10	1.367	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.38	15.10	1.085	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.10	15.10	1.199	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.65	15.10	1.169	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.51	10.83	1.063	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.26	9.11	0.797	ok	0.804	0.744-0.864
Tetrachloroethylene	14.43	15.10	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.65	9.11	1.059	ok	1.067	1.007-1.127
Toluene	13.29	10.83	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.51	10.83	1.063	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.11	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.46	9.11	0.599	ok	0.600	0.540-0.660
Vinyl Acetate	8.34	9.11	0.915	ok	0.916	0.856-0.976
m,p-Xylene	15.72	15.10	1.041	ok	1.041	0.981-1.101
o-Xylene	16.24	15.10	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.11	0.757	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.74	10.83	1.084	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.11	ok	9.10	8.77-9.43	138094	ok	125437	75262-175612
1,4-Difluorobenzene	10.83	ok	10.82	10.49-11.15	658593	ok	606568	363941-849195
Chlorobenzene-D5	15.10	ok	15.09	14.76-15.42	351779	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.08	1.379 ok	1.378	1.318-1.438

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10 ok	9.10	8.77-9.43	129182 ok	125437	75262-175612
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	621788 ok	606568	363941-849195
Chlorobenzene-D5	15.08 ok	15.09	14.76-15.42	245952 ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.80	15.08	1.379 ok	1.378	1.318-1.438

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10 ok	9.10	8.77-9.43	125348 ok	125437	75262-175612
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	611931 ok	606568	363941-849195
Chlorobenzene-D5	15.08 ok	15.09	14.76-15.42	241884 ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.77	15.09	1.376 ok	1.378	1.318-1.438

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10 ok	9.10	8.77-9.43	125416 ok	125437	75262-175612
1,4-Difluorobenzene	10.82 ok	10.82	10.49-11.15	604625 ok	606568	363941-849195
Chlorobenzene-D5	15.09 ok	15.09	14.76-15.42	248012 ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	Reporting this level
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Naphthalene	20.77	15.08	1.377	ok	1.378	1.318-1.438

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	117626	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	574042	ok	606568	363941-849195
Chlorobenzene-D5	15.08	ok	15.09	14.76-15.42	240755	ok	258427	155056-361798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.55	9.10	0.720	ok	0.717	0.657-0.777
Acrolein	6.40	9.10	0.703	ok	0.703	0.643-0.763
1,3-Butadiene	5.59	9.10	0.614	ok	0.614	0.554-0.674
Benzene	10.52	10.82	0.972	ok	0.973	0.913-1.033
Bromodichloromethane	11.47	10.82	1.060	ok	1.060	1.000-1.120
Bromoform	15.83	15.08	1.050	ok	1.049	0.989-1.109
Bromomethane	5.85	9.10	0.643	ok	0.641	0.581-0.701
Bromoethene	6.27	9.10	0.689	ok	0.689	0.629-0.749
n-Butane	5.63	9.10	0.619	ok	0.618	0.558-0.678
Benzyl Chloride	18.26	15.08	1.211	ok	1.210	1.150-1.270
n-Butylbenzene	19.03	15.08	1.262	ok	1.261	1.201-1.321
sec-Butylbenzene	18.38	15.08	1.219	ok	1.218	1.158-1.278
tert-Butylbenzene	18.08	15.08	1.199	ok	1.198	1.138-1.258
Carbon disulfide	7.54	9.10	0.829	ok	0.829	0.769-0.889
Chlorobenzene	15.13	15.08	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	5.01	9.10	0.551	ok	0.550	0.490-0.610
Chloroethane	5.98	9.10	0.657	ok	0.657	0.597-0.717
Chloroform	9.20	9.10	1.011	ok	1.012	0.952-1.072
Chloromethane	5.27	9.10	0.579	ok	0.579	0.519-0.639
3-Chloropropene	7.35	9.10	0.808	ok	0.807	0.747-0.867
2-Chlorotoluene	17.37	15.08	1.152	ok	1.151	1.091-1.211
Carbon tetrachloride	10.66	9.10	1.171	ok	1.171	1.111-1.231
Cyclohexane	10.78	10.82	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	8.21	9.10	0.902	ok	0.903	0.843-0.963
1,1-Dichloroethylene	7.16	9.10	0.787	ok	0.786	0.726-0.846
1,2-Dibromoethane	13.97	15.08	0.926	ok	0.926	0.866-0.986
1,2-Dichloroethane	9.87	9.10	1.085	ok	1.085	1.025-1.145
1,2-Dichloropropane	11.29	10.82	1.043	ok	1.043	0.983-1.103
1,4-Dioxane	11.79	10.82	1.090	ok	1.076	1.016-1.136
Dichlorodifluoromethane	5.11	9.10	0.562	ok	0.561	0.501-0.621
Dibromochloromethane	13.72	15.08	0.910	ok	0.910	0.850-0.970
trans-1,2-Dichloroethylene	8.04	9.10	0.884	ok	0.884	0.824-0.944
cis-1,2-Dichloroethylene	8.94	9.10	0.982	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.32	10.82	1.139	ok	1.138	1.078-1.198

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	18.27	15.08	1.212	ok	1.211	1.151-1.271
o-Dichlorobenzene	18.74	15.08	1.243	ok	1.242	1.182-1.302
p-Dichlorobenzene	18.35	15.08	1.217	ok	1.216	1.156-1.276
trans-1,3-Dichloropropene	12.82	10.82	1.185	ok	1.185	1.125-1.245
Di-Isopropyl ether	9.13	9.10	1.003	ok	1.002	0.942-1.062
2,3-Dimethylpentane	10.96	10.82	1.013	ok	1.013	0.953-1.073
2,4-Dimethylpentane	9.88	9.10	1.086	ok	1.086	1.026-1.146
Ethanol	6.18	9.10	0.679	ok	0.677	0.617-0.737
Ethylbenzene	15.51	15.08	1.029	ok	1.028	0.968-1.088
Ethyl Acetate	9.17	9.10	1.008	ok	1.007	0.947-1.067
4-Ethyltoluene	17.55	15.08	1.164	ok	1.163	1.103-1.223
Freon 113	7.45	9.10	0.819	ok	0.819	0.759-0.879
Freon 114	5.35	9.10	0.588	ok	0.588	0.528-0.648
Freon 123	6.38	9.10	0.701	ok	0.701	0.641-0.761
Freon 123A	6.41	9.10	0.704	ok	0.705	0.645-0.765
Freon 152A	4.98	9.10	0.547	ok	0.546	0.486-0.606
Heptane	11.73	10.82	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.14	15.08	1.402	ok	1.400	1.340-1.460
Hexane	9.09	9.10	0.999	ok	0.999	0.939-1.059
2-Hexanone	13.63	15.08	0.904	ok	0.902	0.842-0.962
Iodomethane	7.11	9.10	0.781	ok	0.782	0.722-0.842
Isopropylbenzene	16.84	15.08	1.117	ok	1.116	1.056-1.176
Isopropyl Alcohol	6.84	9.10	0.752	ok	0.746	0.686-0.806
p-Isopropyltoluene	18.56	15.08	1.231	ok	1.230	1.170-1.290
Methylene chloride	7.26	9.10	0.798	ok	0.797	0.737-0.857
Methyl ethyl ketone	8.64	9.10	0.949	ok	0.947	0.887-1.007
Methyl Isobutyl Ketone	12.45	10.82	1.151	ok	1.148	1.088-1.208
Methyl Tert Butyl Ether	8.32	9.10	0.914	ok	0.914	0.854-0.974
Methylmethacrylate	11.70	10.82	1.081	ok	1.081	1.021-1.141
Nonane	16.39	15.08	1.087	ok	1.087	1.027-1.147
Octane	14.22	15.08	0.943	ok	0.942	0.882-1.002
Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
n-Propylbenzene	17.39	15.08	1.153	ok	1.153	1.093-1.213
Propylene	5.04	9.10	0.554	ok	0.553	0.493-0.613

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
VW1082-ICC1082	W26143.D	05/04/10 18:38	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26144.D	05/04/10 19:19	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26145.D	05/04/10 20:41	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26147.D	05/04/10 22:03	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26149.D	05/04/10 23:25	YMH	0.1	GCMSW	TO-15	
VW1082-IC1082	W26150.D	05/05/10 00:06	YMH	0.04	GCMSW	TO-15	
VW1082-IC1082	W26151.D	05/05/10 01:28	YMH	5.0	GCMSW	TO-15	
VW1082-IC1082	W26152.D	05/05/10 02:09	YMH	10	GCMSW	TO-15	
VW1082-IC1082	W26153.D	05/05/10 02:50	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26154.D	05/05/10 03:31	YMH	0.5	GCMSW	TO-15	
VW1082-IC1082	W26155.D	05/05/10 04:12	YMH	0.2	GCMSW	TO-15	
VW1082-IC1082	W26156.D	05/05/10 05:35	YMH	20	GCMSW	TO-15	
VW1082-IC1082	W26157.D	05/05/10 06:16	YMH	40	GCMSW	TO-15	
VW1082-IC1082	W26158.D	05/05/10 10:28	YMH	0.2	GCMSW	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	16.10	15.08	1.068	ok	1.067	1.007-1.127
1,1,1-Trichloroethane	10.10	9.10	1.110	ok	1.110	1.050-1.170
1,1,1,2-Tetrachloroethane	15.11	15.08	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	16.22	15.08	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	13.00	10.82	1.201	ok	1.202	1.142-1.262
1,2,4-Trichlorobenzene	20.70	15.08	1.373	ok	1.369	1.309-1.429
1,2,3-Trichloropropane	16.36	15.08	1.085	ok	1.085	1.025-1.145
1,2,4-Trimethylbenzene	18.09	15.08	1.200	ok	1.199	1.139-1.259
1,3,5-Trimethylbenzene	17.63	15.08	1.169	ok	1.169	1.109-1.229
2,2,4-Trimethylpentane	11.50	10.82	1.063	ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	7.38	9.10	0.811	ok	0.804	0.744-0.864
Tetrachloroethylene	14.42	15.08	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.76	9.10	1.073	ok	1.067	1.007-1.127
Toluene	13.28	10.82	1.227	ok	1.227	1.167-1.287
Trichloroethylene	11.49	10.82	1.062	ok	1.063	1.003-1.123
Trichlorofluoromethane	6.62	9.10	0.727	ok	0.727	0.667-0.787
Vinyl chloride	5.47	9.10	0.601	ok	0.600	0.540-0.660
Vinyl Acetate	8.35	9.10	0.918	ok	0.916	0.856-0.976
m,p-Xylene	15.69	15.08	1.040	ok	1.041	0.981-1.101
o-Xylene	16.21	15.08	1.075	ok	1.075	1.015-1.135
TVHC As Equiv Pentane	6.90	9.10	0.758	ok	0.758	0.698-0.818
TVHC As Equiv Heptane	11.72	10.82	1.083	ok	1.084	1.024-1.144

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.10	ok	9.10	8.77-9.43	117552	ok	125437	75262-175612
1,4-Difluorobenzene	10.82	ok	10.82	10.49-11.15	526498	ok	606568	363941-849195
Chlorobenzene-D5	15.08	ok	15.09	14.76-15.42	210591	ok	258427	155056-361798

Volatile Surrogate Recovery Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JA45152-1	W26170.D	101.0
JA45152-2	W26171.D	97.0
JA45152-3	W26172.D	104.0
JA45152-4	W26173.D	102.0
JA45152-5	W26174.D	82.0
JA45152-6	W26175.D	103.0
JA45152-7	W26176.D	94.0
JA45152-8	W26177.D	97.0
JA45152-9	W26188.D	99.0
JA45152-9	W26178.D	111.0
JA45152-10	W26189.D	96.0
JA45152-10	W26179.D	110.0
JA44640-11DUP	W26169.D	97.0
JA45093-2DUP	W26192.D	95.0
V2W1124-SCC	2W26753.D	79.0
V3W649-SCC	3W16260A.D	86.0
V3W652-SCC	3W16335A.D	87.0
VW1076-SCC	W25965A.D	84.0
VW1077-SCC	W25993A.D	80.0
VW1078-SCC	W26020A.D	80.0
VW1083-BS	W26161.D	103.0
VW1083-BSD	W26162.D	106.0
VW1083-MB	W26163.D	85.0
VW1084-BS	W26183.D	112.0
VW1084-BSD	W26184.D	113.0
VW1084-MB	W26185.D	85.0
V2W1124-BS	2W26728.D	117.0
V2W1124-BSD	2W26729.D	112.0
V2W1124-MB	2W26730.D	81.0
V3W649-BS	3W16258.D	102.0
V3W649-BSD	3W16259.D	103.0
V3W649-MB	3W16260.D	86.0
V3W652-BS	3W16333.D	101.0
V3W652-BSD	3W16334.D	104.0
V3W652-MB	3W16335.D	87.0
VW1076-BS	W25963.D	105.0
VW1076-BSD	W25964.D	103.0
VW1076-MB	W25965.D	84.0
VW1077-BS	W25991.D	101.0
VW1077-BSD	W25992.D	103.0

Volatile Surrogate Recovery Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
VW1077-MB	W25993.D	80.0
VW1078-BS	W26018.D	100.0
VW1078-BSD	W26019.D	100.0
VW1078-MB	W26020.D	80.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

Response Factor Report MS2W

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:05:15 2010
Response via : Initial Calibration

Calibration Files
0.04=2W26584.D 0.1 =2W26583.D 0.2 =2W26582.D 0.5 =2W26578.D
5.0 =2W26577.D 10. =2W26579.D 20. =2W26581.D 40 =2W26585.D
2 =2W26580.D =

Compound	0.04	0.1	0.2	0.5	5.0	10.	20.	40	2	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) DICHLORODIFLUOROMETHANE	5.689	4.979	5.023	4.731	4.142	3.598	3.305	3.133	3.466	4.230	21.50
4) FREON 152A	0.720	1.265	1.084	0.972	0.872	0.759	0.761	0.812	0.625	0.874	22.93
5) CHLORODIFLUOROMETHANE	0.520	0.592	0.643	0.519	0.469	0.389	0.407	0.452	0.327	0.480	20.88
6) PROPYLENE	1.248	1.396	1.245	1.106	0.982	0.960	0.965	0.902		1.101	16.16
7) PROPANE										0.000	-1.00
8) FREON 114	5.392	5.142	4.370	3.745	3.392	3.041	3.622			4.101	21.83
9) CHLOROMETHANE	0.443	0.513	0.497	0.421	0.389	0.382	0.411	0.324		0.423	14.65
10) VINYL CHLORIDE	0.874	1.672	1.770	1.692	1.459	1.356	1.333	1.355	1.194	1.412	19.82
11) 1,3-BUTADIENE	1.177	1.420	1.341	1.234	1.144	1.026	1.033	1.077	0.862	1.146	14.94
12) n-BUTANE	3.136	3.485	2.818	2.234	2.067	1.961	1.889	2.005		2.450	24.98
13) BROMOMETHANE	1.793	2.040	1.792	1.584	1.409	1.407	1.424	1.181		1.579	17.66
14) CHLOROETHANE	0.913	0.880	0.876	0.791	0.718	0.754	0.804	0.547		0.785	14.91
15) FREON 123	3.851	4.292	4.247	4.029	2.970	2.867	2.829	2.638	2.478	3.356	21.90
16) FREON 123A	2.550	2.769	2.723	2.630	1.897	1.883	1.895	1.884	1.570	2.200	20.87
17) TRICHLOROFLUOROMETHANE	5.140	5.103	4.979	4.244	3.588	3.471	3.225	3.169		4.115	20.88
18) ISOPROPYL ALCOHOL	2.219	2.643	2.553	1.986	1.867	2.068	2.269	1.631		2.154	15.77
19) ACETONE	0.637	0.786	0.637	0.407	0.457	0.531	0.584	0.311		0.544	27.64
20) PENTANE	1.845	1.871	1.791	1.456	1.295	1.302	1.331	1.138		1.504	19.20
21) TVHC as EQUIV PENTANE										0.000	-1.00
22) ETHYL ETHER										0.000	-1.00
23) IODOMETHANE											

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

4.362 4.699 4.505 4.652 4.146 3.621 3.541 3.220 3.008 3.973 16.08

24) 1,1-DICHLOROETHYLENE
1.867 1.664 1.342 1.202 1.202 1.193 1.022 1.356 22.15

25) CARBON DISULFIDE
4.632 4.705 4.288 3.824 3.437 3.279 3.030 3.186 3.798 17.59

26) ETHANOL
0.840 0.590 0.425 0.448 0.512 0.596 0.388 0.543 28.28

27) BROMOETHENE
1.570 1.206 1.769 1.803 1.632 1.449 1.452 1.452 1.170 1.500 14.69

28) METHYLENE CHLORIDE
1.651 1.375 1.092 1.003 1.039 1.046 0.838 1.149 23.76

29) 3-CHLOROPROPENE
0.488 0.683 0.689 0.516 0.530 0.569 0.580 0.402 0.557 17.30

30) FREON 113
3.305 3.188 2.412 2.156 2.106 1.993 1.825 2.427 24.25

31) TRANS-1,2-DICHLOROETHYLENE
0.836 1.756 1.581 1.392 1.282 1.304 1.320 0.968 1.305 22.82

32) TERTIARY BUTYL ALCOHOL
3.026 2.932 2.590 2.396 2.544 2.566 1.866 2.560 14.84

33) METHYL TERTIARY BUTYL ETHER
4.611 4.177 2.800 3.099 3.278 3.143 2.198 3.329 24.56

34) TETRAHYDROFURAN
0.545 0.658 0.493 0.442 0.498 0.583 0.475 0.294 0.498 21.49

35) HEXANE
2.092 2.194 2.104 1.664 1.543 1.573 1.524 1.327 1.753 18.69

36) VINYL ACETATE
0.258 0.260 0.199 0.241 0.273 0.307 0.123 0.237 25.26

37) 1,1-DICHLOROETHANE
2.463 2.898 3.147 2.806 2.145 2.078 2.057 1.949 1.683 2.358 21.00

38) METHYL ETHYL KETONE
0.667 0.509 0.440 0.470 0.555 0.640 0.330 0.516 22.67

39) cis-1,2-DICHLOROETHYLENE
1.718 1.902 1.841 1.552 1.242 1.240 1.274 1.278 0.949 1.444 22.43

40) ETHYL ACETATE
0.250 0.296 0.192 0.262 0.224 0.274 0.306 0.124 0.241 24.94

41) CHLOROFORM
2.975 2.972 3.355 3.087 2.554 2.476 2.502 2.422 1.933 2.697 16.07

42) 2,4-DIMETHYLPENTANE
2.776 2.595 2.128 2.038 2.073 2.016 1.697 2.189 16.90

43) 1,1,1-TRICHLOROETHANE
3.899 4.009 4.075 3.729 2.982 2.821 2.786 2.596 2.350 3.250 20.69

44) CARBON TETRACHLORIDE
3.951 3.826 3.176 2.840 2.793 2.576 2.437 3.086 19.32

45) 1,2-DICHLOROETHANE
1.794 2.101 2.299 1.963 1.640 1.670 1.823 1.834 1.138 1.807 18.02

46) I 1,4-DIFLUOROBENZENE ----------ISTD----------

47) BENZENE
0.912 0.939 1.075 1.054 0.795 0.759 0.746 0.693 0.571 0.838 20.11

48) CYCLOHEXANE
0.695 0.633 0.547 0.507 0.434 0.440 0.446 0.395 0.512 20.71

49) 2,3-DIMETHYLPENTANE
0.180 0.284 0.253 0.188 0.172 0.179 0.191 0.150 0.200 22.57

50) TRICHLOROETHYLENE
0.489 0.473 0.465 0.460 0.345 0.309 0.311 0.311 0.268 0.381 23.17

51) 1,2-DICHLOROPROPANE
0.361 0.344 0.341 0.256 0.260 0.268 0.271 0.180 0.285 21.14

52) BROMODICHLOROMETHANE
0.615 0.761 0.705 0.717 0.572 0.529 0.517 0.489 0.407 0.590 20.09

53) 2,2,4-TRIMETHYLPENTANE

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

		1.432	1.608	1.578	1.694	1.254	1.097	1.013	0.856	1.025	1.284	23.69
54)	1,4-DIOXANE											
		0.181	0.216	0.197	0.153	0.142	0.159	0.186	0.100		0.166	21.85
55)	METHYL METHACRYLATE											
		0.141	0.170	0.192	0.202	0.198	0.228	0.253	0.123		0.188	22.75
56)	HEPTANE											
		0.519	0.566	0.606	0.435	0.396	0.391	0.376	0.362		0.456	20.62
57)	TVHC as EQUIV HEPTANE											
											0.000	-1.00
58)	METHYL ISOBUTYL KETONE											
		0.383	0.442	0.436	0.411	0.437	0.466	0.255			0.404	17.51
59)	cis-1,3-DICHLOROPROPENE											
		0.480	0.457	0.423	0.407	0.415	0.411	0.278			0.410	15.64
60)	TOLUENE											
		0.475	0.651	0.684	0.653	0.522	0.534	0.542	0.529	0.335	0.547	19.58
61)	trans-1,3-DICHLOROPROPENE											
		0.340	0.317	0.310	0.341	0.340	0.354	0.384	0.401	0.208	0.333	16.56
62)	1,1,2-TRICHLOROETHANE											
		0.187	0.246	0.274	0.273	0.239	0.229	0.240	0.247	0.161	0.233	15.96
63)	I CHLOROBENZENE-D5	----------ISTD----------										
64)	2-HEXANONE											
		0.322	0.364	0.465	0.479	0.510	0.524	0.247			0.416	25.42
65)	TETRACHLOROETHYLENE											
		1.116	1.195	1.199	1.397	0.985	0.894	0.787	0.659	0.767	1.000	24.39
66)	DIBROMOCHLOROMETHANE											
		1.071	1.323	1.359	1.591	1.424	1.375	1.248	1.056	0.920	1.263	16.71
67)	1,2-DIBROMOETHANE											
		0.712	0.931	1.039	1.151	1.010	0.977	0.926	0.828	0.665	0.915	17.08
68)	OCTANE											
		1.526	1.508	1.804	1.330	1.197	1.055	0.861	1.079		1.295	23.72
69)	1,1,1,2-TETRACHLOROETHANE											
		0.910	1.069	1.158	1.319	0.982	0.947	0.859	0.720	0.683	0.961	21.06
70)	CHLOROBENZENE											
		1.028	1.506	1.571	1.741	1.433	1.362	1.223	1.002	0.984	1.317	20.77
71)	ETHYLBENZENE											
		2.081	2.514	2.887	3.120	2.263	2.237	1.939	1.473	1.591	2.234	24.49
72)	m,p-XYLENE											
		0.868	0.983	1.134	1.235	0.897	0.921	0.837	0.703	0.638	0.913	20.68
73)	o-XYLENE											
		1.081	1.155	1.218	0.880	0.928	0.869	0.749	0.662		0.943	20.69
74)	STYRENE											
		0.768	0.924	0.947	1.072	1.188	1.160	1.113	0.623		0.974	20.44
75)	NONANE											
		0.972	1.079	1.301	1.422	1.170	1.096	0.962	0.783	0.888	1.075	18.74
76)	BROMOFORM											
		0.611	0.794	0.895	0.955	1.032	1.027	0.977	0.878	0.570	0.860	19.81
77)	4-BROMOFLUOROBENZENE											
		0.814	0.827	0.856	0.945	1.070	1.035	1.056	1.044	0.932	0.953	10.77
78)	1,1,2,2-TETRACHLOROETHANE											
		0.638	0.976	1.182	1.161	0.994	0.994	0.920	0.786	0.751	0.933	19.50
79)	ISOPROPYLBENZENE											
		2.143	2.802	3.489	3.549	2.472	2.463	2.059	1.486	1.858	2.480	28.26
80)	2-CHLOROTOLUENE											
		0.645	0.644	0.741	0.754	0.601	0.597	0.567	0.514	0.422	0.610	17.09
81)	n-PROPYLBENZENE											
		0.361	0.458	0.677	0.816	0.629	0.651	0.620	0.548	0.432	0.577	24.52
82)	4-ETHYLTOLUENE											
		1.281	1.699	1.749	2.128	1.875	1.932	1.717	1.286	1.302	1.663	18.58
83)	1,3,5-TRIMETHYLBENZENE											

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICC1118
Lab FileID: 2W26579.D

	1.741	1.928	2.005	1.779	1.794	1.554	1.165	1.329	1.662	17.56
84) TERT-BUTYLBENZENE										
	0.400	0.450	0.581	0.469	0.491	0.475	0.431	0.333	0.454	15.88
85) 1,2,4-TRIMETHYLBENZENE										
	1.558	1.781	1.668	1.508	1.520	1.357	1.049	1.124	1.446	17.60
86) m-DICHLOROBENZENE										
0.550	0.739	0.773	0.850	0.834	0.850	0.819	0.725	0.522	0.740	16.85
87) BENZYL CHLORIDE										
	0.739	0.894	0.834	0.775	0.855	0.895	0.809	0.544	0.793	14.42
88) p-DICHLOROBENZENE										
0.767	0.756	0.871	0.833	0.750	0.787	0.768	0.686	0.532	0.750	12.93
89) SEC-BUTYLBENZENE										
	0.410	0.544	0.637	0.523	0.544	0.513	0.446	0.372	0.499	17.10
90) p-ISOPROPYLTOLUENE										
	0.399	0.503	0.552	0.530	0.552	0.546	0.486	0.355	0.490	15.27
91) o-DICHLOROBENZENE										
0.722	0.810	0.951	0.997	0.792	0.830	0.787	0.677	0.564	0.792	16.62
92) n-BUTYLBENZENE										
	0.297	0.357	0.379	0.368	0.407	0.428	0.402	0.221	0.357	19.00
93) HEXACHLOROBUTADIENE										
	0.459	0.529	0.502	0.507	0.540	0.468	0.410	0.303	0.465	16.67
94) 1,2,4-TRICHLOROBENZENE										
		0.348	0.235	0.186	0.239	0.263	0.276	0.134	0.240	28.22
95) CHLOROBENZENE-D5(A)	----------	ISTD	----------							
96) NAPHTHALENE										
		0.447	0.694	0.387	0.550	0.827	0.944		0.641	34.14

(#) = Out of Range ### Number of calibration levels exceeded format ###

M2W1118.M Wed Apr 07 09:31:43 2010 MS2W

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:05:15 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00
2		FREON 115	0.000	0.000	0.0	0#	-5.36#
3		DICHLORODIFLUOROMETHANE	4.230	4.011	5.2	110	0.00
4		FREON 152A	0.874	0.789	9.7	103	0.00
5		CHLORODIFLUOROMETHANE	0.432	0.423	2.1	108	0.00
6		PROPYLENE	1.101	1.152	-4.6	116	0.00
7		PROPANE	0.000	0.000	0.0	0#	-7.62#
8		FREON 114	4.101	3.862	5.8	102	0.00
9		CHLOROMETHANE	0.423	0.417	1.4	106	0.00
10		VINYL CHLORIDE	1.412	1.477	-4.6	108	0.00
11		1,3-BUTADIENE	1.146	1.094	4.5	106	0.00
12		n-BUTANE	2.450	2.372	3.2	114	0.00
13		BROMOMETHANE	1.579	1.457	7.7	102	0.00
14		CHLOROETHANE	0.785	0.789	-0.5	109	0.00
15		FREON 123	3.356	3.133	6.6	108	0.00
16		FREON 123A	2.200	2.003	9.0	105	0.00
17		TRICHLOROFLUOROMETHANE	4.115	3.748	8.9	103	0.00
18		ISOPROPYL ALCOHOL	2.154	2.254	-4.6	119	0.00
19		ACETONE	0.544	0.492	9.6	106	0.00
20		PENTANE	1.504	1.437	4.5	110	0.00
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	-6.59#
22		ETHYL ETHER	0.000	0.000	0.0	0#	-6.95#
23		IODOMETHANE	3.973	3.647	8.2	100	0.00
24		1,1-DICHLOROETHYLENE	1.356	1.248	8.0	103	0.00
25		CARBON DISULFIDE	3.798	3.583	5.7	103	0.00
26		ETHANOL	0.543	0.516	5.0	114	0.00
27		BROMOETHENE	1.500	1.492	0.5	102	0.00
28		METHYLENE CHLORIDE	1.149	1.081	5.9	107	0.00
29		3-CHLOROPROPENE	0.557	0.580	-4.1	108	0.01
30		FREON 113	2.427	2.204	9.2	101	0.00
31		TRANS-1,2-DICHLOROETHYLENE	1.305	1.360	-4.2	105	0.00
32		TERTIARY BUTYL ALCOHOL	2.560	2.797	-9.3	116	0.00
33		METHYL TERTIARY BUTYL ETHER	3.329	3.151	5.3	101	0.00
34		TETRAHYDROFURAN	0.498	0.503	-1.0	100	0.00
35		HEXANE	1.753	1.686	3.8	108	0.00
36		VINYL ACETATE	0.237	0.217	8.4	89	-0.01
37		1,1-DICHLOROETHANE	2.358	2.250	4.6	107	0.00
38		METHYL ETHYL KETONE	0.516	0.505	2.1	106	0.00
39		cis-1,2-DICHLOROETHYLENE	1.444	1.311	9.2	105	0.00
40		ETHYL ACETATE	0.241	0.282	-17.0	125	0.00
41		CHLOROFORM	2.697	2.637	2.2	105	0.00
42		2,4-DIMETHYLPENTANE	2.189	2.227	-1.7	108	0.00

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

43		1,1,1-TRICHLOROETHANE	3.250	3.002	7.6	105	0.00	
44		CARBON TETRACHLORIDE	3.086	3.029	1.8	106	0.00	
45		1,2-DICHLOROETHANE	1.807	1.811	-0.2	107	0.00	
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	
47		BENZENE	0.838	0.827	1.3	105	0.00	
48		CYCLOHEXANE	0.512	0.488	4.7	108	0.00	
49		2,3-DIMETHYLPENTANE	0.200	0.195	2.5	109	0.00	
50		TRICHLOROETHYLENE	0.381	0.336	11.8	105	0.00	
51		1,2-DICHLOROPROPANE	0.285	0.287	-0.7	107	0.00	
52		BROMODICHLOROMETHANE	0.590	0.583	1.2	106	0.00	
53		2,2,4-TRIMETHYLPENTANE	1.284	1.235	3.8	108	0.00	
54		1,4-DIOXANE	0.166	0.160	3.6	109	0.00	
55		METHYL METHACRYLATE	0.188	0.219	-16.5	107	0.00	
56		HEPTANE	0.456	0.449	1.5	109	0.00	
57	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	-12.03#	
58		METHYL ISOBUTYL KETONE	0.404	0.496	-22.8	116	0.00	
59		cis-1,3-DICHLOROPROPENE	0.410	0.444	-8.3	105	0.00	
60		TOLUENE	0.547	0.558	-2.0	101	0.00	
61		trans-1,3-DICHLOROPROPENE	0.333	0.390	-17.1	106	0.00	
62		1,1,2-TRICHLOROETHANE	0.233	0.246	-5.6	103	0.00	
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	107	0.00	
64		2-HEXANONE	0.416	0.527	-26.7	117	0.00	
65		TETRACHLOROETHYLENE	1.000	0.835	16.5	100	0.00	
66		DIBROMOCHLOROMETHANE	1.263	1.282	-1.5	100	0.00	
67		1,2-DIBROMOETHANE	0.915	0.941	-2.8	103	0.00	
68		OCTANE	1.295	1.212	6.4	108	0.00	
69		1,1,1,2-TETRACHLOROETHANE	0.961	0.895	6.9	101	0.00	
70		CHLOROBENZENE	1.317	1.273	3.3	100	0.00	
71		ETHYLBENZENE	2.234	2.103	5.9	100	0.00	
72		m,p-XYLENE	0.913	0.849	7.0	98	0.00	
73		o-XYLENE	0.943	0.841	10.8	97	0.00	
74		STYRENE	0.974	1.116	-14.6	100	0.00	
75		NONANE	1.075	1.101	-2.4	107	0.00	
76		BROMOFORM	0.860	0.965	-12.2	100	0.00	
77	S	4-BROMOFLUOROBENZENE	0.953	1.022	-7.2	105	0.00	
78		1,1,2,2-TETRACHLOROETHANE	0.933	0.935	-0.2	100	0.00	
79		ISOPROPYLBENZENE	2.480	2.267	8.6	98	0.00	
80		2-CHLOROTOLUENE	0.610	0.560	8.2	100	0.00	
81		n-PROPYLBENZENE	0.577	0.583	-1.0	96	0.00	
82		4-ETHYLTOLUENE	1.663	1.755	-5.5	97	0.00	
83		1,3,5-TRIMETHYLBENZENE	1.662	1.619	2.6	96	0.00	
84		TERT-BUTYLBENZENE	0.454	0.438	3.5	95	0.00	
85		1,2,4-TRIMETHYLBENZENE	1.446	1.389	3.9	98	0.00	
86		m-DICHLOROBENZENE	0.740	0.798	-7.8	100	0.00	
87		BENZYL CHLORIDE	0.793	0.830	-4.7	104	0.00	
88		p-DICHLOROBENZENE	0.750	0.753	-0.4	102	0.00	
89		SEC-BUTYLBENZENE	0.499	0.483	3.2	95	0.00	
90		p-ISOPROPYLTOLUENE	0.490	0.505	-3.1	98	0.00	
91		o-DICHLOROBENZENE	0.792	0.774	2.3	100	0.00	
92		n-BUTYLBENZENE	0.357	0.368	-3.1	97	0.00	
93		HEXACHLOROBUTADIENE	0.465	0.475	-2.2	94	0.00	
94		1,2,4-TRICHLOROBENZENE	0.240	0.239	0.4	107	0.00	
95		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	107	0.00	
96		NAPHTHALENE	0.641	0.000	100.0#	0#	-21.46#	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1118-ICV1118
Lab FileID: 2W26586.D

2W26579.D M2W1118.M Wed Apr 07 09:31:42 2010 MS2W

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1124-CC1118
Lab FileID: 2W26727.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\2W26727.D Vial: 2
Acq On : 13 Apr 2010 8:09 am Operator: yunxiac
Sample : CC1118-10 Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 08 13:12:19 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 25% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	109	-0.01
2		FREON 115	0.000	0.000	0.0	0#	-0.02
3		DICHLORODIFLUOROMETHANE	4.230	4.755	-12.4	144	0.00
4		FREON 152A	0.874	1.048	-19.9	151	0.00
5		CHLORODIFLUOROMETHANE	0.480	0.599	-24.8	168	0.00
6		PROPYLENE	1.101	1.198	-8.8	133	0.00
7		PROPANE	0.000	0.000	0.0	774#	0.04
8		FREON 114	4.101	4.671	-13.9	136	0.00
9		CHLOROMETHANE	0.423	0.500	-18.2	140	-0.01
10		VINYL CHLORIDE	1.412	1.802	-27.6	145	0.00
11		1,3-BUTADIENE	1.146	1.297	-13.2	138	-0.01
12		n-BUTANE	2.450	2.591	-5.8	137	-0.01
13		BROMOMETHANE	1.579	1.876	-18.8	145	0.00
14		CHLOROETHANE	0.785	0.895	-14.0	136	-0.01
15		FREON 123	3.356	3.444	-2.6	131	-0.01
16		FREON 123A	2.200	2.258	-2.6	131	-0.02
17		TRICHLOROFLUOROMETHANE	4.115	4.903	-19.1	149	0.00
18		ISOPROPYL ALCOHOL	2.154	2.488	-15.5	145	-0.02
19		ACETONE	0.544	0.531	2.4	127	-0.01
20		PENTANE	1.504	1.578	-4.9	133	-0.01
21	H	TVHC as EQUIV PENTANE	0.000	0.000	0.0	0#	0.00
22		ETHYL ETHER	0.000	0.000	0.0	0#	-0.02
23		IODOMETHANE	3.973	4.339	-9.2	131	-0.02
24		1,1-DICHLOROETHYLENE	1.356	1.334	1.6	121	0.00
25		CARBON DISULFIDE	3.798	3.732	1.7	118	0.00
26		ETHANOL	0.543	0.621	-14.4	151	-0.02
27		BROMOETHENE	1.500	1.892	-26.1	142	-0.01
28		METHYLENE CHLORIDE	1.149	1.103	4.0	120	-0.01
29		3-CHLOROPROPENE	0.557	0.569	-2.2	117	-0.01
30		FREON 113	2.427	2.471	-1.8	125	-0.01
31		TRANS-1,2-DICHLOROETHYLENE	1.305	1.358	-4.1	115	-0.01
32		TERTIARY BUTYL ALCOHOL	2.560	2.905	-13.5	132	-0.02
33		METHYL TERTIARY BUTYL ETHER	3.329	3.181	4.4	112	-0.01
34		TETRAHYDROFURAN	0.498	0.490	1.6	107	-0.02
35		HEXANE	1.753	1.544	11.9	109	0.00
36		VINYL ACETATE	0.237	0.227	4.2	103	-0.02
37		1,1-DICHLOROETHANE	2.358	2.214	6.1	116	-0.01
38		METHYL ETHYL KETONE	0.516	0.490	5.0	114	-0.01
39		cis-1,2-DICHLOROETHYLENE	1.444	1.304	9.7	115	-0.01
40		ETHYL ACETATE	0.241	0.280	-16.2	136	-0.02
41		CHLOROFORM	2.697	2.797	-3.7	123	-0.01
42		2,4-DIMETHYLPENTANE	2.189	2.078	5.1	111	-0.02

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1124-CC1118
Lab FileID: 2W26727.D

43		1,1,1-TRICHLOROETHANE	3.250	3.248	0.1	126	-0.01	
44		CARBON TETRACHLORIDE	3.086	3.419	-10.8	131	-0.02	
45		1,2-DICHLOROETHANE	1.807	2.019	-11.7	132	-0.02	
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	107	-0.01	
47		BENZENE	0.838	0.779	7.0	109	-0.02	
48		CYCLOHEXANE	0.512	0.488	4.7	120	-0.01	
49		2,3-DIMETHYLPENTANE	0.200	0.183	8.5	113	-0.01	
50		TRICHLOROETHYLENE	0.381	0.350	8.1	121	-0.02	
51		1,2-DICHLOROPROPANE	0.285	0.269	5.6	110	-0.01	
52		BROMODICHLOROMETHANE	0.590	0.594	-0.7	120	-0.01	
53		2,2,4-TRIMETHYLPENTANE	1.284	1.124	12.5	109	-0.01	
54		1,4-DIOXANE	0.166	0.150	9.6	113	-0.02	
55		METHYL METHACRYLATE	0.188	0.214	-13.8	116	-0.02	
56		HEPTANE	0.456	0.413	9.4	111	0.00	
57	H	TVHC as EQUIV HEPTANE	0.000	0.000	0.0	0#	0.00	
58		METHYL ISOBUTYL KETONE	0.404	0.474	-17.3	123	-0.02	
59		cis-1,3-DICHLOROPROPENE	0.410	0.431	-5.1	113	-0.02	
60		TOLUENE	0.547	0.518	5.3	103	-0.01	
61		trans-1,3-DICHLOROPROPENE	0.333	0.396	-18.9	119	-0.01	
62		1,1,2-TRICHLOROETHANE	0.233	0.246	-5.6	114	-0.01	
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	119	-0.01	
64		2-HEXANONE	0.416	0.458	-10.1	114	-0.02	
65		TETRACHLOROETHYLENE	1.000	0.845	15.5	113	-0.01	
66		DIBROMOCHLOROMETHANE	1.263	1.333	-5.5	115	-0.01	
67		1,2-DIBROMOETHANE	0.915	0.943	-3.1	115	-0.01	
68		OCTANE	1.295	1.134	12.4	113	-0.01	
69		1,1,1,2-TETRACHLOROETHANE	0.961	0.960	0.1	121	-0.01	
70		CHLOROBENZENE	1.317	1.233	6.4	108	-0.01	
71		ETHYLBENZENE	2.234	2.065	7.6	110	-0.01	
72		m,p-XYLENE	0.913	0.795	12.9	103	-0.01	
73		o-XYLENE	0.943	0.797	15.5	102	-0.01	
74		STYRENE	0.974	1.049	-7.7	105	-0.01	
75		NONANE	1.075	1.023	4.8	111	0.00	
76		BROMOFORM	0.860	1.063	-23.6	123	-0.01	
77	S	4-BROMOFLUOROBENZENE	0.953	1.090	-14.4	125	-0.01	
78		1,1,2,2-TETRACHLOROETHANE	0.933	0.911	2.4	109	-0.01	
79		ISOPROPYLBENZENE	2.480	2.209	10.9	107	-0.01	
80		2-CHLOROTOLUENE	0.610	0.560	8.2	112	-0.01	
81		n-PROPYLBENZENE	0.577	0.569	1.4	104	-0.01	
82		4-ETHYLTOLUENE	1.663	1.762	-6.0	109	-0.01	
83		1,3,5-TRIMETHYLBENZENE	1.662	1.600	3.7	106	-0.01	
84		TERT-BUTYLBENZENE	0.454	0.439	3.3	106	0.00	
85		1,2,4-TRIMETHYLBENZENE	1.446	1.390	3.9	109	0.00	
86		m-DICHLOROBENZENE	0.740	0.814	-10.0	114	0.00	
87		BENZYL CHLORIDE	0.793	0.810	-2.1	113	-0.01	
88		p-DICHLOROBENZENE	0.750	0.738	1.6	112	-0.01	
89		SEC-BUTYLBENZENE	0.499	0.473	5.2	104	0.00	
90		p-ISOPROPYLTOLUENE	0.490	0.487	0.6	105	0.00	
91		o-DICHLOROBENZENE	0.792	0.787	0.6	113	0.00	
92		n-BUTYLBENZENE	0.357	0.366	-2.5	107	0.00	
93		HEXACHLOROBUTADIENE	0.465	0.578	-24.3	128	0.00	
94		1,2,4-TRICHLOROBENZENE	0.240	0.248	-3.3	124	0.00	
95		CHLOROBENZENE-D5(A)	1.000	1.000	0.0	119	-0.01	
96		NAPHTHALENE	0.641	0.000	100.0#	0#	-21.46#	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V2W1124-CC1118
Lab FileID: 2W26727.D

2W26579.D M2W1118.M Tue Apr 13 15:26:46 2010 MS2W

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W644-ICC644
Lab FileID: 3W16118.D

Response Factor Report MS3W

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

Calibration Files
0.04=3W16126.D 0.1 =3W16125.D 0.2 =3W16121.D 0.5 =3W16124.D
5 =3W16123.D 10 =3W16118.D 20 =3W16122.D 40 =3W16129.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------	----------	ISTD	----------	----------					
2) FREON 115									0.000	-1.00
3) FREON 152A	1.061	0.977	0.790	0.825	0.871	0.836	0.858	0.905	0.891	9.98
4) CHLORODIFLUO	0.386	0.400	0.315	0.333	0.337	0.326	0.329	0.343	0.346	8.76
5) DICHLORODIFL	4.375	3.701	3.391	3.409	3.528	3.375	3.304	3.286	3.546	10.17
6) PROPYLENE		1.011	0.982	0.951	1.013	0.980	0.969	0.973	0.983	2.29
7) FREON 114	4.386	4.111	3.555	3.667	3.720	3.562	3.491	3.254	3.718	9.75
8) CHLOROMETHAN		1.383	1.122	1.105	1.113	1.097	1.122	1.187	1.161	8.78
9) VINYL CHLORI	1.543	1.420	1.272	1.260	1.326	1.275	1.314	1.376	1.348	7.11
10) 1,3-BUTADIEN	0.937	0.856	0.782	0.818	0.950	0.923	0.948	0.967	0.898	7.74
11) n-BUTANE		2.136	1.843	1.779	1.786	1.733	1.697	1.660	1.805	8.75
12) BROMOMETHANE	1.342	1.333	1.219	1.201	1.241	1.213	1.252	1.306	1.263	4.41
13) CHLOROETHANE	0.670	0.701	0.614	0.644	0.668	0.675	0.698	0.742	0.677	5.72
14) FREON 123	3.456	3.291	2.774	2.936	2.920	2.904	2.839	2.713	2.979	8.68
15) FREON 123A	2.032	1.961	1.678	1.739	1.742	1.716	1.693	1.674	1.780	7.73
16) TRICHLOROFLU	3.708	3.682	3.211	3.244	3.246	3.212	3.226	3.286	3.352	6.36
17) ISOPROPYL AL	2.050	2.023	1.731	1.754	1.733	1.890	1.918	2.143	1.905	8.28
18) ACETONE	0.780	0.618	0.464	0.513	0.490	0.513	0.550	0.582	0.564	17.86
19) PENTANE		1.549	1.233	1.085	1.112	1.114	1.128	1.102	1.189	13.96
20) TVHC as EQUI	5.892	6.235	4.865	4.858	5.336	5.280	5.413	5.303	5.398	8.71
21) IODOMETHANE	3.345	3.427	3.003	3.119	3.264	3.192	3.264	3.342	3.245	4.21
22) 1,1-DICHLORO	1.360	1.345	1.150	1.177	1.180	1.158	1.177	1.184	1.216	6.96
23) CARBON DISUL	4.223	3.897	3.502	3.453	3.544	3.421	3.463	3.573	3.634	7.74
24) ETHANOL			0.680	0.532	0.406	0.441	0.449	0.516	0.504	19.51
25) BROMOETHENE	1.388	1.262	1.126	1.170	1.231	1.222	1.246	1.275	1.240	6.25
26) METHYLENE CH			1.319	1.152	1.058	1.036	1.037	1.078	1.113	9.84
27) 3-CHLOROPROP	0.592	0.528	0.450	0.508	0.549	0.545	0.561	0.590	0.540	8.57
28) FREON 113	2.436	2.229	1.925	2.053	2.073	2.003	2.046	2.075	2.105	7.53
29) TRANS-1,2-DI	1.352	1.251	1.105	1.155	1.238	1.206	1.236	1.310	1.232	6.42
30) TERTIARY BUT	1.710	2.341	2.102	2.439	2.409	2.654	2.298	2.586	2.317	12.89
31) METHYL TERTI	2.936	3.166	2.583	2.885	3.085	3.162	3.179	3.282	3.035	7.42
32) TETRAHYDROFU		0.382	0.374	0.446	0.525	0.561	0.582	0.657	0.504	21.21
33) HEXANE	1.751	1.804	1.556	1.666	1.790	1.710	1.674	1.529	1.685	6.00
34) VINYL ACETAT		0.198	0.135	0.187	0.246	0.258	0.267	0.301	0.227	24.99
35) 1,1-DICHLORO	2.622	2.446	1.954	2.122	2.174	2.109	2.089	2.063	2.197	10.10
36) METHYL ETHYL		0.400	0.348	0.431	0.510	0.558	0.582	0.661	0.499	22.26
37) cis-1,2-DICH	1.156	1.144	1.075	1.134	1.279	1.244	1.255	1.307	1.199	6.88
38) DIISOPROPYL	2.931	3.226	2.573	2.908	3.098	3.166	3.111	3.000	3.001	6.85
39) ETHYL ACETAT		0.253	0.236	0.293	0.294	0.318	0.335	0.379	0.301	16.16
40) CHLOROFORM	2.622	2.596	2.212	2.345	2.507	2.455	2.519	2.656	2.489	6.01
41) 2,4-DIMETHYL	2.328	2.247	1.966	2.064	2.255	2.198	2.189	2.196	2.180	5.26
42) 1,1,1-TRICHL	2.714	2.644	2.387	2.491	2.650	2.604	2.645	2.763	2.612	4.63
43) CARBON TETRA	3.036	2.837	2.519	2.651	2.788	2.723	2.753	2.841	2.768	5.47
44) 1,2-DICHLORO	1.355	1.481	1.224	1.336	1.400	1.407	1.445	1.587	1.404	7.63
45) I 1,4-DIFLUOROBENZENE	----------	----------	ISTD	----------	----------					

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W644-ICC644
Lab FileID: 3W16118.D

46)	BENZENE	0.846	0.801	0.660	0.739	0.759	0.722	0.734	0.765	0.753	7.32
47)	CYCLOHEXANE	0.430	0.407	0.346	0.374	0.391	0.366	0.366	0.368	0.381	7.07
48)	2,3-DIMETHYL		0.201	0.218	0.187	0.177	0.164	0.165	0.170	0.183	10.93
49)	TRICHLOROETH	0.384	0.336	0.296	0.310	0.324	0.303	0.299	0.293	0.318	9.57
50)	1,2-DICHLORO		0.381	0.290	0.257	0.270	0.263	0.271	0.284	0.288	14.72
51)	BROMODICHLOR	0.531	0.525	0.444	0.485	0.526	0.508	0.502	0.496	0.502	5.63
52)	2,2,4-TRIMET	1.290	1.218	1.071	1.139	1.172	1.104	1.082	1.044	1.140	7.29
53)	1,4-DIOXANE		0.160	0.132	0.158	0.151	0.155	0.159	0.178	0.156	8.76
54)	HEPTANE		0.460	0.389	0.383	0.391	0.372	0.360	0.331	0.384	10.31
55)	TVHC as EQUI	2.410	2.576	2.218	2.358	2.588	2.569	2.531	2.553	2.476	5.40
56)	METHYL METHA	0.149	0.172	0.137	0.162	0.207	0.220	0.226	0.241	0.189	20.71
57)	METHYL ISOBU	0.269	0.328	0.278	0.327	0.386	0.425	0.406	0.418	0.355	17.58
58)	cis-1,3-DICH	0.349	0.349	0.290	0.332	0.398	0.391	0.396	0.409	0.364	11.26
59)	TOLUENE	0.533	0.536	0.434	0.464	0.503	0.487	0.500	0.526	0.498	7.11
60)	trans-1,3-DI	0.259	0.266	0.219	0.244	0.303	0.317	0.330	0.380	0.290	18.16
61)	1,1,2-TRICHL	0.212	0.227	0.196	0.223	0.245	0.239	0.246	0.262	0.231	9.17
62)	I CHLOROBENZENE-D5	----------ISTD----------									
63)	2-HEXANONE		0.668	0.616	0.644	0.738	0.799	0.776	0.842	0.726	11.77
64)	TETRACHLOROE	0.704	0.773	0.678	0.699	0.716	0.648	0.645	0.646	0.689	6.39
65)	DIBROMOCHLOR	0.930	0.954	0.799	0.911	1.047	0.993	1.002	1.016	0.957	8.16
66)	1,2-DIBROMOE	0.721	0.750	0.607	0.675	0.776	0.759	0.780	0.833	0.738	9.49
67)	OCTANE		1.015	0.940	1.034	1.091	1.000	0.945	0.845	0.981	8.10
68)	1,1,1,2-TETR	0.675	0.733	0.642	0.718	0.723	0.668	0.677	0.668	0.688	4.71
69)	CHLOROBENZEN	1.314	1.305	1.078	1.169	1.205	1.119	1.120	1.102	1.177	7.73
70)	ETHYLBENZENE	1.852	1.992	1.647	1.821	2.076	1.952	1.953	1.934	1.903	6.84
71)	m,p-XYLENE	0.624	0.691	0.591	0.682	0.769	0.716	0.712	0.689	0.684	8.09
72)	o-XYLENE	0.584	0.656	0.552	0.680	0.752	0.698	0.706	0.710	0.667	10.12
73)	STYRENE			0.516	0.602	0.983	0.997	1.053	1.119	0.878	28.86
74)	NONANE	0.781	0.835	0.783	0.940	0.980	0.900	0.822	0.675	0.840	11.70
75)	BROMOFORM	0.672	0.722	0.554	0.640	0.837	0.834	0.879	0.947	0.761	17.67
76)	4-BROMOFLUOR	0.986	1.004	1.022	1.042	1.163	1.206	1.197	1.213	1.104	8.99
77)	1,1,2,2-TETR	0.745	0.772	0.805	0.911	0.955	0.916	0.924	0.944	0.872	9.58
78)	1,2,3-TRICHL	0.647	0.713	0.656	0.722	0.760	0.723	0.700	0.675	0.699	5.45
79)	ISOPROPYLBEN	1.930	2.058	1.732	2.026	2.183	2.060	2.048	2.008	2.006	6.53
80)	2-CHLOROTOLU	0.329	0.409	0.363	0.411	0.482	0.455	0.461	0.465	0.422	12.81
81)	n-PROPYLBENZ		0.400	0.349	0.438	0.535	0.509	0.510	0.511	0.465	15.05
82)	4-ETHYLTOLUE	1.119	1.313	1.196	1.427	1.818	1.789	1.798	1.830	1.536	19.83
83)	1,3,5-TRIMET	0.950	1.216	1.097	1.307	1.566	1.491	1.478	1.514	1.327	16.83
84)	tert-BUTYLBE		0.261	0.264	0.320	0.357	0.338	0.332	0.329	0.314	11.77
85)	1,2,4-TRIMET	0.789	0.989	0.976	1.189	1.414	1.364	1.309	1.272	1.163	19.02
86)	m-DICHLOROBE	0.582	0.632	0.631	0.659	0.772	0.785	0.795	0.863	0.715	14.12
87)	BENZYL CHLOR		0.616	0.624	0.618	0.790	0.890	0.877	1.011	0.775	20.53
88)	p-DICHLOROBE	0.539	0.627	0.637	0.609	0.720	0.736	0.748	0.817	0.679	13.35
89)	sec-BUTYLBEN		0.281	0.291	0.363	0.413	0.401	0.395	0.407	0.364	15.31
90)	p-ISOPROPYLT			0.269	0.332	0.401	0.403	0.395	0.410	0.369	15.33
91)	o-DICHLOROBE	0.525	0.548	0.594	0.607	0.694	0.697	0.709	0.802	0.647	14.47
92)	n-BUTYLBENZE			0.179	0.224	0.296	0.314	0.314	0.365	0.282	24.06
93)	HEXACHLOROBU		0.189	0.305	0.316	0.205	0.241	0.145	0.170	0.224	29.47
94)	1,2,4-TRICHL			0.100	0.124	0.107	0.138	0.100	0.134	0.117	14.42
95)	I CHLOROBENZENE-D5 (a)	----------ISTD----------									
96)	NAPHTHALENE			0.252	0.380	0.350	0.586	0.523	0.650	0.457	33.57

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3W644.M Wed Apr 07 11:38:41 2010 MS3W

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00	7.66
2		FREON 115		----------NA----------				
3		FREON 152A	0.891	0.886	0.6	118	0.00	4.15
4		CHLORODIFLUOROMETHANE	0.346	0.339	2.0	116	0.00	4.19
5		DICHLORODIFLUOROMETHANE	3.546	3.426	3.4	113	0.00	4.26
6		PROPYLENE	0.983	1.003	-2.0	114	0.00	4.21
7		FREON 114	3.718	3.583	3.6	112	0.00	4.43
8		CHLOROMETHANE	1.161	1.126	3.0	115	0.00	4.37
9		VINYL CHLORIDE	1.348	1.320	2.1	116	0.00	4.51
10		1,3-BUTADIENE	0.898	0.963	-7.2	116	0.00	4.60
11		n-BUTANE	1.805	1.755	2.8	113	0.00	4.62
12		BROMOMETHANE	1.263	1.285	-1.7	118	0.00	4.79
13		CHLOROETHANE	0.677	0.701	-3.5	116	0.00	4.89
14		FREON 123	2.979	2.948	1.0	113	0.00	5.21
15		FREON 123A	1.780	1.758	1.2	114	0.00	5.25
16		TRICHLOROFLUOROMETHANE	3.352	3.304	1.4	115	0.00	5.41
17		ISOPROPYL ALCOHOL	1.905	1.904	0.1	112	-0.02	5.48
18		ACETONE	0.564	0.523	7.3	114	0.00	5.31
19		PENTANE	1.189	1.143	3.9	114	0.00	5.61
20	H	TVHC as EQUIV PENTANE	5.398	5.337	1.1	113	0.00	5.61
21		IODOMETHANE	3.245	3.366	-3.7	118	0.00	5.82
22		1,1-DICHLOROETHYLENE	1.216	1.219	-0.2	117	0.00	5.86
23		CARBON DISULFIDE	3.634	3.635	-0.0	119	0.00	6.18
24		ETHANOL	0.504	0.444	11.9	112	-0.02	5.01
25		BROMOETHENE	1.240	1.299	-4.8	119	0.00	5.13
26		METHYLENE CHLORIDE	1.113	1.084	2.6	117	0.00	5.96
27		3-CHLOROPROPENE	0.540	0.569	-5.4	116	0.00	6.03
28		FREON 113	2.105	2.079	1.2	116	0.00	6.12
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.260	-2.3	117	0.00	6.63
30		TERTIARY BUTYL ALCOHOL	2.317	2.603	-12.3	109	-0.02	5.89
31		METHYL TERTIARY BUTYL ETH	3.035	3.148	-3.7	111	0.00	6.80
32		TETRAHYDROFURAN	0.504	0.561	-11.3	111	0.00	8.08
33		HEXANE	1.685	1.729	-2.6	113	0.00	7.57
34		VINYL ACETATE	0.227	0.264	-16.3	114	-0.01	6.91
35		1,1-DICHLOROETHANE	2.197	2.136	2.8	113	0.00	6.81
36		METHYL ETHYL KETONE	0.499	0.562	-12.6	112	-0.01	7.11
37		cis-1,2-DICHLOROETHYLENE	1.199	1.277	-6.5	115	0.00	7.53
38		DIISOPROPYL ETHER	3.001	3.140	-4.6	111	0.00	7.58
39		ETHYL ACETATE	0.301	0.317	-5.3	111	0.00	7.66
40		CHLOROFORM	2.489	2.497	-0.3	114	0.00	7.75
41		2,4-DIMETHYLPENTANE	2.180	2.190	-0.5	111	0.00	8.32
42		1,1,1-TRICHLOROETHANE	2.612	2.616	-0.2	112	0.00	8.59

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

43		CARBON TETRACHLORIDE	2.768	2.732	1.3	112	0.00	9.15
44		1,2-DICHLOROETHANE	1.404	1.420	-1.1	113	0.00	8.38
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	111	0.00	9.35
46		BENZENE	0.753	0.735	2.4	113	0.00	9.02
47		CYCLOHEXANE	0.381	0.370	2.9	112	0.00	9.20
48		2,3-DIMETHYLPENTANE	0.183	0.167	8.7	113	0.00	9.38
49		TRICHLOROETHYLENE	0.318	0.311	2.2	114	0.00	9.98
50		1,2-DICHLOROPROPANE	0.288	0.266	7.6	112	-0.01	9.74
51		BROMODICHLOROMETHANE	0.502	0.514	-2.4	112	0.00	9.96
52		2,2,4-TRIMETHYLPENTANE	1.140	1.105	3.1	111	0.00	9.91
53		1,4-DIOXANE	0.156	0.156	0.0	112	-0.01	10.02
54		HEPTANE	0.384	0.373	2.9	111	0.00	10.16
55	H	TVHC as EQUIV HEPTANE	2.476	2.573	-3.9	111	0.00	10.16
56		METHYL METHACRYLATE	0.189	0.219	-15.9	111	0.00	10.17
57		METHYL ISOBUTYL KETONE	0.355	0.418	-17.7	109	-0.01	10.80
58		cis-1,3-DICHLOROPROPENE	0.364	0.401	-10.2	114	0.00	10.82
59		TOLUENE	0.498	0.497	0.2	113	0.00	11.76
60		trans-1,3-DICHLOROPROPENE	0.290	0.324	-11.7	113	0.00	11.33
61		1,1,2-TRICHLOROETHANE	0.231	0.243	-5.2	113	0.00	11.49
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	13.58
63		2-HEXANONE	0.726	0.786	-8.3	107	0.00	12.00
64		TETRACHLOROETHYLENE	0.689	0.677	1.7	113	0.00	12.90
65		DIBROMOCHLOROMETHANE	0.957	1.039	-8.6	114	0.00	12.21
66		1,2-DIBROMOETHANE	0.738	0.801	-8.5	115	0.00	12.42
67		OCTANE	0.981	1.022	-4.2	111	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.699	-1.6	114	0.00	13.61
69		CHLOROBENZENE	1.177	1.178	-0.1	114	0.00	13.63
70		ETHYLBENZENE	1.903	2.030	-6.7	113	0.00	14.00
71		m,p-XYLENE	0.684	0.742	-8.5	113	0.00	14.18
72		o-XYLENE	0.667	0.726	-8.8	113	0.00	14.69
73		STYRENE	0.878	1.045	-19.0	114	0.00	14.60
74		NONANE	0.840	0.922	-9.8	111	0.00	14.87
75		BROMOFORM	0.761	0.890	-17.0	116	0.00	14.31
76	S	4-BROMOFLUOROBENZENE	1.104	1.192	-8.0	107	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.963	-10.4	114	0.00	14.72
78		1,2,3-TRICHLOROPROPANE	0.699	0.762	-9.0	114	0.00	14.85
79		ISOPROPYLBENZENE	2.006	2.131	-6.2	112	0.00	15.34
80		2-CHLOROTOLUENE	0.422	0.484	-14.7	116	0.00	15.91
81		n-PROPYLBENZENE	0.465	0.531	-14.2	113	0.00	15.94
82		4-ETHYLTOLUENE	1.536	1.844	-20.1	112	0.00	16.11
83		1,3,5-TRIMETHYLBENZENE	1.327	1.558	-17.4	113	0.00	16.20
84		tert-BUTYLBENZENE	0.314	0.348	-10.8	112	0.00	16.68
85		1,2,4-TRIMETHYLBENZENE	1.163	1.406	-20.9	112	0.00	16.69
86		m-DICHLOROBENZENE	0.715	0.831	-16.2	115	0.00	16.89
87		BENZYL CHLORIDE	0.775	0.962	-24.1	117	0.00	16.88
88		p-DICHLOROBENZENE	0.679	0.789	-16.2	116	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.411	-12.9	111	0.00	17.00
90		p-ISOPROPYLTOLUENE	0.369	0.415	-12.5	112	0.00	17.19
91		o-DICHLOROBENZENE	0.647	0.747	-15.5	116	0.00	17.40
92		n-BUTYLBENZENE	0.282	0.322	-14.2	111	0.00	17.69
93		HEXACHLOROBUTADIENE	0.224	0.263	-17.4	118	0.00	19.94
94		1,2,4-TRICHLOROBENZENE	0.117	0.161	-37.6#	127	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	109	0.00	13.58
96		NAPHTHALENE		----------NA----------				

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W645-ICV644
Lab FileID: 3W16138.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Wed Apr 07 11:38:40 2010   MS3W
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Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W649-CC644
Lab FileID: 3W16257.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	0.00	7.66
2		FREON 115		----------NA----------				
3		FREON 152A	0.891	0.857	3.8	105	0.02	4.17
4		CHLORODIFLUOROMETHANE	0.346	0.323	6.6	101	0.02	4.20
5		DICHLORODIFLUOROMETHANE	3.546	3.469	2.2	105	0.02	4.27
6		PROPYLENE	0.983	1.052	-7.0	109	0.02	4.22
7		FREON 114	3.718	3.604	3.1	103	0.01	4.44
8		CHLOROMETHANE	1.161	1.138	2.0	106	0.01	4.38
9		VINYL CHLORIDE	1.348	1.327	1.6	106	0.02	4.53
10		1,3-BUTADIENE	0.898	0.952	-6.0	105	0.01	4.61
11		n-BUTANE	1.805	1.788	0.9	105	0.02	4.64
12		BROMOMETHANE	1.263	1.252	0.9	105	0.01	4.80
13		CHLOROETHANE	0.677	0.667	1.5	101	0.01	4.91
14		FREON 123	2.979	2.897	2.8	102	0.00	5.22
15		FREON 123A	1.780	1.711	3.9	102	0.01	5.27
16		TRICHLOROFLUOROMETHANE	3.352	3.228	3.7	103	0.01	5.42
17		ISOPROPYL ALCOHOL	1.905	1.777	6.7	96	0.00	5.51
18		ACETONE	0.564	0.508	9.9	101	0.01	5.32
19		PENTANE	1.189	1.086	8.7	100	0.00	5.62
20	H	TVHC as EQUIV PENTANE	5.398	5.102	5.5	99	0.01	5.62
21		IODOMETHANE	3.245	3.239	0.2	104	0.01	5.83
22		1,1-DICHLOROETHYLENE	1.216	1.166	4.1	103	0.00	5.87
23		CARBON DISULFIDE	3.634	3.472	4.5	104	0.00	6.19
24		ETHANOL	0.504	0.427	15.3	99	0.00	5.03
25		BROMOETHENE	1.240	1.239	0.1	103	0.00	5.14
26		METHYLENE CHLORIDE	1.113	1.035	7.0	102	0.00	5.97
27		3-CHLOROPROPENE	0.540	0.539	0.2	101	0.00	6.04
28		FREON 113	2.105	1.994	5.3	102	0.00	6.13
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.228	0.3	104	0.00	6.64
30		TERTIARY BUTYL ALCOHOL	2.317	2.434	-5.0	94	0.00	5.91
31		METHYL TERTIARY BUTYL ETH	3.035	3.093	-1.9	100	0.00	6.82
32		TETRAHYDROFURAN	0.504	0.557	-10.5	101	0.00	8.09
33		HEXANE	1.685	1.832	-8.7	109	0.00	7.57
34		VINYL ACETATE	0.227	0.249	-9.7	99	0.00	6.93
35		1,1-DICHLOROETHANE	2.197	2.223	-1.2	108	0.00	6.82
36		METHYL ETHYL KETONE	0.499	0.561	-12.4	103	0.00	7.12
37		cis-1,2-DICHLOROETHYLENE	1.199	1.264	-5.4	104	0.00	7.53
38		DIISOPROPYL ETHER	3.001	3.310	-10.3	107	0.00	7.59
39		ETHYL ACETATE	0.301	0.321	-6.6	103	0.00	7.66
40		CHLOROFORM	2.489	2.540	-2.0	106	0.00	7.75
41		2,4-DIMETHYLPENTANE	2.180	2.321	-6.5	108	0.00	8.33
42		1,1,1-TRICHLOROETHANE	2.612	2.634	-0.8	103	0.00	8.60

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W649-CC644
Lab FileID: 3W16257.D

43		CARBON TETRACHLORIDE	2.768	2.717	1.8	102	0.00	9.16
44		1,2-DICHLOROETHANE	1.404	1.455	-3.6	106	0.00	8.39
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	9.35
46		BENZENE	0.753	0.751	0.3	105	0.00	9.02
47		CYCLOHEXANE	0.381	0.395	-3.7	108	0.00	9.20
48		2,3-DIMETHYLPENTANE	0.183	0.172	6.0	105	0.00	9.38
49		TRICHLOROETHYLENE	0.318	0.311	2.2	103	0.00	9.98
50		1,2-DICHLOROPROPANE	0.288	0.283	1.7	108	0.00	9.74
51		BROMODICHLOROMETHANE	0.502	0.533	-6.2	105	0.00	9.96
52		2,2,4-TRIMETHYLPENTANE	1.140	1.188	-4.2	108	0.00	9.91
53		1,4-DIOXANE	0.156	0.154	1.3	100	0.00	10.02
54		HEPTANE	0.384	0.417	-8.6	112	0.00	10.16
55	H	TVHC as EQUIV HEPTANE	2.476	2.684	-8.4	105	0.00	10.17
56		METHYL METHACRYLATE	0.189	0.223	-18.0	102	0.00	10.18
57		METHYL ISOBUTYL KETONE	0.355	0.461	-29.9	109	0.00	10.80
58		cis-1,3-DICHLOROPROPENE	0.364	0.406	-11.5	104	0.00	10.82
59		TOLUENE	0.498	0.489	1.8	101	0.00	11.76
60		trans-1,3-DICHLOROPROPENE	0.290	0.323	-11.4	102	0.00	11.33
61		1,1,2-TRICHLOROETHANE	0.231	0.250	-8.2	105	0.00	11.49
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	13.58
63		2-HEXANONE	0.726	0.853	-17.5	110	0.00	12.00
64		TETRACHLOROETHYLENE	0.689	0.606	12.0	97	0.00	12.90
65		DIBROMOCHLOROMETHANE	0.957	0.976	-2.0	102	0.00	12.21
66		1,2-DIBROMOETHANE	0.738	0.752	-1.9	102	0.00	12.42
67		OCTANE	0.981	1.098	-11.9	114	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.666	3.2	103	0.00	13.60
69		CHLOROBENZENE	1.177	1.089	7.5	101	-0.01	13.62
70		ETHYLBENZENE	1.903	1.898	0.3	101	-0.01	13.99
71		m,p-XYLENE	0.684	0.679	0.7	98	-0.01	14.18
72		o-XYLENE	0.667	0.661	0.9	98	-0.01	14.69
73		STYRENE	0.878	0.931	-6.0	96	0.00	14.59
74		NONANE	0.840	0.974	-16.0	112	-0.01	14.86
75		BROMOFORM	0.761	0.795	-4.5	99	0.00	14.30
76	S	4-BROMOFLUOROBENZENE	1.104	1.121	-1.5	96	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.899	-3.1	101	-0.01	14.71
78		1,2,3-TRICHLOROPROPANE	0.699	0.705	-0.9	101	-0.01	14.84
79		ISOPROPYLBENZENE	2.006	1.929	3.8	97	-0.01	15.33
80		2-CHLOROTOLUENE	0.422	0.431	-2.1	98	-0.01	15.91
81		n-PROPYLBENZENE	0.465	0.471	-1.3	96	0.00	15.93
82		4-ETHYLTOLUENE	1.536	1.627	-5.9	94	0.00	16.10
83		1,3,5-TRIMETHYLBENZENE	1.327	1.381	-4.1	96	-0.01	16.19
84		tert-BUTYLBENZENE	0.314	0.307	2.2	94	0.00	16.67
85		1,2,4-TRIMETHYLBENZENE	1.163	1.255	-7.9	95	0.00	16.68
86		m-DICHLOROBENZENE	0.715	0.689	3.6	91	0.00	16.88
87		BENZYL CHLORIDE	0.775	0.771	0.5	90	-0.01	16.88
88		p-DICHLOROBENZENE	0.679	0.642	5.4	90	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.360	1.1	93	-0.01	16.99
90		p-ISOPROPYLTOLUENE	0.369	0.357	3.3	91	-0.01	17.18
91		o-DICHLOROBENZENE	0.647	0.610	5.7	90	0.00	17.39
92		n-BUTYLBENZENE	0.282	0.269	4.6	88	-0.01	17.69
93		HEXACHLOROBUTADIENE	0.224	0.201	10.3	86	0.00	19.93
94		1,2,4-TRICHLOROBENZENE	0.117	0.111	5.1	84	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	103	0.00	13.58
96		NAPHTHALENE	----------	----------	NA	----------		

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W649-CC644
Lab FileID: 3W16257.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Thu Apr 15 10:18:05 2010   MS3W
```

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.66
2		FREON 115	0.000	0.021	0.0	0#	0.00	4.19
3		FREON 152A	0.891	0.853	4.3	86	0.01	4.16
4		CHLORODIFLUOROMETHANE	0.346	0.338	2.3	87	0.01	4.19
5		DICHLORODIFLUOROMETHANE	3.546	3.490	1.6	87	0.01	4.26
6		PROPYLENE	0.983	1.021	-3.9	88	0.01	4.21
7		FREON 114	3.718	3.744	-0.7	89	0.01	4.44
8		CHLOROMETHANE	1.161	1.214	-4.6	93	0.00	4.38
9		VINYL CHLORIDE	1.348	1.364	-1.2	90	0.01	4.52
10		1,3-BUTADIENE	0.898	0.974	-8.5	89	0.01	4.61
11		n-BUTANE	1.805	1.853	-2.7	90	0.01	4.63
12		BROMOMETHANE	1.263	1.292	-2.3	90	0.01	4.80
13		CHLOROETHANE	0.677	0.692	-2.2	86	0.01	4.91
14		FREON 123	2.979	3.005	-0.9	87	0.00	5.22
15		FREON 123A	1.780	1.832	-2.9	90	0.01	5.27
16		TRICHLOROFLUOROMETHANE	3.352	3.481	-3.8	91	0.00	5.42
17		ISOPROPYL ALCOHOL	1.905	1.850	2.9	83	0.00	5.51
18		ACETONE	0.564	0.524	7.1	86	0.01	5.32
19		PENTANE	1.189	1.167	1.9	88	0.00	5.62
20	H	TVHC as EQUIV PENTANE	5.398	5.372	0.5	86	0.01	5.62
21		IODOMETHANE	3.245	3.429	-5.7	91	0.00	5.83
22		1,1-DICHLOROETHYLENE	1.216	1.195	1.7	87	0.00	5.87
23		CARBON DISULFIDE	3.634	3.530	2.9	87	0.00	6.18
24		ETHANOL	0.504	0.430	14.7	82	0.00	5.03
25		BROMOETHENE	1.240	1.302	-5.0	90	0.00	5.14
26		METHYLENE CHLORIDE	1.113	1.069	4.0	87	0.00	5.97
27		3-CHLOROPROPENE	0.540	0.558	-3.3	86	0.00	6.04
28		FREON 113	2.105	2.167	-2.9	91	0.00	6.13
29		TRANS-1,2-DICHLOROETHYLEN	1.232	1.186	3.7	83	0.00	6.64
30		TERTIARY BUTYL ALCOHOL	2.317	2.486	-7.3	79	0.00	5.91
31		METHYL TERTIARY BUTYL ETH	3.035	2.997	1.3	80	0.00	6.82
32		TETRAHYDROFURAN	0.504	0.511	-1.4	77	0.00	8.08
33		HEXANE	1.685	1.712	-1.6	84	0.00	7.57
34		VINYL ACETATE	0.227	0.237	-4.4	77	0.00	6.92
35		1,1-DICHLOROETHANE	2.197	2.111	3.9	84	0.00	6.82
36		METHYL ETHYL KETONE	0.499	0.502	-0.6	76	0.00	7.12
37		cis-1,2-DICHLOROETHYLENE	1.199	1.219	-1.7	83	0.00	7.53
38		DIISOPROPYL ETHER	3.001	3.122	-4.0	83	0.00	7.58
39		ETHYL ACETATE	0.301	0.295	2.0	78	0.00	7.66
40		CHLOROFORM	2.489	2.480	0.4	85	0.00	7.75
41		2,4-DIMETHYLPENTANE	2.180	2.175	0.2	83	0.00	8.33
42		1,1,1-TRICHLOROETHANE	2.612	2.656	-1.7	86	0.00	8.60

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

43		CARBON TETRACHLORIDE	2.768	2.785	-0.6	86	0.00	9.16
44		1,2-DICHLOROETHANE	1.404	1.452	-3.4	87	0.00	8.38
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	9.35
46		BENZENE	0.753	0.714	5.2	81	0.00	9.02
47		CYCLOHEXANE	0.381	0.371	2.6	83	0.00	9.20
48		2,3-DIMETHYLPENTANE	0.183	0.166	9.3	82	0.00	9.38
49		TRICHLOROETHYLENE	0.318	0.311	2.2	84	0.00	9.98
50		1,2-DICHLOROPROPANE	0.288	0.266	7.6	82	0.00	9.74
51		BROMODICHLOROMETHANE	0.502	0.532	-6.0	85	0.00	9.96
52		2,2,4-TRIMETHYLPENTANE	1.140	1.140	0.0	84	0.00	9.91
53		1,4-DIOXANE	0.156	0.144	7.7	76	0.00	10.02
54		HEPTANE	0.384	0.410	-6.8	90	0.00	10.16
55	H	TVHC as EQUIV HEPTANE	2.476	2.572	-3.9	82	0.00	10.16
56		METHYL METHACRYLATE	0.189	0.205	-8.5	76	0.00	10.17
57		METHYL ISOBUTYL KETONE	0.355	0.425	-19.7	82	0.00	10.80
58		cis-1,3-DICHLOROPROPENE	0.364	0.403	-10.7	84	0.00	10.82
59		TOLUENE	0.498	0.491	1.4	82	0.00	11.76
60		trans-1,3-DICHLOROPROPENE	0.290	0.320	-10.3	82	0.00	11.33
61		1,1,2-TRICHLOROETHANE	0.231	0.246	-6.5	84	0.00	11.49
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	13.58
63		2-HEXANONE	0.726	0.778	-7.2	82	0.00	12.00
64		TETRACHLOROETHYLENE	0.689	0.638	7.4	82	0.00	12.90
65		DIBROMOCHLOROMETHANE	0.957	1.003	-4.8	85	0.00	12.21
66		1,2-DIBROMOETHANE	0.738	0.756	-2.4	83	0.00	12.42
67		OCTANE	0.981	1.099	-12.0	92	0.00	12.67
68		1,1,1,2-TETRACHLOROETHANE	0.688	0.706	-2.6	89	0.00	13.60
69		CHLOROBENZENE	1.177	1.123	4.6	84	-0.01	13.62
70		ETHYLBENZENE	1.903	1.932	-1.5	83	-0.01	13.99
71		m,p-XYLENE	0.684	0.697	-1.9	82	-0.01	14.18
72		o-XYLENE	0.667	0.692	-3.7	83	-0.01	14.69
73		STYRENE	0.878	0.934	-6.4	78	0.00	14.59
74		NONANE	0.840	1.033	-23.0	96	-0.01	14.86
75		BROMOFORM	0.761	0.840	-10.4	84	0.00	14.30
76	S	4-BROMOFLUOROBENZENE	1.104	1.140	-3.3	79	0.00	15.22
77		1,1,2,2-TETRACHLOROETHANE	0.872	0.897	-2.9	82	-0.01	14.71
78		1,2,3-TRICHLOROPROPANE	0.699	0.729	-4.3	85	-0.01	14.84
79		ISOPROPYLBENZENE	2.006	2.026	-1.0	82	-0.01	15.33
80		2-CHLOROTOLUENE	0.422	0.455	-7.8	84	-0.01	15.91
81		n-PROPYLBENZENE	0.465	0.489	-5.2	81	0.00	15.93
82		4-ETHYLTOLUENE	1.536	1.695	-10.4	79	0.00	16.10
83		1,3,5-TRIMETHYLBENZENE	1.327	1.448	-9.1	81	0.00	16.20
84		tert-BUTYLBENZENE	0.314	0.324	-3.2	80	0.00	16.67
85		1,2,4-TRIMETHYLBENZENE	1.163	1.322	-13.7	81	0.00	16.68
86		m-DICHLOROBENZENE	0.715	0.724	-1.3	77	0.00	16.88
87		BENZYL CHLORIDE	0.775	0.754	2.7	71	-0.01	16.88
88		p-DICHLOROBENZENE	0.679	0.676	0.4	77	0.00	16.97
89		sec-BUTYLBENZENE	0.364	0.386	-6.0	81	-0.01	16.99
90		p-ISOPROPYLTOLUENE	0.369	0.376	-1.9	78	-0.01	17.18
91		o-DICHLOROBENZENE	0.647	0.653	-0.9	79	0.00	17.39
92		n-BUTYLBENZENE	0.282	0.284	-0.7	76	-0.01	17.69
93		HEXACHLOROBUTADIENE	0.224	0.210	6.3	73	0.00	19.93
94		1,2,4-TRICHLOROBENZENE	0.117	0.110	6.0	67	0.00	19.40
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	84	0.00	13.58
96		NAPHTHALENE	----------	----------	NA	----------		

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16331.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Tue Apr 20 10:10:17 2010   MS3W
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Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	88	-0.02	7.64
2		FREON 115						
3		FREON 152A		----------NA----------				
4		CHLORODIFLUOROMETHANE		----------NA----------				
5		DICHLORODIFLUOROMETHANE		----------NA----------				
6		PROPYLENE		----------NA----------				
7		FREON 114		----------NA----------				
8		CHLOROMETHANE		----------NA----------				
9		VINYL CHLORIDE		----------NA----------				
10		1,3-BUTADIENE		----------NA----------				
11		n-BUTANE		----------NA----------				
12		BROMOMETHANE		----------NA----------				
13		CHLOROETHANE		----------NA----------				
14		FREON 123		----------NA----------				
15		FREON 123A		----------NA----------				
16		TRICHLOROFLUOROMETHANE		----------NA----------				
17		ISOPROPYL ALCOHOL		----------NA----------				
18		ACETONE		----------NA----------				
19		PENTANE		----------NA----------				
20	H	TVHC as EQUIV PENTANE		----------NA----------				
21		IODOMETHANE		----------NA----------				
22		1,1-DICHLOROETHYLENE		----------NA----------				
23		CARBON DISULFIDE		----------NA----------				
24		ETHANOL		----------NA----------				
25		BROMOETHENE		----------NA----------				
26		METHYLENE CHLORIDE		----------NA----------				
27		3-CHLOROPROPENE		----------NA----------				
28		FREON 113		----------NA----------				
29		TRANS-1,2-DICHLOROETHYLEN		----------NA----------				
30		TERTIARY BUTYL ALCOHOL		----------NA----------				
31		METHYL TERTIARY BUTYL ETH		----------NA----------				
32		TETRAHYDROFURAN		----------NA----------				
33		HEXANE		----------NA----------				
34		VINYL ACETATE		----------NA----------				
35		1,1-DICHLOROETHANE		----------NA----------				
36		METHYL ETHYL KETONE		----------NA----------				
37		cis-1,2-DICHLOROETHYLENE		----------NA----------				
38		DIISOPROPYL ETHER		----------NA----------				
39		ETHYL ACETATE		----------NA----------				
40		CHLOROFORM		----------NA----------				
41		2,4-DIMETHYLPENTANE		----------NA----------				
42		1,1,1-TRICHLOROETHANE		----------NA----------				

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

43		CARBON TETRACHLORIDE		----------NA----------				
44		1,2-DICHLOROETHANE		----------NA----------				
45	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	-0.02	9.33
46		BENZENE		----------NA----------				
47		CYCLOHEXANE		----------NA----------				
48		2,3-DIMETHYLPENTANE		----------NA----------				
49		TRICHLOROETHYLENE		----------NA----------				
50		1,2-DICHLOROPROPANE		----------NA----------				
51		BROMODICHLOROMETHANE		----------NA----------				
52		2,2,4-TRIMETHYLPENTANE		----------NA----------				
53		1,4-DIOXANE		----------NA----------				
54		HEPTANE		----------NA----------				
55	H	TVHC as EQUIV HEPTANE		----------NA----------				
56		METHYL METHACRYLATE		----------NA----------				
57		METHYL ISOBUTYL KETONE		----------NA----------				
58		cis-1,3-DICHLOROPROPENE		----------NA----------				
59		TOLUENE		----------NA----------				
60		trans-1,3-DICHLOROPROPENE		----------NA----------				
61		1,1,2-TRICHLOROETHANE		----------NA----------				
62	I	CHLOROBENZENE-D5	1.000	1.000	0.0	78	-0.02	13.57
63		2-HEXANONE		----------NA----------				
64		TETRACHLOROETHYLENE		----------NA----------				
65		DIBROMOCHLOROMETHANE		----------NA----------				
66		1,2-DIBROMOETHANE		----------NA----------				
67		OCTANE		----------NA----------				
68		1,1,1,2-TETRACHLOROETHANE		----------NA----------				
69		CHLOROBENZENE		----------NA----------				
70		ETHYLBENZENE		----------NA----------				
71		m,p-XYLENE		----------NA----------				
72		o-XYLENE		----------NA----------				
73		STYRENE		----------NA----------				
74		NONANE		----------NA----------				
75		BROMOFORM		----------NA----------				
76	S	4-BROMOFLUOROBENZENE	1.104	1.039	5.9	67	-0.01	15.21
77		1,1,2,2-TETRACHLOROETHANE		----------NA----------				
78		1,2,3-TRICHLOROPROPANE		----------NA----------				
79		ISOPROPYLBENZENE		----------NA----------				
80		2-CHLOROTOLUENE		----------NA----------				
81		n-PROPYLBENZENE		----------NA----------				
82		4-ETHYLTOLUENE		----------NA----------				
83		1,3,5-TRIMETHYLBENZENE		----------NA----------				
84		tert-BUTYLBENZENE		----------NA----------				
85		1,2,4-TRIMETHYLBENZENE		----------NA----------				
86		m-DICHLOROBENZENE		----------NA----------				
87		BENZYL CHLORIDE		----------NA----------				
88		p-DICHLOROBENZENE		----------NA----------				
89		sec-BUTYLBENZENE		----------NA----------				
90		p-ISOPROPYLTOLUENE		----------NA----------				
91		o-DICHLOROBENZENE		----------NA----------				
92		n-BUTYLBENZENE		----------NA----------				
93		HEXACHLOROBUTADIENE		----------NA----------				
94		1,2,4-TRICHLOROBENZENE		----------NA----------				
95	I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	78	-0.02	13.57
96		NAPHTHALENE	0.457	0.501	-9.6	67	-0.11	19.53

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: V3W652-CC644
Lab FileID: 3W16332.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3W16118.D  M3W644.M         Tue Apr 20 10:12:47 2010   MS3W
```

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1071-ICC1071
Lab FileID: W25853.D

Response Factor Report MSW

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

Calibration Files
0.04=W25860.D 0.1 =W25859.D 0.2 =W25869.D 0.5 =W25868.D
5 =W25858.D 10 =W25853.D 20 =W25857.D 40 =W25863.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD									
2) FREON 115									0.000	-1.00
3) FREON 152A									0.000	-1.00
4) CHLORODIFLUO			0.474	0.371	0.367	0.369	0.330	0.312	0.370	15.16
5) DICHLORODIFL	4.402	3.765	4.115	3.553	3.599	3.684	3.306	3.101	3.691	11.29
6) PROPYLENE		1.516	1.548	1.347	1.305	1.353	1.224	1.165	1.351	10.42
7) FREON 114	4.591	4.085	4.495	3.911	4.005	4.121	3.698	3.453	4.045	9.33
8) CHLOROMETHAN	0.443	0.445	0.511	0.433	0.436	0.449	0.404	0.372	0.437	9.07
9) VINYL CHLORI	1.792	1.493	1.808	1.529	1.580	1.633	1.480	1.385	1.588	9.45
10) 1,3-BUTADIEN	1.579	1.338	1.429	1.226	1.276	1.336	1.200	1.131	1.314	10.76
11) n-BUTANE	3.568	2.867	2.959	2.462	2.587	2.687	2.444	2.276	2.731	14.87
12) BROMOMETHANE	1.422	1.361	1.525	1.335	1.341	1.361	1.193	1.115	1.332	9.57
13) CHLOROETHANE	0.961	0.865	0.980	0.848	0.895	0.902	0.798	0.746	0.875	8.97
14) ACROLEIN			0.584	0.518	0.565	0.594	0.537	0.514	0.552	6.14
15) FREON 123	3.928	3.517	3.957	3.309	3.415	3.446	3.050	2.886	3.438	10.93
16) FREON 123A	2.180	2.132	2.371	1.996	2.015	2.015	1.772	1.688	2.021	10.81
17) TRICHLOROFLU	4.110	3.622	4.138	3.582	3.683	3.711	3.274	2.969	3.636	10.72
18) ISOPROPYL AL			2.494	2.432	2.509	2.940	2.569	2.368	2.552	7.92
19) ACETONE			0.729	0.705	0.650	0.719	0.629	0.588	0.670	8.46
20) PENTANE			0.644	0.493	0.472	0.474	0.425	0.399	0.485	17.71
21) TVHC as EQUI	9.961	9.989	9.001	8.222	9.751	8.906	8.028	8.330	9.023	8.86
22) IODOMETHANE	3.849	3.742	4.079	3.584	3.706	3.702	3.263	2.980	3.613	9.53
23) 1,1-DICHLORO		1.649	1.728	1.415	1.412	1.428	1.262	1.156	1.436	13.95
24) CARBON DISUL	5.278	4.730	4.626	3.960	4.294	4.371	3.894	3.486	4.330	12.91
25) ETHANOL			0.812	0.740	0.603	0.621	0.531	0.509	0.636	18.62
26) BROMOETHENE	1.418	1.348	1.587	1.413	1.419	1.415	1.241	1.171	1.377	9.17
27) METHYLENE CH			1.803	1.374	1.246	1.257	1.124	1.026	1.305	20.82
28) 3-CHLOROPROP	0.615	0.751	0.783	0.656	0.743	0.757	0.678	0.628	0.701	9.25
29) FREON 113	2.768	2.443	2.748	2.427	2.441	2.419	2.181	2.023	2.431	10.35
30) TRANS-1,2-DI		1.847	1.733	1.473	1.550	1.572	1.413	1.310	1.557	11.85
31) TERTIARY BUT	3.623	3.471	2.961	2.471	3.151	3.789	3.269	3.008	3.218	13.02
32) METHYL TERTI	4.598	3.987	3.645	3.518	3.864	4.341	3.763	3.588	3.913	9.74
33) TETRAHYDROFU		0.620	0.593	0.610	0.682	0.762	0.655	0.634	0.651	8.76
34) HEXANE	3.162	2.704	2.642	2.278	2.589	2.735	2.408	2.238	2.594	11.46
35) VINYL ACETAT		0.319	0.304	0.308	0.388	0.427	0.369	0.349	0.352	12.97
36) 1,1-DICHLORO	3.235	2.880	2.907	2.452	2.753	2.887	2.554	2.357	2.753	10.42
37) METHYL ETHYL			0.540	0.539	0.682	0.778	0.669	0.641	0.642	14.27
38) cis-1,2-DICH		1.999	1.772	1.409	1.548	1.579	1.424	1.330	1.580	14.84
39) DI-ISOPROPYL	5.892	4.984	4.716	4.385	5.060	5.813	4.968	4.739	5.070	10.41
40) ETHYL ACETAT		0.392	0.352	0.370	0.445	0.507	0.424	0.406	0.414	12.53
41) CHLOROFORM	3.355	3.093	3.096	2.665	2.906	3.013	2.674	2.486	2.911	9.82
42) 2,4-DIMETHYL	3.554	3.105	3.175	2.759	3.121	3.322	2.929	2.726	3.086	9.04
43) 1,1,1-TRICHL	3.392	3.119	3.217	2.721	2.950	3.060	2.725	2.552	2.967	9.59
44) CARBON TETRA	3.526	3.102	3.343	2.854	3.116	3.167	2.847	2.674	3.079	9.09
45) 1,2-DICHLORO	1.923	1.980	1.768	1.523	1.846	1.975	1.736	1.618	1.796	9.30

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1071-ICC1071
Lab FileID: W25853.D

46) I	1,4-DIFLUOROBENZENE	----------	ISTD	----------							
47)	BENZENE	1.127	1.004	0.998	0.853	0.918	0.965	0.888	0.841	0.949	10.01
48)	CYCLOHEXANE	0.698	0.538	0.527	0.452	0.455	0.465	0.430	0.407	0.496	18.73
49)	2,3-DIMETHYL	0.264	0.231	0.257	0.227	0.237	0.249	0.231	0.223	0.240	6.29
50)	TRICHLOROETH	0.448	0.419	0.422	0.365	0.388	0.399	0.374	0.358	0.397	7.94
51)	1,2-DICHLORO	0.399	0.353	0.354	0.299	0.332	0.353	0.324	0.309	0.341	9.28
52)	BROMODICHLOR	0.703	0.662	0.635	0.543	0.633	0.664	0.615	0.585	0.630	7.87
53)	2,2,4-TRIMET	1.816	1.640	1.681	1.445	1.589	1.742	1.591	1.458	1.620	7.94
54)	1,4-DIOXANE		0.225	0.184	0.184	0.196	0.209	0.192	0.182	0.196	8.03
55)	METHYL METHA	0.296	0.301	0.241	0.241	0.296	0.338	0.305	0.304	0.290	11.43
56)	HEPTANE	0.946	0.804	0.667	0.570	0.598	0.650	0.589	0.555	0.672	20.24
57)	TVHC as EQUI			4.130	3.899	2.773	2.726	2.536	2.428	3.082	23.91
58)	METHYL ISOBU		0.695	0.515	0.502	0.622	0.738	0.658	0.622	0.622	14.06
59)	cis-1,3-DICH	0.578	0.551	0.465	0.408	0.516	0.554	0.510	0.492	0.509	10.74
60)	TOLUENE	0.738	0.703	0.649	0.566	0.648	0.687	0.635	0.609	0.654	8.31
61)	trans-1,3-DI	0.493	0.449	0.370	0.321	0.429	0.469	0.433	0.423	0.423	12.96
62)	1,1,2-TRICHL	0.305	0.302	0.298	0.262	0.290	0.307	0.284	0.276	0.290	5.39
63) I	CHLOROBENZENE-D5	----------	ISTD	----------							
64)	2-HEXANONE		1.454	1.141	1.033	1.100	1.360	1.191	1.018	1.185	13.92
65)	TETRACHLOROE	1.003	0.968	1.027	0.906	0.871	0.830	0.772	0.690	0.883	13.20
66)	DIBROMOCHLOR	1.418	1.322	1.387	1.194	1.248	1.234	1.136	0.988	1.241	11.27
67)	1,2-DIBROMOE	1.095	1.101	1.026	0.918	1.019	1.031	0.940	0.826	0.995	9.42
68)	OCTANE	1.851	1.652	1.728	1.466	1.605	1.649	1.453	1.242	1.581	11.94
69)	1,1,1,2-TETR	1.067	0.995	1.014	0.873	0.909	0.885	0.822	0.722	0.911	12.31
70)	CHLOROBENZEN	2.060	1.970	1.727	1.507	1.677	1.648	1.516	1.335	1.680	14.36
71)	ETHYLBENZENE	3.001	2.908	2.596	2.359	2.706	2.735	2.474	2.176	2.619	10.56
72)	m,p-XYLENE	1.089	1.100	0.968	0.924	1.059	1.065	0.972	0.853	1.004	8.81
73)	o-XYLENE	1.029	1.033	0.904	0.862	1.002	1.013	0.932	0.814	0.949	8.76
74)	STYRENE	1.403	1.462	1.183	1.096	1.495	1.575	1.437	1.279	1.366	12.06
75)	1,2,3-TRICHL		1.179	0.976	0.894	0.973	1.029	0.933	0.831	0.974	11.38
76)	NONANE	1.452	1.372	1.454	1.303	1.481	1.577	1.397	1.189	1.403	8.43
77)	BROMOFORM	1.298	1.274	1.078	0.966	1.112	1.102	1.027	0.918	1.097	12.26
78)	4-BROMOFLUOR	0.963	0.990	1.078	1.084	1.101	1.126	1.069	1.014	1.053	5.44
79)	1,1,2,2-TETR	1.195	1.198	1.150	1.054	1.186	1.257	1.142	1.006	1.149	7.14
80)	ISOPROPYLBEN	2.831	2.819	2.571	2.478	2.838	2.891	2.632	2.317	2.672	7.72
81)	2-CHLOROTOLU	0.650	0.641	0.556	0.530	0.660	0.664	0.622	0.553	0.609	8.91
82)	n-PROPYLBENZ	0.573	0.640	0.571	0.593	0.744	0.775	0.719	0.643	0.657	12.11
83)	4-ETHYLTOLUE	2.014	2.065	1.787	1.858	2.471	2.594	2.367	2.078	2.154	13.54
84)	1,3,5-TRIMET	1.767	1.821	1.612	1.621	1.973	2.094	1.905	1.719	1.814	9.35
85)	TERT-BUTYLBE		0.439	0.448	0.455	0.521	0.541	0.504	0.458	0.481	8.41
86)	1,2,4-TRIMET	1.525	1.577	1.359	1.415	1.849	2.001	1.852	1.654	1.654	13.80
87)	m-DICHLOROBE	0.950	1.041	0.852	0.830	1.114	1.199	1.129	1.028	1.018	12.98
88)	BENZYL CHLOR		1.049	0.674	0.670	1.156	1.454	1.389	1.261	1.093	29.07
89)	p-DICHLOROBE	0.907	0.975	0.813	0.781	1.043	1.131	1.094	0.970	0.964	13.03
90)	SEC-BUTYLBEN		0.456	0.465	0.485	0.585	0.622	0.586	0.529	0.533	12.44
91)	p-ISOPROPYLT		0.393	0.414	0.449	0.550	0.610	0.577	0.511	0.501	16.74
92)	o-DICHLOROBE	0.880	0.931	0.744	0.732	0.925	1.009	0.968	0.847	0.880	11.40
93)	n-BUTYLBENZE			0.220	0.288	0.389	0.492	0.455	0.412	0.376	27.39
94)	HEXACHLOROBU	0.198	0.277	0.351	0.337	0.221	0.293	0.261	0.228	0.271	20.22
95)	1,2,4-TRICHL		0.234	0.173	0.200	0.178	0.235	0.231	0.206	0.208	12.61
96) I	Chlorobenzene-d5(a)	----------	ISTD	----------							
97)	NAPHTHALENE			0.527	0.769	0.450	0.462	0.768	0.678	0.609	24.29

(#) = Out of Range ### Number of calibration levels exceeded format ###

MW1071.M Wed Apr 14 12:08:08 2010 MSW

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	-0.03
2		FREON 115	0.000	0.000	0.0	0#	-4.92#
3		FREON 152A	0.000	0.000	0.0	0#	-4.78#
4		CHLORODIFLUOROMETHANE	0.370	0.332	10.3	92	-0.05
5		DICHLORODIFLUOROMETHANE	3.691	3.358	9.0	93	-0.06
6		PROPYLENE	1.351	1.187	12.1	90	-0.05
7		FREON 114	4.045	3.308	18.2	82	-0.05
8		CHLOROMETHANE	0.437	0.401	8.2	91	-0.05
9		VINYL CHLORIDE	1.588	1.473	7.2	92	-0.05
10		1,3-BUTADIENE	1.314	1.157	11.9	89	-0.05
11		n-BUTANE	2.731	2.312	15.3	88	-0.05
12		BROMOMETHANE	1.332	1.237	7.1	93	-0.04
13		CHLOROETHANE	0.875	0.816	6.7	92	-0.05
14		ACROLEIN	0.552	0.556	-0.7	96	-0.04
15		FREON 123	3.438	3.126	9.1	93	-0.04
16		FREON 123A	2.021	1.875	7.2	95	-0.04
17		TRICHLOROFLUOROMETHANE	3.636	3.322	8.6	91	-0.04
18		ISOPROPYL ALCOHOL	2.552	2.440	4.4	85	-0.04
19		ACETONE	0.670	0.614	8.4	87	-0.04
20		PENTANE	0.485	0.425	12.4	92	-0.04
21	H	TVHC as EQUIV PENTANE	9.023	7.689	14.8	88	-0.04
22		IODOMETHANE	3.613	3.464	4.1	96	-0.04
23		1,1-DICHLOROETHYLENE	1.436	1.277	11.1	91	-0.04
24		CARBON DISULFIDE	4.330	3.546	18.1	83	-0.04
25		ETHANOL	0.636	0.558	12.3	92	-0.04
26		BROMOETHENE	1.377	1.308	5.0	94	-0.04
27		METHYLENE CHLORIDE	1.305	1.155	11.5	94	-0.04
28		3-CHLOROPROPENE	0.701	0.696	0.7	94	-0.04
29		FREON 113	2.431	2.132	12.3	90	-0.04
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.321	15.2	86	-0.03
31		TERTIARY BUTYL ALCOHOL	3.218	3.044	5.4	82	-0.03
32		METHYL TERTIARY BUTYL ETHER	3.913	3.471	11.3	82	-0.03
33		TETRAHYDROFURAN	0.651	0.624	4.1	84	-0.02
34		HEXANE	2.594	2.186	15.7	82	-0.03
35		VINYL ACETATE	0.352	0.351	0.3	84	-0.03
36		1,1-DICHLOROETHANE	2.753	2.346	14.8	83	-0.03
37		METHYL ETHYL KETONE	0.642	0.628	2.2	82	-0.03
38		cis-1,2-DICHLOROETHYLENE	1.580	1.368	13.4	89	-0.03
39		DI-ISOPROPYL ETHER	5.070	4.329	14.6	76	-0.03
40		ETHYL ACETATE	0.414	0.380	8.2	77	-0.03
41		CHLOROFORM	2.911	2.517	13.5	85	-0.03
42		2,4-DIMETHYLPENTANE	3.086	2.668	13.5	82	-0.03

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

43		1,1,1-TRICHLOROETHANE	2.967	2.543	14.3	85	-0.03
44		CARBON TETRACHLORIDE	3.079	2.651	13.9	86	-0.02
45		1,2-DICHLOROETHANE	1.796	1.563	13.0	81	-0.03
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	-0.03
47		BENZENE	0.949	0.812	14.4	87	-0.02
48		CYCLOHEXANE	0.496	0.387	22.0	86	-0.02
49		2,3-DIMETHYLPENTANE	0.240	0.199	17.1	83	-0.03
50		TRICHLOROETHYLENE	0.397	0.329	17.1	85	-0.02
51		1,2-DICHLOROPROPANE	0.341	0.282	17.3	82	-0.02
52		BROMODICHLOROMETHANE	0.630	0.523	17.0	81	-0.02
53		2,2,4-TRIMETHYLPENTANE	1.620	1.383	14.6	82	-0.02
54		1,4-DIOXANE	0.196	0.175	10.7	87	-0.01
55		METHYL METHACRYLATE	0.290	0.263	9.3	80	-0.01
56		HEPTANE	0.672	0.487	27.5	77	-0.01
57	H	TVHC as EQUIV HEPTANE	3.082	2.184	29.1	83	-0.01
58		METHYL ISOBUTYL KETONE	0.622	0.538	13.5	75	0.00
59		cis-1,3-DICHLOROPROPENE	0.509	0.425	16.5	79	-0.01
60		TOLUENE	0.654	0.580	11.3	87	-0.01
61		trans-1,3-DICHLOROPROPENE	0.423	0.414	2.1	91	-0.01
62		1,1,2-TRICHLOROETHANE	0.290	0.251	13.4	84	0.00
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00
64		2-HEXANONE	1.185	1.075	9.3	77	0.00
65		TETRACHLOROETHYLENE	0.883	0.783	11.3	92	0.00
66		DIBROMOCHLOROMETHANE	1.241	1.127	9.2	89	-0.01
67		1,2-DIBROMOETHANE	0.995	0.933	6.2	88	0.00
68		OCTANE	1.581	1.299	17.8	77	0.00
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.792	13.1	87	0.00
70		CHLOROBENZENE	1.680	1.485	11.6	88	0.00
71		ETHYLBENZENE	2.619	2.381	9.1	85	0.00
72		m,p-XYLENE	1.004	0.945	5.9	87	0.00
73		o-XYLENE	0.949	0.905	4.6	87	0.00
74		STYRENE	1.366	1.381	-1.1	86	0.00
75		1,2,3-TRICHLOROPROPANE	0.974	0.867	11.0	82	0.00
76		NONANE	1.403	1.247	11.1	77	0.00
77		BROMOFORM	1.097	1.026	6.5	91	0.00
78	S	4-BROMOFLUOROBENZENE	1.053	1.189	-12.9	103	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.065	7.3	83	0.00
80		ISOPROPYLBENZENE	2.672	2.555	4.4	86	0.00
81		2-CHLOROTOLUENE	0.609	0.607	0.3	89	0.00
82		n-PROPYLBENZENE	0.657	0.688	-4.7	87	0.00
83		4-ETHYLTOLUENE	2.154	2.320	-7.7	87	0.00
84		1,3,5-TRIMETHYLBENZENE	1.814	1.846	-1.8	86	0.00
85		TERT-BUTYLBENZENE	0.481	0.483	-0.4	87	0.00
86		1,2,4-TRIMETHYLBENZENE	1.654	1.790	-8.2	87	0.00
87		m-DICHLOROBENZENE	1.018	1.132	-11.2	92	0.00
88		BENZYL CHLORIDE	1.093	1.345	-23.1	90	0.00
89		p-DICHLOROBENZENE	0.964	1.101	-14.2	95	0.00
90		SEC-BUTYLBENZENE	0.533	0.565	-6.0	89	0.00
91		p-ISOPROPYLTOLUENE	0.501	0.564	-12.6	90	0.00
92		o-DICHLOROBENZENE	0.880	0.970	-10.2	94	0.00
93		n-BUTYLBENZENE	0.376	0.451	-19.9	90	0.00
94		HEXACHLOROBUTADIENE	0.271	0.327	-20.7	109	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.283	-36.1#	118	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	98	0.00
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1072-ICV1071
Lab FileID: W25873.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W25853.D   MW1071.M         Wed Apr 14 12:08:07 2010   MSW
```

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1076-CC1071
Lab FileID: W25962.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	88	-0.01
2		FREON 115	0.000	3.391	0.0	0#	-0.09
3		FREON 152A	0.000	0.000	0.0	0#	-4.78#
4		CHLORODIFLUOROMETHANE	0.370	0.347	6.2	83	-0.09
5		DICHLORODIFLUOROMETHANE	3.691	3.391	8.1	81	-0.09
6		PROPYLENE	1.351	1.527	-13.0	99	-0.09
7		FREON 114	4.045	3.864	4.5	82	-0.08
8		CHLOROMETHANE	0.437	0.477	-9.2	93	-0.09
9		VINYL CHLORIDE	1.588	1.724	-8.6	93	-0.08
10		1,3-BUTADIENE	1.314	1.419	-8.0	93	-0.08
11		n-BUTANE	2.731	3.059	-12.0	100	-0.08
12		BROMOMETHANE	1.332	1.344	-0.9	87	-0.07
13		CHLOROETHANE	0.875	0.984	-12.5	96	-0.07
14		ACROLEIN	0.552	0.565	-2.4	83	0.00
15		FREON 123	3.438	3.565	-3.7	91	-0.04
16		FREON 123A	2.021	1.976	2.2	86	-0.04
17		TRICHLOROFLUOROMETHANE	3.636	3.592	1.2	85	-0.05
18		ISOPROPYL ALCOHOL	2.552	2.662	-4.3	79	0.05
19		ACETONE	0.670	0.696	-3.9	85	0.01
20		PENTANE	0.485	0.529	-9.1	98	-0.04
21	H	TVHC as EQUIV PENTANE	9.023	13.616	-50.9#	134	-0.04
22		IODOMETHANE	3.613	3.480	3.7	82	-0.04
23		1,1-DICHLOROETHYLENE	1.436	1.410	1.8	87	-0.04
24		CARBON DISULFIDE	4.330	4.471	-3.3	90	-0.04
25		ETHANOL	0.636	0.643	-1.1	91	0.05
26		BROMOETHENE	1.377	1.381	-0.3	86	-0.06
27		METHYLENE CHLORIDE	1.305	1.321	-1.2	92	-0.03
28		3-CHLOROPROPENE	0.701	0.764	-9.0	89	-0.03
29		FREON 113	2.431	2.285	6.0	83	-0.03
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.510	3.0	84	-0.02
31		TERTIARY BUTYL ALCOHOL	3.218	2.906	9.7	67	0.06
32		METHYL TERTIARY BUTYL ETHER	3.913	3.555	9.1	72	0.01
33		TETRAHYDROFURAN	0.651	0.628	3.5	72	0.02
34		HEXANE	2.594	2.746	-5.9	88	-0.01
35		VINYL ACETATE	0.352	0.344	2.3	71	0.00
36		1,1-DICHLOROETHANE	2.753	2.862	-4.0	87	-0.01
37		METHYL ETHYL KETONE	0.642	0.628	2.2	71	0.03
38		cis-1,2-DICHLOROETHYLENE	1.580	1.519	3.9	84	0.00
39		DI-ISOPROPYL ETHER	5.070	5.114	-0.9	77	0.00
40		ETHYL ACETATE	0.414	0.415	-0.2	72	0.02
41		CHLOROFORM	2.911	2.870	1.4	84	0.00
42		2,4-DIMETHYLPENTANE	3.086	3.341	-8.3	88	0.00

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1076-CC1071
Lab FileID: W25962.D

43		1,1,1-TRICHLOROETHANE	2.967	2.851	3.9	82	0.00
44		CARBON TETRACHLORIDE	3.079	2.941	4.5	81	0.00
45		1,2-DICHLOROETHANE	1.796	1.858	-3.5	82	0.00
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	78	0.00
47		BENZENE	0.949	1.040	-9.6	84	0.00
48		CYCLOHEXANE	0.496	0.500	-0.8	84	0.00
49		2,3-DIMETHYLPENTANE	0.240	0.270	-12.5	84	0.00
50		TRICHLOROETHYLENE	0.397	0.426	-7.3	83	0.00
51		1,2-DICHLOROPROPANE	0.341	0.383	-12.3	84	0.00
52		BROMODICHLOROMETHANE	0.630	0.685	-8.7	80	0.00
53		2,2,4-TRIMETHYLPENTANE	1.620	1.898	-17.2	85	0.00
54		1,4-DIOXANE	0.196	0.198	-1.0	74	0.04
55		METHYL METHACRYLATE	0.290	0.302	-4.1	69	0.02
56		HEPTANE	0.672	0.738	-9.8	88	0.00
57	H	TVHC as EQUIV HEPTANE	3.082	3.199	-3.8	91	0.00
58		METHYL ISOBUTYL KETONE	0.622	0.704	-13.2	74	0.03
59		cis-1,3-DICHLOROPROPENE	0.509	0.568	-11.6	80	0.00
60		TOLUENE	0.654	0.701	-7.2	79	0.00
61		trans-1,3-DICHLOROPROPENE	0.423	0.471	-11.3	78	0.00
62		1,1,2-TRICHLOROETHANE	0.290	0.319	-10.0	81	0.01
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	77	0.00
64		2-HEXANONE	1.185	1.316	-11.1	75	0.03
65		TETRACHLOROETHYLENE	0.883	0.848	4.0	79	0.00
66		DIBROMOCHLOROMETHANE	1.241	1.257	-1.3	79	0.00
67		1,2-DIBROMOETHANE	0.995	1.039	-4.4	78	0.00
68		OCTANE	1.581	1.887	-19.4	88	0.00
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.908	0.3	79	0.00
70		CHLOROBENZENE	1.680	1.693	-0.8	79	0.00
71		ETHYLBENZENE	2.619	2.704	-3.2	76	0.00
72		m,p-XYLENE	1.004	1.030	-2.6	75	0.00
73		o-XYLENE	0.949	0.981	-3.4	75	0.00
74		STYRENE	1.366	1.470	-7.6	72	0.00
75		1,2,3-TRICHLOROPROPANE	0.974	0.995	-2.2	75	0.00
76		NONANE	1.403	1.743	-24.2	85	0.00
77		BROMOFORM	1.097	1.065	2.9	75	0.00
78	S	4-BROMOFLUOROBENZENE	1.053	1.064	-1.0	73	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.213	-5.6	75	0.00
80		ISOPROPYLBENZENE	2.672	2.744	-2.7	73	0.00
81		2-CHLOROTOLUENE	0.609	0.643	-5.6	75	0.00
82		n-PROPYLBENZENE	0.657	0.711	-8.2	71	0.00
83		4-ETHYLTOLUENE	2.154	2.371	-10.1	71	0.00
84		1,3,5-TRIMETHYLBENZENE	1.814	1.881	-3.7	69	0.00
85		TERT-BUTYLBENZENE	0.481	0.488	-1.5	70	0.00
86		1,2,4-TRIMETHYLBENZENE	1.654	1.857	-12.3	72	0.00
87		m-DICHLOROBENZENE	1.018	1.148	-12.8	74	0.00
88		BENZYL CHLORIDE	1.093	1.320	-20.8	70	0.00
89		p-DICHLOROBENZENE	0.964	1.118	-16.0	76	0.00
90		SEC-BUTYLBENZENE	0.533	0.590	-10.7	73	0.00
91		p-ISOPROPYLTOLUENE	0.501	0.536	-7.0	68	0.00
92		o-DICHLOROBENZENE	0.880	0.949	-7.8	73	0.00
93		n-BUTYLBENZENE	0.376	0.397	-5.6	62	0.00
94		HEXACHLOROBUTADIENE	0.271	0.231	14.8	61	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.205	1.4	67	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	77	0.00
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1076-CC1071
Lab FileID: W25962.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W25853.D   MW1071.M         Tue Apr 20 15:05:43 2010   MSW
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Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	-0.08
2		FREON 115	0.000	3.810	0.0	0#	-0.11
3		FREON 152A	0.000	1.025	0.0	0#	-0.11
4		CHLORODIFLUOROMETHANE	0.370	0.382	-3.2	97	-0.11
5		DICHLORODIFLUOROMETHANE	3.691	3.810	-3.2	96	-0.11
6		PROPYLENE	1.351	1.640	-21.4	113	-0.11
7		FREON 114	4.045	4.216	-4.2	95	-0.11
8		CHLOROMETHANE	0.437	0.520	-19.0	108	-0.11
9		VINYL CHLORIDE	1.588	1.799	-13.3	103	-0.11
10		1,3-BUTADIENE	1.314	1.456	-10.8	102	-0.11
11		n-BUTANE	2.731	3.146	-15.2	109	-0.10
12		BROMOMETHANE	1.332	1.407	-5.6	96	-0.10
13		CHLOROETHANE	0.875	1.024	-17.0	106	-0.11
14		ACROLEIN	0.552	0.600	-8.7	94	-0.10
15		FREON 123	3.438	3.780	-9.9	102	-0.11
16		FREON 123A	2.021	2.084	-3.1	96	-0.11
17		TRICHLOROFLUOROMETHANE	3.636	3.868	-6.4	97	-0.09
18		ISOPROPYL ALCOHOL	2.552	2.777	-8.8	88	-0.14
19		ACETONE	0.670	0.706	-5.4	92	-0.10
20		PENTANE	0.485	0.540	-11.3	106	-0.09
21	H	TVHC as EQUIV PENTANE	9.023	9.708	-7.6	102	-0.09
22		IODOMETHANE	3.613	3.673	-1.7	93	-0.09
23		1,1-DICHLOROETHYLENE	1.436	1.515	-5.5	99	-0.09
24		CARBON DISULFIDE	4.330	4.631	-7.0	99	-0.09
25		ETHANOL	0.636	0.619	2.7	93	-0.14
26		BROMOETHENE	1.377	1.450	-5.3	96	-0.10
27		METHYLENE CHLORIDE	1.305	1.440	-10.3	107	-0.09
28		3-CHLOROPROPENE	0.701	0.820	-17.0	101	-0.09
29		FREON 113	2.431	2.436	-0.2	94	-0.09
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.544	0.8	92	-0.08
31		TERTIARY BUTYL ALCOHOL	3.218	3.439	-6.9	85	-0.12
32		METHYL TERTIARY BUTYL ETHER	3.913	3.450	11.8	74	-0.08
33		TETRAHYDROFURAN	0.651	0.614	5.7	75	-0.06
34		HEXANE	2.594	2.838	-9.4	97	-0.08
35		VINYL ACETATE	0.352	0.341	3.1	74	-0.08
36		1,1-DICHLOROETHANE	2.753	3.006	-9.2	97	-0.08
37		METHYL ETHYL KETONE	0.642	0.627	2.3	75	-0.09
38		cis-1,2-DICHLOROETHYLENE	1.580	1.550	1.9	92	-0.08
39		DI-ISOPROPYL ETHER	5.070	5.024	0.9	81	-0.08
40		ETHYL ACETATE	0.414	0.423	-2.2	78	-0.08
41		CHLOROFORM	2.911	2.999	-3.0	93	-0.08
42		2,4-DIMETHYLPENTANE	3.086	3.473	-12.5	97	-0.07

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

43		1,1,1-TRICHLOROETHANE	2.967	2.932	1.2	89	-0.07
44		CARBON TETRACHLORIDE	3.079	3.061	0.6	90	-0.06
45		1,2-DICHLOROETHANE	1.796	1.914	-6.6	90	-0.08
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	-0.06
47		BENZENE	0.949	1.074	-13.2	91	-0.06
48		CYCLOHEXANE	0.496	0.520	-4.8	91	-0.06
49		2,3-DIMETHYLPENTANE	0.240	0.285	-18.7	94	-0.06
50		TRICHLOROETHYLENE	0.397	0.443	-11.6	91	-0.06
51		1,2-DICHLOROPROPANE	0.341	0.392	-15.0	91	-0.06
52		BROMODICHLOROMETHANE	0.630	0.711	-12.9	88	-0.06
53		2,2,4-TRIMETHYLPENTANE	1.620	2.054	-26.8	96	0.02
54		1,4-DIOXANE	0.196	0.194	1.0	76	-0.05
55		METHYL METHACRYLATE	0.290	0.297	-2.4	72	-0.05
56		HEPTANE	0.672	0.777	-15.6	98	-0.05
57	H	TVHC as EQUIV HEPTANE	3.082	3.188	-3.4	96	-0.05
58		METHYL ISOBUTYL KETONE	0.622	0.693	-11.4	77	-0.05
59		cis-1,3-DICHLOROPROPENE	0.509	0.572	-12.4	84	-0.05
60		TOLUENE	0.654	0.698	-6.7	83	-0.04
61		trans-1,3-DICHLOROPROPENE	0.423	0.462	-9.2	81	-0.05
62		1,1,2-TRICHLOROETHANE	0.290	0.323	-11.4	86	-0.05
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	81	-0.03
64		2-HEXANONE	1.185	1.294	-9.2	77	-0.04
65		TETRACHLOROETHYLENE	0.883	0.838	5.1	82	-0.03
66		DIBROMOCHLOROMETHANE	1.241	1.256	-1.2	83	-0.04
67		1,2-DIBROMOETHANE	0.995	1.028	-3.3	81	-0.04
68		OCTANE	1.581	1.953	-23.5	96	-0.03
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.906	0.5	83	-0.03
70		CHLOROBENZENE	1.680	1.700	-1.2	84	-0.03
71		ETHYLBENZENE	2.619	2.662	-1.6	79	-0.03
72		m,p-XYLENE	1.004	1.016	-1.2	77	-0.03
73		o-XYLENE	0.949	0.973	-2.5	78	-0.03
74		STYRENE	1.366	1.423	-4.2	73	-0.03
75		1,2,3-TRICHLOROPROPANE	0.974	0.993	-2.0	78	-0.03
76		NONANE	1.403	1.766	-25.9	91	-0.02
77		BROMOFORM	1.097	1.045	4.7	77	-0.03
78	S	4-BROMOFLUOROBENZENE	1.053	1.023	2.8	74	-0.02
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.224	-6.5	79	-0.03
80		ISOPROPYLBENZENE	2.672	2.673	-0.0	75	-0.02
81		2-CHLOROTOLUENE	0.609	0.635	-4.3	78	-0.02
82		n-PROPYLBENZENE	0.657	0.694	-5.6	73	-0.02
83		4-ETHYLTOLUENE	2.154	2.300	-6.8	72	-0.02
84		1,3,5-TRIMETHYLBENZENE	1.814	1.812	0.1	70	-0.02
85		TERT-BUTYLBENZENE	0.481	0.466	3.1	70	-0.02
86		1,2,4-TRIMETHYLBENZENE	1.654	1.757	-6.2	71	-0.02
87		m-DICHLOROBENZENE	1.018	1.094	-7.5	74	-0.02
88		BENZYL CHLORIDE	1.093	1.221	-11.7	68	-0.02
89		p-DICHLOROBENZENE	0.964	1.008	-4.6	72	-0.02
90		SEC-BUTYLBENZENE	0.533	0.531	0.4	69	-0.02
91		p-ISOPROPYLTOLUENE	0.501	0.510	-1.8	68	-0.02
92		o-DICHLOROBENZENE	0.880	0.890	-1.1	72	-0.02
93		n-BUTYLBENZENE	0.376	0.381	-1.3	63	-0.02
94		HEXACHLOROBUTADIENE	0.271	0.260	4.1	72	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.203	2.4	70	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	81	-0.03
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1077-CC1071
Lab FileID: W25990.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0

W25853.D MW1071.M Wed Apr 21 14:28:55 2010 MSW

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	-0.09
2		FREON 115	0.000	3.896	0.0	0#	-0.11
3		FREON 152A	0.000	1.059	0.0	0#	-0.11
4		CHLORODIFLUOROMETHANE	0.370	0.404	-9.2	92	-0.11
5		DICHLORODIFLUOROMETHANE	3.691	3.896	-5.6	89	-0.11
6		PROPYLENE	1.351	1.658	-22.7	103	-0.11
7		FREON 114	4.045	4.331	-7.1	89	-0.11
8		CHLOROMETHANE	0.437	0.533	-22.0	100	-0.11
9		VINYL CHLORIDE	1.588	1.848	-16.4	95	-0.11
10		1,3-BUTADIENE	1.314	1.478	-12.5	93	-0.11
11		n-BUTANE	2.731	3.221	-17.9	101	-0.11
12		BROMOMETHANE	1.332	1.429	-7.3	88	-0.11
13		CHLOROETHANE	0.875	1.029	-17.6	96	-0.11
14		ACROLEIN	0.552	0.584	-5.8	83	-0.11
15		FREON 123	3.438	3.774	-9.8	92	-0.11
16		FREON 123A	2.021	2.097	-3.8	88	-0.11
17		TRICHLOROFLUOROMETHANE	3.636	4.111	-13.1	93	-0.10
18		ISOPROPYL ALCOHOL	2.552	2.886	-13.1	83	-0.15
19		ACETONE	0.670	0.710	-6.0	83	-0.11
20		PENTANE	0.485	0.563	-16.1	100	-0.10
21	H	TVHC as EQUIV PENTANE	9.023	10.192	-13.0	96	-0.10
22		IODOMETHANE	3.613	3.778	-4.6	86	-0.10
23		1,1-DICHLOROETHYLENE	1.436	1.580	-10.0	93	-0.10
24		CARBON DISULFIDE	4.330	4.670	-7.9	90	-0.09
25		ETHANOL	0.636	0.630	0.9	85	-0.15
26		BROMOETHENE	1.377	1.493	-8.4	89	-0.11
27		METHYLENE CHLORIDE	1.305	1.471	-12.7	99	-0.11
28		3-CHLOROPROPENE	0.701	0.834	-19.0	93	-0.10
29		FREON 113	2.431	2.367	2.6	82	-0.10
30		TRANS-1,2-DICHLOROETHYLENE	1.557	1.552	0.3	83	-0.09
31		TERTIARY BUTYL ALCOHOL	3.218	3.615	-12.3	80	-0.14
32		METHYL TERTIARY BUTYL ETHER	3.913	3.489	10.8	68	-0.09
33		TETRAHYDROFURAN	0.651	0.606	6.9	67	-0.08
34		HEXANE	2.594	2.894	-11.6	89	-0.08
35		VINYL ACETATE	0.352	0.341	3.1	67	-0.09
36		1,1-DICHLOROETHANE	2.753	2.983	-8.4	87	-0.09
37		METHYL ETHYL KETONE	0.642	0.624	2.8	68	-0.09
38		cis-1,2-DICHLOROETHYLENE	1.580	1.522	3.7	81	-0.08
39		DI-ISOPROPYL ETHER	5.070	5.138	-1.3	74	-0.09
40		ETHYL ACETATE	0.414	0.416	-0.5	69	-0.09
41		CHLOROFORM	2.911	3.006	-3.3	84	-0.09
42		2,4-DIMETHYLPENTANE	3.086	3.495	-13.3	89	-0.08

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

43		1,1,1-TRICHLOROETHANE	2.967	2.965	0.1	82	-0.08
44		CARBON TETRACHLORIDE	3.079	3.115	-1.2	83	-0.06
45		1,2-DICHLOROETHANE	1.796	1.939	-8.0	83	-0.08
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	72	-0.07
47		BENZENE	0.949	1.080	-13.8	80	-0.07
48		CYCLOHEXANE	0.496	0.537	-8.3	83	-0.06
49		2,3-DIMETHYLPENTANE	0.240	0.294	-22.5	85	-0.06
50		TRICHLOROETHYLENE	0.397	0.454	-14.4	82	-0.06
51		1,2-DICHLOROPROPANE	0.341	0.394	-15.5	80	-0.07
52		BROMODICHLOROMETHANE	0.630	0.725	-15.1	78	-0.06
53		2,2,4-TRIMETHYLPENTANE	1.620	2.075	-28.1	85	0.01
54		1,4-DIOXANE	0.196	0.198	-1.0	68	-0.06
55		METHYL METHACRYLATE	0.290	0.304	-4.8	64	-0.06
56		HEPTANE	0.672	0.813	-21.0	90	-0.05
57	H	TVHC as EQUIV HEPTANE	3.082	3.293	-6.8	87	-0.06
58		METHYL ISOBUTYL KETONE	0.622	0.735	-18.2	71	-0.05
59		cis-1,3-DICHLOROPROPENE	0.509	0.571	-12.2	74	-0.06
60		TOLUENE	0.654	0.694	-6.1	72	-0.05
61		trans-1,3-DICHLOROPROPENE	0.423	0.470	-11.1	72	-0.05
62		1,1,2-TRICHLOROETHANE	0.290	0.322	-11.0	75	-0.05
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	74	-0.03
64		2-HEXANONE	1.185	1.322	-11.6	72	-0.05
65		TETRACHLOROETHYLENE	0.883	0.794	10.1	71	-0.03
66		DIBROMOCHLOROMETHANE	1.241	1.212	2.3	73	-0.05
67		1,2-DIBROMOETHANE	0.995	0.991	0.4	71	-0.04
68		OCTANE	1.581	1.934	-22.3	87	-0.03
69		1,1,1,2-TETRACHLOROETHANE	0.911	0.871	4.4	73	-0.03
70		CHLOROBENZENE	1.680	1.627	3.2	73	-0.04
71		ETHYLBENZENE	2.619	2.569	1.9	69	-0.03
72		m,p-XYLENE	1.004	0.981	2.3	68	-0.03
73		o-XYLENE	0.949	0.931	1.9	68	-0.03
74		STYRENE	1.366	1.370	-0.3	64	-0.03
75		1,2,3-TRICHLOROPROPANE	0.974	0.979	-0.5	70	-0.03
76		NONANE	1.403	1.738	-23.9	81	-0.02
77		BROMOFORM	1.097	0.997	9.1	67	-0.03
78	S	4-BROMOFLUOROBENZENE	1.053	1.034	1.8	68	-0.02
79		1,1,2,2-TETRACHLOROETHANE	1.149	1.199	-4.4	70	-0.03
80		ISOPROPYLBENZENE	2.672	2.609	2.4	67	-0.02
81		2-CHLOROTOLUENE	0.609	0.597	2.0	66	-0.02
82		n-PROPYLBENZENE	0.657	0.674	-2.6	64	-0.02
83		4-ETHYLTOLUENE	2.154	2.244	-4.2	64	-0.02
84		1,3,5-TRIMETHYLBENZENE	1.814	1.780	1.9	63	-0.02
85		TERT-BUTYLBENZENE	0.481	0.449	6.7	61	-0.02
86		1,2,4-TRIMETHYLBENZENE	1.654	1.718	-3.9	63	-0.02
87		m-DICHLOROBENZENE	1.018	1.036	-1.8	64	-0.02
88		BENZYL CHLORIDE	1.093	1.204	-10.2	61	-0.02
89		p-DICHLOROBENZENE	0.964	0.972	-0.8	64	-0.02
90		SEC-BUTYLBENZENE	0.533	0.511	4.1	61	-0.02
91		p-ISOPROPYLTOLUENE	0.501	0.492	1.8	60	-0.02
92		o-DICHLOROBENZENE	0.880	0.846	3.9	62	-0.02
93		n-BUTYLBENZENE	0.376	0.365	2.9	55	-0.02
94		HEXACHLOROBUTADIENE	0.271	0.246	9.2	62	0.00
95		1,2,4-TRICHLOROBENZENE	0.208	0.204	1.9	64	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	74	-0.03
97		NAPHTHALENE	0.609	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1078-CC1071
Lab FileID: W26017.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W25853.D   MW1071.M         Wed Apr 21 16:43:14 2010   MSW
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Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1082-ICC1082
Lab FileID: W26143.D

Response Factor Report MSW

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

Calibration Files
0.04=W26150.D 0.1 =W26149.D 0.2 =W26158.D 0.5 =W26144.D
5 =W26145.D 10 =W26143.D 20 =W26147.D 40 =W26153.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD									
2) FREON 115									0.000	-1.00
3) FREON 152A		0.848	0.960	0.852	0.889	0.818	0.829	0.681	0.840	10.06
4) CHLORODIFLUO			0.406	0.309	0.309	0.287	0.285	0.235	0.305	18.42
5) DICHLORODIFL	4.352	3.447	3.992	3.373	3.462	3.182	3.151	2.606	3.446	15.46
6) PROPYLENE		1.216	1.570	1.257	1.188	1.110	1.107	0.921	1.195	16.56
7) FREON 114	5.307	3.952	4.831	3.965	4.212	3.914	3.921	3.239	4.168	15.22
8) CHLOROMETHAN	0.500	0.423	0.469	0.412	0.429	0.401	0.398	0.327	0.420	12.24
9) VINYL CHLORI	1.989	1.563	1.841	1.557	1.594	1.493	1.490	1.224	1.594	14.58
10) 1,3-BUTADIEN	1.495	1.149	1.367	1.195	1.249	1.174	1.184	0.981	1.224	12.51
11) n-BUTANE		2.690	2.865	2.405	2.435	2.268	2.239	1.864	2.395	13.55
12) BROMOMETHANE	1.579	1.284	1.587	1.357	1.466	1.338	1.345	1.099	1.382	11.66
13) CHLOROETHANE	0.921	0.862	0.991	0.865	0.923	0.851	0.859	0.704	0.872	9.52
14) ACROLEIN			0.432	0.458	0.503	0.492	0.538	0.466	0.481	7.79
15) FREON 123	4.225	3.645	4.180	3.580	3.714	3.425	3.476	2.877	3.640	11.83
16) FREON 123A	2.754	2.105	2.579	2.167	2.208	2.020	2.043	1.682	2.195	15.26
17) TRICHLOROFLU	4.191	3.402	4.071	3.334	3.517	3.242	3.219	2.631	3.451	14.37
18) ISOPROPYL AL			2.469	2.401	2.381	2.225	2.382	1.988	2.308	7.63
19) ACETONE		0.712	0.587	0.669	0.639	0.607	0.666	0.562	0.635	8.25
20) PENTANE	0.552	0.385	0.539	0.464	0.474	0.432	0.427	0.353	0.453	15.28
21) TVHC as EQUI		0.861	1.008	0.857	0.798	0.733	0.730	0.596	0.798	E1 16.30
22) IODOMETHANE	4.491	3.779	4.673	3.818	4.172	3.756	3.797	3.092	3.947	12.51
23) 1,1-DICHLORO		1.766	1.818	1.567	1.588	1.452	1.456	1.197	1.549	13.52
24) CARBON DISUL	5.267	4.552	4.979	4.257	4.553	4.113	4.090	3.342	4.394	13.47
25) ETHANOL			0.663	0.664	0.542	0.497	0.539	0.445	0.558	15.89
26) BROMOETHENE	1.830	1.389	1.706	1.451	1.553	1.406	1.414	1.154	1.488	14.00
27) METHYLENE CH			1.733	1.433	1.331	1.232	1.250	1.030	1.335	17.70
28) 3-CHLOROPROP	0.752	0.734	0.785	0.719	0.756	0.705	0.721	0.588	0.720	8.19
29) FREON 113	3.263	2.569	3.142	2.592	2.709	2.447	2.481	2.022	2.653	14.90
30) TRANS-1,2-DI		1.770	1.803	1.462	1.620	1.493	1.524	1.256	1.561	12.10
31) TERTIARY BUT		3.180	2.990	3.181	3.092	2.807	2.942	2.280	2.925	10.75
32) METHYL TERTI	5.114	3.929	3.481	3.713	3.817	3.496	3.896	3.267	3.839	14.69
33) TETRAHYDROFU	0.586	0.639	0.611	0.672	0.718	0.644	0.726	0.614	0.651	7.75
34) HEXANE	3.306	2.361	2.995	2.562	2.650	2.452	2.488	2.074	2.611	14.65
35) VINYL ACETAT		0.254	0.280	0.321	0.375	0.354	0.391	0.334	0.330	14.97
36) 1,1-DICHLORO	3.155	2.759	3.051	2.724	2.801	2.594	2.651	2.173	2.739	10.91
37) METHYL ETHYL			0.535	0.616	0.689	0.644	0.717	0.609	0.635	10.15
38) cis-1,2-DICH		1.779	2.003	1.604	1.658	1.529	1.588	1.303	1.638	13.22
39) DI-ISOPROPYL	6.416	4.907	4.331	4.647	4.832	4.475	5.009	4.249	4.858	14.11
40) ETHYL ACETAT		0.423	0.421	0.471	0.437	0.403	0.461	0.393	0.430	6.62
41) CHLOROFORM	3.482	2.889	3.296	2.881	2.989	2.766	2.801	2.307	2.926	12.10
42) 2,4-DIMETHYL	3.791	3.152	3.539	3.070	3.235	2.980	3.061	2.524	3.169	11.94
43) 1,1,1-TRICHL	3.671	2.947	3.387	2.982	2.973	2.743	2.810	2.319	2.979	13.70
44) CARBON TETRA	3.733	2.997	3.373	2.989	3.123	2.871	2.930	2.429	3.056	12.46
45) 1,2-DICHLORO	1.873	1.424	1.572	1.603	1.622	1.538	1.618	1.366	1.577	9.63

Initial Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1082-ICC1082
Lab FileID: W26143.D

46)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------							
47)	BENZENE	1.249	1.000	1.171	0.990	1.045	0.969	1.013	0.839	1.034	12.16
48)	CYCLOHEXANE		0.527	0.645	0.497	0.514	0.463	0.472	0.392	0.501	15.36
49)	2,3-DIMETHYL	0.308	0.256	0.326	0.254	0.265	0.244	0.252	0.212	0.265	13.72
50)	TRICHLOROETH	0.515	0.416	0.503	0.402	0.431	0.401	0.425	0.368	0.433	11.75
51)	1,2-DICHLORO		0.417	0.450	0.375	0.369	0.342	0.364	0.306	0.375	12.63
52)	BROMODICHLOR	0.744	0.607	0.743	0.619	0.668	0.622	0.659	0.564	0.653	9.83
53)	2,2,4-TRIMET	2.056	1.571	1.985	1.628	1.725	1.597	1.682	1.455	1.712	12.08
54)	1,4-DIOXANE			0.265	0.247	0.205	0.183	0.203	0.171	0.212	17.16
55)	METHYL METHA	0.338	0.284	0.264	0.278	0.309	0.286	0.334	0.290	0.298	8.97
56)	HEPTANE	0.780	0.602	0.729	0.599	0.607	0.564	0.584	0.492	0.620	14.84
57)	TVHC as EQUI		2.646	3.363	2.735	2.858	2.585	2.585	2.201	2.710	13.00
58)	METHYL ISOBU		0.479	0.551	0.598	0.588	0.543	0.611	0.529	0.557	8.22
59)	cis-1,3-DICH	0.643	0.509	0.549	0.467	0.540	0.507	0.546	0.466	0.528	10.72
60)	TOLUENE	0.855	0.684	0.766	0.660	0.718	0.674	0.729	0.617	0.713	10.32
61)	trans-1,3-DI	0.479	0.350	0.370	0.323	0.401	0.389	0.431	0.376	0.390	12.37
62)	1,1,2-TRICHL	0.344	0.298	0.340	0.303	0.326	0.303	0.326	0.278	0.315	7.19
63)	I CHLOROBENZENE-D5	----------	ISTD	----------							
64)	2-HEXANONE		0.865	1.077	1.245	1.196	1.088	1.154	0.935	1.080	12.74
65)	TETRACHLOROE	1.345	1.117	1.402	1.106	1.133	0.991	0.987	0.778	1.107	18.07
66)	DIBROMOCHLOR	1.777	1.458	1.665	1.414	1.521	1.356	1.357	1.070	1.452	14.75
67)	1,2-DIBROMOE	1.291	1.123	1.192	1.088	1.229	1.110	1.139	0.901	1.134	10.22
68)	OCTANE	2.259	1.793	2.019	1.809	1.783	1.615	1.596	1.247	1.765	17.02
69)	1,1,1,2-TETR	1.378	1.174	1.338	1.137	1.135	1.017	1.043	0.830	1.131	15.57
70)	CHLOROBENZEN	2.587	2.126	2.210	1.954	2.060	1.858	1.911	1.537	2.030	14.95
71)	ETHYLBENZENE	3.967	3.299	3.340	3.139	3.336	3.001	3.073	2.405	3.195	13.62
72)	m,p-XYLENE	1.525	1.299	1.260	1.216	1.296	1.178	1.234	0.982	1.249	12.06
73)	o-XYLENE	1.473	1.268	1.223	1.222	1.255	1.137	1.188	0.952	1.215	11.92
74)	STYRENE	1.698	1.507	1.323	1.411	1.787	1.661	1.753	1.401	1.568	11.42
75)	1,2,3-TRICHL		1.372	1.096	1.134	1.123	1.024	1.090	0.873	1.102	13.51
76)	NONANE	1.878	1.437	1.622	1.593	1.656	1.509	1.533	1.208	1.554	12.35
77)	BROMOFORM	1.529	1.308	1.395	1.193	1.375	1.252	1.300	1.044	1.300	11.13
78)	4-BROMOFLUOR	0.869	0.912	0.944	0.988	1.033	1.035	1.047	0.911	0.967	7.01
79)	1,1,2,2-TETR	1.657	1.482	1.488	1.516	1.486	1.364	1.440	1.160	1.449	9.86
80)	ISOPROPYLBEN	4.134	3.461	3.420	3.398	3.522	3.198	3.328	2.621	3.385	12.28
81)	2-CHLOROTOLU	0.987	0.780	0.764	0.753	0.830	0.757	0.790	0.639	0.787	12.35
82)	n-PROPYLBENZ	0.814	0.806	0.712	0.815	0.918	0.854	0.915	0.746	0.822	8.85
83)	4-ETHYLTOLUE	2.735	2.361	2.081	2.508	2.994	2.793	2.974	2.380	2.603	12.44
84)	1,3,5-TRIMET	2.862	2.172	2.009	2.226	2.423	2.205	2.361	1.893	2.269	13.00
85)	TERT-BUTYLBE		0.604	0.616	0.642	0.642	0.590	0.653	0.542	0.613	6.30
86)	1,2,4-TRIMET	2.284	1.855	1.737	2.010	2.276	2.117	2.340	1.918	2.067	10.77
87)	m-DICHLOROBE			0.745	1.066	1.409	1.342	1.447	1.180	1.198	22.10
88)	BENZYL CHLOR			0.432	0.773	1.403	1.409	1.601	1.358	1.163	39.13
89)	p-DICHLOROBE			0.607	0.870	1.312	1.261	1.363	1.132	1.091	27.10
90)	SEC-BUTYLBEN		0.656	0.643	0.721	0.731	0.683	0.749	0.616	0.686	7.30
91)	p-ISOPROPYLT		0.587	0.564	0.669	0.702	0.651	0.738	0.618	0.647	9.57
92)	o-DICHLOROBE	1.171	1.132	0.964	0.997	1.226	1.154	1.238	1.002	1.110	9.73
93)	n-BUTYLBENZE			0.207	0.357	0.509	0.503	0.565	0.474	0.436	30.22
94)	HEXACHLOROBU			0.498	0.556	0.332	0.307	0.275	0.226	0.366	35.87
95)	1,2,4-TRICHL		0.260	0.166	0.243	0.241	0.229	0.243	0.220	0.229	13.25
96)	I Chlorobenzene-d5(a)	----------	ISTD	----------							
97)	NAPHTHALENE			0.184	0.370	0.613	0.518	0.682	0.772	0.523	41.34

(#) = Out of Range ### Number of calibration levels exceeded format ###

MW1082.M Thu May 06 09:51:38 2010 MSW

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-CC1082
Lab FileID: W26160.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	89	0.00
2		FREON 115	0.000	0.000	0.0	0#	-4.92#
3		FREON 152A	0.840	0.862	-2.6	94	0.01
4		CHLORODIFLUOROMETHANE	0.305	0.289	5.2	90	0.00
5		DICHLORODIFLUOROMETHANE	3.446	3.317	3.7	93	0.00
6		PROPYLENE	1.195	1.117	6.5	90	0.01
7		FREON 114	4.168	4.136	0.8	94	0.00
8		CHLOROMETHANE	0.420	0.416	1.0	93	0.00
9		VINYL CHLORIDE	1.594	1.553	2.6	93	0.01
10		1,3-BUTADIENE	1.224	1.207	1.4	92	0.00
11		n-BUTANE	2.395	2.309	3.6	91	0.00
12		BROMOMETHANE	1.382	1.420	-2.7	95	0.00
13		CHLOROETHANE	0.872	0.883	-1.3	93	0.01
14		ACROLEIN	0.481	0.486	-1.0	88	0.00
15		FREON 123	3.640	3.613	0.7	94	0.00
16		FREON 123A	2.195	2.152	2.0	95	0.00
17		TRICHLOROFLUOROMETHANE	3.451	3.322	3.7	92	0.00
18		ISOPROPYL ALCOHOL	2.308	2.087	9.6	84	0.02
19		ACETONE	0.635	0.602	5.2	89	0.00
20		PENTANE	0.453	0.435	4.0	90	0.00
21	H	TVHC as EQUIV PENTANE	7.976	7.449	6.6	91	0.00
22		IODOMETHANE	3.947	4.002	-1.4	95	0.00
23		1,1-DICHLOROETHYLENE	1.549	1.515	2.2	93	0.00
24		CARBON DISULFIDE	4.394	4.313	1.8	94	0.00
25		ETHANOL	0.558	0.477	14.5	86	0.02
26		BROMOETHENE	1.488	1.486	0.1	95	0.00
27		METHYLENE CHLORIDE	1.335	1.297	2.8	94	0.01
28		3-CHLOROPROPENE	0.720	0.729	-1.3	92	0.00
29		FREON 113	2.653	2.607	1.7	95	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.561	1.571	-0.6	94	0.00
31		TERTIARY BUTYL ALCOHOL	2.925	2.685	8.2	85	0.02
32		METHYL TERTIARY BUTYL ETHER	3.839	3.473	9.5	89	0.00
33		TETRAHYDROFURAN	0.651	0.647	0.6	90	0.00
34		HEXANE	2.611	2.512	3.8	92	0.00
35		VINYL ACETATE	0.330	0.373	-13.0	94	0.00
36		1,1-DICHLOROETHANE	2.739	2.708	1.1	93	0.00
37		METHYL ETHYL KETONE	0.635	0.616	3.0	85	0.01
38		cis-1,2-DICHLOROETHYLENE	1.638	1.637	0.1	96	0.00
39		DI-ISOPROPYL ETHER	4.858	4.317	11.1	86	0.00
40		ETHYL ACETATE	0.430	0.399	7.2	88	0.00
41		CHLOROFORM	2.926	2.885	1.4	93	0.00
42		2,4-DIMETHYLPENTANE	3.169	3.100	2.2	93	0.00

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-CC1082
Lab FileID: W26160.D

43		1,1,1-TRICHLOROETHANE	2.979	2.882	3.3	94	0.00
44		CARBON TETRACHLORIDE	3.056	3.002	1.8	93	0.00
45		1,2-DICHLOROETHANE	1.577	1.568	0.6	91	0.00
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	85	0.00
47		BENZENE	1.034	1.072	-3.7	94	0.00
48		CYCLOHEXANE	0.501	0.515	-2.8	95	0.00
49		2,3-DIMETHYLPENTANE	0.265	0.271	-2.3	95	0.00
50		TRICHLOROETHYLENE	0.433	0.439	-1.4	93	0.00
51		1,2-DICHLOROPROPANE	0.375	0.374	0.3	93	0.00
52		BROMODICHLOROMETHANE	0.653	0.677	-3.7	93	0.00
53		2,2,4-TRIMETHYLPENTANE	1.712	1.762	-2.9	94	0.00
54		1,4-DIOXANE	0.212	0.186	12.3	86	0.02
55		METHYL METHACRYLATE	0.298	0.294	1.3	87	0.00
56		HEPTANE	0.620	0.610	1.6	92	0.00
57	H	TVHC as EQUIV HEPTANE	2.710	2.790	-3.0	92	0.00
58		METHYL ISOBUTYL KETONE	0.557	0.531	4.7	83	0.00
59		cis-1,3-DICHLOROPROPENE	0.528	0.543	-2.8	91	0.00
60		TOLUENE	0.713	0.751	-5.3	95	0.00
61		trans-1,3-DICHLOROPROPENE	0.390	0.418	-7.2	91	0.00
62		1,1,2-TRICHLOROETHANE	0.315	0.334	-6.0	94	0.00
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	86	0.00
64		2-HEXANONE	1.080	1.066	1.3	84	0.00
65		TETRACHLOROETHYLENE	1.107	1.119	-1.1	97	0.00
66		DIBROMOCHLOROMETHANE	1.452	1.489	-2.5	94	0.00
67		1,2-DIBROMOETHANE	1.134	1.210	-6.7	93	0.00
68		OCTANE	1.765	1.742	1.3	92	0.00
69		1,1,1,2-TETRACHLOROETHANE	1.131	1.139	-0.7	96	0.00
70		CHLOROBENZENE	2.030	2.052	-1.1	95	0.00
71		ETHYLBENZENE	3.195	3.292	-3.0	94	0.00
72		m,p-XYLENE	1.249	1.306	-4.6	95	0.00
73		o-XYLENE	1.215	1.268	-4.4	95	0.00
74		STYRENE	1.568	1.831	-16.8	94	0.00
75		1,2,3-TRICHLOROPROPANE	1.102	1.108	-0.5	93	0.00
76		NONANE	1.554	1.634	-5.1	93	0.00
77		BROMOFORM	1.300	1.397	-7.5	95	0.00
78	S	4-BROMOFLUOROBENZENE	0.967	1.109	-14.7	92	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.449	1.487	-2.6	93	0.00
80		ISOPROPYLBENZENE	3.385	3.534	-4.4	95	0.00
81		2-CHLOROTOLUENE	0.787	0.852	-8.3	96	0.00
82		n-PROPYLBENZENE	0.822	0.947	-15.2	95	0.00
83		4-ETHYLTOLUENE	2.603	3.054	-17.3	94	0.00
84		1,3,5-TRIMETHYLBENZENE	2.269	2.415	-6.4	94	0.00
85		TERT-BUTYLBENZENE	0.613	0.648	-5.7	94	0.00
86		1,2,4-TRIMETHYLBENZENE	2.067	2.299	-11.2	93	0.00
87		m-DICHLOROBENZENE	1.198	1.493	-24.6	95	0.00
88		BENZYL CHLORIDE	1.163	1.479	-27.2	90	0.00
89		p-DICHLOROBENZENE	1.091	1.405	-28.8	95	0.00
90		SEC-BUTYLBENZENE	0.686	0.754	-9.9	94	0.00
91		p-ISOPROPYLTOLUENE	0.647	0.703	-8.7	92	0.00
92		o-DICHLOROBENZENE	1.110	1.283	-15.6	95	0.00
93		n-BUTYLBENZENE	0.436	0.533	-22.2	91	0.00
94		HEXACHLOROBUTADIENE	0.366	0.303	17.2	84	0.00
95		1,2,4-TRICHLOROBENZENE	0.229	0.219	4.4	82	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	86	0.00
97		NAPHTHALENE	0.523	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-CC1082
Lab FileID: W26160.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W26143.D MW1082.M Thu May 06 11:24:47 2010 MSW

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-ICV1082
Lab FileID: W26161.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : ICV1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00
2		FREON 115	0.000	0.000	0.0	0#	-4.92#
3		FREON 152A	0.840	0.732	12.9	100	0.00
4		CHLORODIFLUOROMETHANE	0.305	0.247	19.0	96	0.01
5		DICHLORODIFLUOROMETHANE	3.446	2.821	18.1	99	0.00
6		PROPYLENE	1.195	0.941	21.3	95	0.01
7		FREON 114	4.168	3.558	14.6	102	0.00
8		CHLOROMETHANE	0.420	0.345	17.9	96	0.00
9		VINYL CHLORIDE	1.594	1.330	16.6	100	0.00
10		1,3-BUTADIENE	1.224	1.035	15.4	98	0.00
11		n-BUTANE	2.395	1.937	19.1	96	0.00
12		BROMOMETHANE	1.382	1.241	10.2	104	0.00
13		CHLOROETHANE	0.872	0.764	12.4	100	0.00
14		ACROLEIN	0.481	0.447	7.1	102	0.01
15		FREON 123	3.640	3.153	13.4	103	0.00
16		FREON 123A	2.195	1.887	14.0	104	0.00
17		TRICHLOROFLUOROMETHANE	3.451	2.894	16.1	100	0.00
18		ISOPROPYL ALCOHOL	2.308	2.028	12.1	102	0.03
19		ACETONE	0.635	0.578	9.0	106	0.00
20		PENTANE	0.453	0.382	15.7	99	0.00
21	H	TVHC as EQUIV PENTANE	7.976	6.449	19.1	98	0.00
22		IODOMETHANE	3.947	3.627	8.1	108	0.00
23		1,1-DICHLOROETHYLENE	1.549	1.376	11.2	106	0.01
24		CARBON DISULFIDE	4.394	3.799	13.5	103	0.00
25		ETHANOL	0.558	0.445	20.3	100	0.03
26		BROMOETHENE	1.488	1.334	10.3	106	0.00
27		METHYLENE CHLORIDE	1.335	1.142	14.5	104	0.01
28		3-CHLOROPROPENE	0.720	0.645	10.4	102	0.00
29		FREON 113	2.653	2.354	11.3	107	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.561	1.395	10.6	104	0.00
31		TERTIARY BUTYL ALCOHOL	2.925	2.641	9.7	105	0.02
32		METHYL TERTIARY BUTYL ETHER	3.839	3.407	11.3	109	0.00
33		TETRAHYDROFURAN	0.651	0.647	0.6	112	0.00
34		HEXANE	2.611	2.190	16.1	100	0.00
35		VINYL ACETATE	0.330	0.353	-7.0	112	0.01
36		1,1-DICHLOROETHANE	2.739	2.333	14.8	101	0.00
37		METHYL ETHYL KETONE	0.635	0.627	1.3	109	0.01
38		cis-1,2-DICHLOROETHYLENE	1.638	1.437	12.3	105	0.00
39		DI-ISOPROPYL ETHER	4.858	4.172	14.1	104	0.00
40		ETHYL ACETATE	0.430	0.395	8.1	110	0.01
41		CHLOROFORM	2.926	2.511	14.2	101	0.00
42		2,4-DIMETHYLPENTANE	3.169	2.647	16.5	99	0.00

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-ICV1082
Lab FileID: W26161.D

43		1,1,1-TRICHLOROETHANE	2.979	2.484	16.6	101	0.00
44		CARBON TETRACHLORIDE	3.056	2.628	14.0	102	0.00
45		1,2-DICHLOROETHANE	1.577	1.359	13.8	99	0.00
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	117	0.00
47		BENZENE	1.034	0.855	17.3	103	0.00
48		CYCLOHEXANE	0.501	0.414	17.4	105	0.00
49		2,3-DIMETHYLPENTANE	0.265	0.215	18.9	103	0.00
50		TRICHLOROETHYLENE	0.433	0.356	17.8	104	0.00
51		1,2-DICHLOROPROPANE	0.375	0.302	19.5	103	0.00
52		BROMODICHLOROMETHANE	0.653	0.544	16.7	103	0.00
53		2,2,4-TRIMETHYLPENTANE	1.712	1.359	20.6	100	0.00
54		1,4-DIOXANE	0.212	0.175	17.5	112	0.02
55		METHYL METHACRYLATE	0.298	0.271	9.1	111	0.00
56		HEPTANE	0.620	0.465	25.0	97	0.00
57	H	TVHC as EQUIV HEPTANE	2.710	2.216	18.2	100	0.00
58		METHYL ISOBUTYL KETONE	0.557	0.477	14.4	103	0.01
59		cis-1,3-DICHLOROPROPENE	0.528	0.449	15.0	104	0.00
60		TOLUENE	0.713	0.614	13.9	107	0.00
61		trans-1,3-DICHLOROPROPENE	0.390	0.347	11.0	105	0.00
62		1,1,2-TRICHLOROETHANE	0.315	0.275	12.7	106	0.00
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	112	0.00
64		2-HEXANONE	1.080	1.000	7.4	103	0.01
65		TETRACHLOROETHYLENE	1.107	0.964	12.9	108	0.00
66		DIBROMOCHLOROMETHANE	1.452	1.287	11.4	106	0.00
67		1,2-DIBROMOETHANE	1.134	1.071	5.6	108	0.00
68		OCTANE	1.765	1.402	20.6	97	0.00
69		1,1,1,2-TETRACHLOROETHANE	1.131	0.980	13.4	108	0.00
70		CHLOROBENZENE	2.030	1.795	11.6	108	0.00
71		ETHYLBENZENE	3.195	2.861	10.5	106	0.00
72		m,p-XYLENE	1.249	1.152	7.8	109	0.00
73		o-XYLENE	1.215	1.106	9.0	109	0.00
74		STYRENE	1.568	1.619	-3.3	109	0.00
75		1,2,3-TRICHLOROPROPANE	1.102	1.003	9.0	109	0.00
76		NONANE	1.554	1.332	14.3	99	0.00
77		BROMOFORM	1.300	1.242	4.5	111	0.00
78	S	4-BROMOFLUOROBENZENE	0.967	0.995	-2.9	107	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.449	1.338	7.7	109	0.00
80		ISOPROPYLBENZENE	3.385	3.112	8.1	109	0.00
81		2-CHLOROTOLUENE	0.787	0.746	5.2	110	0.00
82		n-PROPYLBENZENE	0.822	0.847	-3.0	111	0.00
83		4-ETHYLTOLUENE	2.603	2.757	-5.9	110	0.00
84		1,3,5-TRIMETHYLBENZENE	2.269	2.207	2.7	112	0.00
85		TERT-BUTYLBENZENE	0.613	0.601	2.0	114	0.00
86		1,2,4-TRIMETHYLBENZENE	2.067	2.121	-2.6	112	0.00
87		m-DICHLOROBENZENE	1.198	1.334	-11.4	111	0.00
88		BENZYL CHLORIDE	1.163	1.406	-20.9	111	0.00
89		p-DICHLOROBENZENE	1.091	1.262	-15.7	112	0.00
90		SEC-BUTYLBENZENE	0.686	0.694	-1.2	113	0.00
91		p-ISOPROPYLTOLUENE	0.647	0.667	-3.1	114	0.00
92		o-DICHLOROBENZENE	1.110	1.158	-4.3	112	0.00
93		n-BUTYLBENZENE	0.436	0.511	-17.2	113	0.00
94		HEXACHLOROBUTADIENE	0.366	0.294	19.7	107	0.00
95		1,2,4-TRICHLOROBENZENE	0.229	0.231	-0.9	112	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	112	0.00
97		NAPHTHALENE	0.523	0.000	100.0#	0#	-20.81#

Initial Calibration Verification

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1083-ICV1082
Lab FileID: W26161.D

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(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W26143.D   MW1082.M         Thu May 06 11:25:39 2010   MSW
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Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1084-CC1082
Lab FileID: W26182.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.00
2		FREON 115	0.000	0.000	0.0	0#	-4.92#
3		FREON 152A	0.840	0.770	8.3	91	0.00
4		CHLORODIFLUOROMETHANE	0.305	0.263	13.8	90	0.00
5		DICHLORODIFLUOROMETHANE	3.446	3.000	12.9	91	0.00
6		PROPYLENE	1.195	1.033	13.6	92	0.00
7		FREON 114	4.168	3.748	10.1	94	0.00
8		CHLOROMETHANE	0.420	0.387	7.9	95	0.00
9		VINYL CHLORIDE	1.594	1.447	9.2	96	0.00
10		1,3-BUTADIENE	1.224	1.107	9.6	94	0.00
11		n-BUTANE	2.395	2.160	9.8	94	0.00
12		BROMOMETHANE	1.382	1.291	6.6	93	0.00
13		CHLOROETHANE	0.872	0.815	6.5	93	0.00
14		ACROLEIN	0.481	0.467	2.9	98	0.00
15		FREON 123	3.640	3.272	10.1	93	0.00
16		FREON 123A	2.195	1.902	13.3	91	0.00
17		TRICHLOROFLUOROMETHANE	3.451	3.043	11.8	91	0.00
18		ISOPROPYL ALCOHOL	2.308	2.315	-0.3	103	0.02
19		ACETONE	0.635	0.639	-0.6	105	0.00
20		PENTANE	0.453	0.419	7.5	93	0.00
21	H	TVHC as EQUIV PENTANE	7.976	7.120	10.7	94	0.00
22		IODOMETHANE	3.947	3.639	7.8	92	0.00
23		1,1-DICHLOROETHYLENE	1.549	1.403	9.4	93	0.00
24		CARBON DISULFIDE	4.394	4.039	8.1	94	0.00
25		ETHANOL	0.558	0.524	6.1	102	0.02
26		BROMOETHENE	1.488	1.360	8.6	92	0.00
27		METHYLENE CHLORIDE	1.335	1.187	11.1	94	0.00
28		3-CHLOROPROPENE	0.720	0.675	6.2	94	0.00
29		FREON 113	2.653	2.361	11.0	92	0.00
30		TRANS-1,2-DICHLOROETHYLENE	1.561	1.429	8.5	93	0.00
31		TERTIARY BUTYL ALCOHOL	2.925	2.957	-1.1	101	0.02
32		METHYL TERTIARY BUTYL ETHER	3.839	3.734	2.7	103	0.00
33		TETRAHYDROFURAN	0.651	0.702	-7.8	103	0.00
34		HEXANE	2.611	2.363	9.5	94	0.00
35		VINYL ACETATE	0.330	0.360	-9.1	101	0.00
36		1,1-DICHLOROETHANE	2.739	2.511	8.3	95	0.00
37		METHYL ETHYL KETONE	0.635	0.692	-9.0	106	0.01
38		cis-1,2-DICHLOROETHYLENE	1.638	1.482	9.5	94	0.00
39		DI-ISOPROPYL ETHER	4.858	4.739	2.4	103	0.00
40		ETHYL ACETATE	0.430	0.446	-3.7	108	0.00
41		CHLOROFORM	2.926	2.657	9.2	94	0.00
42		2,4-DIMETHYLPENTANE	3.169	2.854	9.9	93	0.00

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1084-CC1082
Lab FileID: W26182.D

43		1,1,1-TRICHLOROETHANE	2.979	2.602	12.7	92	0.00
44		CARBON TETRACHLORIDE	3.056	2.729	10.7	92	0.00
45		1,2-DICHLOROETHANE	1.577	1.437	8.9	93	0.00
46	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	116	0.00
47		BENZENE	1.034	0.848	18.0	94	0.00
48		CYCLOHEXANE	0.501	0.415	17.2	94	0.00
49		2,3-DIMETHYLPENTANE	0.265	0.215	18.9	94	0.00
50		TRICHLOROETHYLENE	0.433	0.348	19.6	94	0.00
51		1,2-DICHLOROPROPANE	0.375	0.302	19.5	95	0.00
52		BROMODICHLOROMETHANE	0.653	0.534	18.2	93	0.00
53		2,2,4-TRIMETHYLPENTANE	1.712	1.379	19.5	93	0.00
54		1,4-DIOXANE	0.212	0.184	13.2	104	0.02
55		METHYL METHACRYLATE	0.298	0.280	6.0	105	0.00
56		HEPTANE	0.620	0.491	20.8	94	0.00
57	H	TVHC as EQUIV HEPTANE	2.710	2.295	15.3	93	0.00
58		METHYL ISOBUTYL KETONE	0.557	0.536	3.8	106	0.00
59		cis-1,3-DICHLOROPROPENE	0.528	0.439	16.9	94	0.00
60		TOLUENE	0.713	0.597	16.3	96	0.00
61		trans-1,3-DICHLOROPROPENE	0.390	0.330	15.4	95	0.00
62		1,1,2-TRICHLOROETHANE	0.315	0.267	15.2	95	0.00
63	I	CHLOROBENZENE-D5	1.000	1.000	0.0	121	0.00
64		2-HEXANONE	1.080	1.064	1.5	107	0.00
65		TETRACHLOROETHYLENE	1.107	0.864	22.0	92	0.00
66		DIBROMOCHLOROMETHANE	1.452	1.166	19.7	92	0.00
67		1,2-DIBROMOETHANE	1.134	0.967	14.7	95	0.00
68		OCTANE	1.765	1.389	21.3	94	0.00
69		1,1,1,2-TETRACHLOROETHANE	1.131	0.876	22.5	93	0.00
70		CHLOROBENZENE	2.030	1.633	19.6	96	0.00
71		ETHYLBENZENE	3.195	2.669	16.5	97	0.00
72		m,p-XYLENE	1.249	1.054	15.6	98	0.00
73		o-XYLENE	1.215	1.018	16.2	98	0.00
74		STYRENE	1.568	1.460	6.9	99	0.00
75		1,2,3-TRICHLOROPROPANE	1.102	0.941	14.6	101	0.00
76		NONANE	1.554	1.305	16.0	95	0.00
77		BROMOFORM	1.300	1.069	17.8	94	0.00
78	S	4-BROMOFLUOROBENZENE	0.967	1.138	-17.7	133	0.00
79		1,1,2,2-TETRACHLOROETHANE	1.449	1.250	13.7	102	0.00
80		ISOPROPYLBENZENE	3.385	2.905	14.2	100	0.00
81		2-CHLOROTOLUENE	0.787	0.668	15.1	97	0.00
82		n-PROPYLBENZENE	0.822	0.782	4.9	103	0.00
83		4-ETHYLTOLUENE	2.603	2.559	1.7	103	0.00
84		1,3,5-TRIMETHYLBENZENE	2.269	2.058	9.3	102	0.00
85		TERT-BUTYLBENZENE	0.613	0.546	10.9	103	0.00
86		1,2,4-TRIMETHYLBENZENE	2.067	1.961	5.1	104	0.00
87		m-DICHLOROBENZENE	1.198	1.183	1.3	101	0.00
88		BENZYL CHLORIDE	1.163	1.269	-9.1	109	0.00
89		p-DICHLOROBENZENE	1.091	1.075	1.5	99	0.00
90		SEC-BUTYLBENZENE	0.686	0.634	7.6	105	0.00
91		p-ISOPROPYLTOLUENE	0.647	0.626	3.2	108	0.00
92		o-DICHLOROBENZENE	1.110	1.030	7.2	101	0.00
93		n-BUTYLBENZENE	0.436	0.470	-7.8	111	0.00
94		HEXACHLOROBUTADIENE	0.366	0.311	15.0	113	0.00
95		1,2,4-TRICHLOROBENZENE	0.229	0.224	2.2	112	0.00
96	I	Chlorobenzene-d5(a)	1.000	1.000	0.0	121	0.00
97		NAPHTHALENE	0.523	0.000	100.0#	0#	-20.81#

Continuing Calibration Summary

Job Number: JA45152
Account: SHAWNJMA Shaw Environmental
Project: Fort Monmouth, Phase II ECP, NJ

Sample: VW1084-CC1082
Lab FileID: W26182.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 W26145.D   MW1082.M         Fri May 07 09:36:18 2010   MSW
```

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/11/10 17:34

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\VW1083\W26170.D Vial: 11
Acq On : 5 May 2010 10:39 pm Operator: YOUMINH
Sample : JA45152-1 Inst : MSW
Misc : MS96200,VW1083,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:29 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

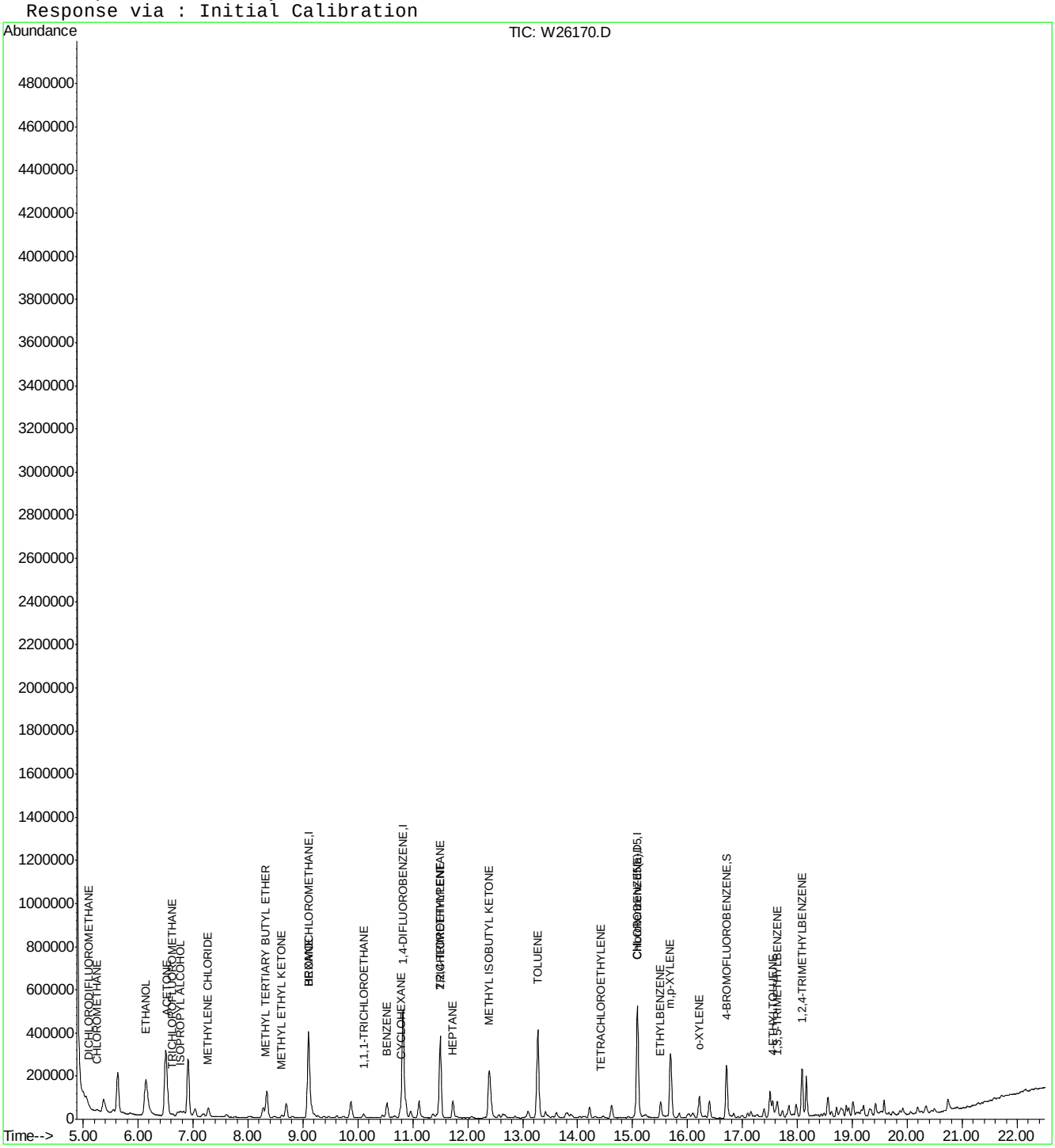
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	129480	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	638013	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.08	82	260292	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	260292	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	126952	5.04	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.80%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	19170	0.43	PPBV		98
8) CHLOROMETHANE	5.26	52	2923	0.54	PPBV	#	69
17) TRICHLOROFLUOROMETHANE	6.63	101	10557	0.24	PPBV		96
18) ISOPROPYL ALCOHOL	6.77	45	71947	2.41	PPBV		92
19) ACETONE	6.52	58	100580	12.24	PPBV	#	24
25) ETHANOL	6.14	45	456377	63.11	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	4771	0.28	PPBV		97
32) METHYL TERTIARY BUTYL ETHE	8.32	73	10975	0.22	PPBV	#	55
34) HEXANE	9.10	57	94586	2.80	PPBV	#	85
37) METHYL ETHYL KETONE	8.62	72	7058	0.86	PPBV		100
43) 1,1,1-TRICHLOROETHANE	10.11	97	14725	0.38	PPBV		99
47) BENZENE	10.53	78	97546	1.48	PPBV		100
48) CYCLOHEXANE	10.77	84	23960m	0.75	PPBV		
50) TRICHLOROETHYLENE	11.50	95	148195	5.37	PPBV		99
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	88471	0.81	PPBV		81
56) HEPTANE	11.73	43	44139	1.12	PPBV		98
58) METHYL ISOBUTYL KETONE	12.39	43	231631	6.52	PPBV		99
60) TOLUENE	13.28	92	273050	6.00	PPBV		100
65) TETRACHLOROETHYLENE	14.42	164	1255	0.04	PPBV		94
71) ETHYLBENZENE	15.51	91	85005	1.02	PPBV		100
72) m,p-XYLENE	15.69	106	154858	4.76	PPBV		96
73) o-XYLENE	16.21	106	45891	1.45	PPBV		99
83) 4-ETHYLTOLUENE	17.55	105	44281	0.65	PPBV		94
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	47108	0.80	PPBV		98
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	171723	3.19	PPBV	#	32

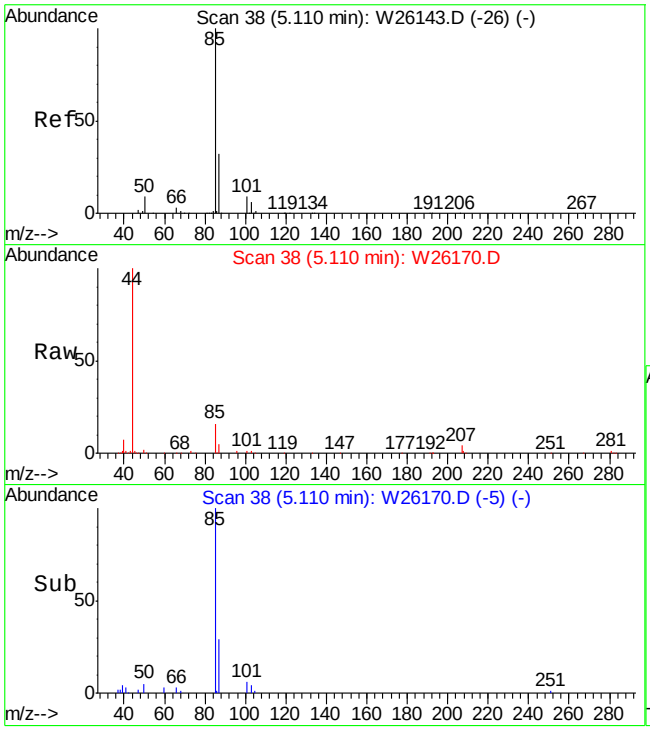
(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26170.D MW1082.M Tue May 11 17:05:41 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\VW1083\W26170.D Vial: 11
Acq On : 5 May 2010 10:39 pm Operator: YOUMINH
Sample : JA45152-1 Inst : MSW
Misc : MS96200,VW1083,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 11 17:05 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

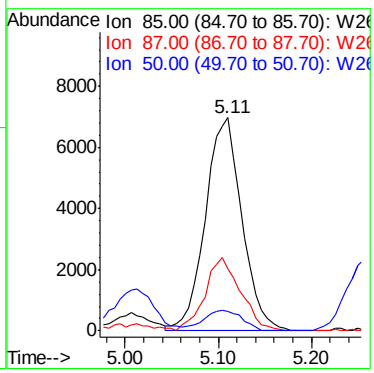


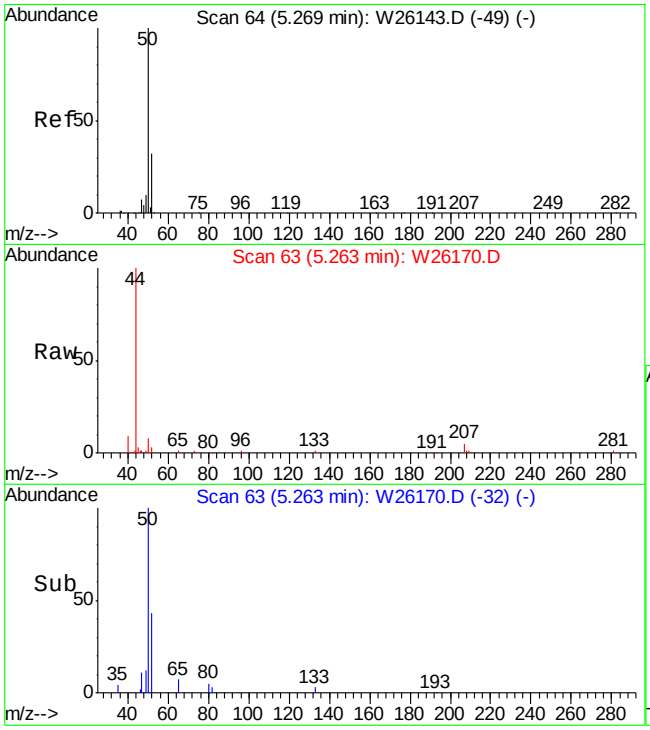


#5
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 5.11 min Scan# 38
Delta R.T. -0.00 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 85 Resp: 19170

Ion	Ratio	Lower	Upper
85	100		
87	33.4	12.3	52.3
50	10.1	0.0	29.8

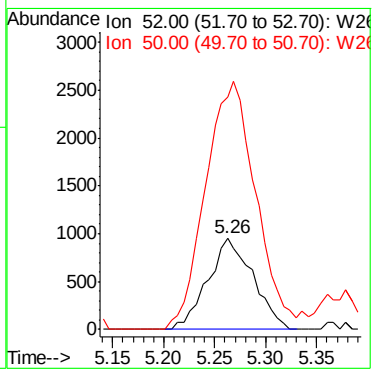


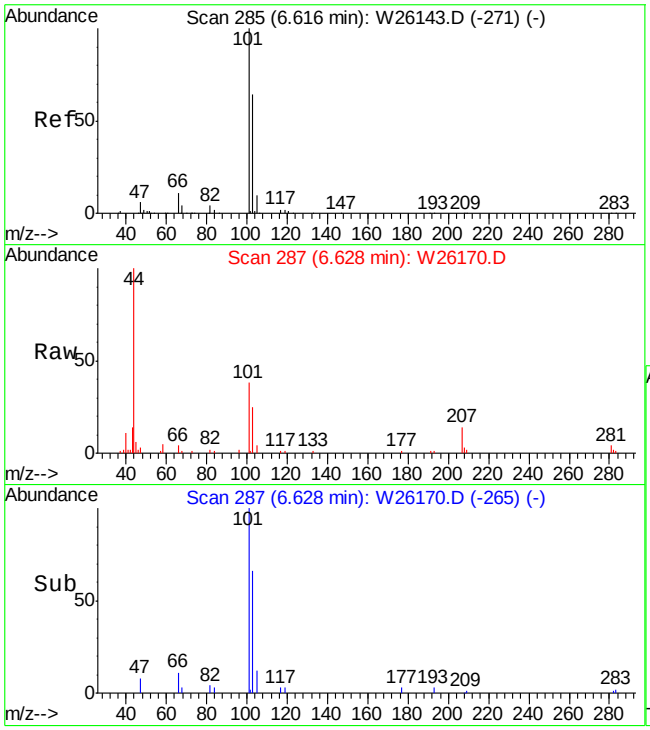


#8
CHLOROMETHANE
Concen: 0.54 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 52 Resp: 2923

Ion	Ratio	Lower	Upper
52	100		
50	248.4	289.7	329.7#

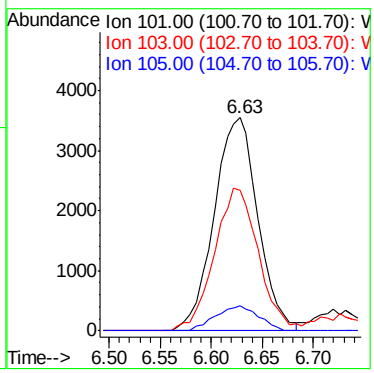


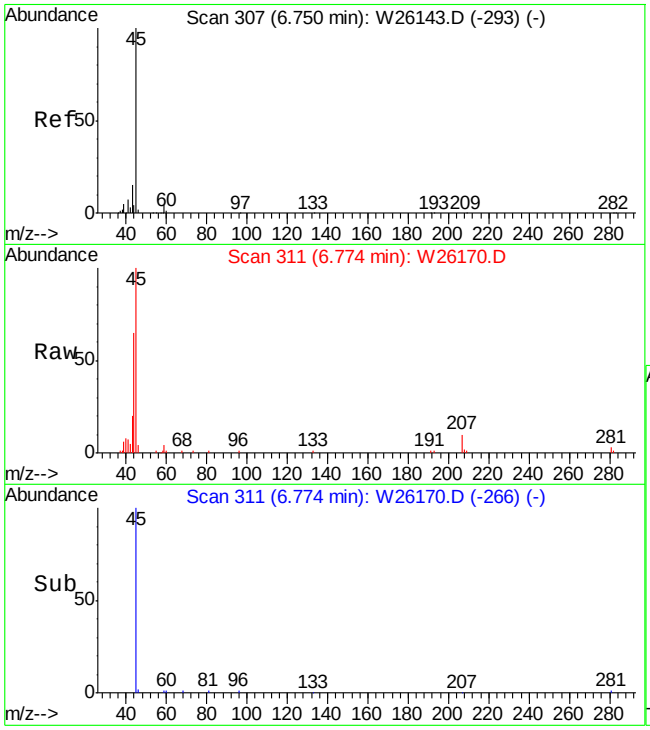


#17
TRICHLOROFLUOROMETHANE
Concen: 0.24 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:101 Resp: 10557

Ion	Ratio	Lower	Upper
101	100		
103	67.8	44.6	84.6
105	11.5	0.0	30.3

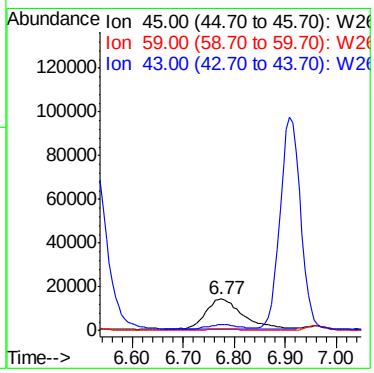


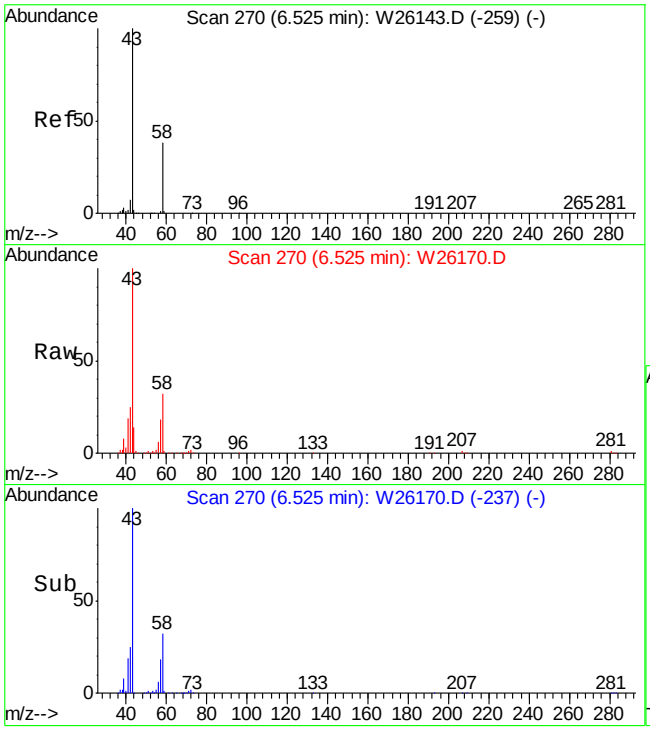


#18
ISOPROPYL ALCOHOL
Concen: 2.41 PPBV
RT: 6.77 min Scan# 311
Delta R.T. 0.02 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 45 Resp: 71947

Ion	Ratio	Lower	Upper
45	100		
59	3.9	0.0	24.5
43	19.9	0.0	35.9

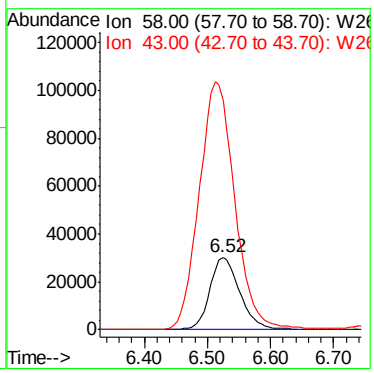


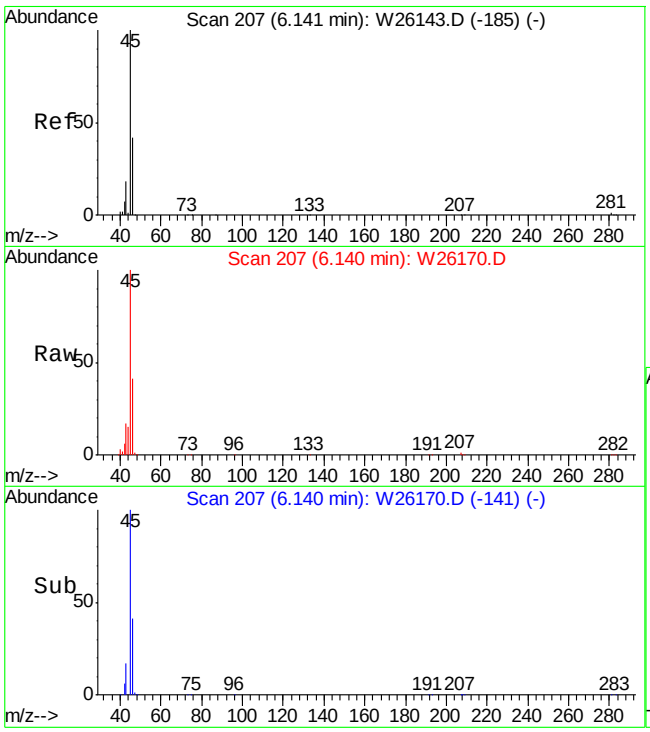


#19
ACETONE
Concen: 12.24 PPBV
RT: 6.52 min Scan# 270
Delta R.T. -0.00 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 58 Resp: 100580

Ion	Ratio	Lower	Upper
58	100		
43	403.7	245.6	285.6#

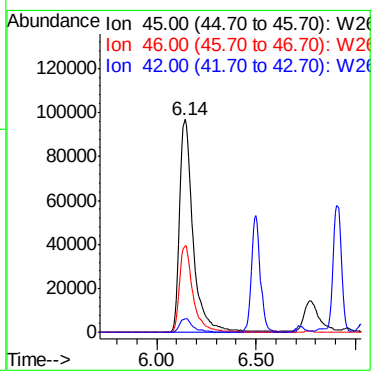


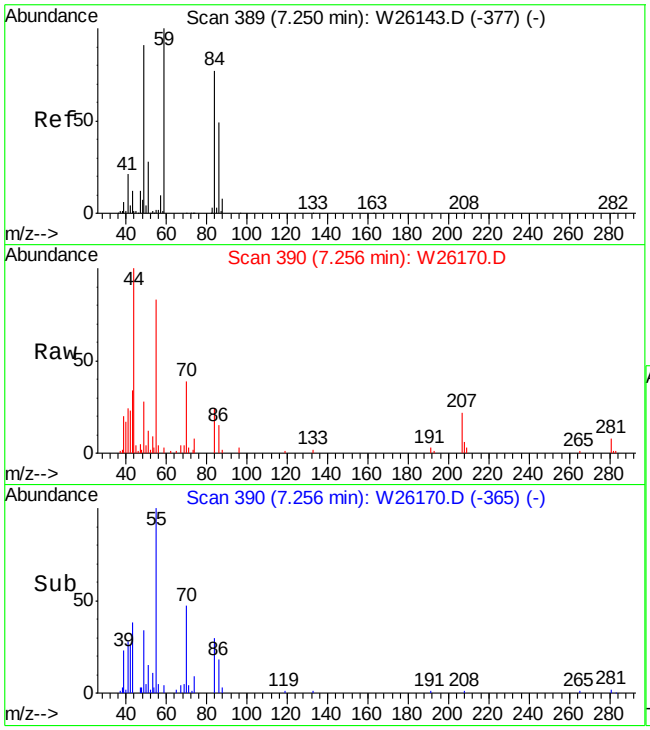


#25
ETHANOL
Concen: 63.11 PPBV
RT: 6.14 min Scan# 207
Delta R.T. -0.00 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 45 Resp: 456377

Ion	Ratio	Lower	Upper
45	100		
46	40.4	20.1	60.1
42	6.8	0.0	27.0

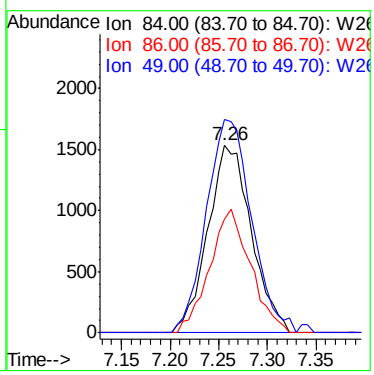


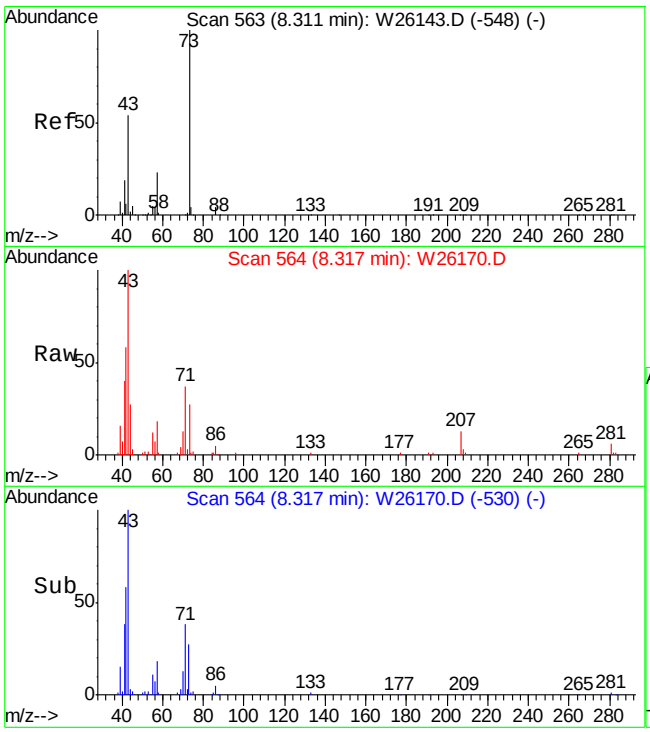


#27
METHYLENE CHLORIDE
Concen: 0.28 PPBV
RT: 7.26 min Scan# 390
Delta R.T. 0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 84 Resp: 4771

Ion	Ratio	Lower	Upper
84	100		
86	61.7	44.2	84.2
49	119.2	0.0	316.5

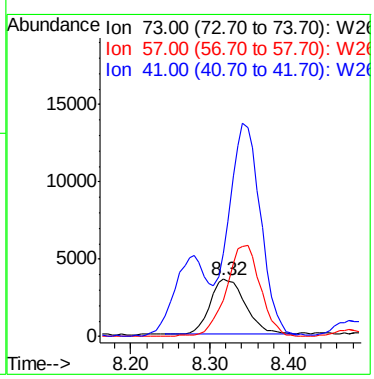


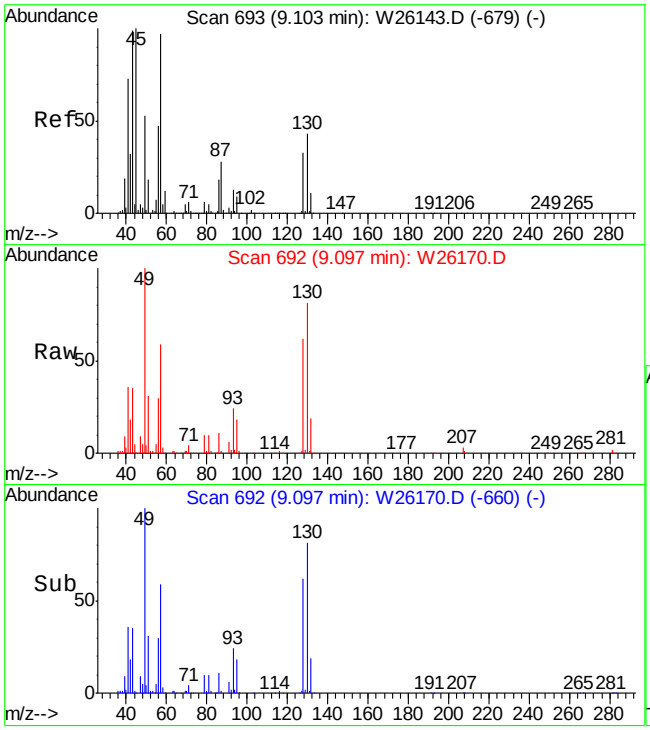


#32
METHYL TERTIARY BUTYL ETHER
Concen: 0.22 PPBV
RT: 8.32 min Scan# 564
Delta R.T. 0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 73 Resp: 10975

Ion	Ratio	Lower	Upper
73	100		
57	0.0	2.9	42.9#
41	0.0	0.0	39.6

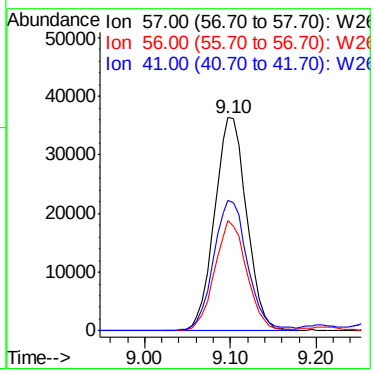


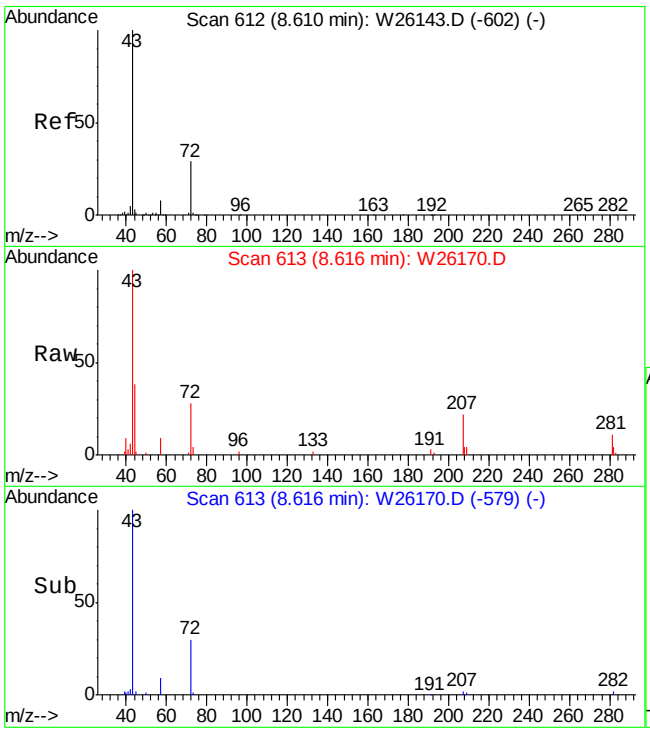


#34
HEXANE
Concen: 2.80 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 57 Resp: 94586

Ion	Ratio	Lower	Upper
57	100		
56	51.6	29.5	69.5
41	64.7	64.9	104.9#

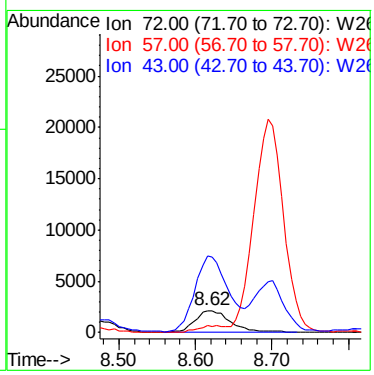


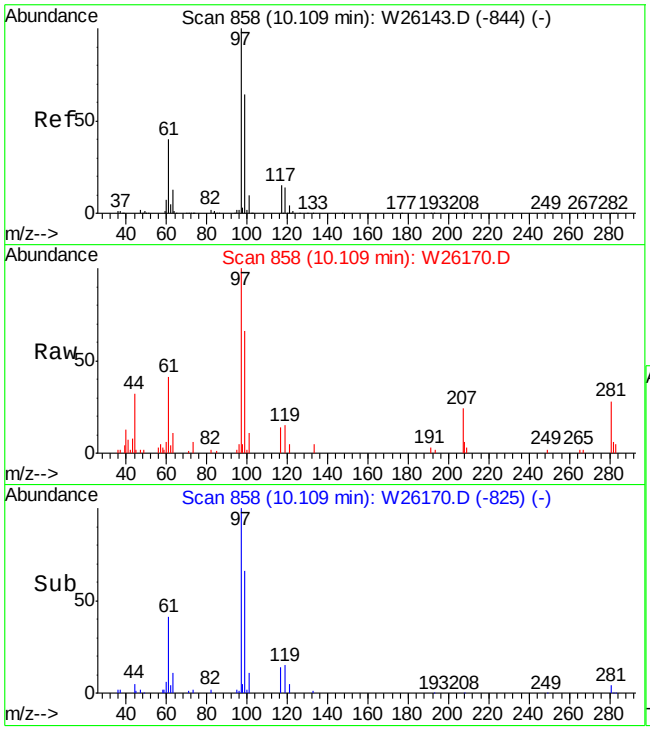


#37
METHYL ETHYL KETONE
Concen: 0.86 PPBV
RT: 8.62 min Scan# 613
Delta R.T. 0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 72 Resp: 7058

Ion	Ratio	Lower	Upper
72	100		
57	30.1	8.0	48.0
43	351.6	331.8	371.8

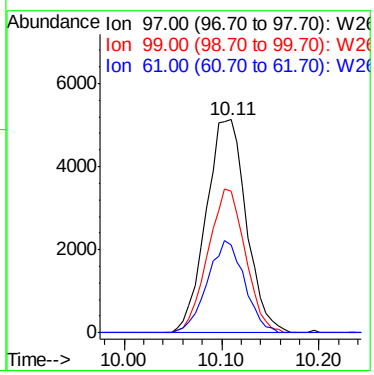


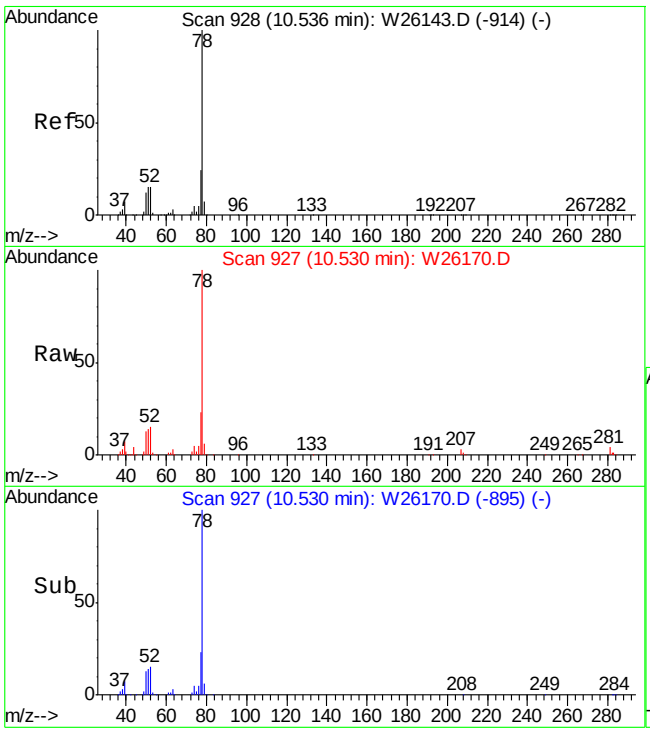


#43
1,1,1-TRICHLOROETHANE
Concen: 0.38 PPBV
RT: 10.11 min Scan# 858
Delta R.T. -0.00 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 97 Resp: 14725

Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.0	84.0
61	39.8	20.2	60.2

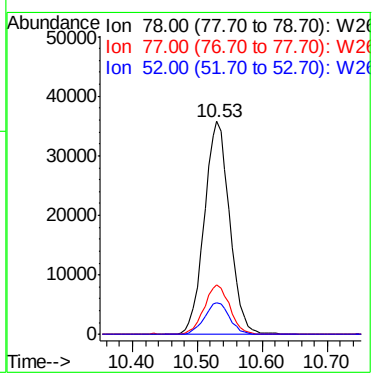


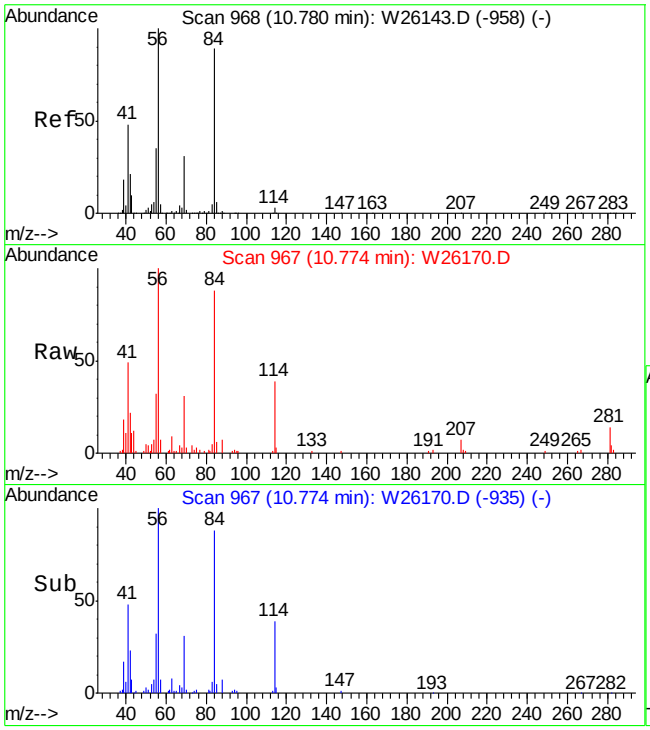


#47
BENZENE
Concen: 1.48 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 78 Resp: 97546

Ion	Ratio	Lower	Upper
78	100		
77	23.5	3.5	43.5
52	14.8	0.0	34.8

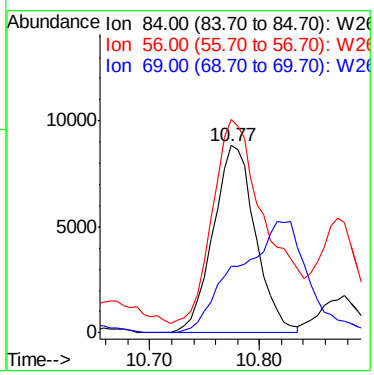


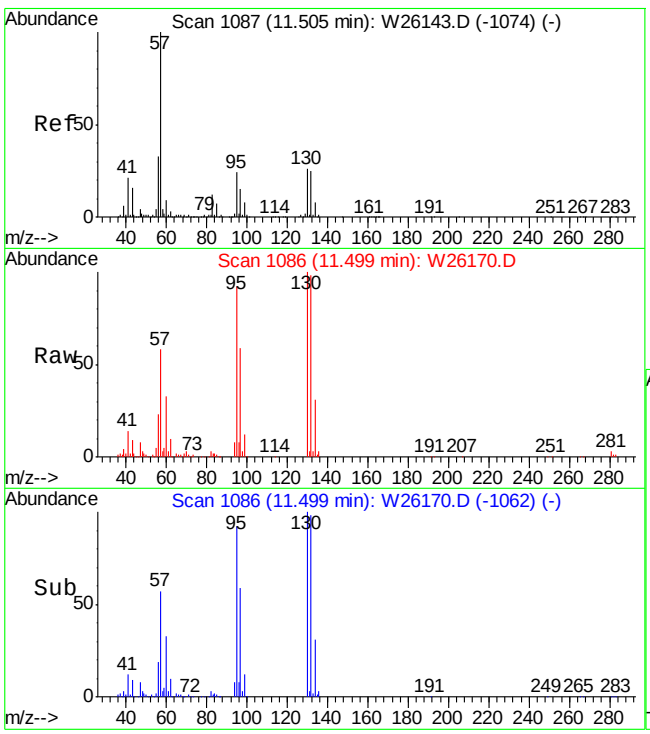


#48
CYCLOHEXANE
Concen: 0.75 PPBV m
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 84 Resp: 23960

Ion	Ratio	Lower	Upper
84	100		
56	0.0	96.4	136.4#
69	0.0	19.6	59.6#

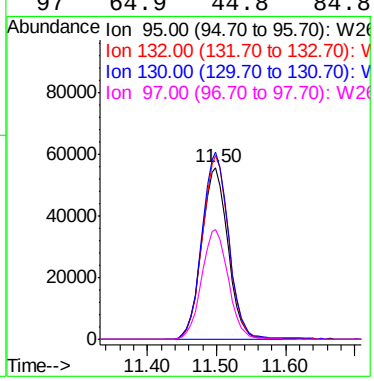


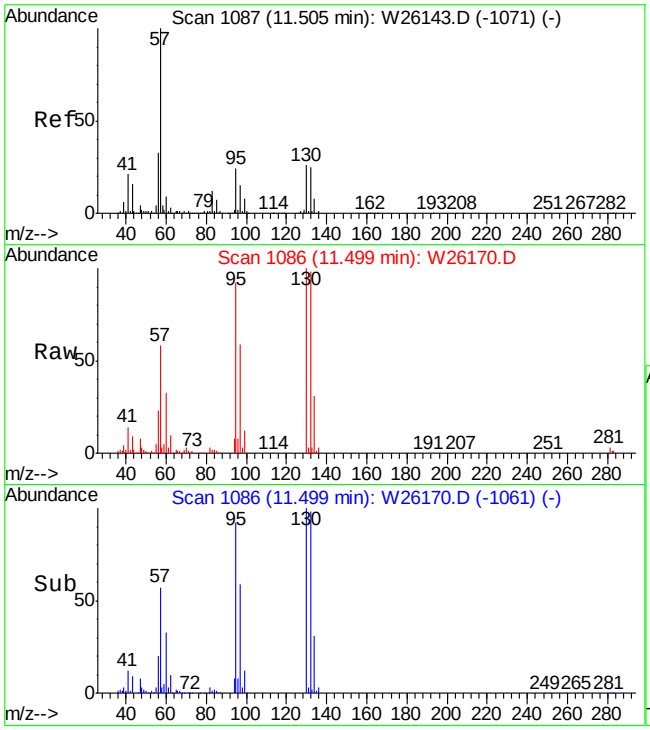


#50
TRICHLOROETHYLENE
Concen: 5.37 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 95 Resp: 148195

Ion	Ratio	Lower	Upper
95	100		
132	106.8	85.1	125.1
130	109.9	89.6	129.6
97	64.9	44.8	84.8

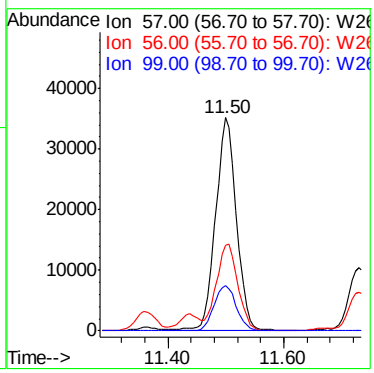


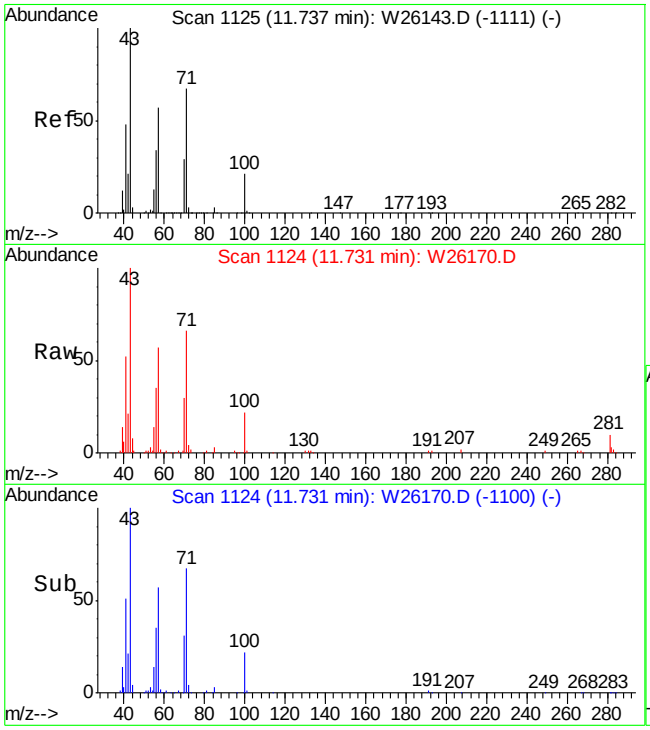


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.81 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 57 Resp: 88471

Ion	Ratio	Lower	Upper
57	100		
56	41.0	13.0	53.0
99	22.6	0.0	28.3

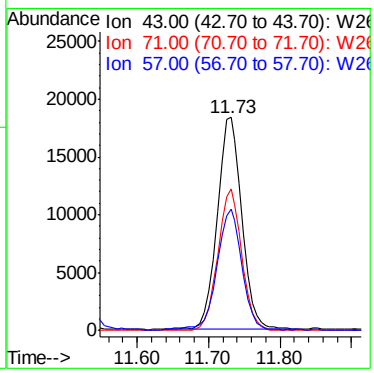


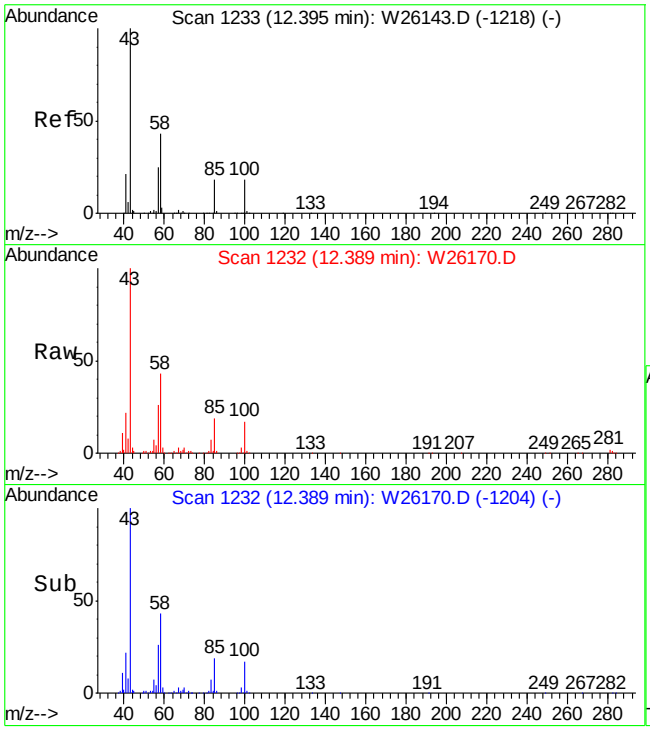


#56
HEPTANE
Concen: 1.12 PPBV
RT: 11.73 min Scan# 1124
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 43 Resp: 44139

Ion	Ratio	Lower	Upper
43	100		
71	64.4	45.5	85.5
57	58.8	36.6	76.6

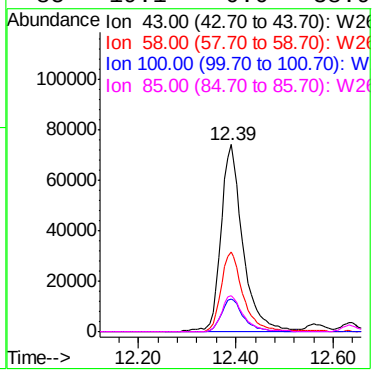


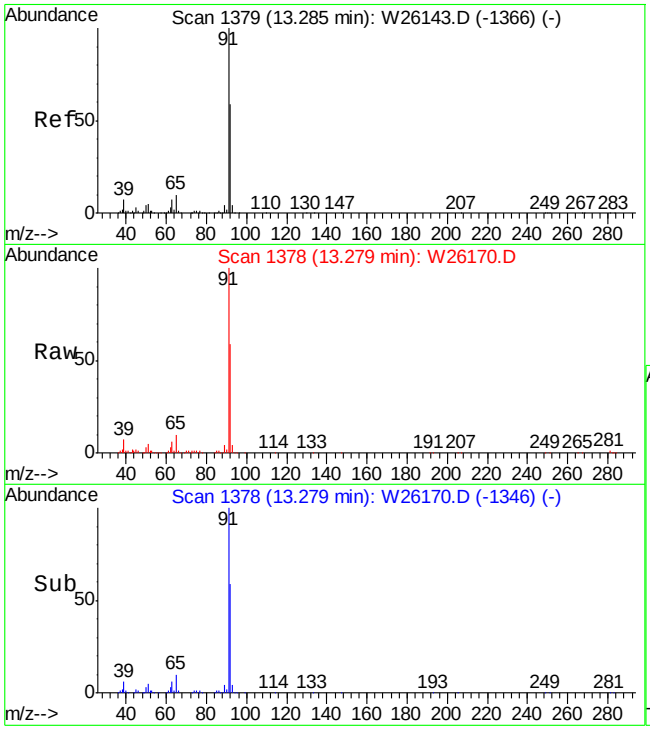


#58
METHYL ISOBUTYL KETONE
Concen: 6.52 PPBV
RT: 12.39 min Scan# 1232
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 43 Resp: 231631

Ion	Ratio	Lower	Upper
43	100		
58	42.8	23.4	63.4
100	17.6	0.0	37.6
85	19.1	0.0	38.9

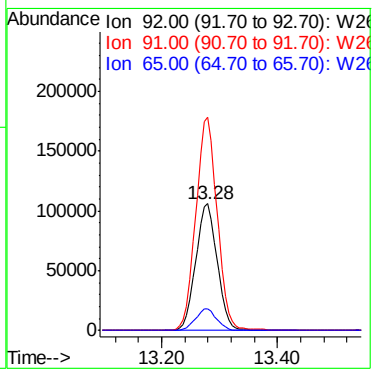


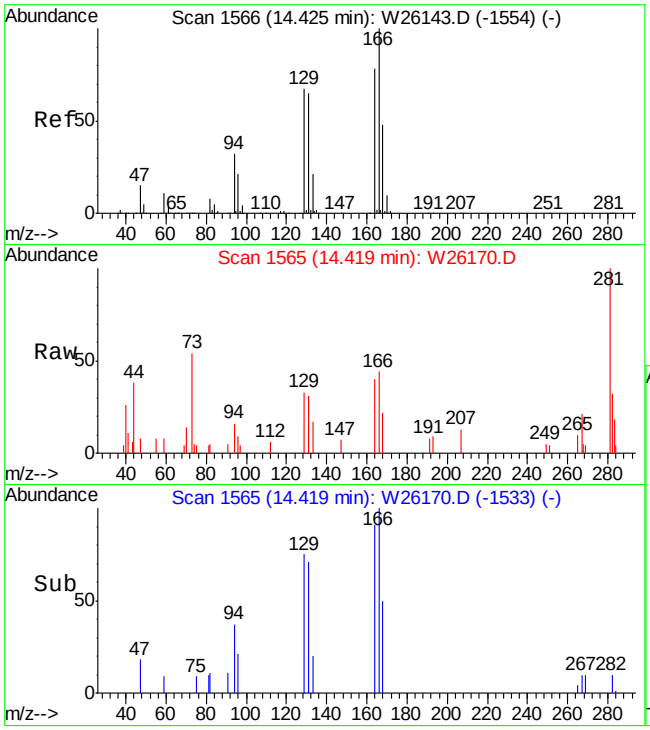


#60
TOLUENE
Concen: 6.00 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 92 Resp: 273050

Ion	Ratio	Lower	Upper
92	100		
91	167.7	148.1	188.1
65	17.1	0.0	37.4

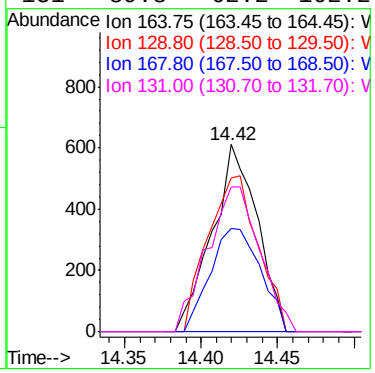


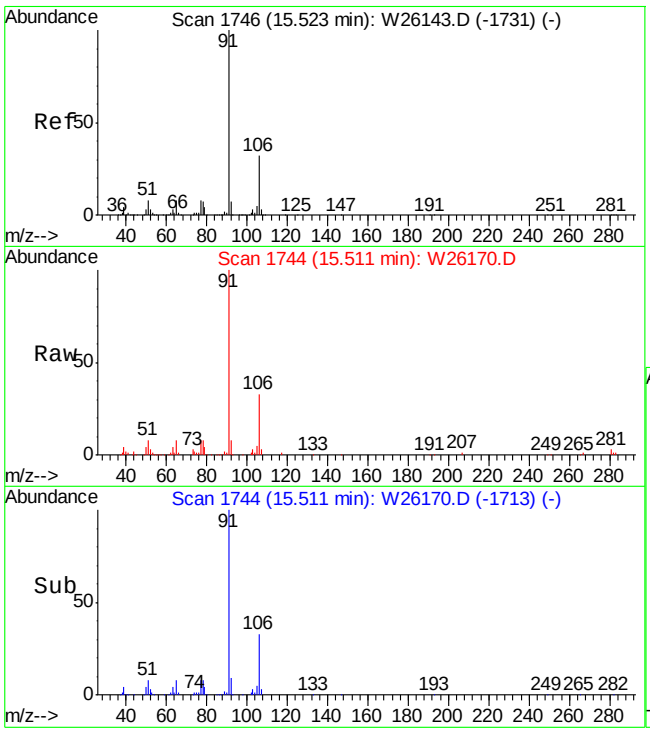


#65
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:164 Resp: 1255

Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.1	105.1
168	61.4	41.4	81.4
131	89.8	62.2	102.2

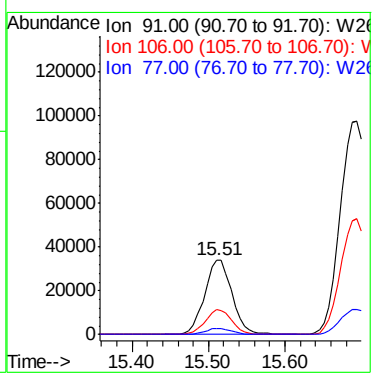


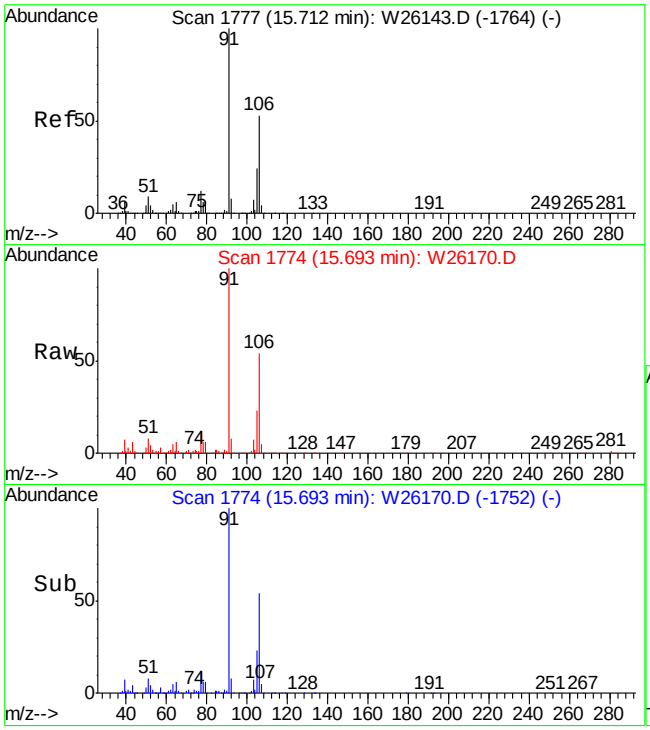


#71
ETHYLBENZENE
Concen: 1.02 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion: 91 Resp: 85005

Ion	Ratio	Lower	Upper
91	100		
106	32.4	12.3	52.3
77	8.1	0.0	27.9

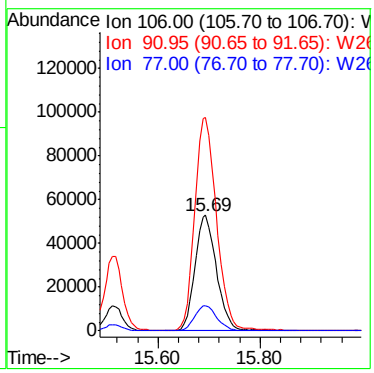


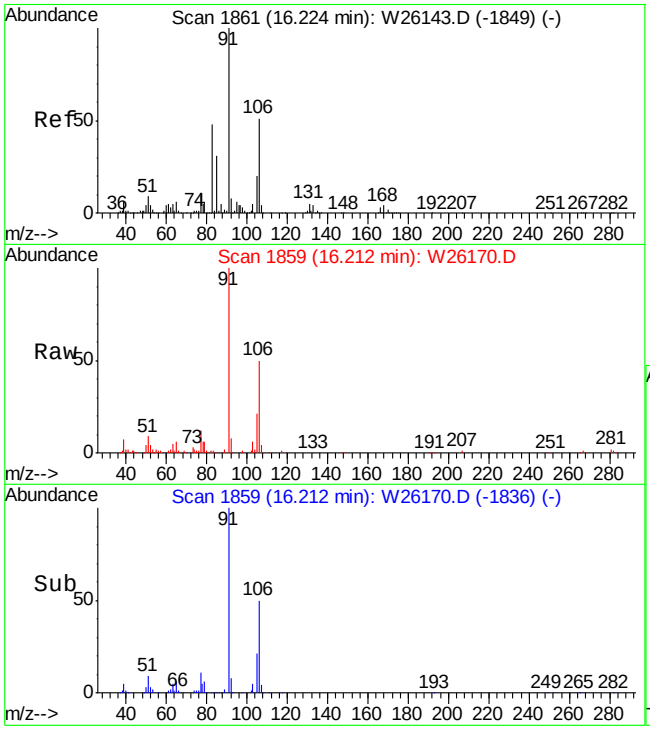


#72
m,p-XYLENE
Concen: 4.76 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:106 Resp: 154858

Ion	Ratio	Lower	Upper
106	100		
91	184.7	151.9	227.9
77	21.4	18.7	28.1

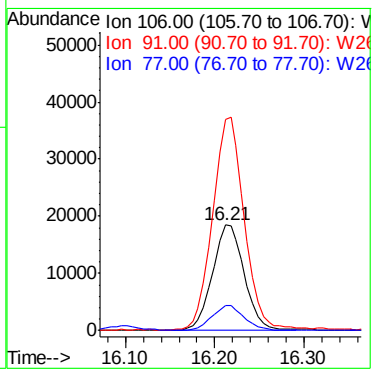


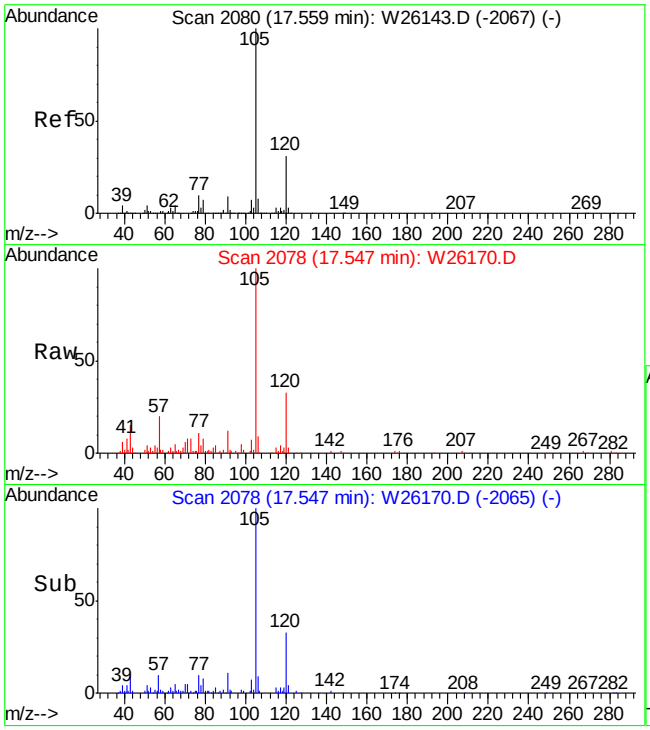


#73
o-XYLENE
Concen: 1.45 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:106 Resp: 45891

Ion	Ratio	Lower	Upper
106	100		
91	199.7	181.1	221.1
77	24.0	3.6	43.6

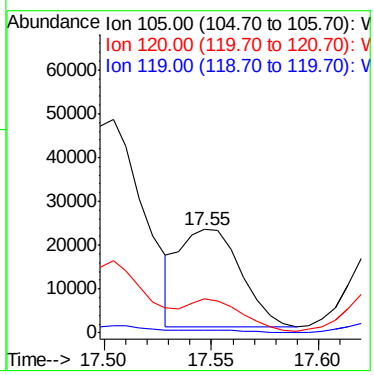


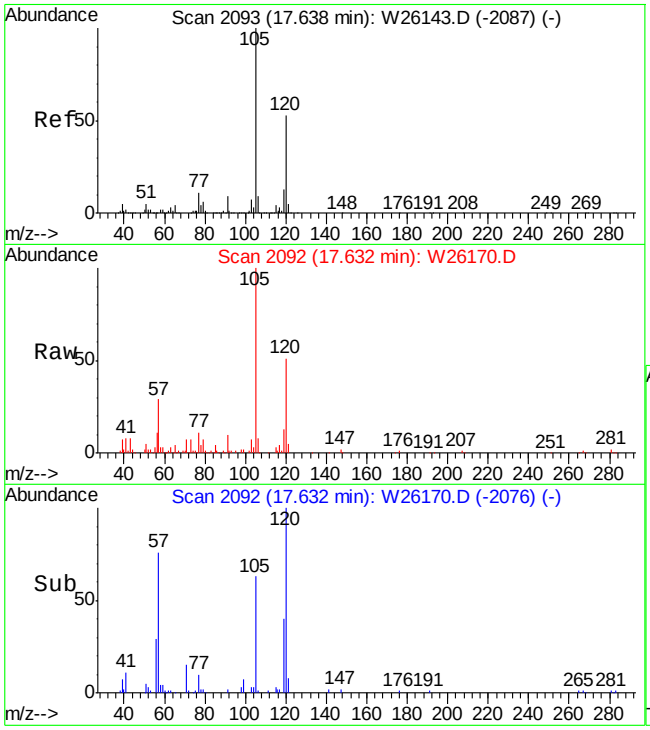


#83
4-ETHYLTOLUENE
Concen: 0.65 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:105 Resp: 44281

Ion	Ratio	Lower	Upper
105	100		
120	27.0	10.4	50.4
119	2.1	0.0	22.4

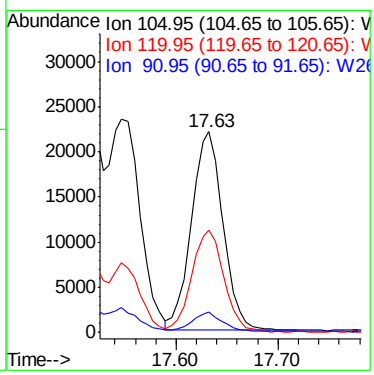


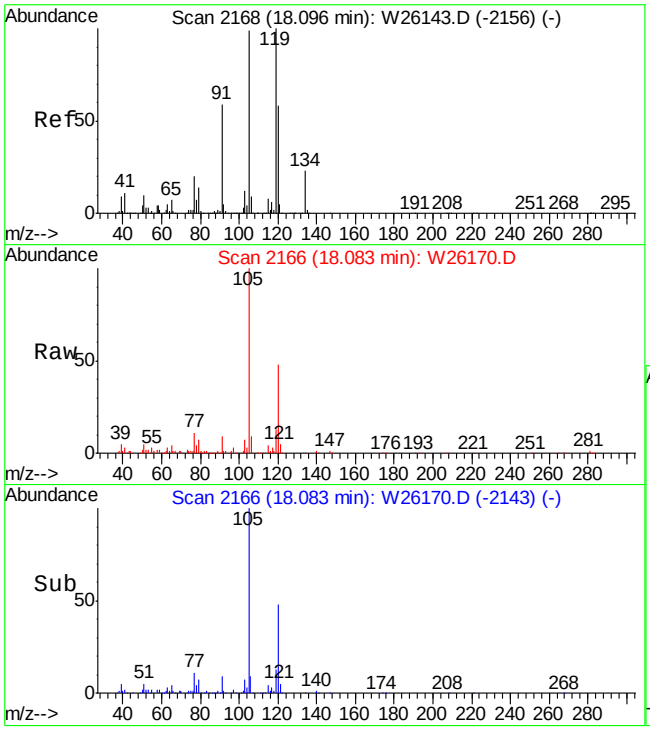


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.80 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:105 Resp: 47108

Ion	Ratio	Lower	Upper
105	100		
120	51.6	32.8	72.8
91	8.7	0.0	29.3

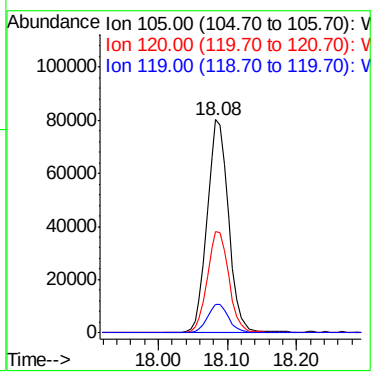




#86
1,2,4-TRIMETHYLBENZENE
Concen: 3.19 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26170.D
Acq: 5 May 2010 10:39 pm

Tgt Ion:105 Resp: 171723

Ion	Ratio	Lower	Upper
105	100		
120	48.6	38.9	78.9
119	13.5	98.8	138.8#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/11/10 03:14

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26171.D Vial: 12
Acq On : 6 May 2010 12:00 am Operator: YOUMINH
Sample : JA45152-2 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:31 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

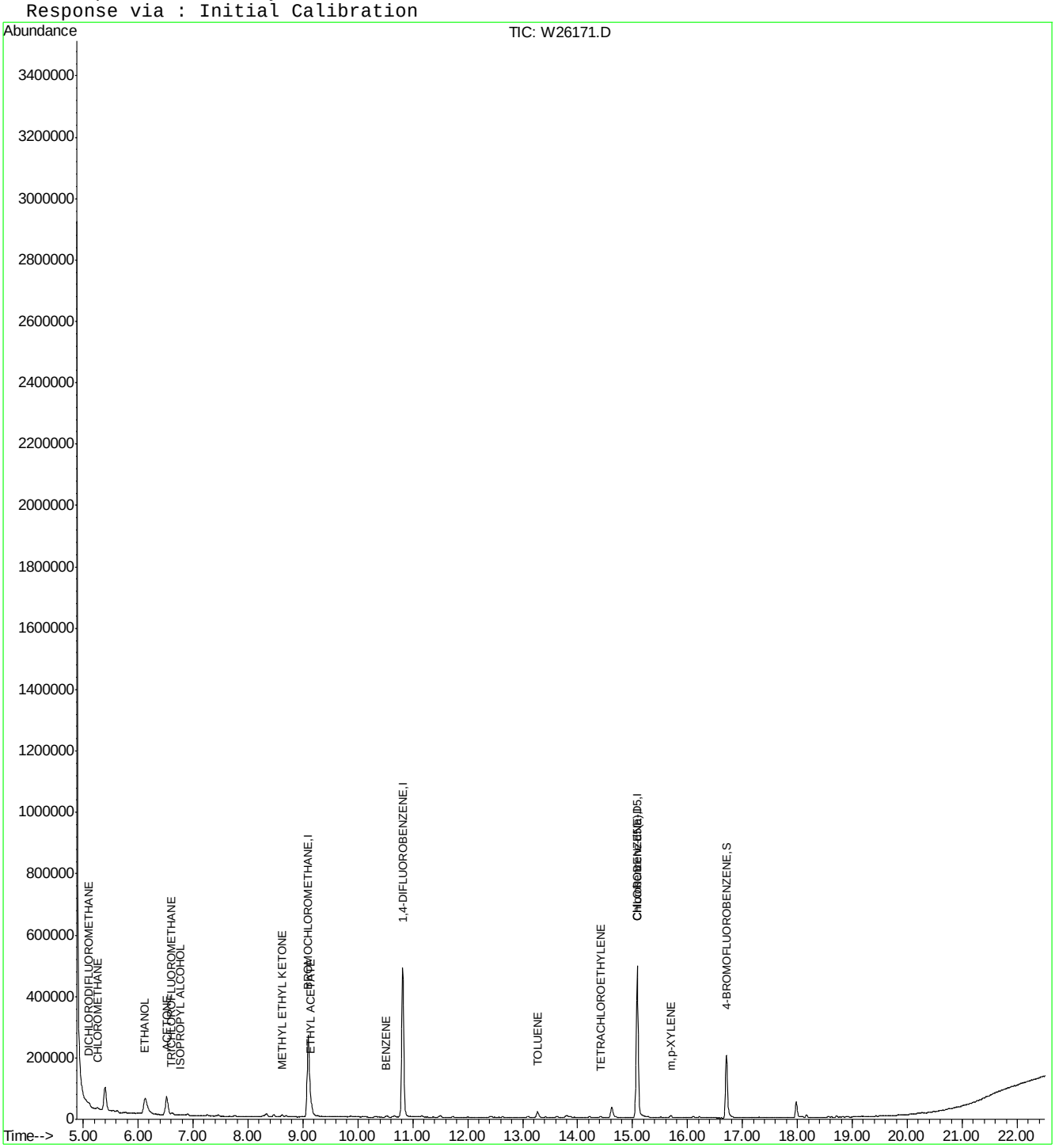
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	130842	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	630971	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	247699	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	247699	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	115744	4.83	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.10	85	19442	0.43	PPBV		98
8) CHLOROMETHANE	5.26	52	3139	0.57	PPBV	#	83
17) TRICHLOROFLUOROMETHANE	6.62	101	9634	0.21	PPBV		98
18) ISOPROPYL ALCOHOL	6.77	45	7357m	0.24	PPBV		
19) ACETONE	6.52	58	48560	5.85	PPBV	#	82
25) ETHANOL	6.13	45	151712	20.76	PPBV		100
37) METHYL ETHYL KETONE	8.62	72	4317	0.52	PPBV		92
40) ETHYL ACETATE	9.15	61	10106	1.80	PPBV	#	84
47) BENZENE	10.52	78	6473	0.10	PPBV		98
60) TOLUENE	13.27	92	12645	0.28	PPBV		98
65) TETRACHLOROETHYLENE	14.41	164	1352	0.05	PPBV		94
72) m,p-XYLENE	15.69	106	3583	0.12	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

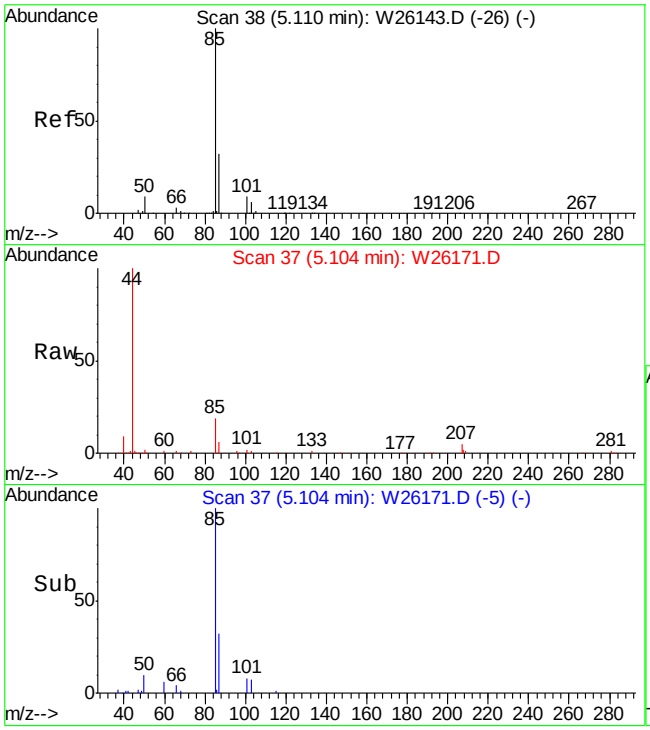
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26171.D Vial: 12
Acq On : 6 May 2010 12:00 am Operator: YOUMINH
Sample : JA45152-2 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:16 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



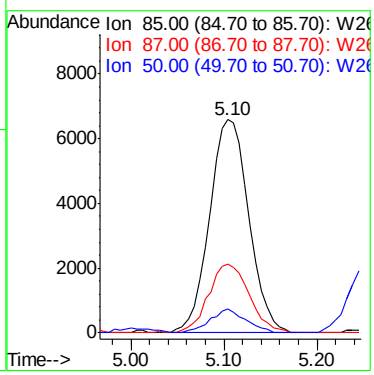
W26171.D MW1082.M Thu May 06 10:29:10 2010 MSW Page 2

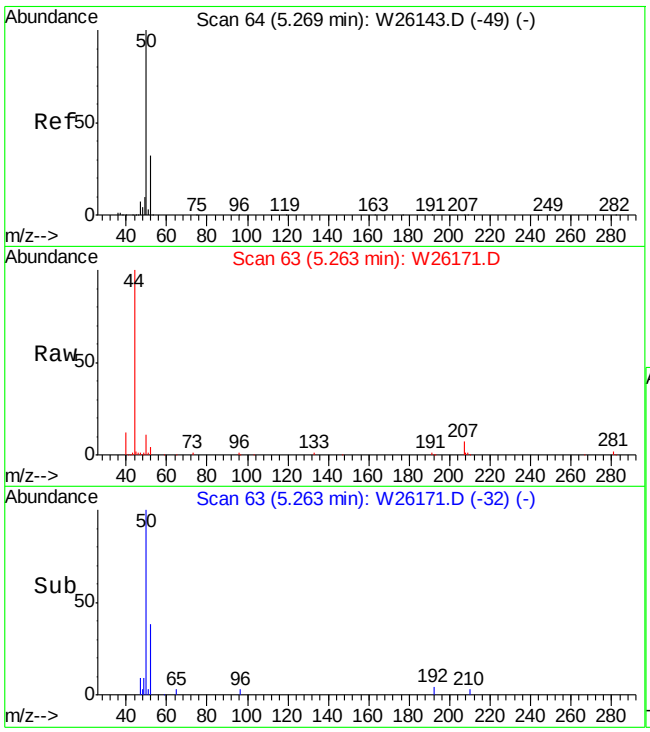


#5
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 5.10 min Scan# 37
Delta R.T. -0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 85 Resp: 19442

Ion	Ratio	Lower	Upper
85	100		
87	33.4	12.3	52.3
50	10.0	0.0	29.8

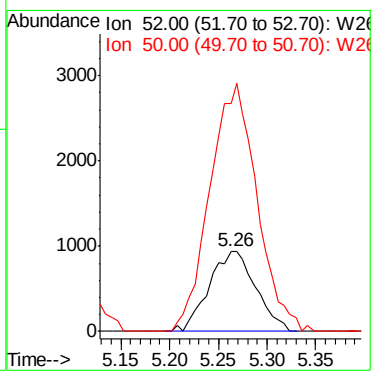


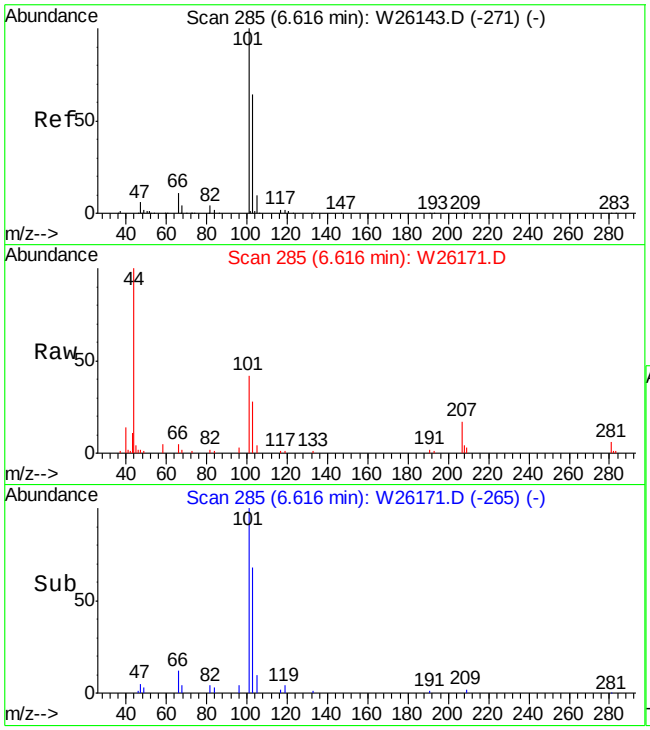


#8
CHLOROMETHANE
Concen: 0.57 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 52 Resp: 3139

Ion	Ratio	Lower	Upper
52	100		
50	276.3	289.7	329.7#

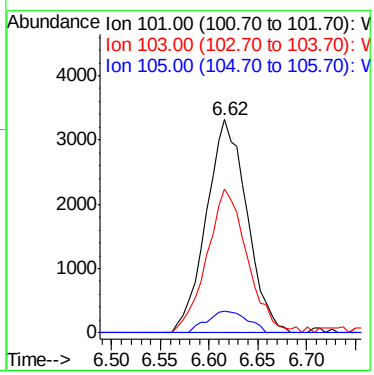


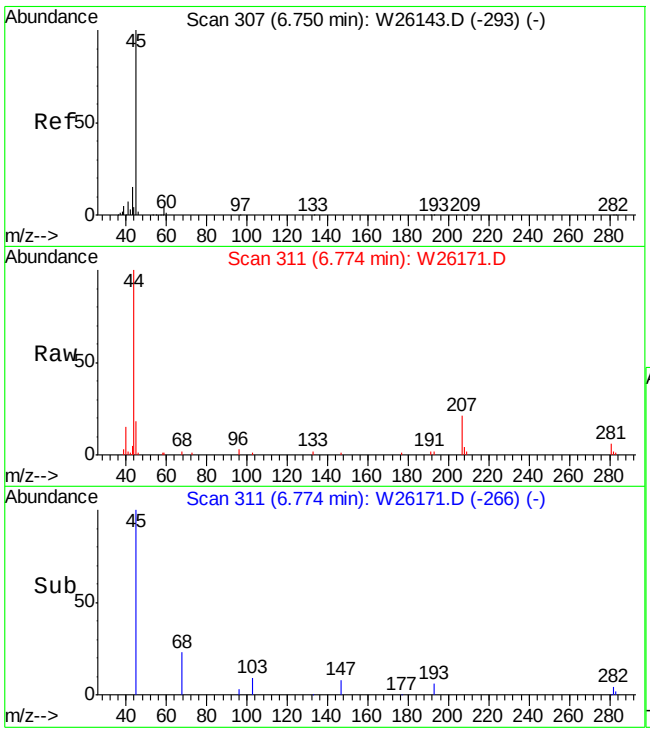


#17
TRICHLOROFLUOROMETHANE
Concen: 0.21 PPBV
RT: 6.62 min Scan# 285
Delta R.T. -0.00 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion:101 Resp: 9634

Ion	Ratio	Lower	Upper
101	100		
103	66.8	44.6	84.6
105	10.1	0.0	30.3

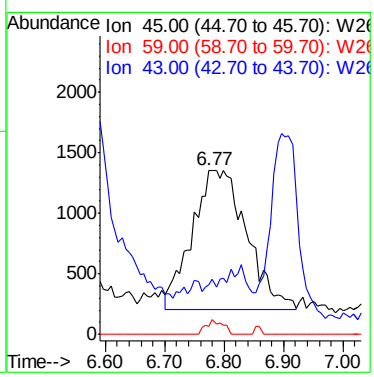


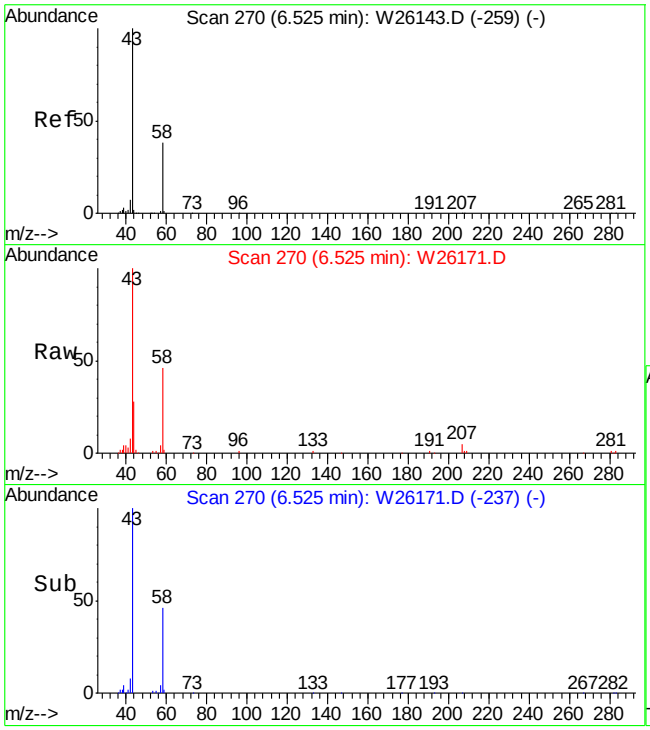


#18
ISOPROPYL ALCOHOL
Concen: 0.24 PPBV m
RT: 6.77 min Scan# 311
Delta R.T. 0.02 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 45 Resp: 7357

Ion	Ratio	Lower	Upper
45	100		
59	4.9	0.0	24.5
43	30.3	0.0	35.9

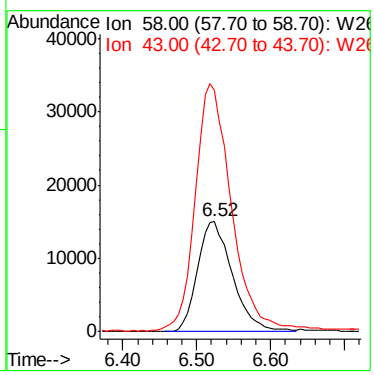


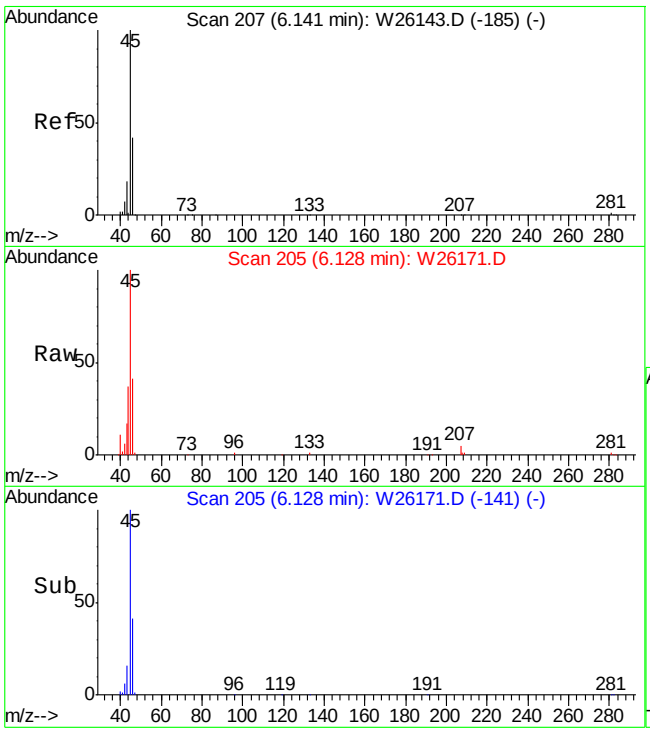


#19
ACETONE
Concen: 5.85 PPBV
RT: 6.52 min Scan# 270
Delta R.T. -0.00 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 58 Resp: 48560

Ion	Ratio	Lower	Upper
58	100		
43	233.2	245.6	285.6#

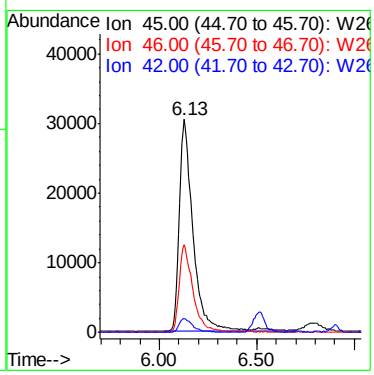


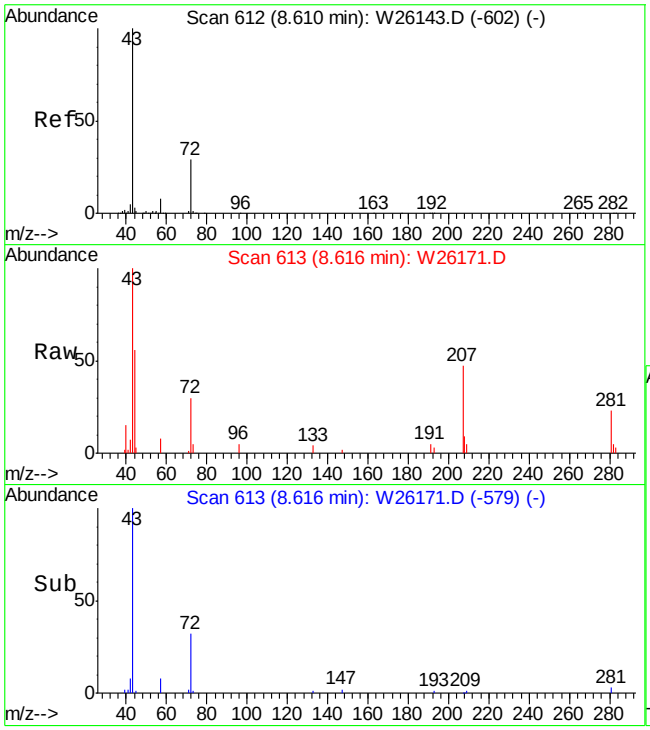


#25
ETHANOL
Concen: 20.76 PPBV
RT: 6.13 min Scan# 205
Delta R.T. -0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 45 Resp: 151712

Ion	Ratio	Lower	Upper
45	100		
46	40.3	20.1	60.1
42	6.7	0.0	27.0

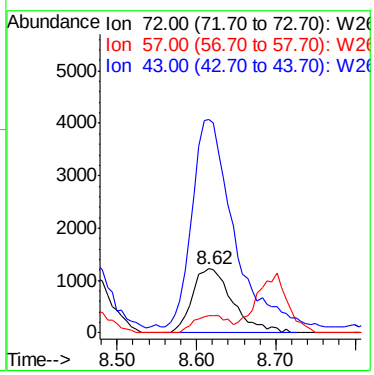


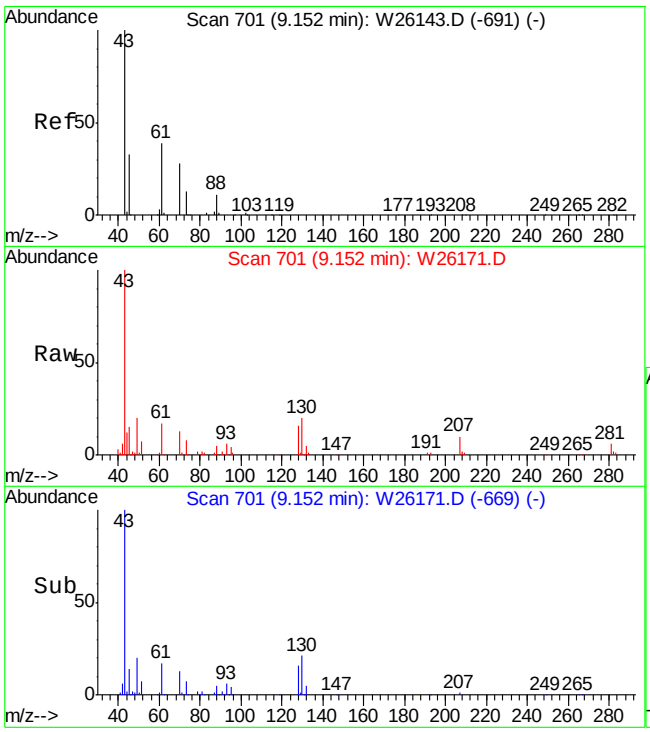


#37
METHYL ETHYL KETONE
Concen: 0.52 PPBV
RT: 8.62 min Scan# 613
Delta R.T. 0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 72 Resp: 4317

Ion	Ratio	Lower	Upper
72	100		
57	26.1	8.0	48.0
43	334.0	331.8	371.8

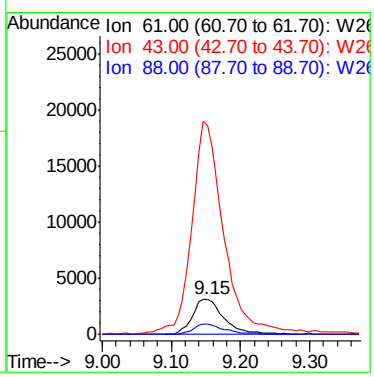


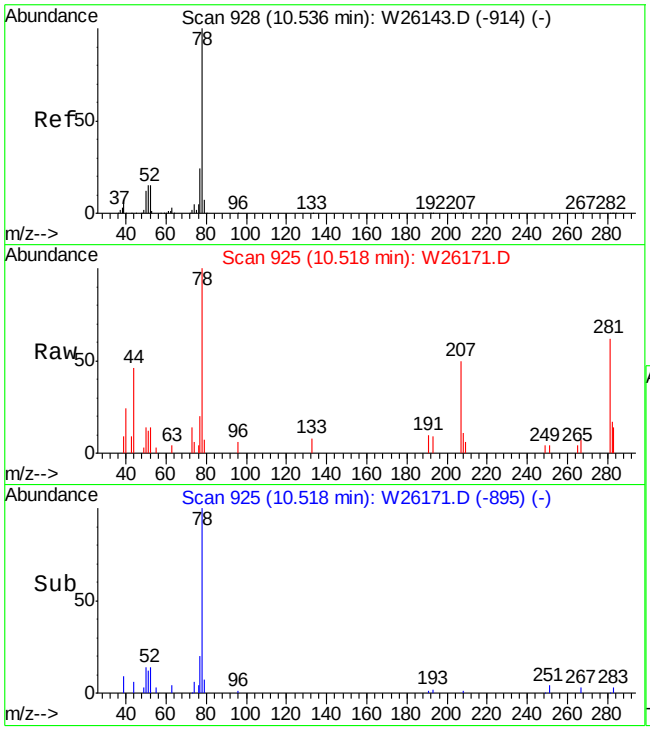


#40
ETHYL ACETATE
Concen: 1.80 PPBV
RT: 9.15 min Scan# 701
Delta R.T. -0.00 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 61 Resp: 10106

Ion	Ratio	Lower	Upper
61	100		
43	599.2	627.5	667.5#
88	29.6	28.3	68.3

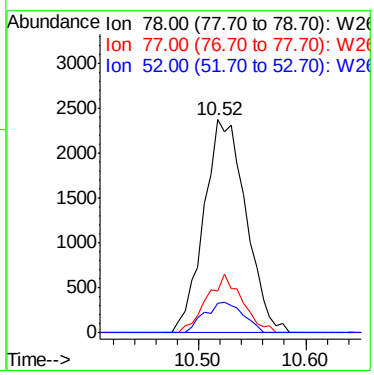


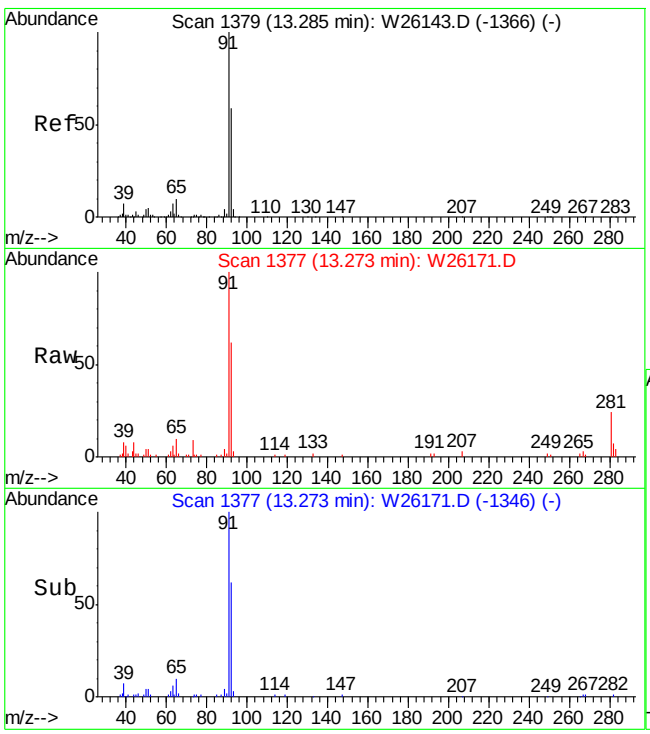


#47
BENZENE
Concen: 0.10 PPBV
RT: 10.52 min Scan# 925
Delta R.T. -0.02 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 78 Resp: 6473

Ion	Ratio	Lower	Upper
78	100		
77	23.1	3.5	43.5
52	13.2	0.0	34.8

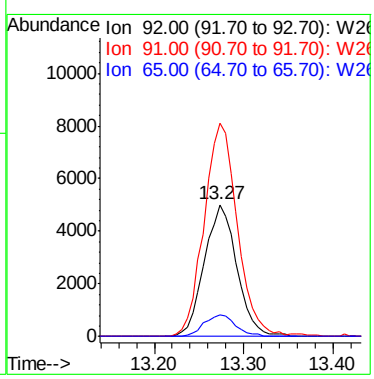


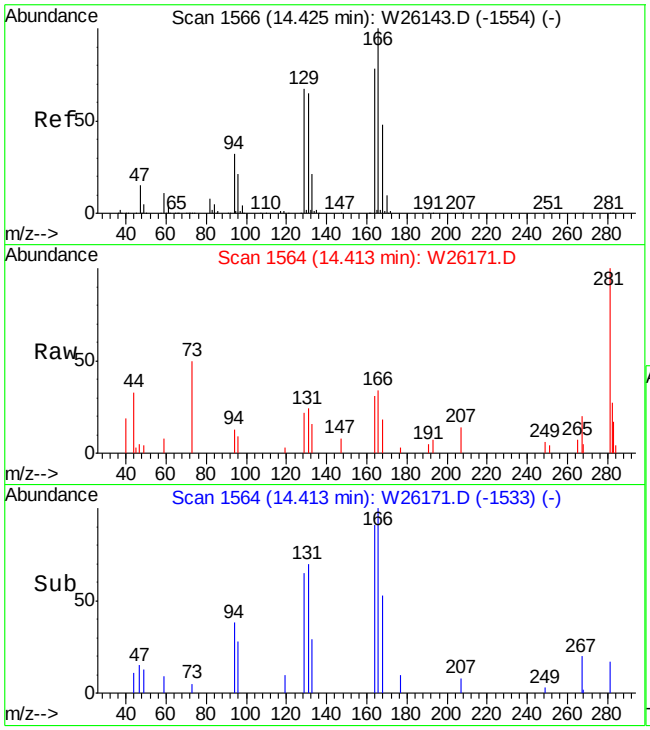


#60
TOLUENE
Concen: 0.28 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion: 92 Resp: 12645

Ion	Ratio	Lower	Upper
92	100		
91	165.6	148.1	188.1
65	16.0	0.0	37.4

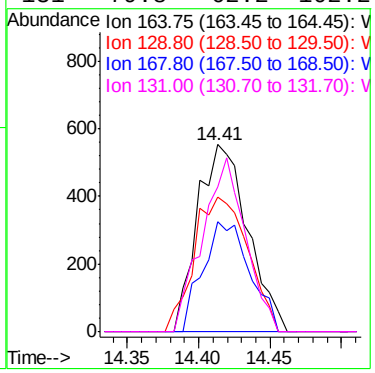


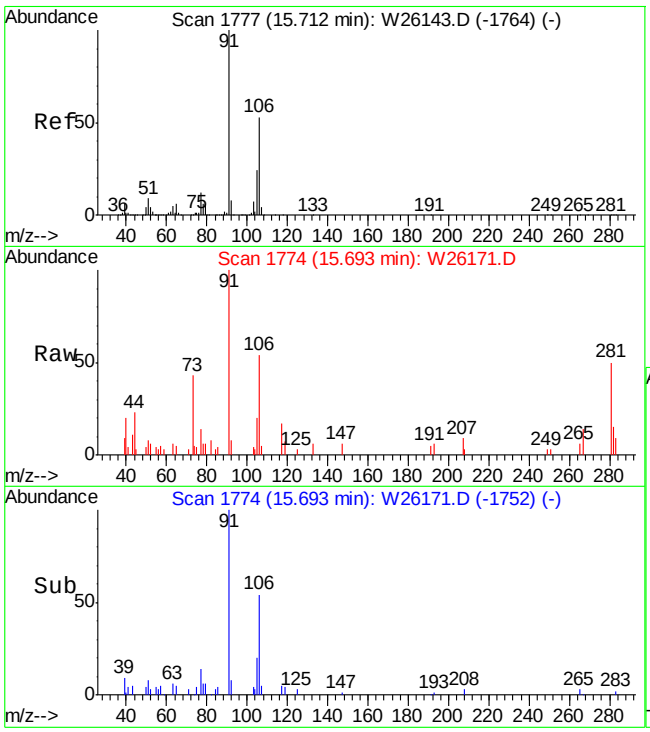


#65
TETRACHLOROETHYLENE
Concen: 0.05 PPBV
RT: 14.41 min Scan# 1564
Delta R.T. -0.01 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion:164 Resp: 1352

Ion	Ratio	Lower	Upper
164	100		
129	77.4	65.1	105.1
168	55.0	41.4	81.4
131	79.8	62.2	102.2

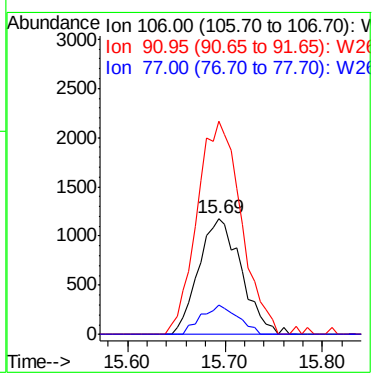




#72
m,p-XYLENE
Concen: 0.12 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26171.D
Acq: 6 May 2010 12:00 am

Tgt Ion:106 Resp: 3583

Ion	Ratio	Lower	Upper
106	100		
91	183.6	151.9	227.9
77	25.7	18.7	28.1



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26172.D Vial: 13
Acq On : 6 May 2010 12:41 am Operator: YOUMINH
Sample : JA45152-3 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:34 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

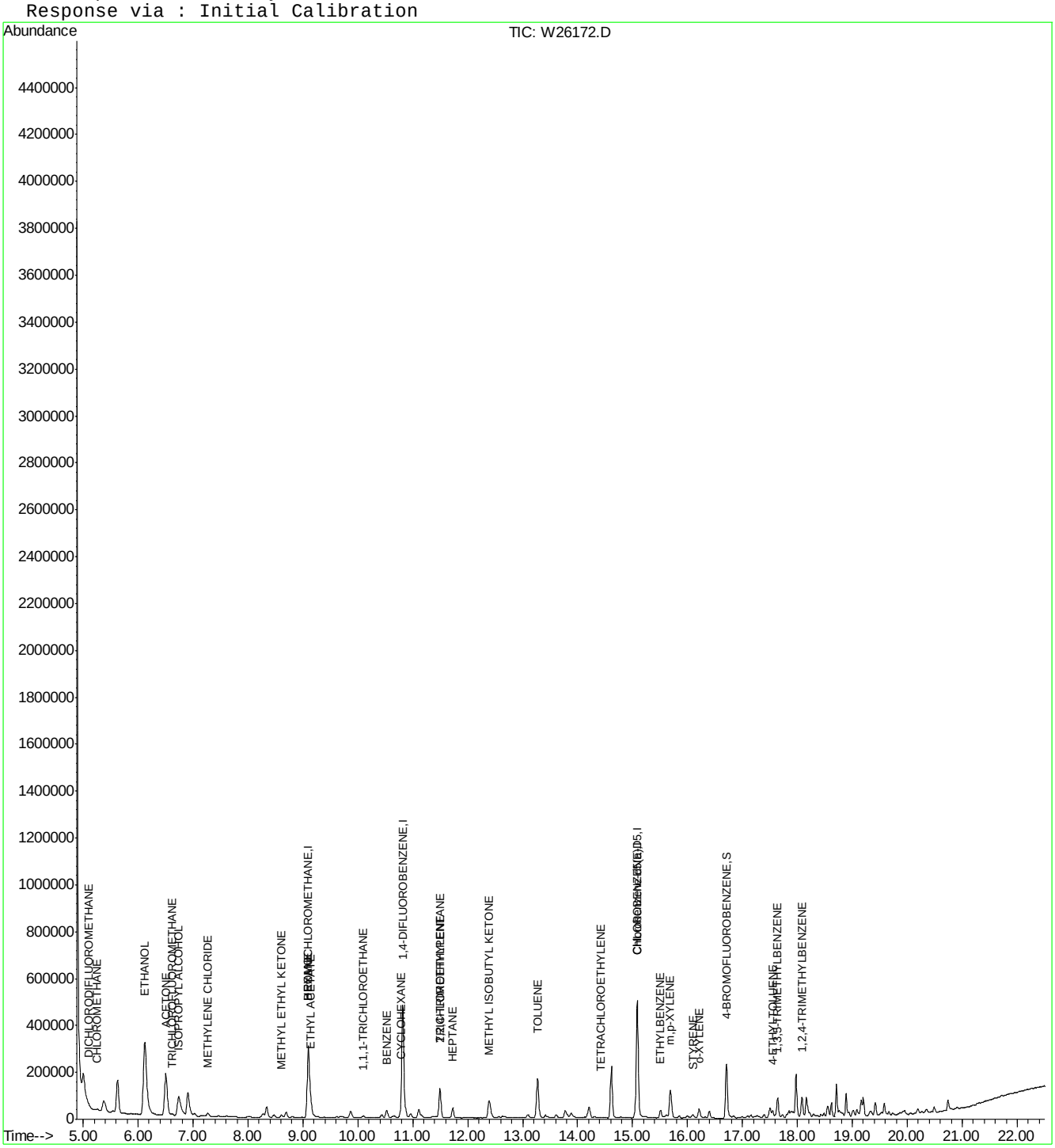
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	126387	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	612954	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	243980	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	243980	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	122340	5.18	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.10	85	19189	0.44	PPBV		97
8) CHLOROMETHANE	5.26	52	3072	0.58	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.62	101	10665	0.24	PPBV		95
18) ISOPROPYL ALCOHOL	6.74	45	236673	8.11	PPBV		99
19) ACETONE	6.51	58	97621	12.17	PPBV	#	83
25) ETHANOL	6.12	45	798394	113.11	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	3696	0.22	PPBV		95
34) HEXANE	9.10	57	32475	0.98	PPBV		85
37) METHYL ETHYL KETONE	8.61	72	5531	0.69	PPBV		99
40) ETHYL ACETATE	9.15	61	15216	2.80	PPBV	#	82
43) 1,1,1-TRICHLOROETHANE	10.10	97	4673	0.12	PPBV		98
47) BENZENE	10.52	78	43802	0.69	PPBV		99
48) CYCLOHEXANE	10.77	84	8962	0.29	PPBV	#	80
50) TRICHLOROETHYLENE	11.49	95	47878	1.81	PPBV		98
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	31162	0.30	PPBV		78
56) HEPTANE	11.72	43	28215	0.74	PPBV		86
58) METHYL ISOBUTYL KETONE	12.38	43	69051	2.02	PPBV		99
60) TOLUENE	13.27	92	105185	2.41	PPBV		100
65) TETRACHLOROETHYLENE	14.43	164	987	0.04	PPBV		89
71) ETHYLBENZENE	15.51	91	39589	0.51	PPBV		100
72) m,p-XYLENE	15.69	106	59684	1.96	PPBV		100
73) o-XYLENE	16.21	106	18120	0.61	PPBV		97
74) STYRENE	16.10	104	5477	0.14	PPBV		97
83) 4-ETHYLTOLUENE	17.55	105	15926	0.25	PPBV		96
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	18624	0.34	PPBV		96
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	65080	1.29	PPBV	#	32

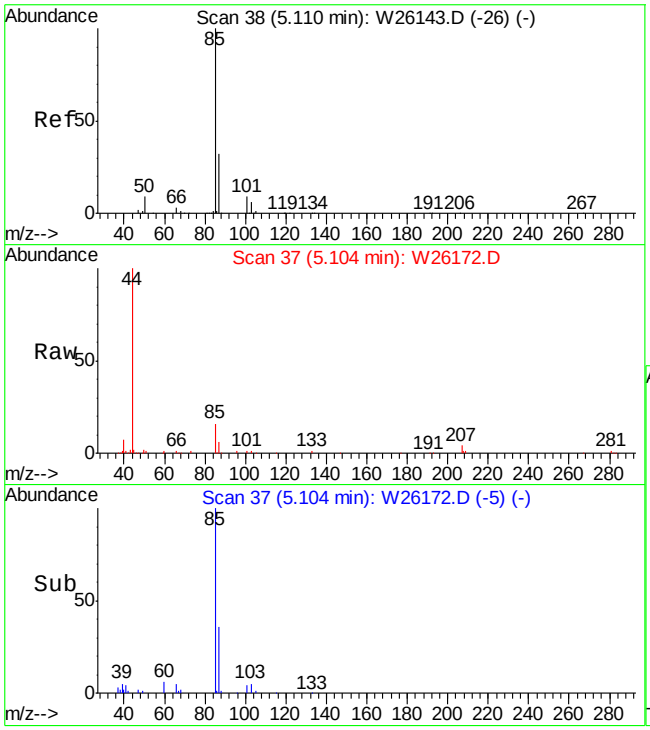
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26172.D Vial: 13
Acq On : 6 May 2010 12:41 am Operator: YOUMINH
Sample : JA45152-3 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:17 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

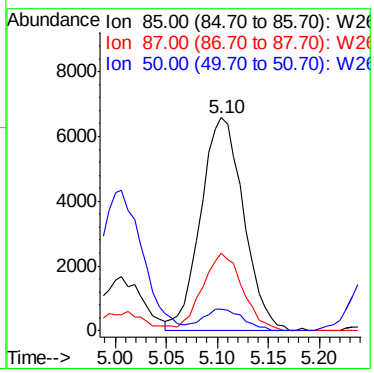


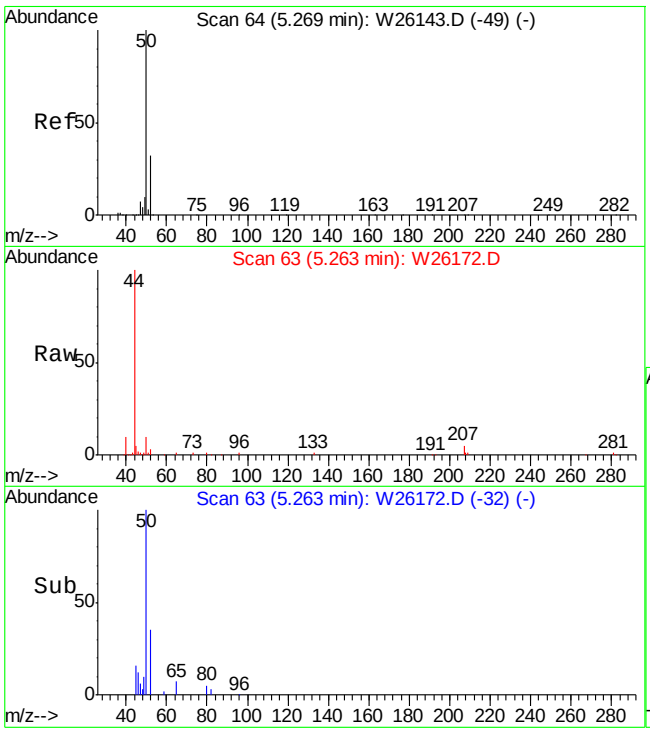


#5
DICHLORODIFLUOROMETHANE
Concen: 0.44 PPBV
RT: 5.10 min Scan# 37
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 85 Resp: 19189

Ion	Ratio	Lower	Upper
85	100		
87	34.6	12.3	52.3
50	9.8	0.0	29.8

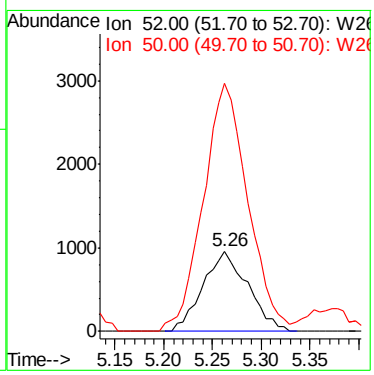


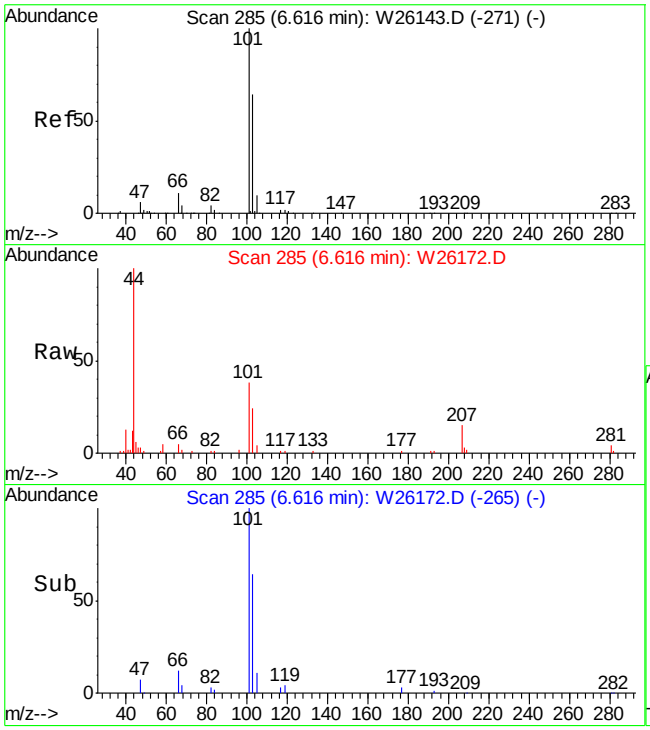


#8
CHLOROMETHANE
Concen: 0.58 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 52 Resp: 3072

Ion	Ratio	Lower	Upper
52	100		
50	298.6	289.7	329.7

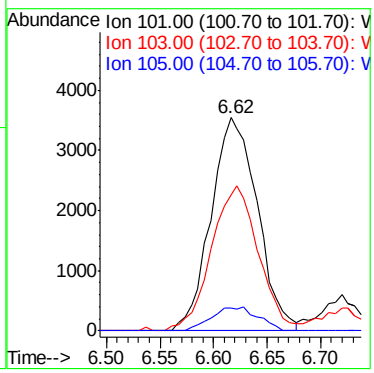


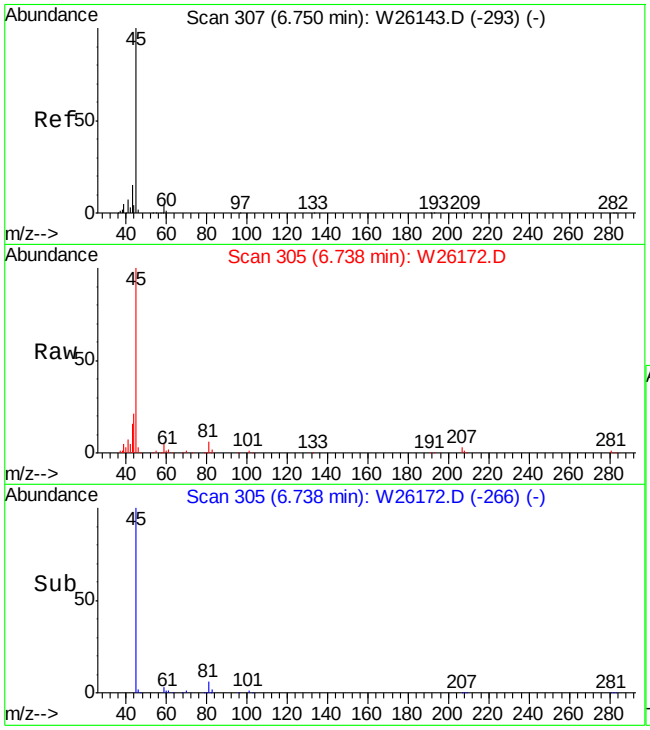


#17
TRICHLOROFLUOROMETHANE
Concen: 0.24 PPBV
RT: 6.62 min Scan# 285
Delta R.T. -0.00 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:101 Resp: 10665

Ion	Ratio	Lower	Upper
101	100		
103	69.2	44.6	84.6
105	11.3	0.0	30.3

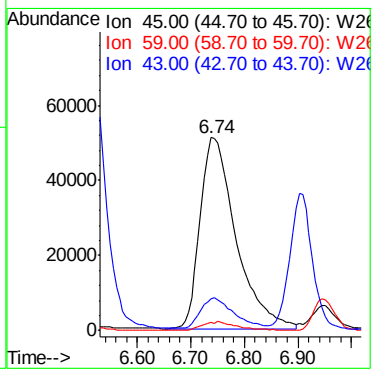


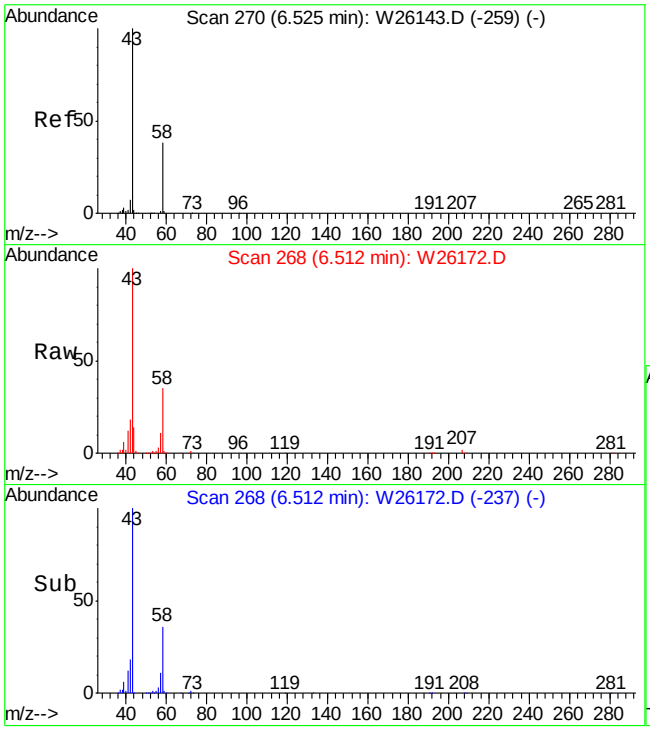


#18
ISOPROPYL ALCOHOL
Concen: 8.11 PPBV
RT: 6.74 min Scan# 305
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 45 Resp: 236673

Ion	Ratio	Lower	Upper
45	100		
59	4.5	0.0	24.5
43	16.2	0.0	35.9

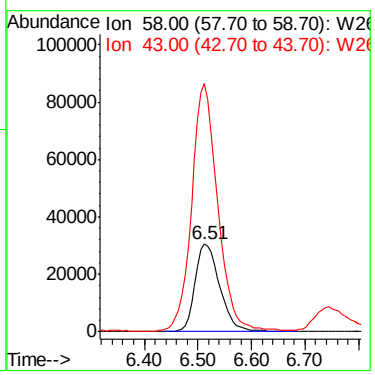


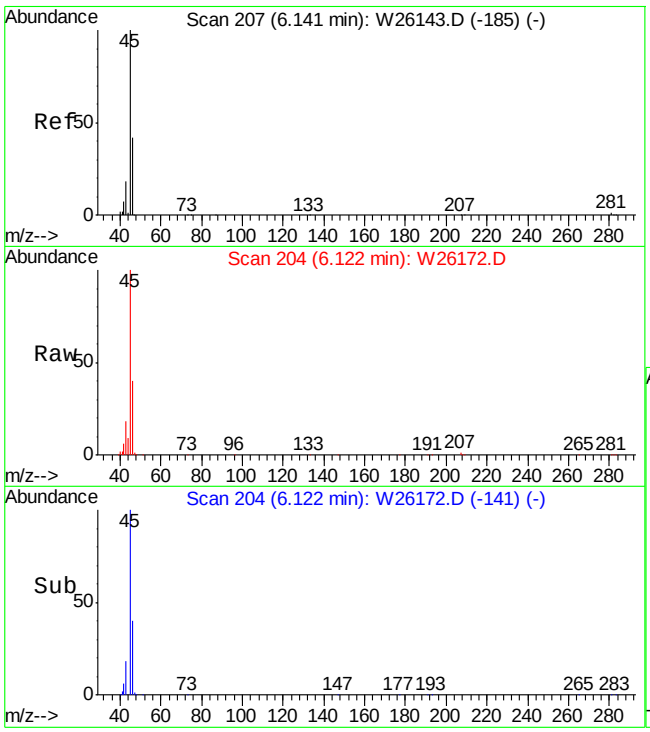


#19
ACETONE
Concen: 12.17 PPBV
RT: 6.51 min Scan# 268
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 58 Resp: 97621

Ion	Ratio	Lower	Upper
58	100		
43	295.9	245.6	285.6#

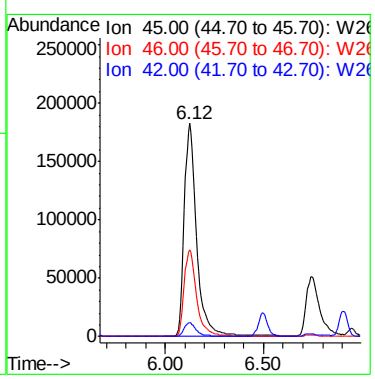


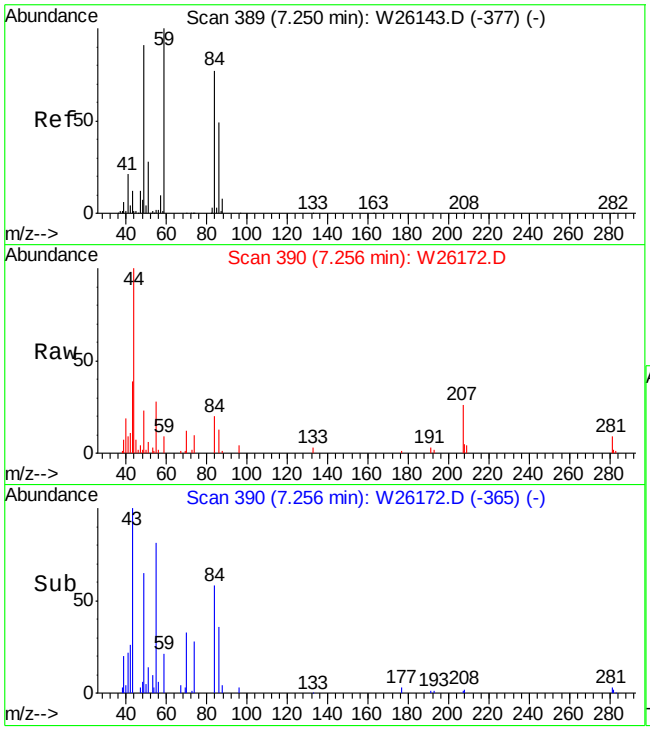


#25
ETHANOL
Concen: 113.11 PPBV
RT: 6.12 min Scan# 204
Delta R.T. -0.02 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 45 Resp: 798394

Ion	Ratio	Lower	Upper
45	100		
46	40.8	20.1	60.1
42	6.7	0.0	27.0

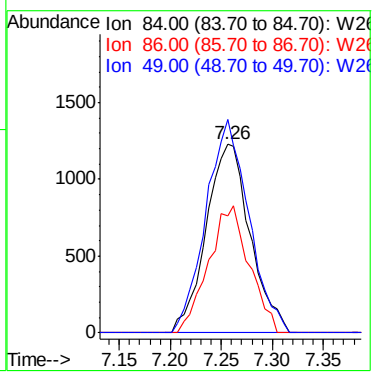


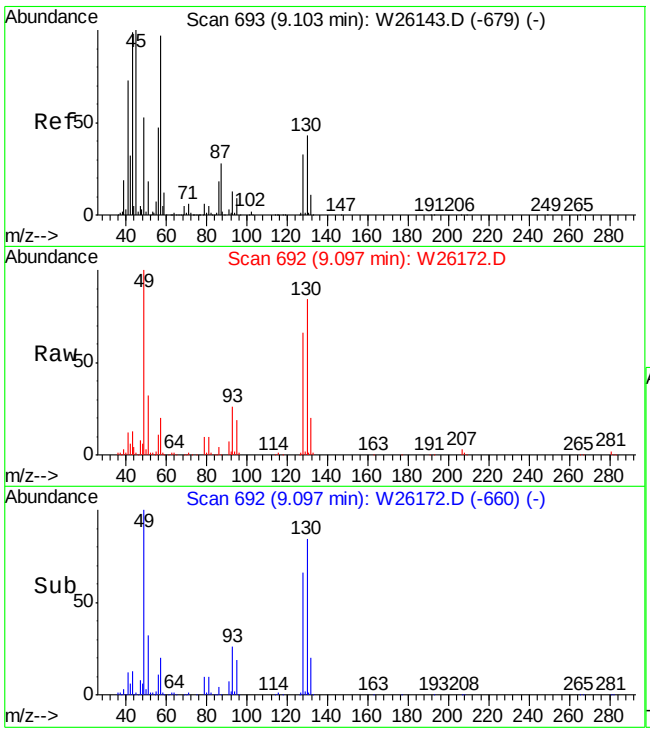


#27
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 7.26 min Scan# 390
Delta R.T. 0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 84 Resp: 3696

Ion	Ratio	Lower	Upper
84	100		
86	62.1	44.2	84.2
49	110.1	0.0	316.5

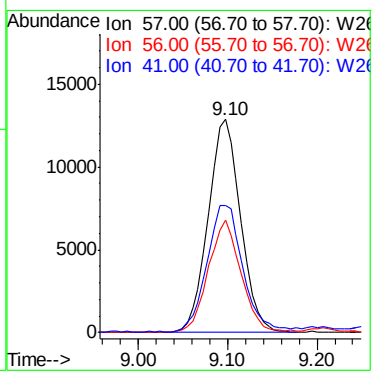


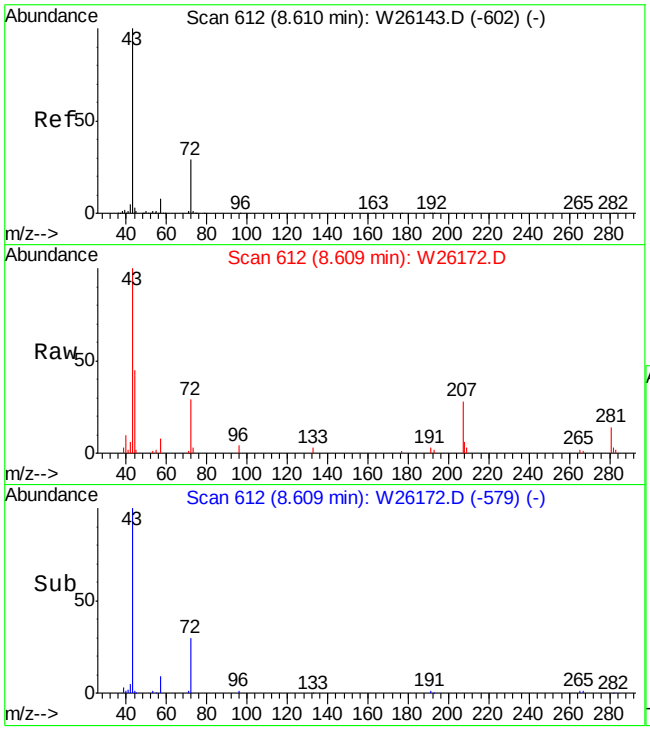


#34
HEXANE
Concen: 0.98 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 57 Resp: 32475

Ion	Ratio	Lower	Upper
57	100		
56	53.2	29.5	69.5
41	66.5	64.9	104.9

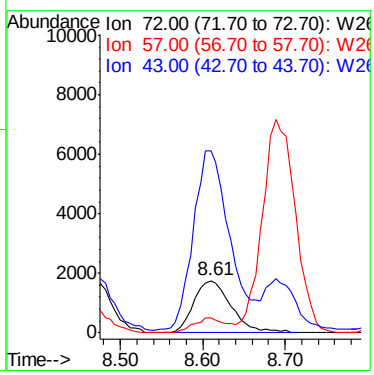


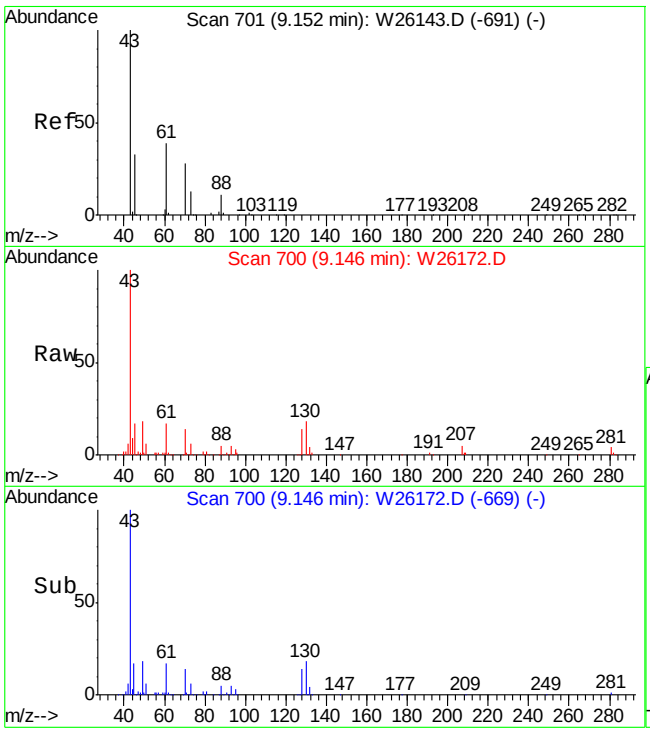


#37
METHYL ETHYL KETONE
Concen: 0.69 PPBV
RT: 8.61 min Scan# 612
Delta R.T. -0.00 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 72 Resp: 5531

Ion	Ratio	Lower	Upper
72	100		
57	29.0	8.0	48.0
43	349.7	331.8	371.8

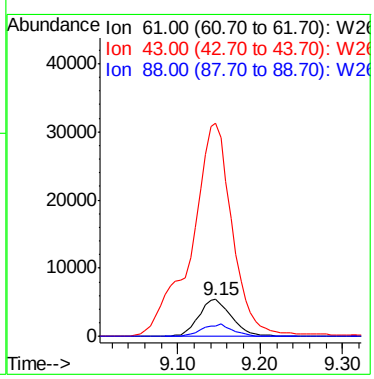


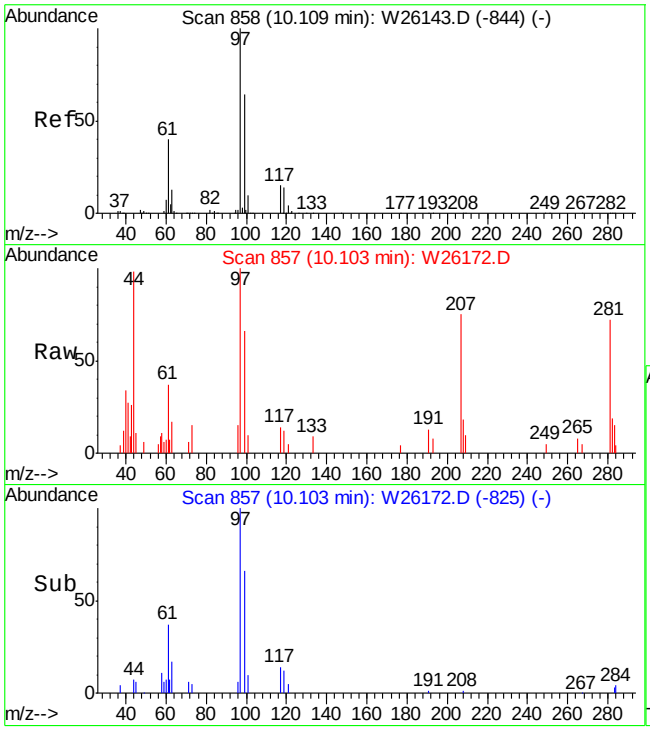


#40
ETHYL ACETATE
Concen: 2.80 PPBV
RT: 9.15 min Scan# 700
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 61 Resp: 15216

Ion	Ratio	Lower	Upper
61	100		
43	705.2	627.5	667.5#
88	30.5	28.3	68.3

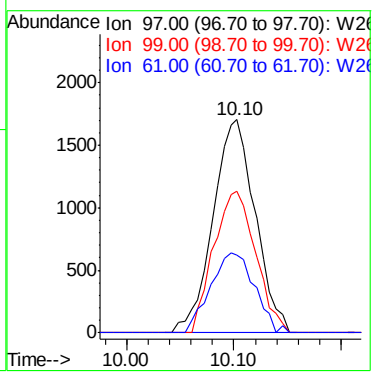


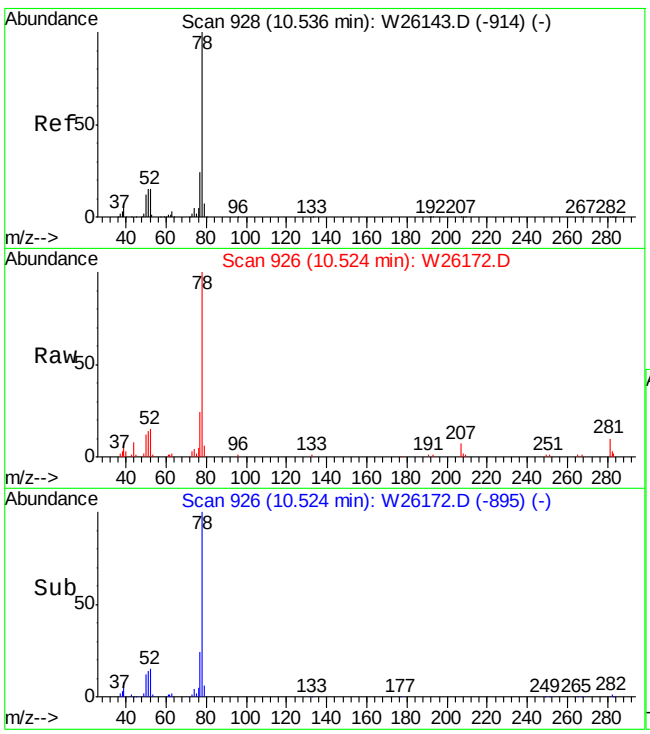


#43
1,1,1-TRICHLOROETHANE
Concen: 0.12 PPBV
RT: 10.10 min Scan# 857
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 97 Resp: 4673

Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.0	84.0
61	39.2	20.2	60.2

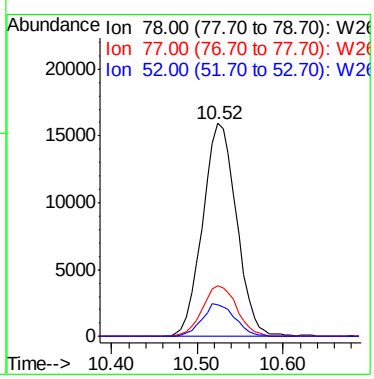


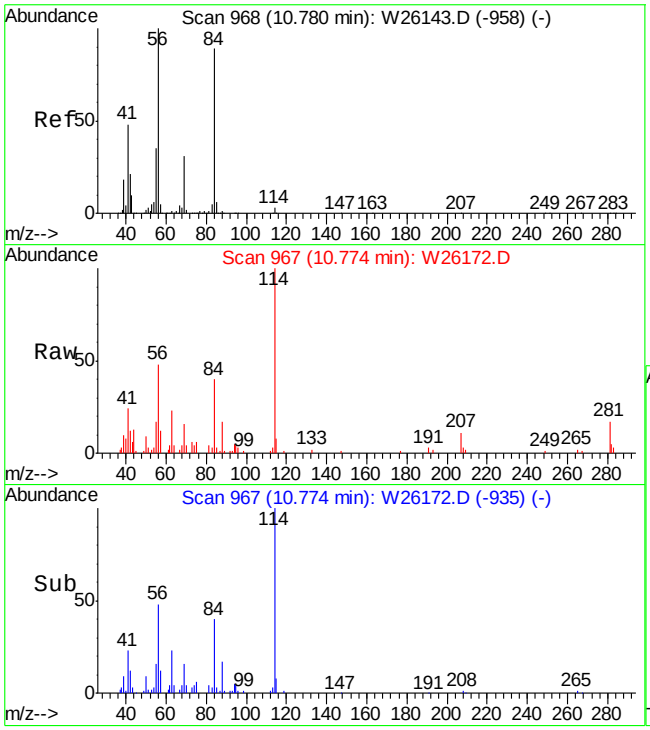


#47
BENZENE
Concen: 0.69 PPBV
RT: 10.52 min Scan# 926
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 78 Resp: 43802

Ion	Ratio	Lower	Upper
78	100		
77	24.1	3.5	43.5
52	14.9	0.0	34.8

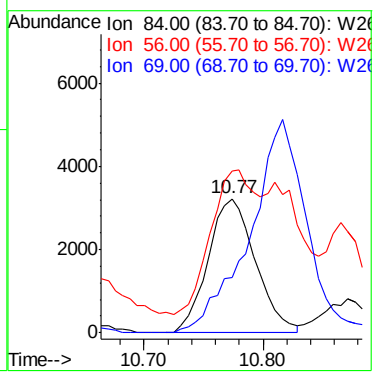


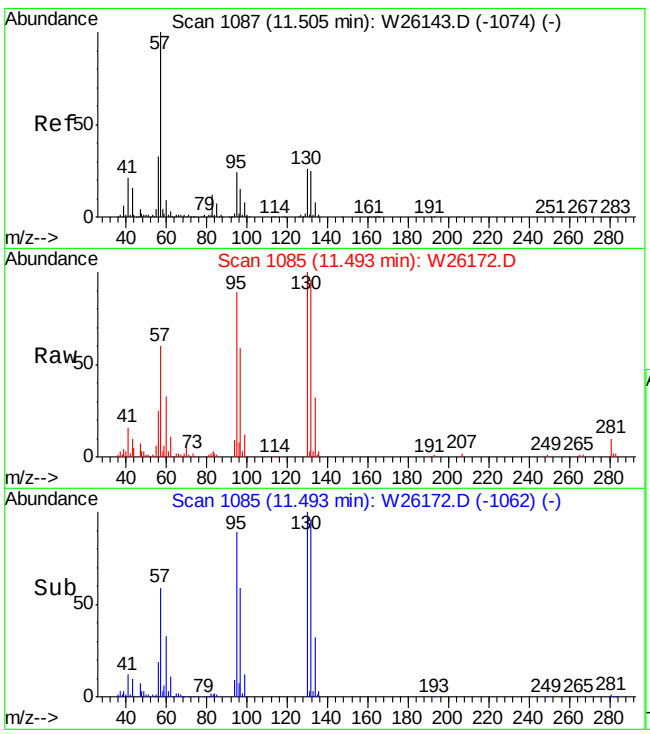


#48
CYCLOHEXANE
Concen: 0.29 PPBV
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 84 Resp: 8962

Ion	Ratio	Lower	Upper
84	100		
56	121.9	96.4	136.4
69	0.0	19.6	59.6#

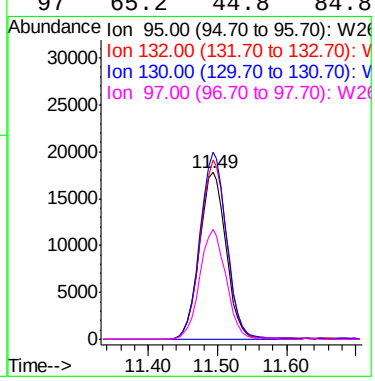


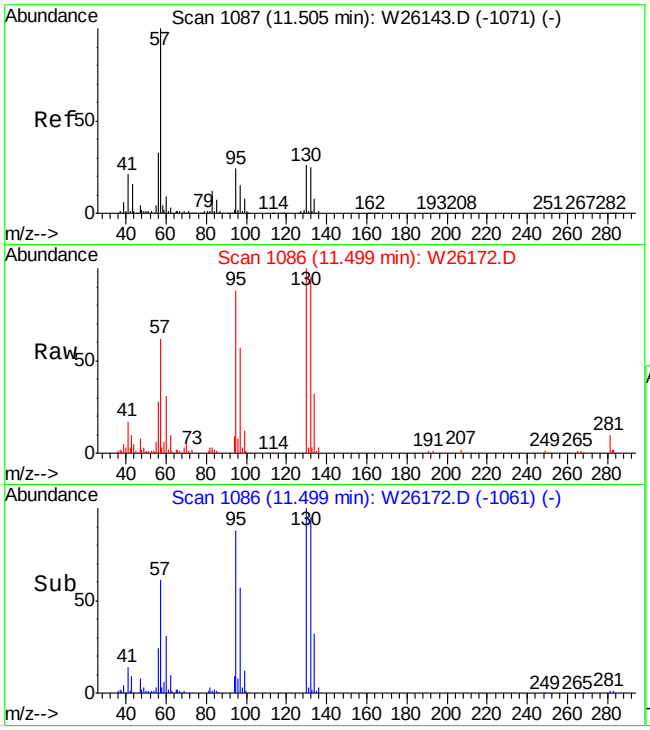


#50
TRICHLOROETHYLENE
Concen: 1.81 PPBV
RT: 11.49 min Scan# 1085
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 95 Resp: 47878

Ion	Ratio	Lower	Upper
95	100		
132	107.3	85.1	125.1
130	111.4	89.6	129.6
97	65.2	44.8	84.8

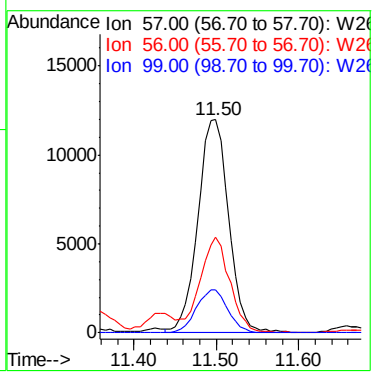


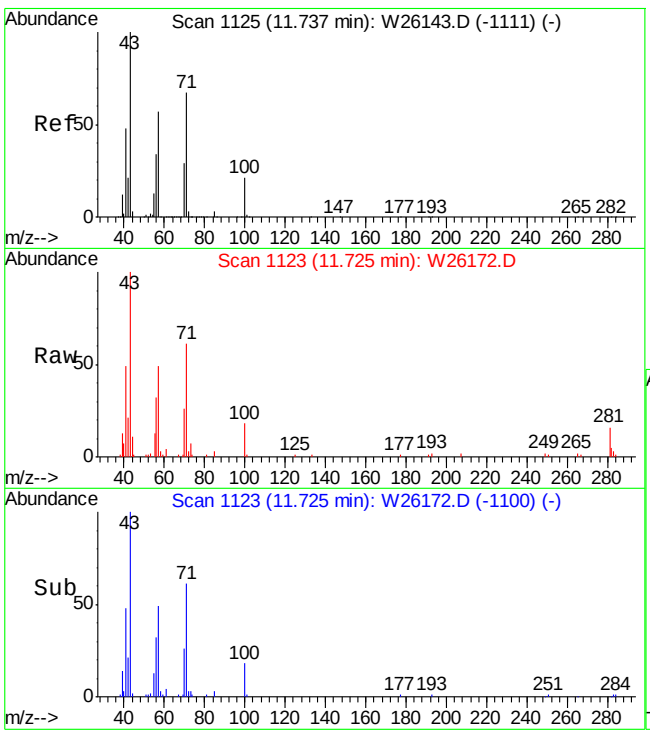


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.30 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 57 Resp: 31162

Ion	Ratio	Lower	Upper
57	100		
56	44.0	13.0	53.0
99	20.4	0.0	28.3

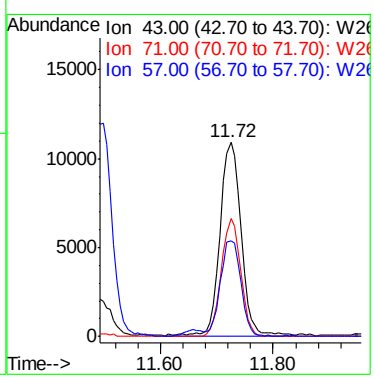


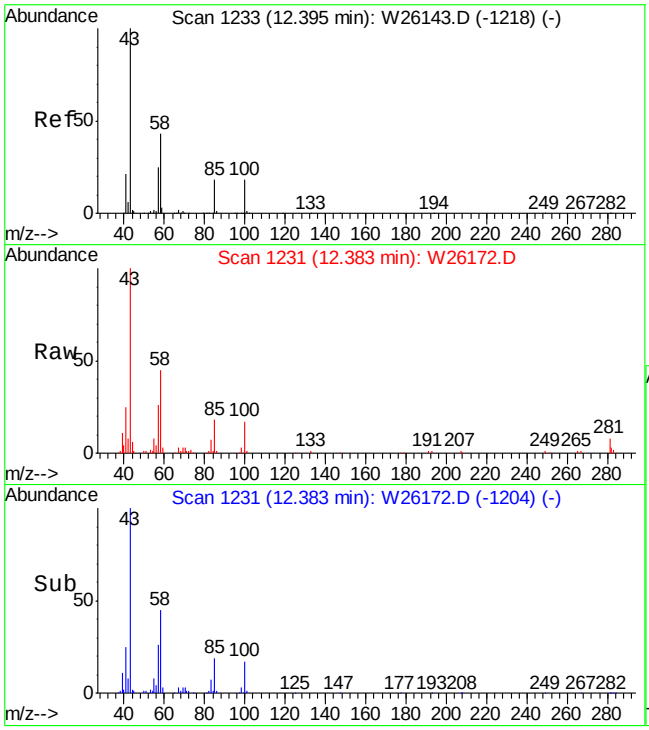


#56
HEPTANE
Concen: 0.74 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 43 Resp: 28215

Ion	Ratio	Lower	Upper
43	100		
71	54.3	45.5	85.5
57	47.1	36.6	76.6

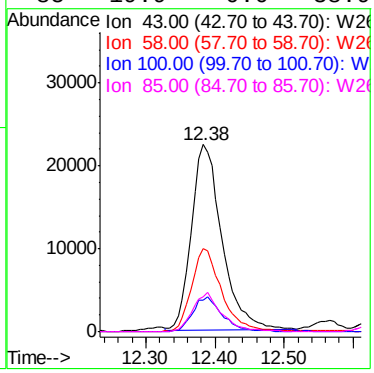


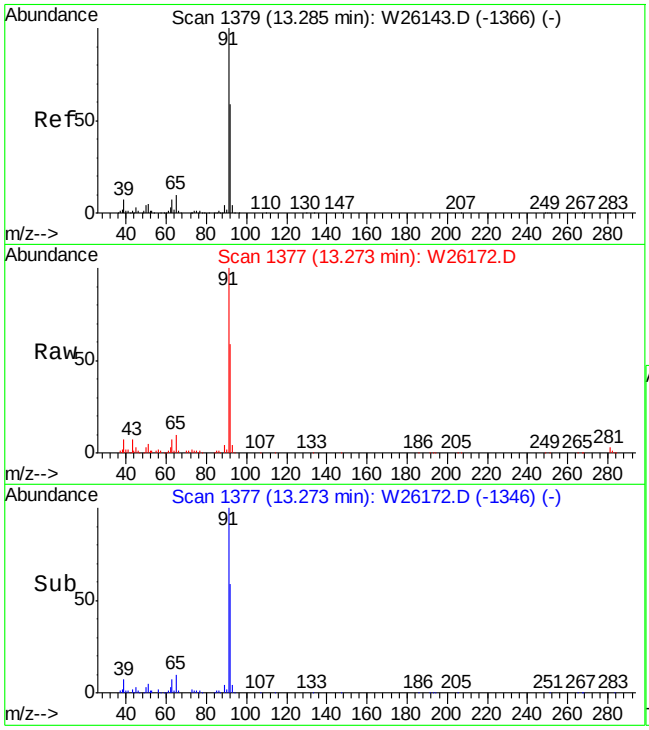


#58
METHYL ISOBUTYL KETONE
Concen: 2.02 PPBV
RT: 12.38 min Scan# 1231
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 43 Resp: 69051

Ion	Ratio	Lower	Upper
43	100		
58	43.9	23.4	63.4
100	18.2	0.0	37.6
85	19.9	0.0	38.9

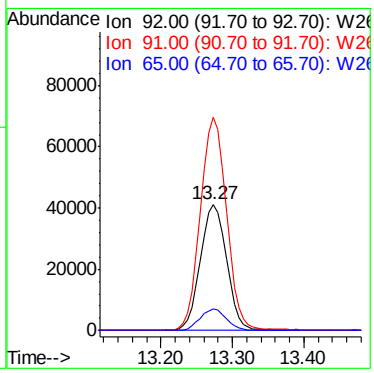


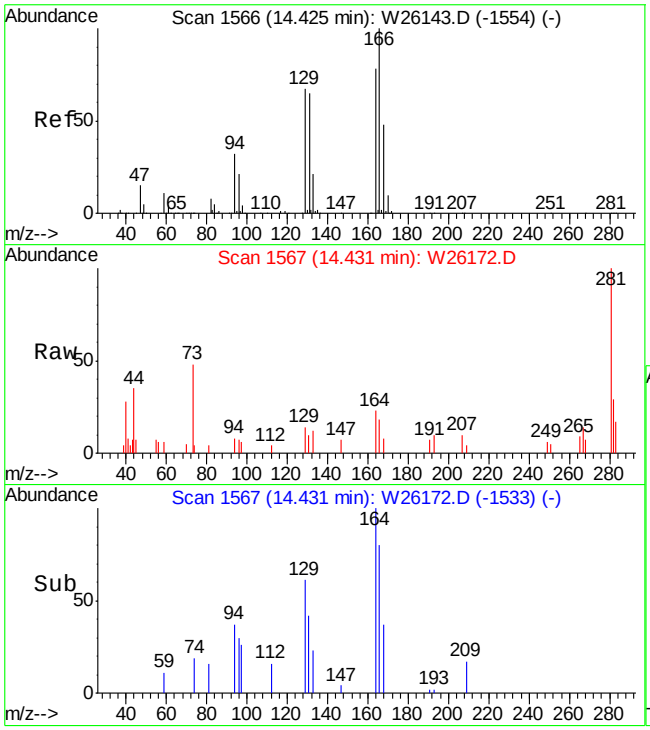


#60
TOLUENE
Concen: 2.41 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 92 Resp: 105185

Ion	Ratio	Lower	Upper
92	100		
91	168.5	148.1	188.1
65	17.1	0.0	37.4

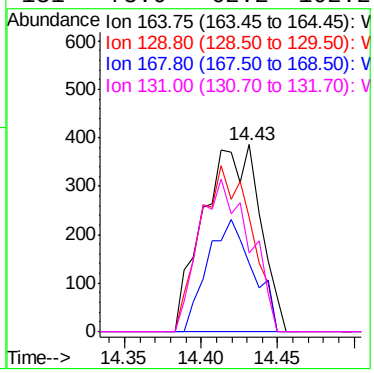


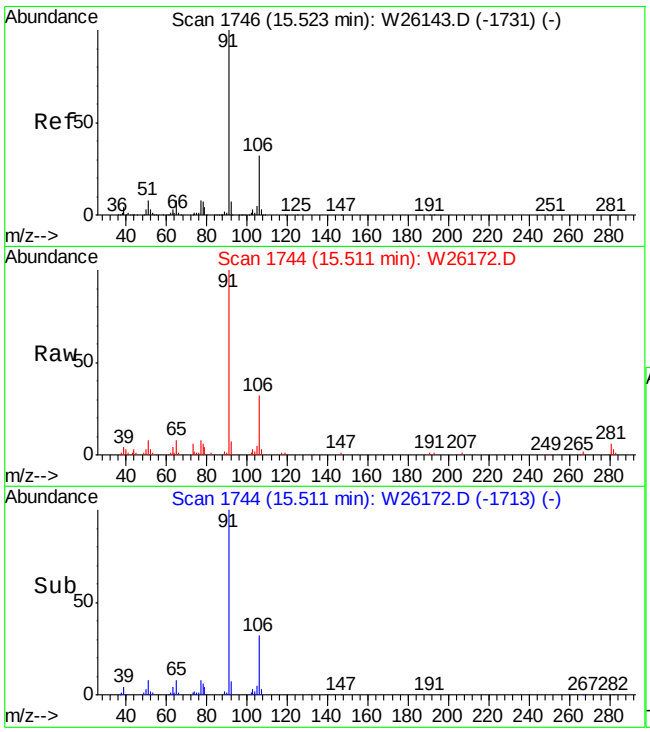


#65
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.43 min Scan# 1567
Delta R.T. 0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:164 Resp: 987

Ion	Ratio	Lower	Upper
164	100		
129	79.3	65.1	105.1
168	48.3	41.4	81.4
131	73.0	62.2	102.2

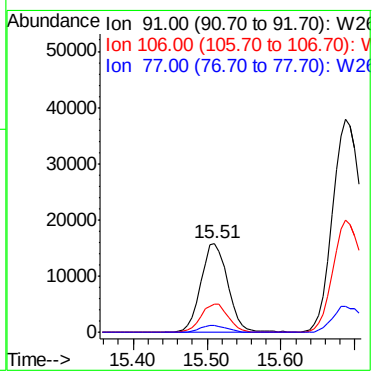


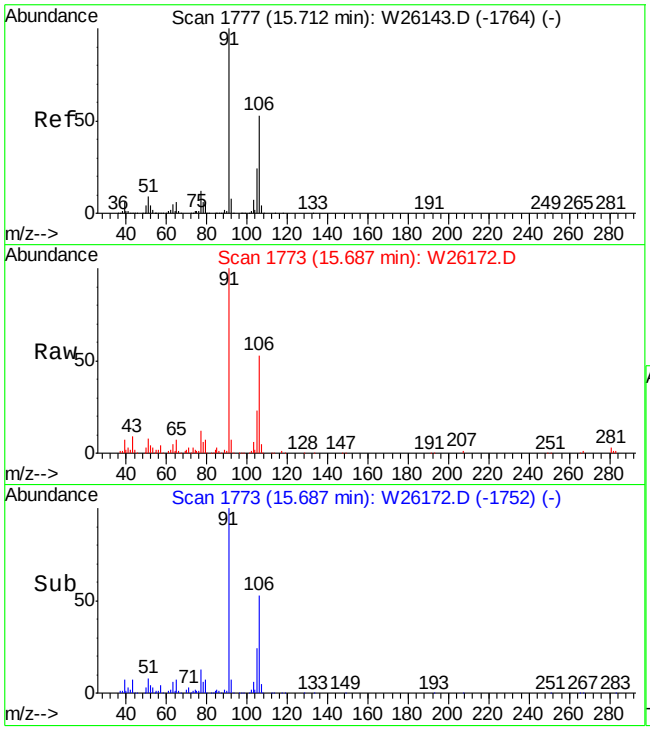


#71
ETHYLBENZENE
Concen: 0.51 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion: 91 Resp: 39589

Ion	Ratio	Lower	Upper
91	100		
106	32.2	12.3	52.3
77	7.9	0.0	27.9

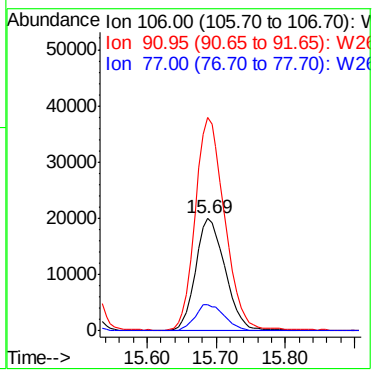


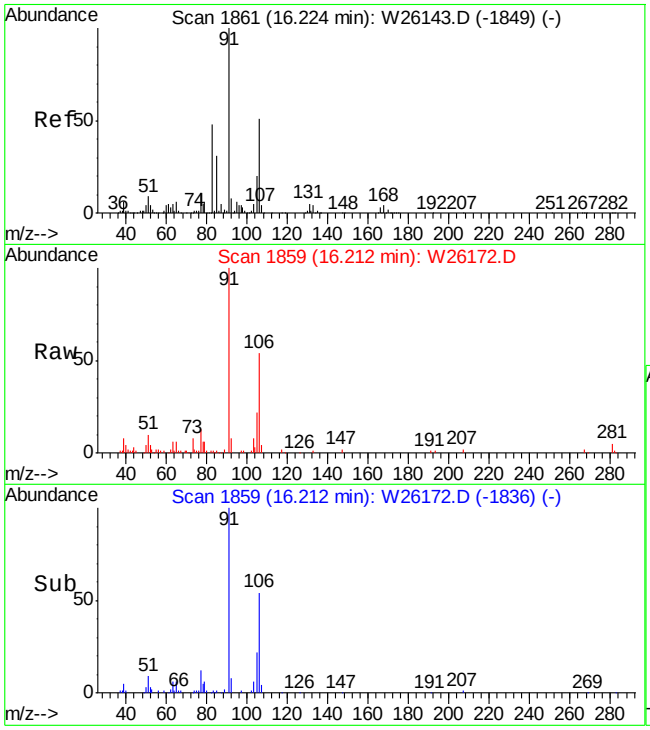


#72
m,p-XYLENE
Concen: 1.96 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:106 Resp: 59684

Ion	Ratio	Lower	Upper
106	100		
91	189.1	151.9	227.9
77	23.6	18.7	28.1

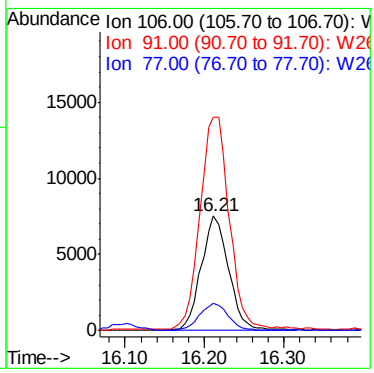


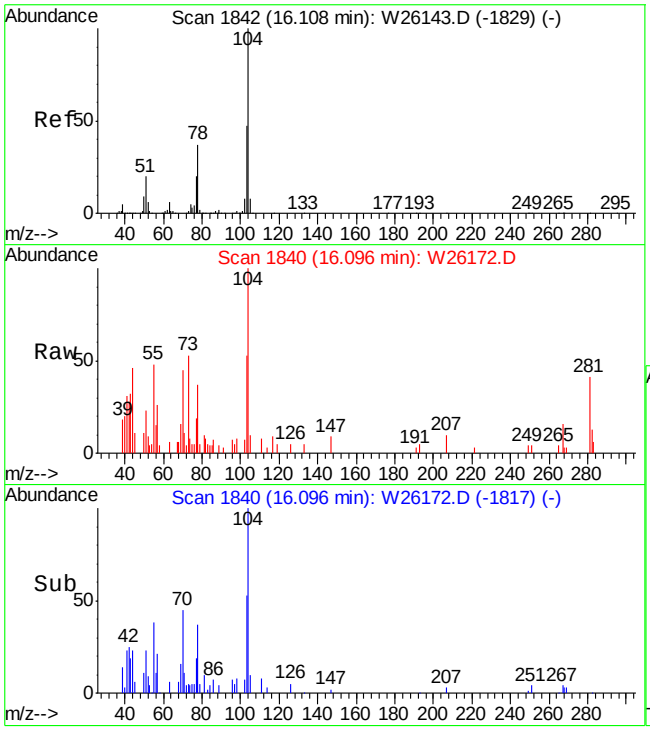


#73
o-XYLENE
Concen: 0.61 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:106 Resp: 18120

Ion	Ratio	Lower	Upper
106	100		
91	197.2	181.1	221.1
77	24.7	3.6	43.6

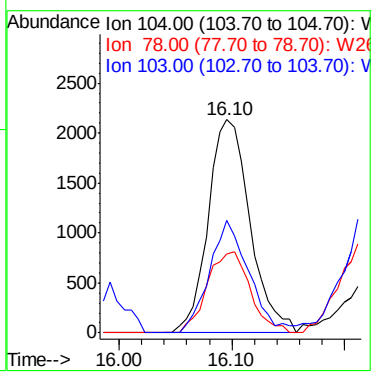


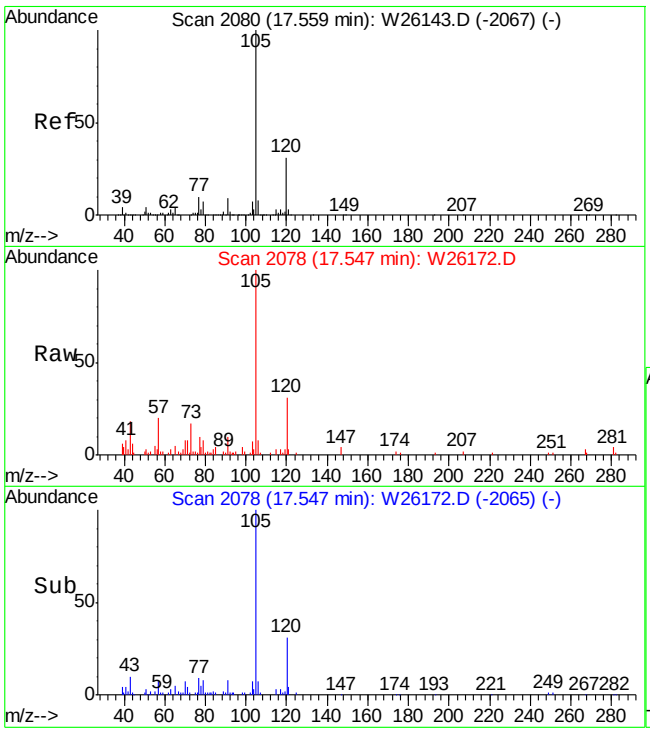


#74
STYRENE
Concen: 0.14 PPBV
RT: 16.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:104 Resp: 5477

Ion	Ratio	Lower	Upper
104	100		
78	39.0	17.3	57.3
103	49.6	27.4	67.4

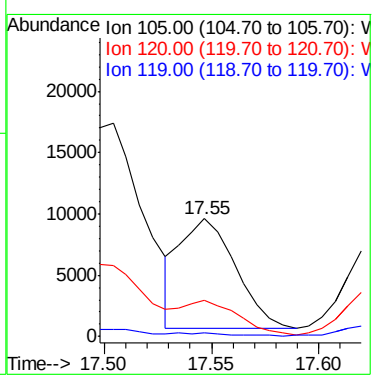


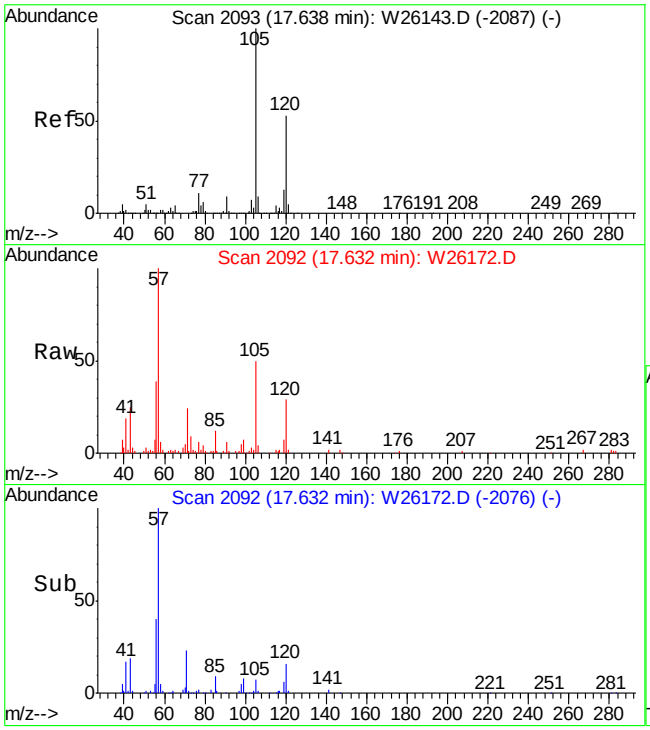


#83
4-ETHYLTOLUENE
Concen: 0.25 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:105 Resp: 15926

Ion	Ratio	Lower	Upper
105	100		
120	32.8	10.4	50.4
119	3.5	0.0	22.4

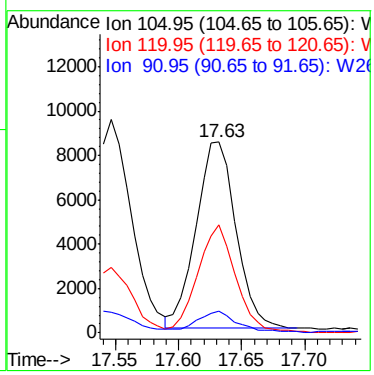


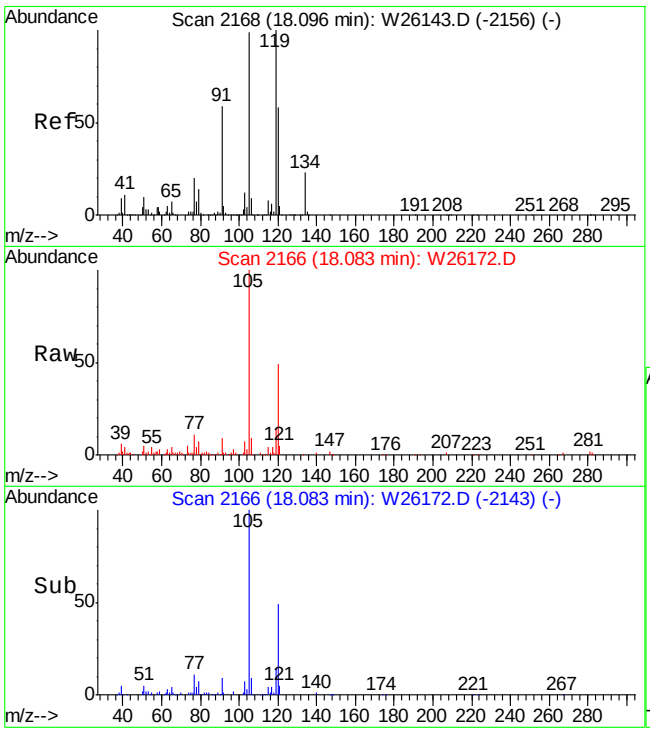


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.34 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:105 Resp: 18624

Ion	Ratio	Lower	Upper
105	100		
120	55.2	32.8	72.8
91	11.8	0.0	29.3

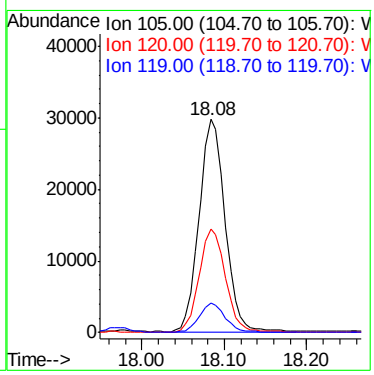




#86
1,2,4-TRIMETHYLBENZENE
Concen: 1.29 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26172.D
Acq: 6 May 2010 12:41 am

Tgt Ion:105 Resp: 65080

Ion	Ratio	Lower	Upper
105	100		
120	49.5	38.9	78.9
119	13.9	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26173.D Vial: 14
Acq On : 6 May 2010 1:22 am Operator: YOUMINH
Sample : JA45152-4 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:54:07 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

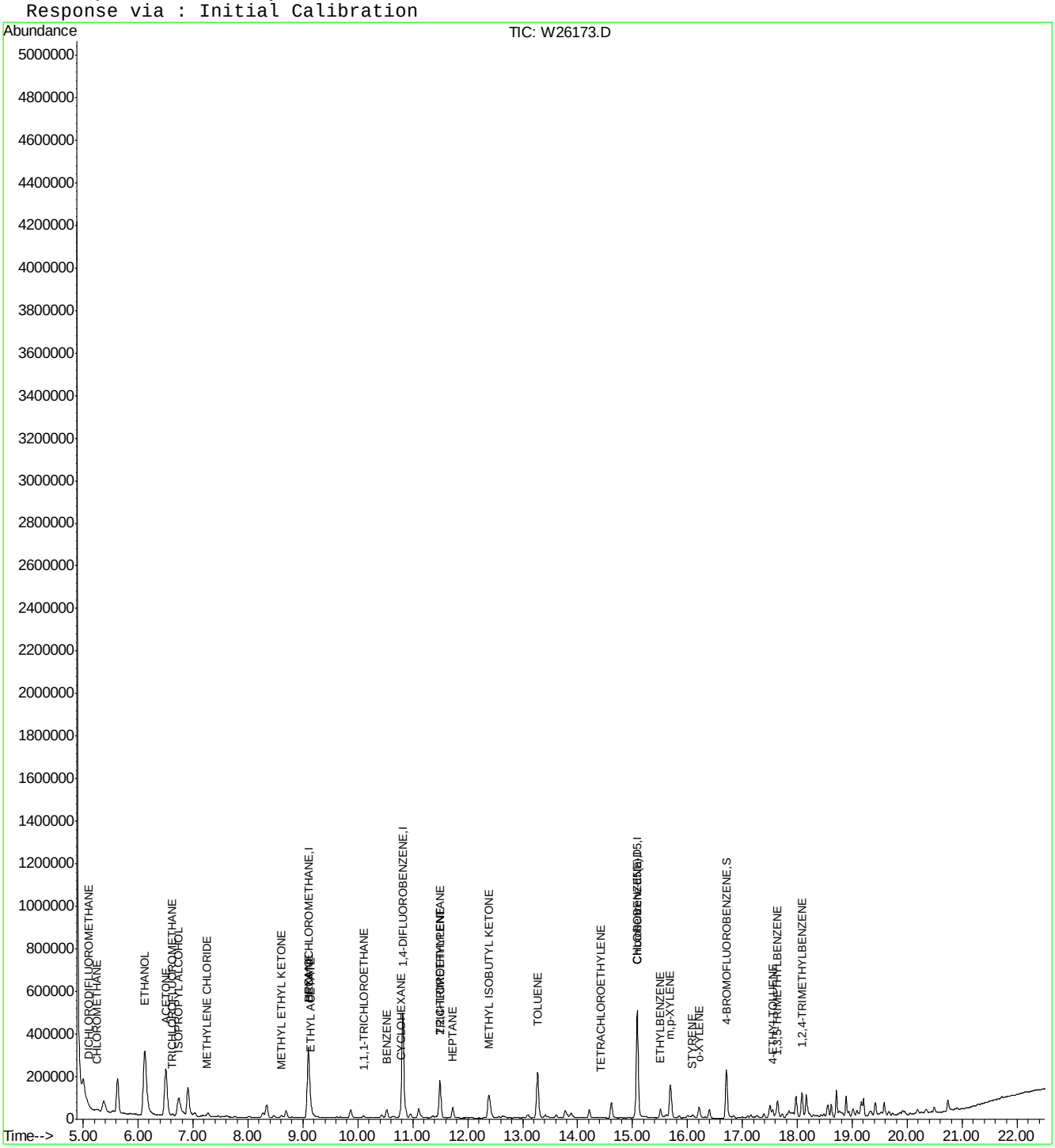
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	130291	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	624322	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	247000	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	247000	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	121500	5.08	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	19195	0.43	PPBV		98
8) CHLOROMETHANE	5.26	52	3080	0.56	PPBV	#	74
17) TRICHLOROFLUOROMETHANE	6.62	101	10150	0.23	PPBV		98
18) ISOPROPYL ALCOHOL	6.74	45	239024	7.95	PPBV		98
19) ACETONE	6.51	58	109812	13.28	PPBV	#	76
25) ETHANOL	6.12	45	775787	106.61	PPBV		99
27) METHYLENE CHLORIDE	7.25	84	3387	0.19	PPBV		99
34) HEXANE	9.10	57	44572	1.31	PPBV		86
37) METHYL ETHYL KETONE	8.61	72	5897	0.71	PPBV	#	90
40) ETHYL ACETATE	9.15	61	12002	2.14	PPBV	#	57
43) 1,1,1-TRICHLOROETHANE	10.10	97	6490	0.17	PPBV		99
47) BENZENE	10.53	78	52514	0.81	PPBV		100
48) CYCLOHEXANE	10.77	84	11618	0.37	PPBV	#	36
50) TRICHLOROETHYLENE	11.49	95	67714	2.51	PPBV		99
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	40427	0.38	PPBV		79
56) HEPTANE	11.72	43	29986	0.78	PPBV		93
58) METHYL ISOBUTYL KETONE	12.38	43	109599	3.15	PPBV		98
60) TOLUENE	13.27	92	137346	3.09	PPBV		99
65) TETRACHLOROETHYLENE	14.42	164	1118	0.04	PPBV		94
71) ETHYLBENZENE	15.51	91	47980	0.61	PPBV		100
72) m,p-XYLENE	15.69	106	77085	2.50	PPBV		97
73) o-XYLENE	16.21	106	23653	0.79	PPBV		99
74) STYRENE	16.10	104	6606	0.17	PPBV		98
83) 4-ETHYLTOLUENE	17.55	105	20899	0.33	PPBV		92
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	23690	0.42	PPBV		95
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	85633	1.68	PPBV	#	32

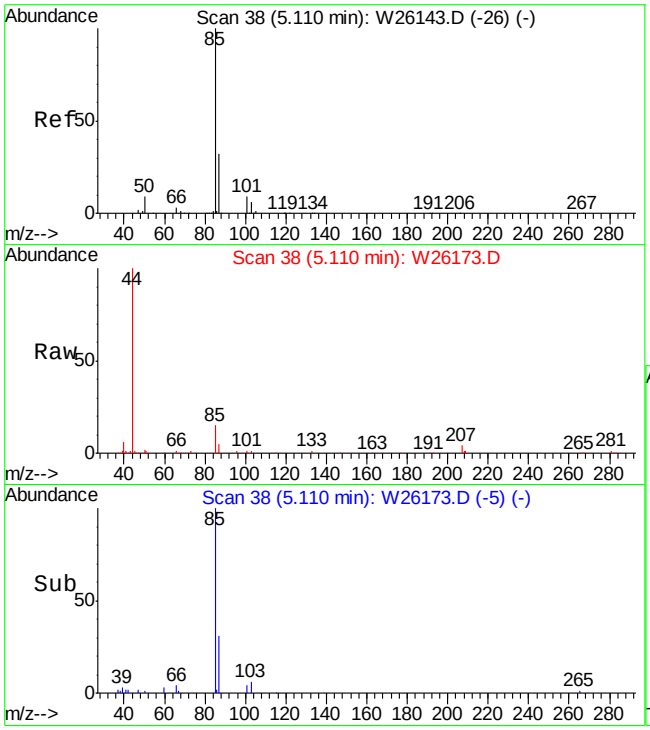
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26173.D Vial: 14
Acq On : 6 May 2010 1:22 am Operator: YOUMINH
Sample : JA45152-4 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:19 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

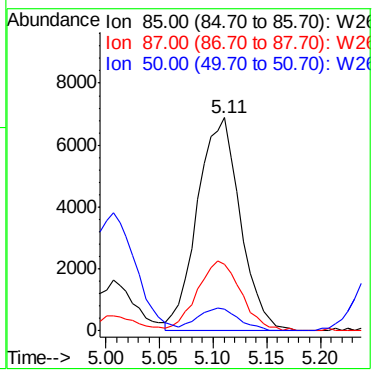


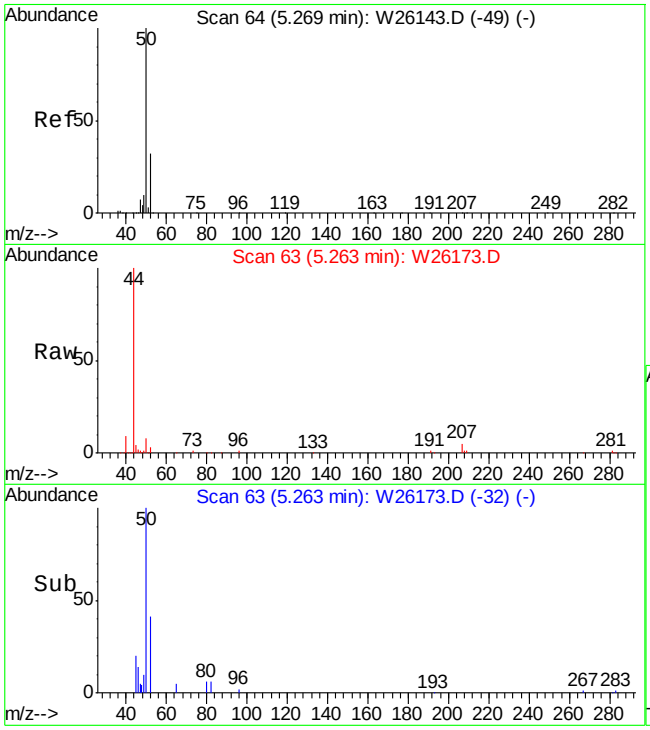


#5
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 5.11 min Scan# 38
Delta R.T. -0.00 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 85 Resp: 19195

Ion	Ratio	Lower	Upper
85	100		
87	33.4	12.3	52.3
50	10.2	0.0	29.8

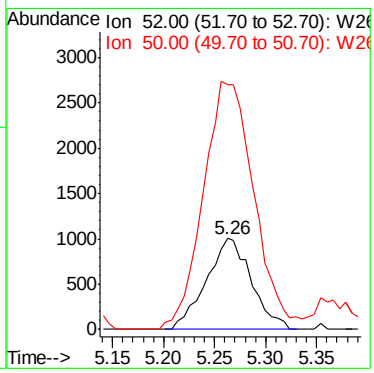


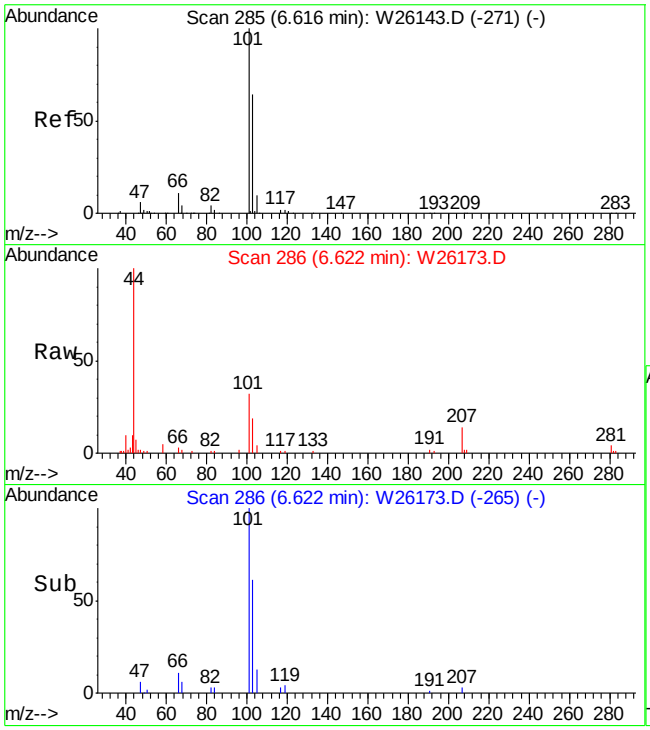


#8
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 52 Resp: 3080

Ion	Ratio	Lower	Upper
52	100		
50	258.2	289.7	329.7#

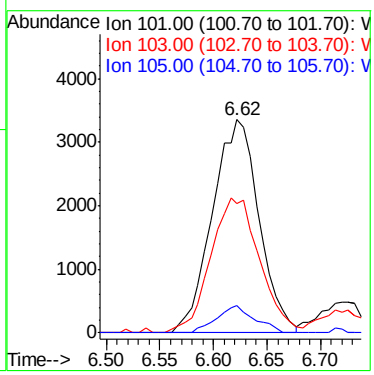


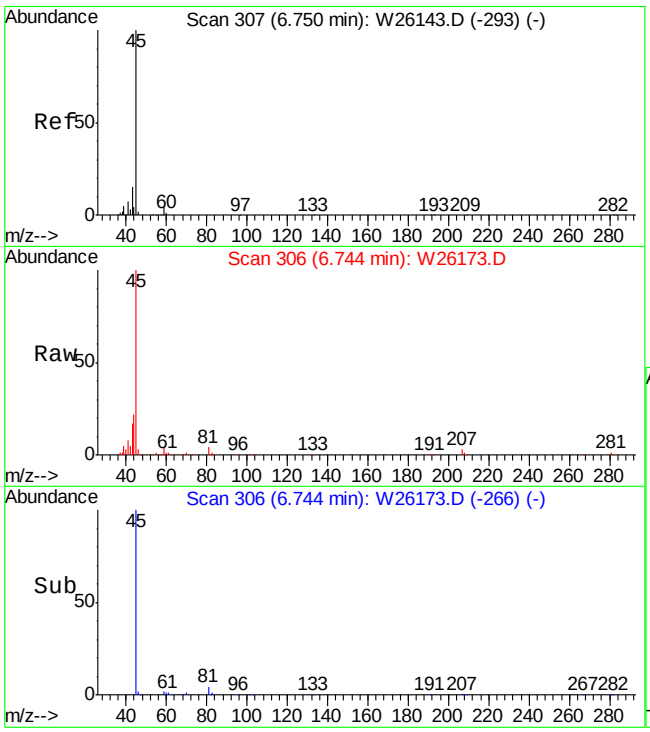


#17
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 6.62 min Scan# 286
Delta R.T. 0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:101 Resp: 10150

Ion	Ratio	Lower	Upper
101	100		
103	66.5	44.6	84.6
105	10.4	0.0	30.3

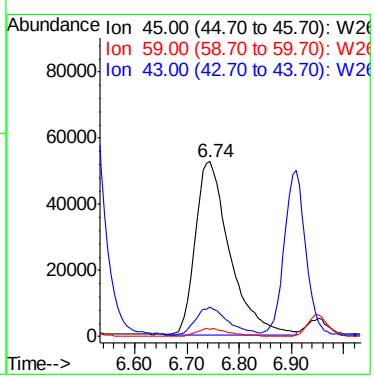


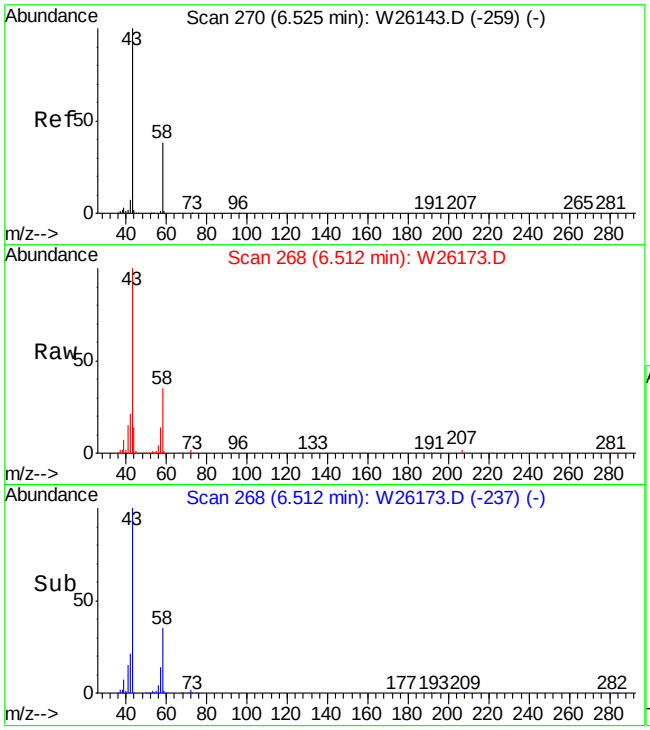


#18
ISOPROPYL ALCOHOL
Concen: 7.95 PPBV
RT: 6.74 min Scan# 306
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 45 Resp: 239024

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	24.5
43	16.9	0.0	35.9

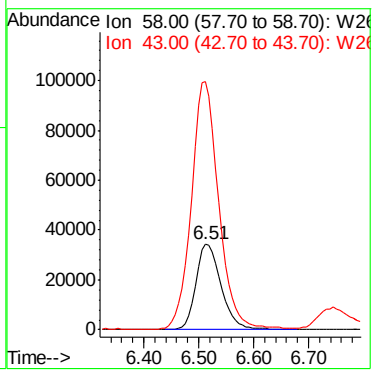


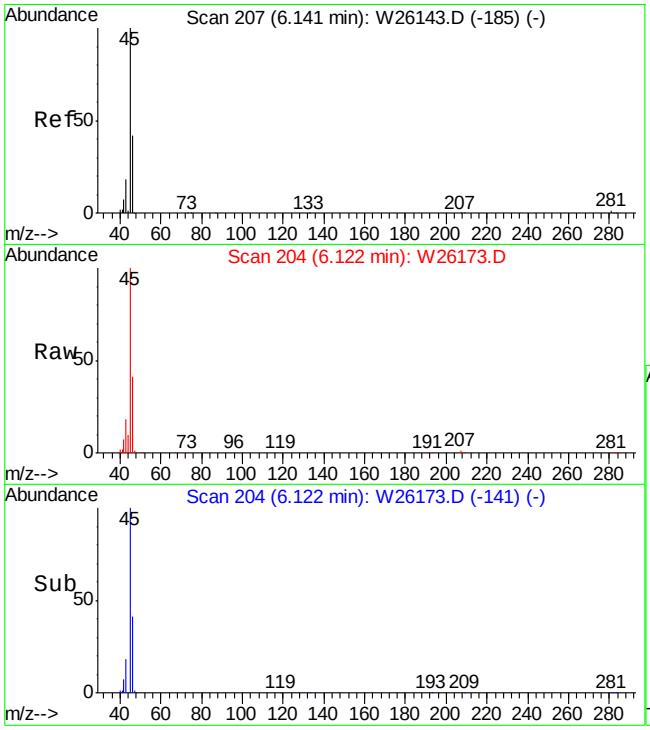


#19
ACETONE
Concen: 13.28 PPBV
RT: 6.51 min Scan# 268
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 58 Resp: 109812

Ion	Ratio	Lower	Upper
58	100		
43	309.8	245.6	285.6#

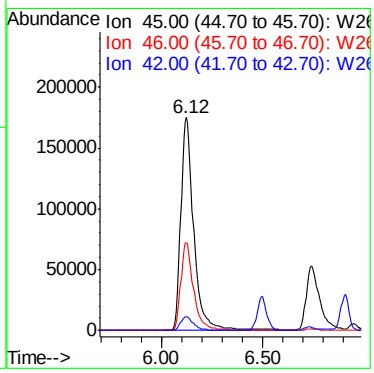


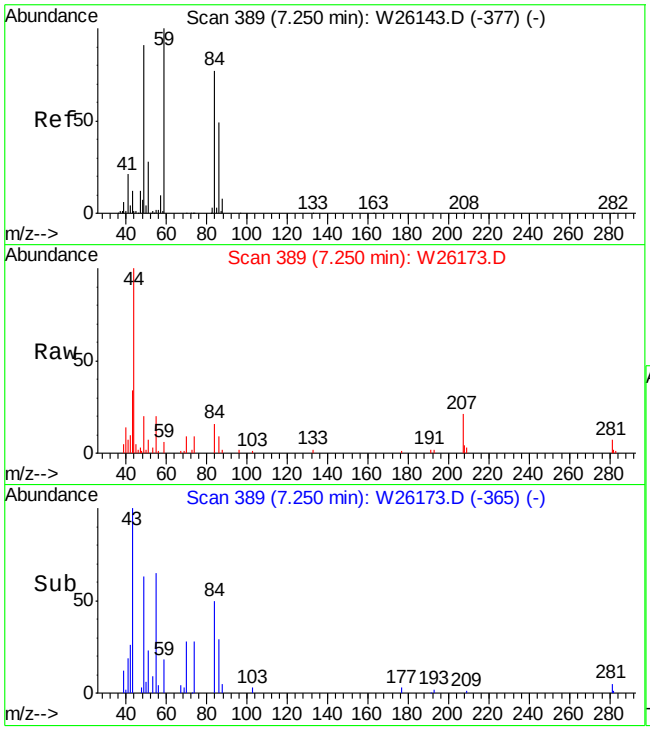


#25
ETHANOL
Concen: 106.61 PPBV
RT: 6.12 min Scan# 204
Delta R.T. -0.02 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 45 Resp: 775787

Ion	Ratio	Lower	Upper
45	100		
46	40.7	20.1	60.1
42	6.6	0.0	27.0

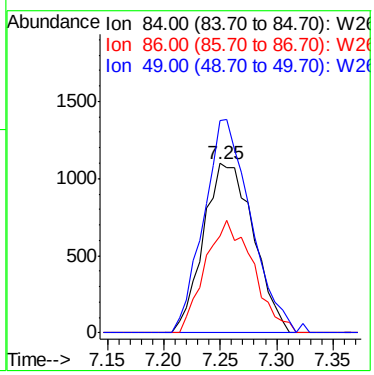


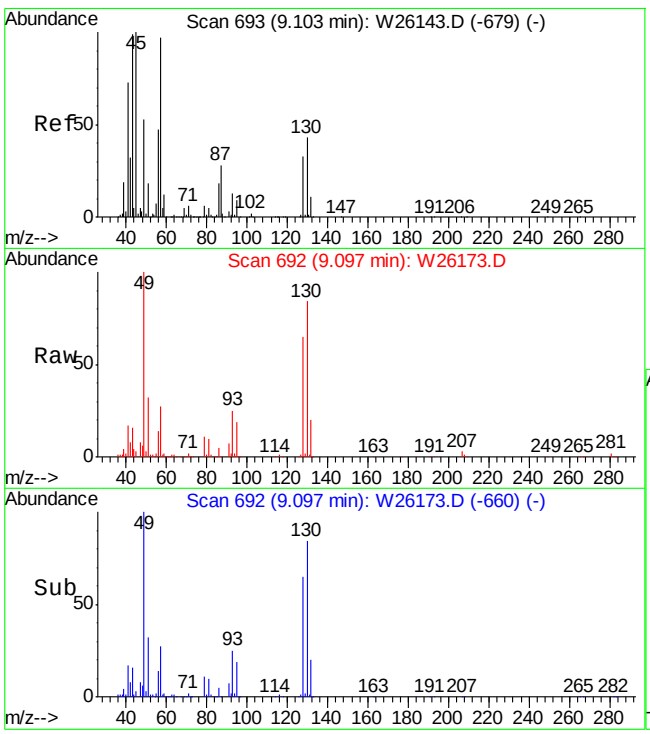


#27
METHYLENE CHLORIDE
Concen: 0.19 PPBV
RT: 7.25 min Scan# 389
Delta R.T. -0.00 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 84 Resp: 3387

Ion	Ratio	Lower	Upper
84	100		
86	63.8	44.2	84.2
49	118.6	0.0	316.5

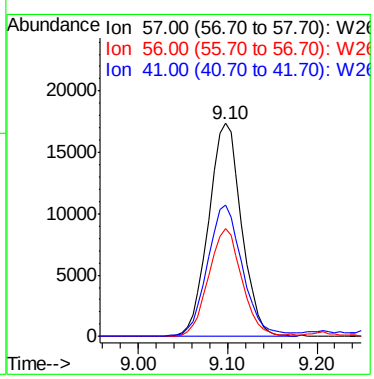


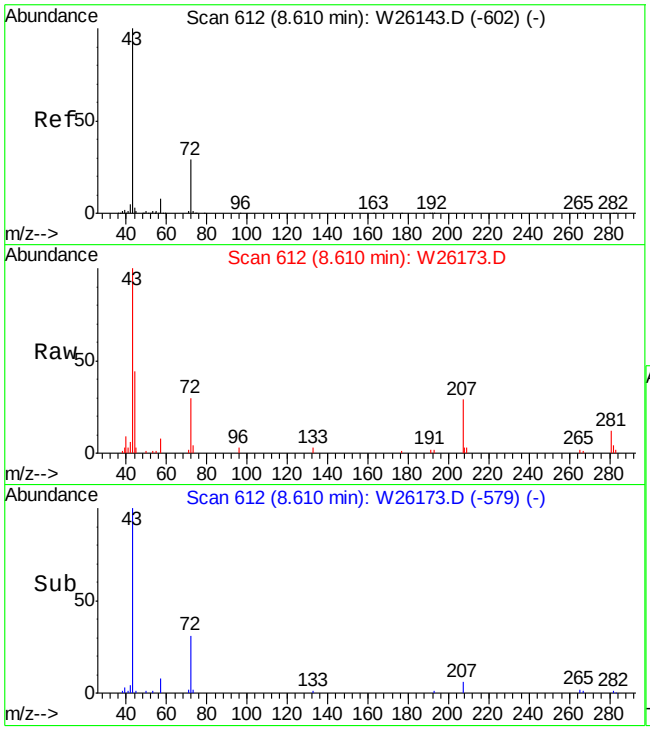


#34
HEXANE
Concen: 1.31 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 57 Resp: 44572

Ion	Ratio	Lower	Upper
57	100		
56	51.2	29.5	69.5
41	66.0	64.9	104.9

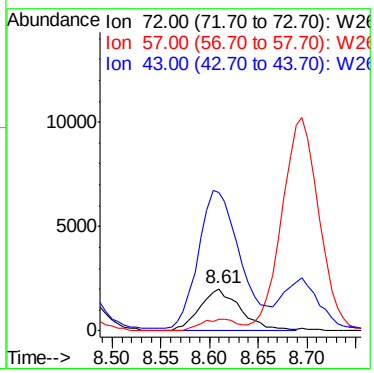


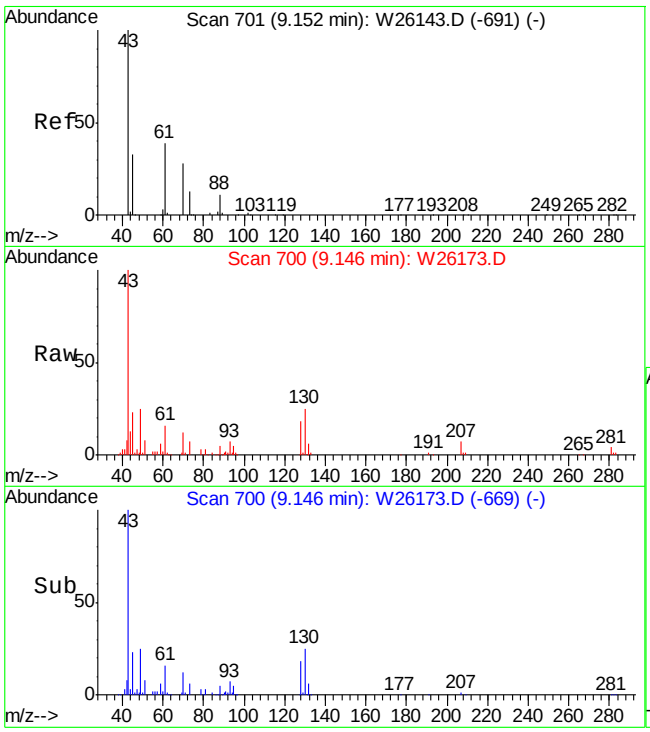


#37
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 8.61 min Scan# 612
Delta R.T. -0.00 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 72 Resp: 5897

Ion	Ratio	Lower	Upper
72	100		
57	26.8	8.0	48.0
43	329.7	331.8	371.8#

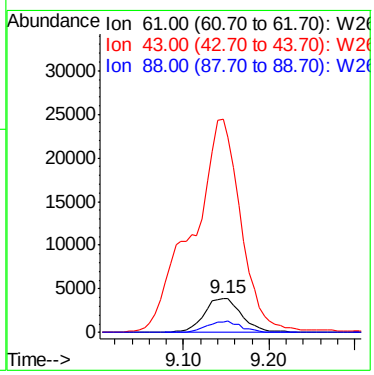


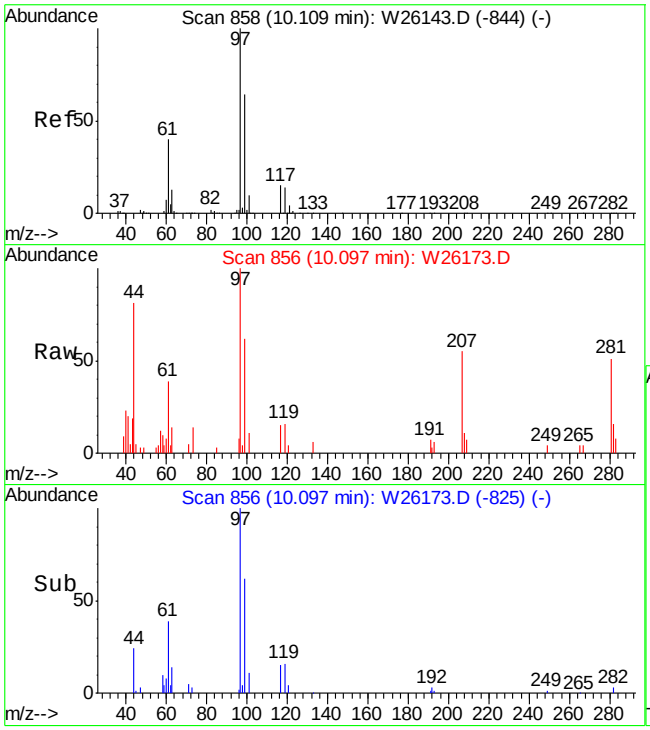


#40
ETHYL ACETATE
Concen: 2.14 PPBV
RT: 9.15 min Scan# 700
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 61 Resp: 12002

Ion	Ratio	Lower	Upper
61	100		
43	792.9	627.5	667.5#
88	29.6	28.3	68.3

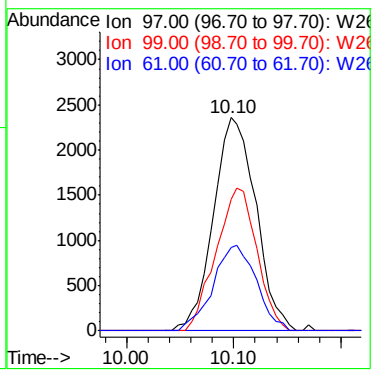


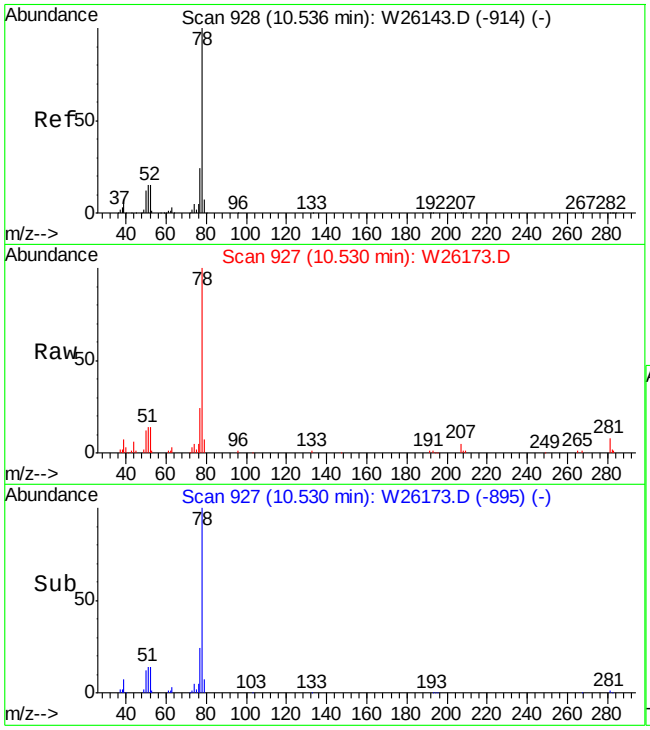


#43
1,1,1-TRICHLOROETHANE
Concen: 0.17 PPBV
RT: 10.10 min Scan# 856
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 97 Resp: 6490

Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.0	84.0
61	41.0	20.2	60.2

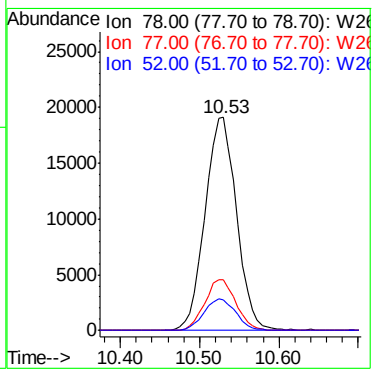


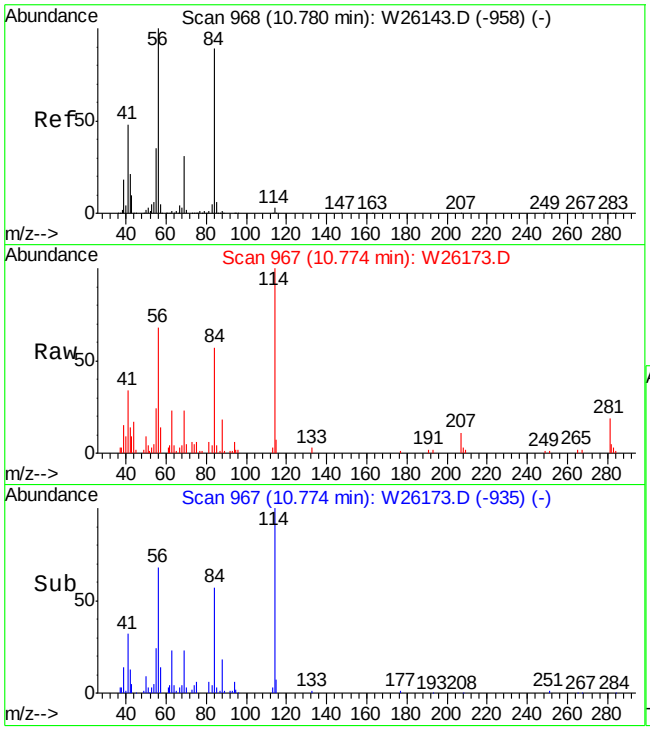


#47
BENZENE
Concen: 0.81 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 78 Resp: 52514

Ion	Ratio	Lower	Upper
78	100		
77	23.6	3.5	43.5
52	15.0	0.0	34.8

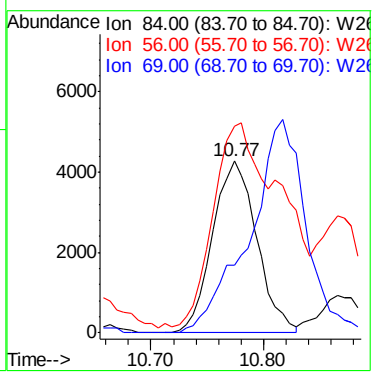


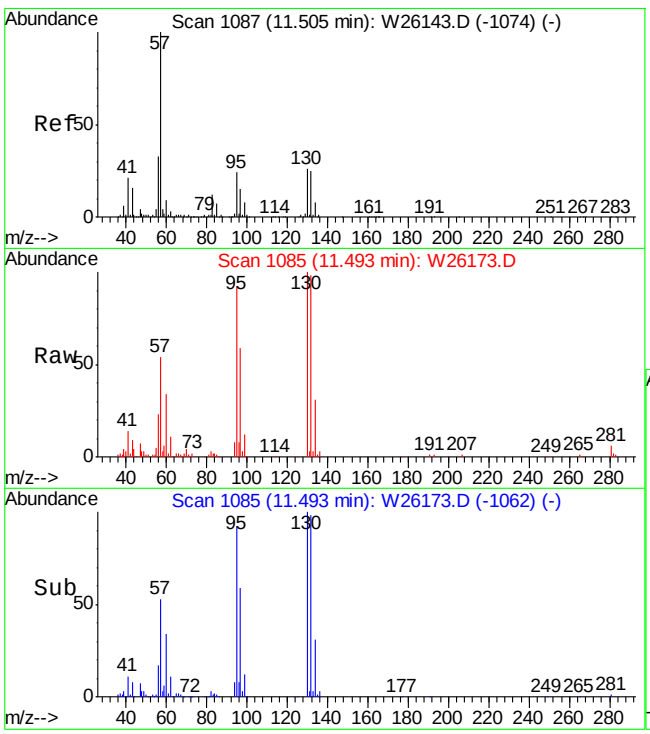


#48
CYCLOHEXANE
Concen: 0.37 PPBV
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 84 Resp: 11618

Ion	Ratio	Lower	Upper
84	100		
56	186.5	96.4	136.4#
69	0.0	19.6	59.6#

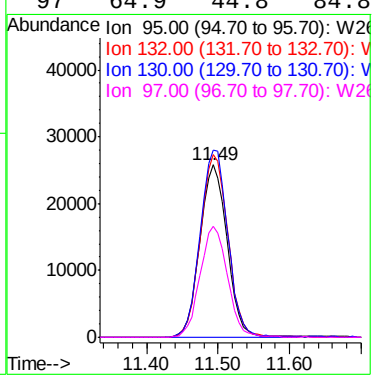


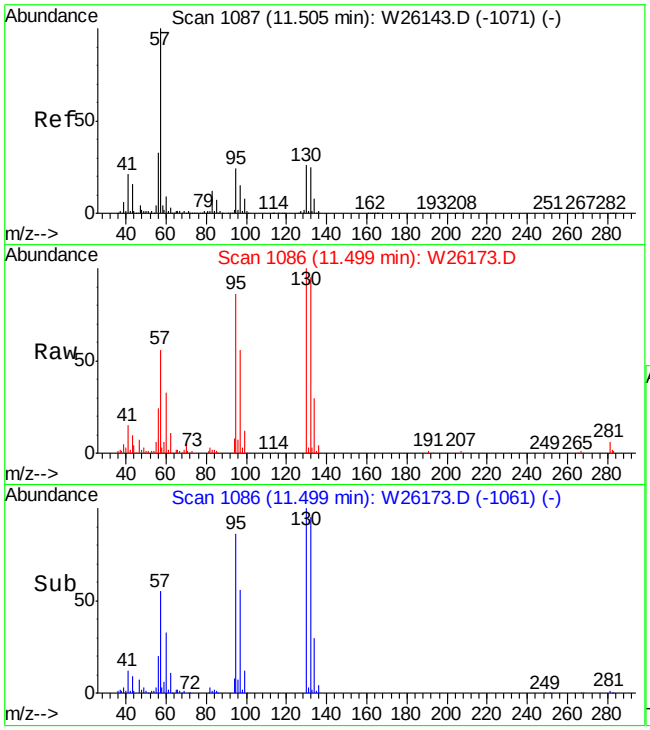


#50
TRICHLOROETHYLENE
Concen: 2.51 PPBV
RT: 11.49 min Scan# 1085
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 95 Resp: 67714

Ion	Ratio	Lower	Upper
95	100		
132	107.5	85.1	125.1
130	110.3	89.6	129.6
97	64.9	44.8	84.8

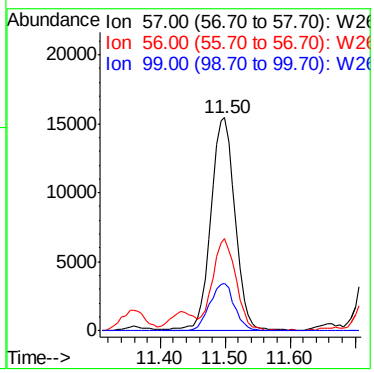


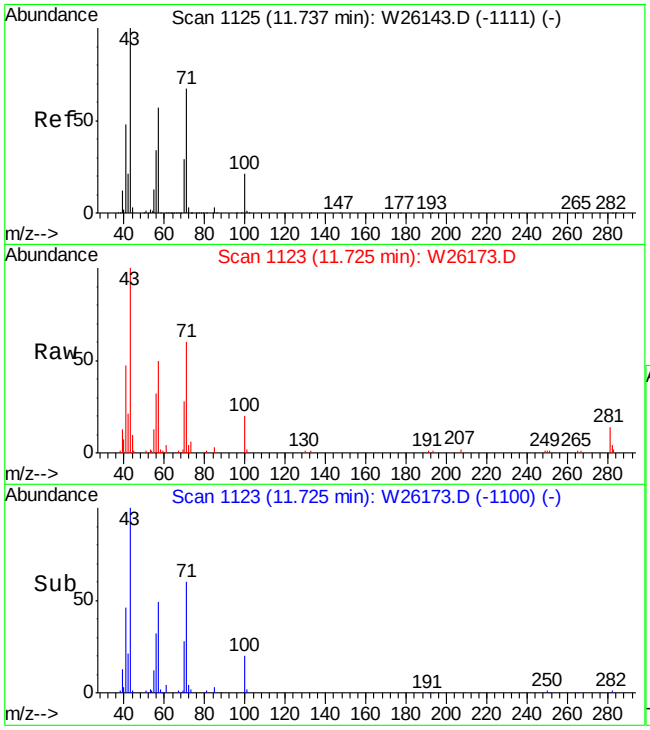


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.38 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 57 Resp: 40427

Ion	Ratio	Lower	Upper
57	100		
56	42.3	13.0	53.0
99	22.5	0.0	28.3

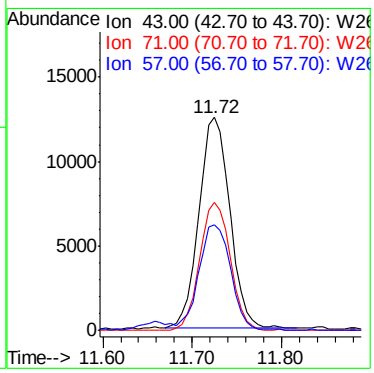


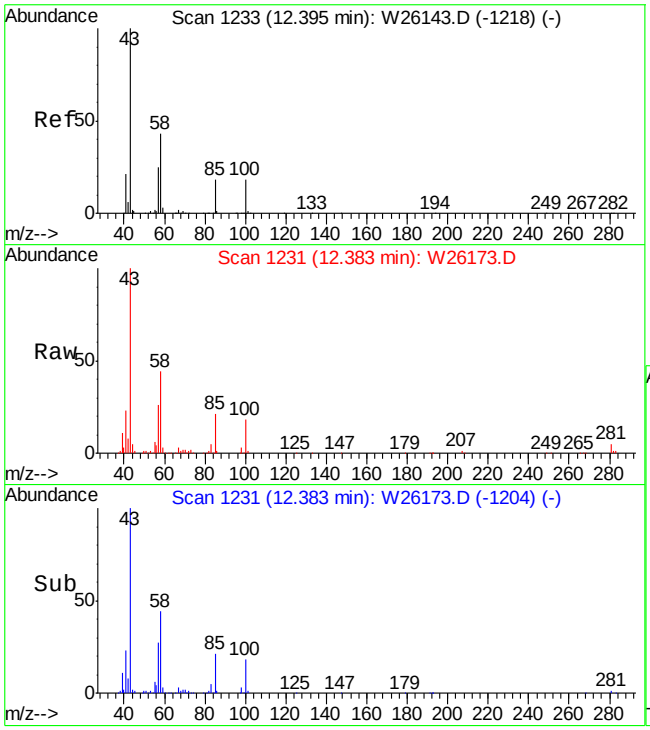


#56
HEPTANE
Concen: 0.78 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 43 Resp: 29986

Ion	Ratio	Lower	Upper
43	100		
71	59.7	45.5	85.5
57	51.6	36.6	76.6

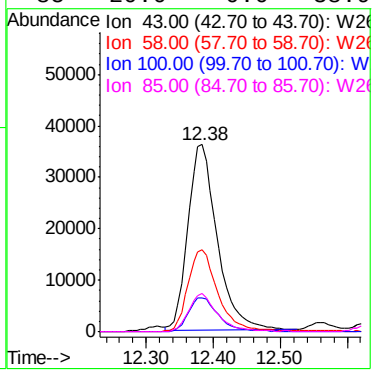


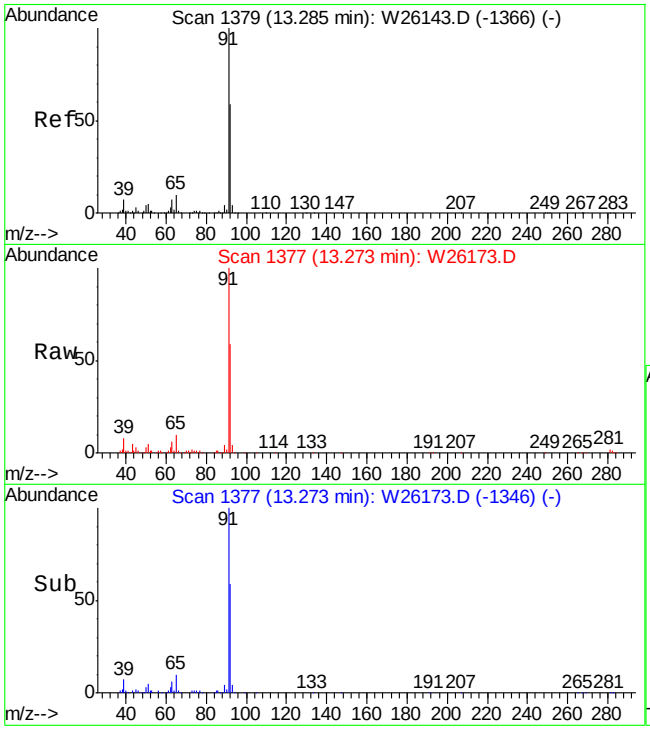


#58
METHYL ISOBUTYL KETONE
Concen: 3.15 PPBV
RT: 12.38 min Scan# 1231
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 43 Resp: 109599

Ion	Ratio	Lower	Upper
43	100		
58	45.0	23.4	63.4
100	18.7	0.0	37.6
85	20.0	0.0	38.9

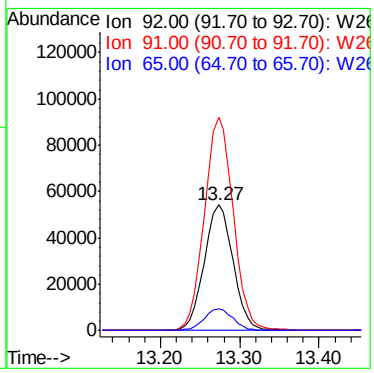


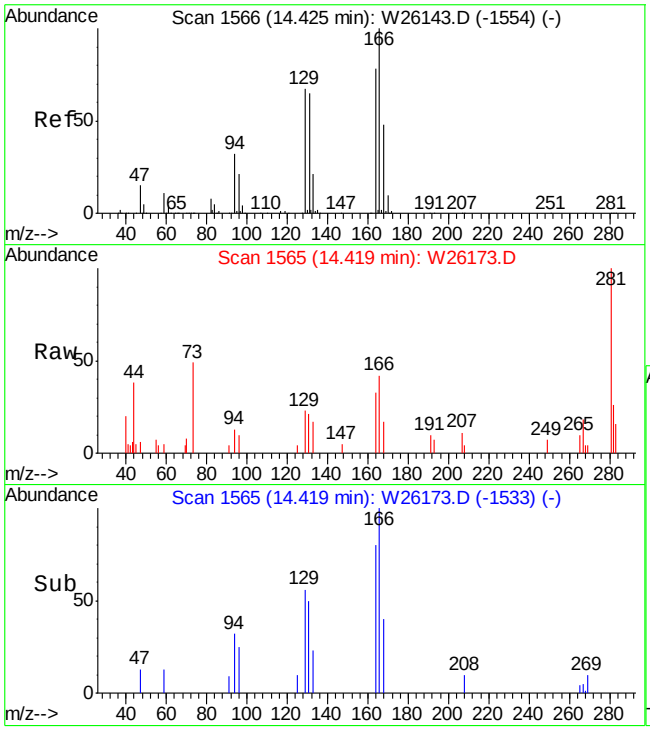


#60
TOLUENE
Concen: 3.09 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 92 Resp: 137346

Ion	Ratio	Lower	Upper
92	100		
91	170.0	148.1	188.1
65	17.4	0.0	37.4

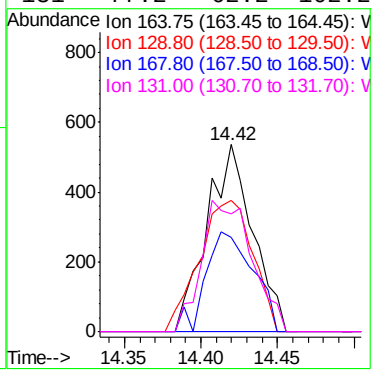


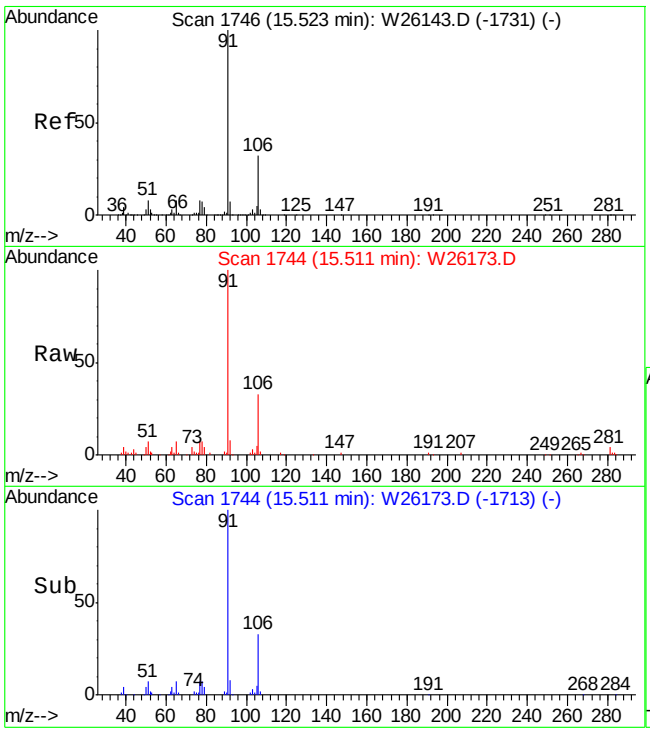


#65
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:164 Resp: 1118

Ion	Ratio	Lower	Upper
164	100		
129	81.8	65.1	105.1
168	55.1	41.4	81.4
131	77.2	62.2	102.2

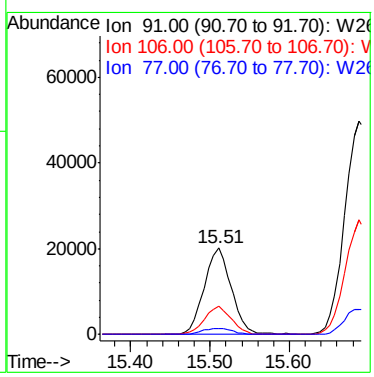


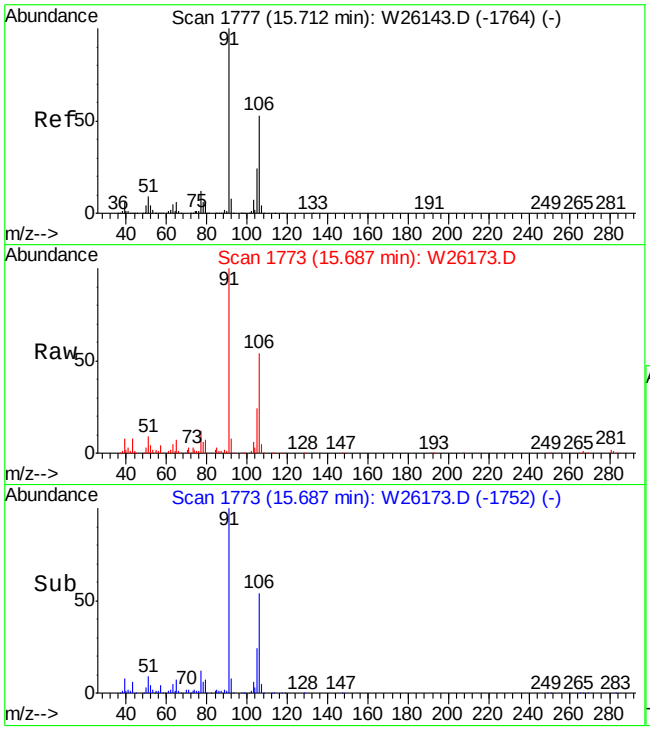


#71
ETHYLBENZENE
Concen: 0.61 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion: 91 Resp: 47980

Ion	Ratio	Lower	Upper
91	100		
106	32.0	12.3	52.3
77	8.0	0.0	27.9

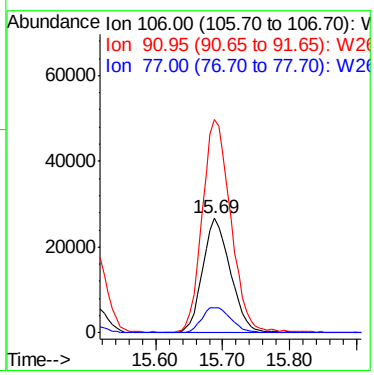


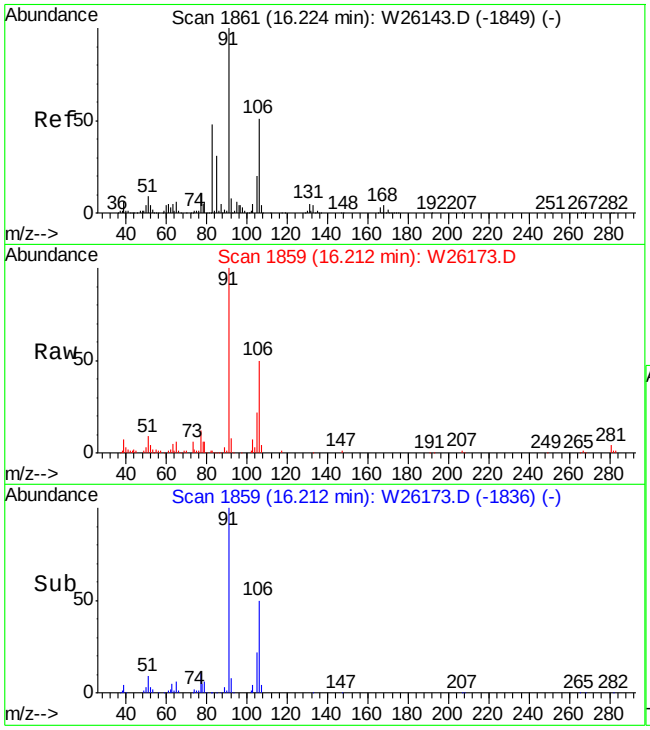


#72
m,p-XYLENE
Concen: 2.50 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:106 Resp: 77085

Ion	Ratio	Lower	Upper
106	100		
91	185.2	151.9	227.9
77	21.5	18.7	28.1

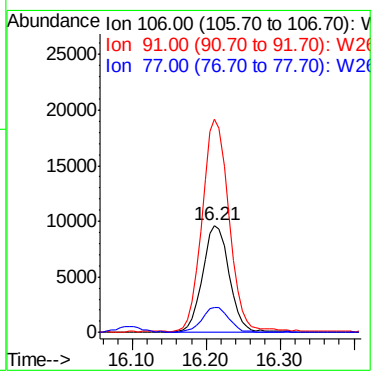


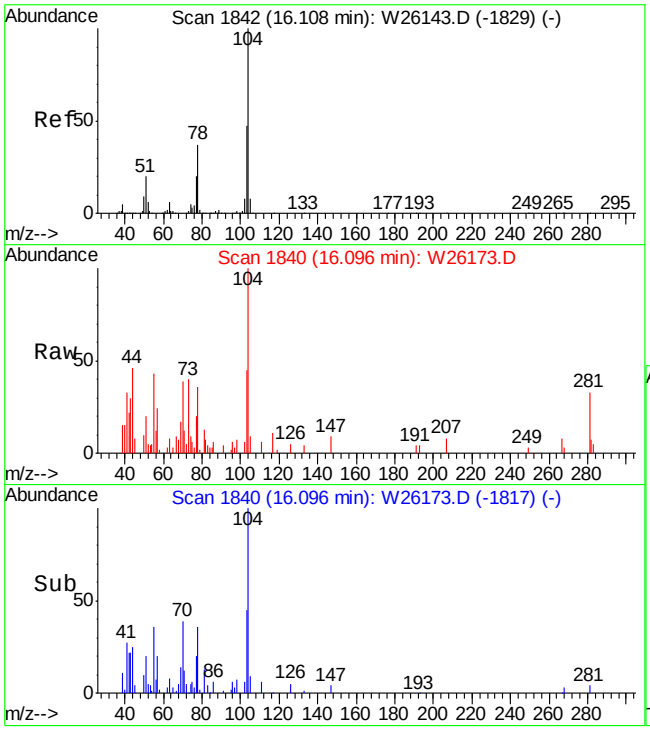


#73
o-XYLENE
Concen: 0.79 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:106 Resp: 23653

Ion	Ratio	Lower	Upper
106	100		
91	198.7	181.1	221.1
77	24.0	3.6	43.6

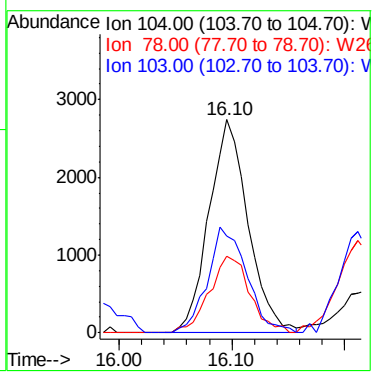


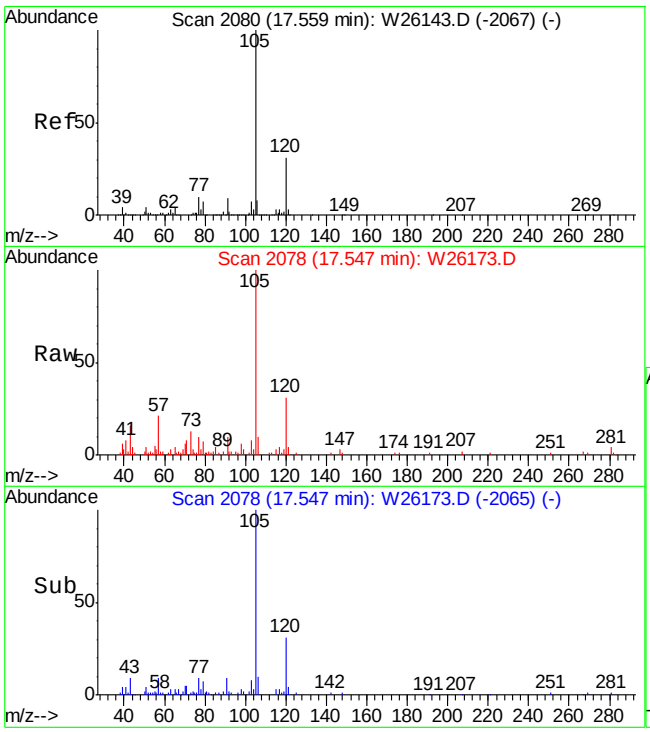


#74
STYRENE
Concen: 0.17 PPBV
RT: 16.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:104 Resp: 6606

Ion	Ratio	Lower	Upper
104	100		
78	37.1	17.3	57.3
103	49.6	27.4	67.4

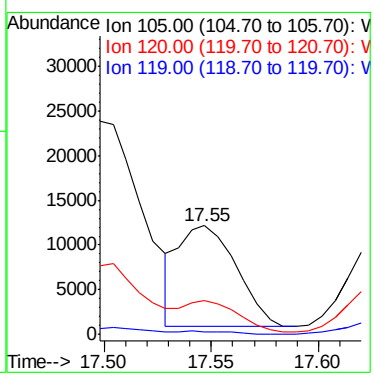


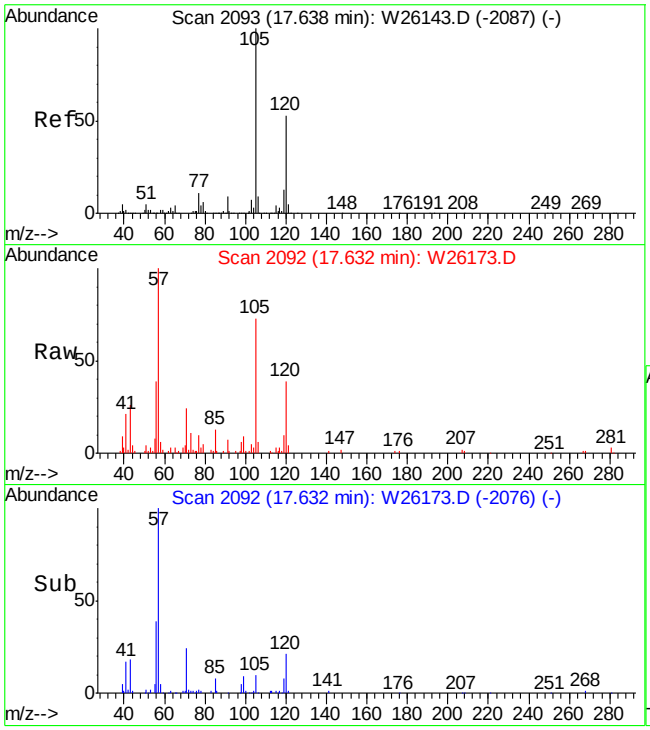


#83
4-ETHYLTOLUENE
Concen: 0.33 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:105 Resp: 20899

Ion	Ratio	Lower	Upper
105	100		
120	25.9	10.4	50.4
119	2.8	0.0	22.4

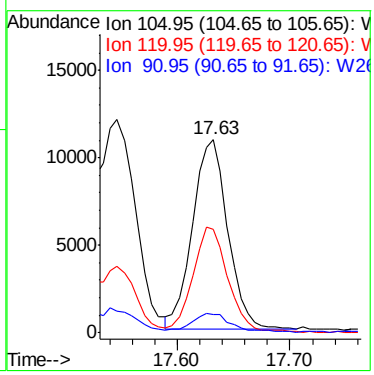


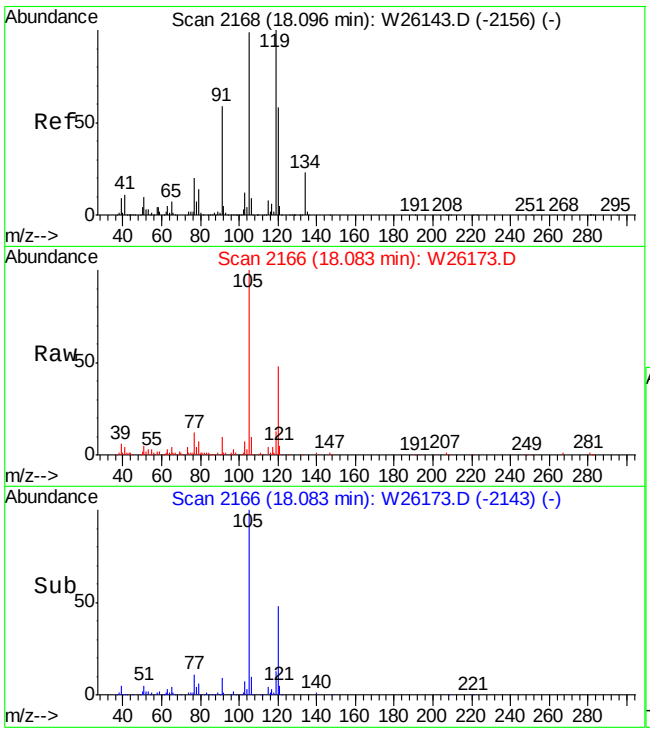


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.42 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:105 Resp: 23690

Ion	Ratio	Lower	Upper
105	100		
120	55.9	32.8	72.8
91	12.1	0.0	29.3

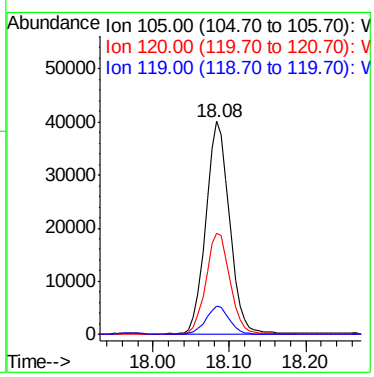




#86
1,2,4-TRIMETHYLBENZENE
Concen: 1.68 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26173.D
Acq: 6 May 2010 1:22 am

Tgt Ion:105 Resp: 85633

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.9	78.9
119	13.7	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26174.D Vial: 15
Acq On : 6 May 2010 2:03 am Operator: YOUMINH
Sample : JA45152-5 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:39 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

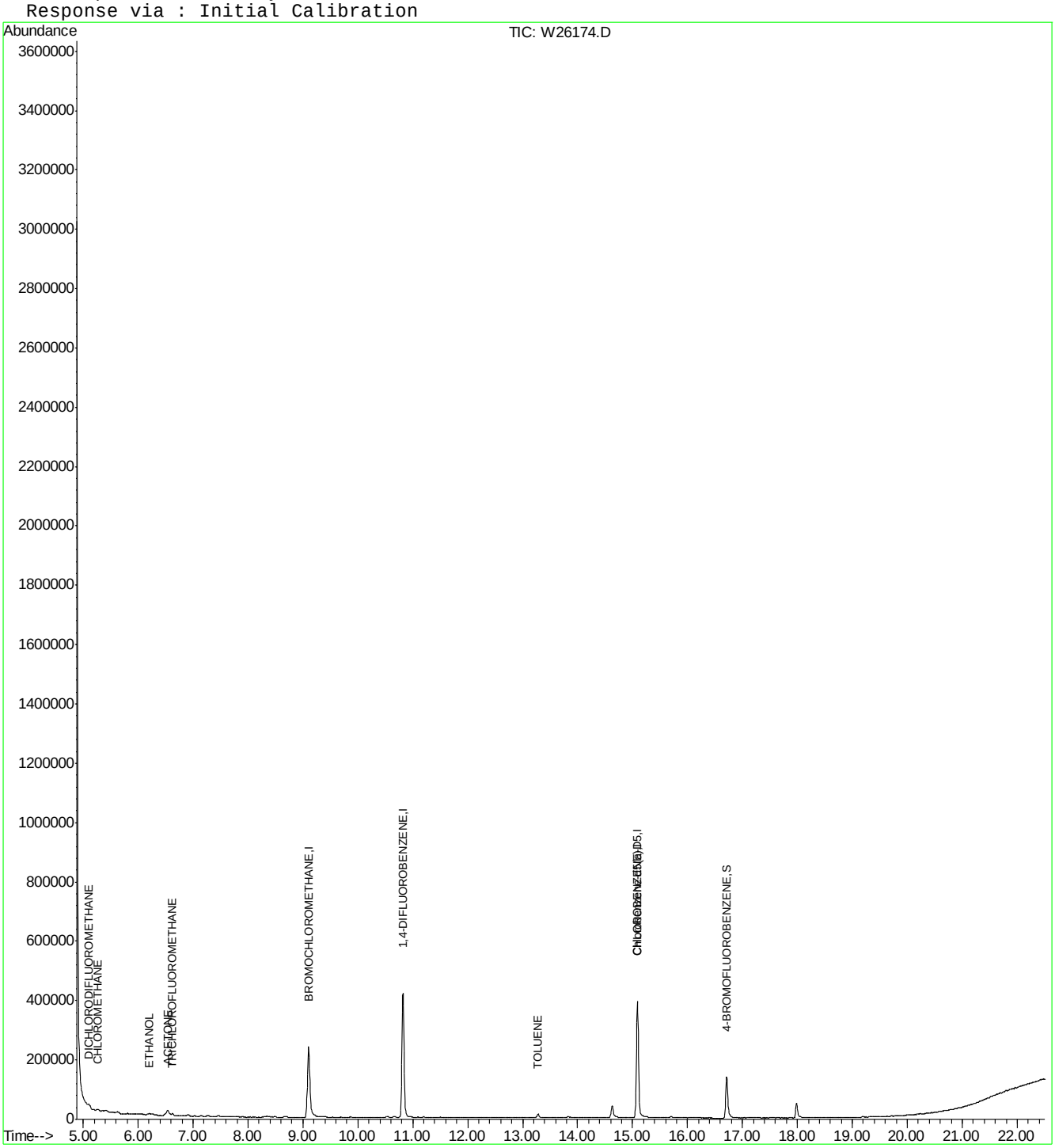
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	120239	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	559175	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	203736	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	203736	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	80840	4.10	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 82.00%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	19235	0.46	PPBV		99
8) CHLOROMETHANE	5.27	52	2852	0.56	PPBV	#	62
17) TRICHLOROFLUOROMETHANE	6.62	101	9814	0.24	PPBV		97
19) ACETONE	6.54	58	15784	2.07	PPBV		95
25) ETHANOL	6.21	45	10622	1.58	PPBV	#	69
60) TOLUENE	13.28	92	7792	0.20	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

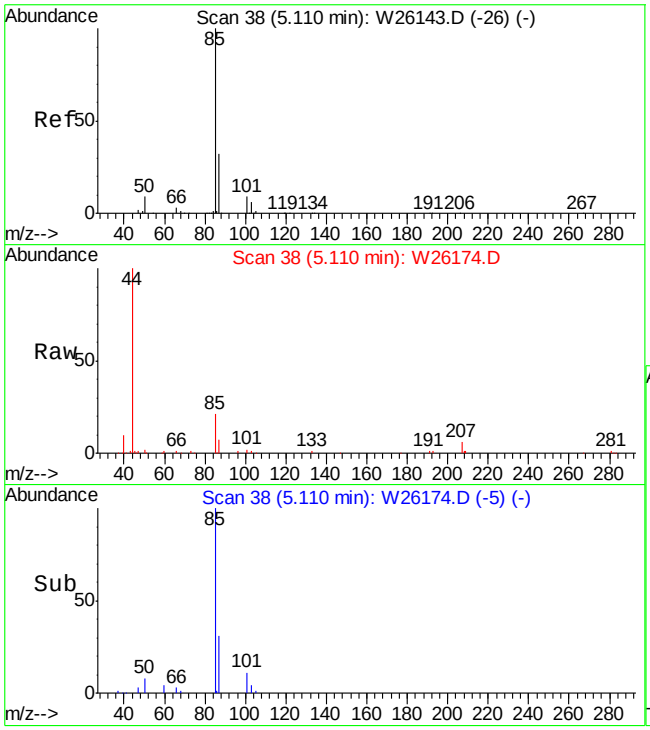
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26174.D Vial: 15
Acq On : 6 May 2010 2:03 am Operator: YOUMINH
Sample : JA45152-5 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:20 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



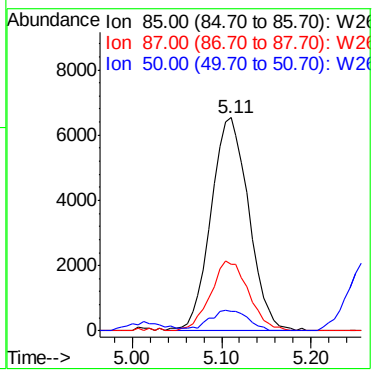
W26174.D MW1082.M Thu May 06 10:29:19 2010 MSW Page 2

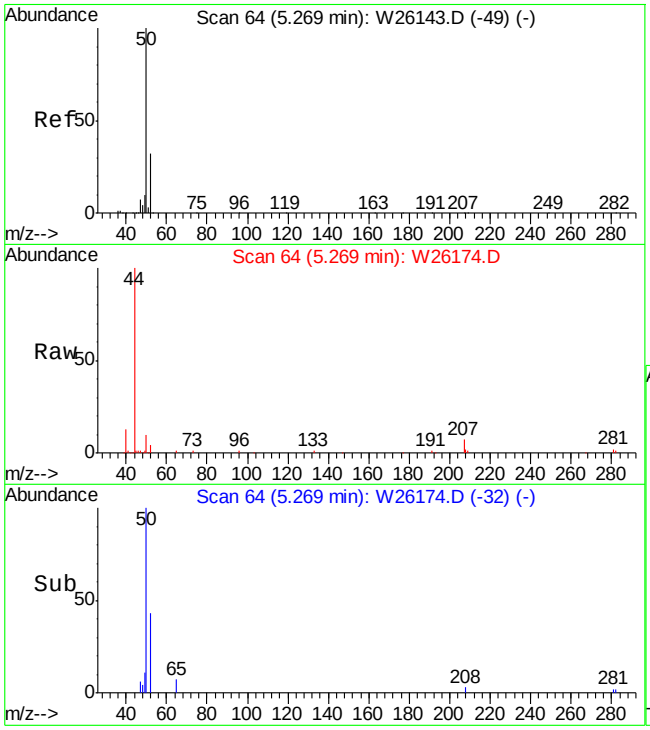


#5
DICHLORODIFLUOROMETHANE
Concen: 0.46 PPBV
RT: 5.11 min Scan# 38
Delta R.T. -0.00 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion: 85 Resp: 19235

Ion	Ratio	Lower	Upper
85	100		
87	33.0	12.3	52.3
50	9.7	0.0	29.8

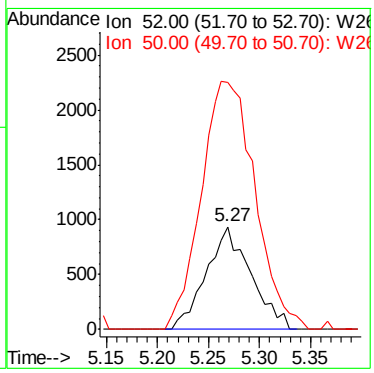


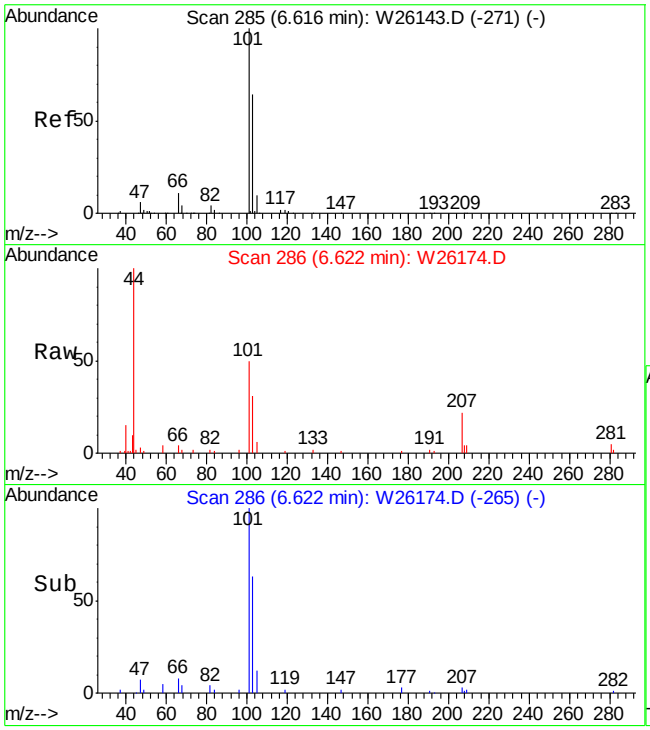


#8
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.27 min Scan# 64
Delta R.T. -0.00 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion: 52 Resp: 2852

Ion	Ratio	Lower	Upper
52	100		
50	233.9	289.7	329.7#

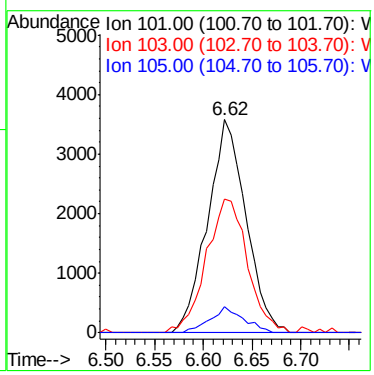


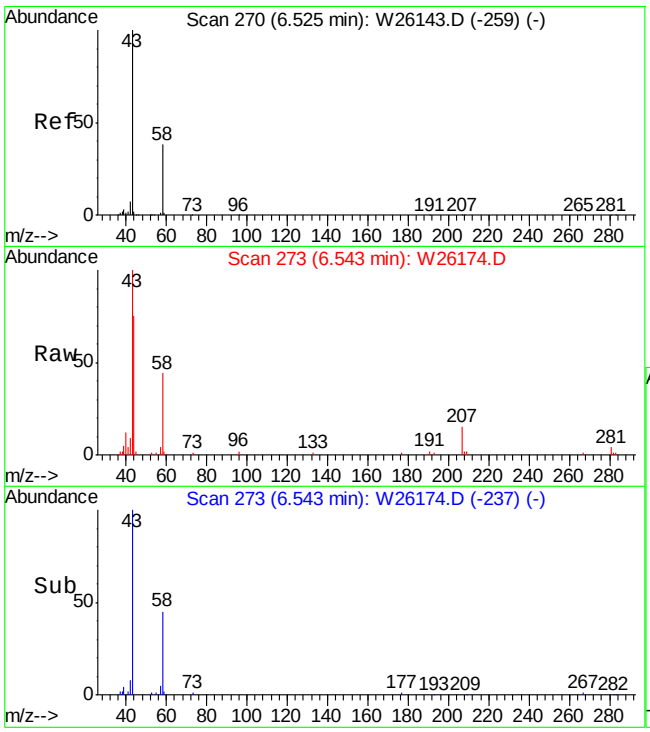


#17
TRICHLOROFLUOROMETHANE
Concen: 0.24 PPBV
RT: 6.62 min Scan# 286
Delta R.T. 0.01 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion:101 Resp: 9814

Ion	Ratio	Lower	Upper
101	100		
103	67.1	44.6	84.6
105	10.7	0.0	30.3

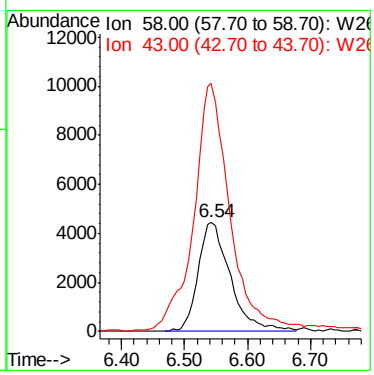


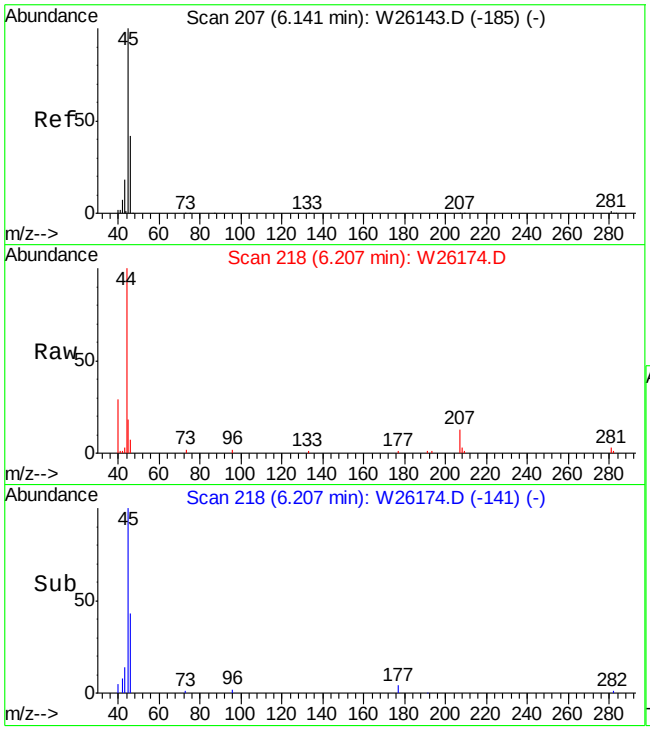


#19
ACETONE
Concen: 2.07 PPBV
RT: 6.54 min Scan# 273
Delta R.T. 0.02 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion: 58 Resp: 15784

Ion	Ratio	Lower	Upper
58	100		
43	257.4	245.6	285.6

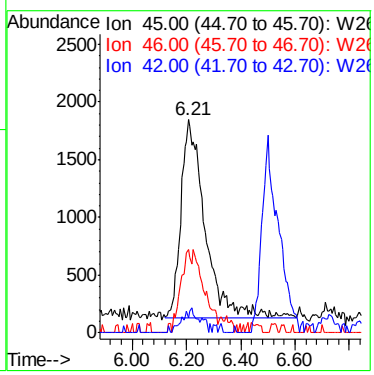


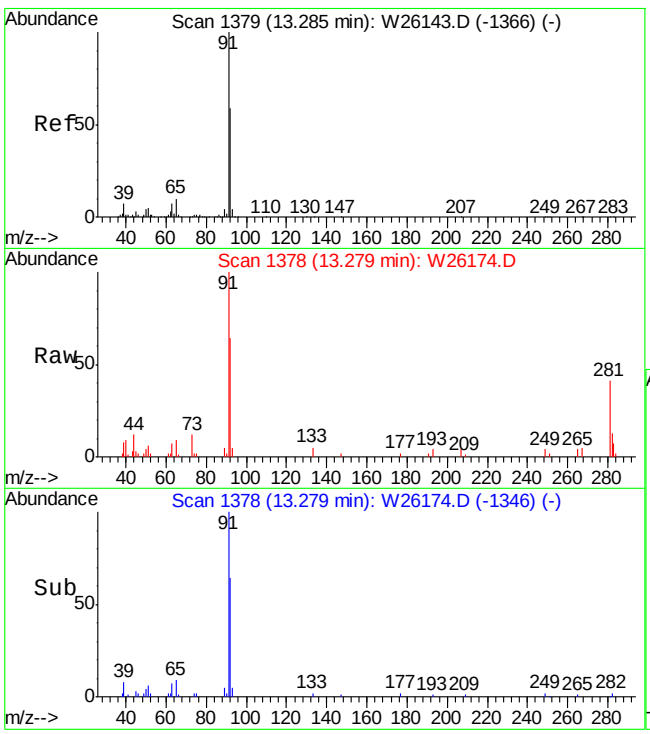


#25
ETHANOL
Concen: 1.58 PPBV
RT: 6.21 min Scan# 218
Delta R.T. 0.07 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion: 45 Resp: 10622

Ion	Ratio	Lower	Upper
45	100		
46	19.7	20.1	60.1#
42	0.0	0.0	27.0

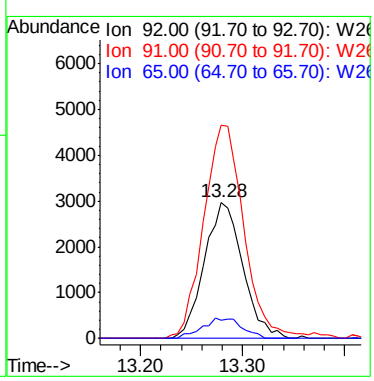




#60
TOLUENE
Concen: 0.20 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26174.D
Acq: 6 May 2010 2:03 am

Tgt Ion: 92 Resp: 7792

Ion	Ratio	Lower	Upper
92	100		
91	165.7	148.1	188.1
65	15.5	0.0	37.4



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26175.D Vial: 16
Acq On : 6 May 2010 3:25 am Operator: YOUMINH
Sample : JA45152-6 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:42 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

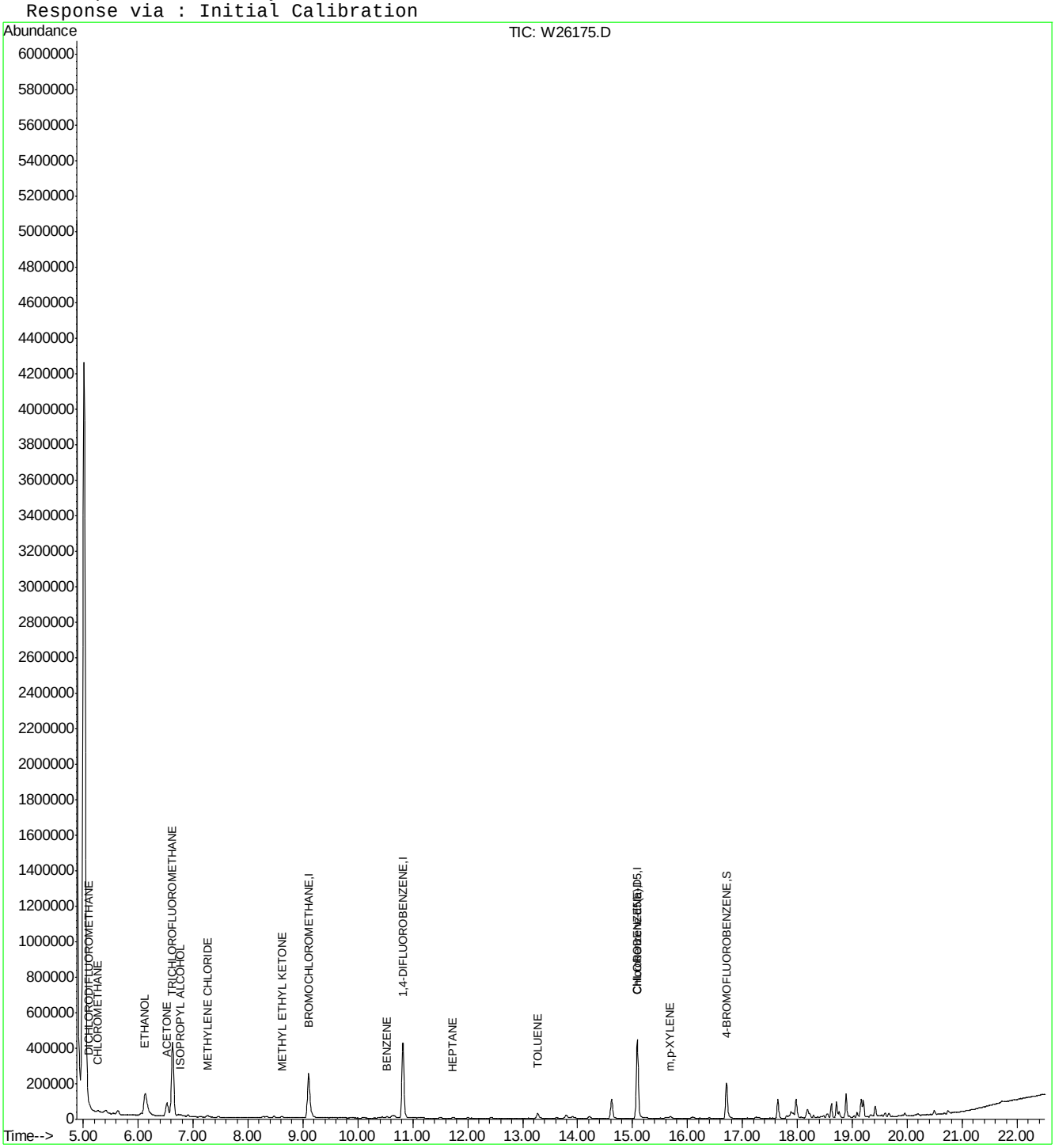
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	123568	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	554165	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.08	82	224424	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	224260	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	112011	5.16	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.20%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.10	85	33734	0.79	PPBV	#	93
8) CHLOROMETHANE	5.27	52	2923	0.56	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.63	101	576222	13.51	PPBV		99
18) ISOPROPYL ALCOHOL	6.77	45	38269	1.34	PPBV		96
19) ACETONE	6.52	58	60709	7.74	PPBV		91
25) ETHANOL	6.13	45	355113	51.46	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	5621	0.34	PPBV		98
37) METHYL ETHYL KETONE	8.62	72	4696	0.60	PPBV	#	88
47) BENZENE	10.53	78	10120	0.18	PPBV		98
56) HEPTANE	11.73	43	4501	0.13	PPBV	#	60
60) TOLUENE	13.28	92	18331	0.46	PPBV		99
72) m,p-XYLENE	15.69	106	3134	0.11	PPBV	#	87

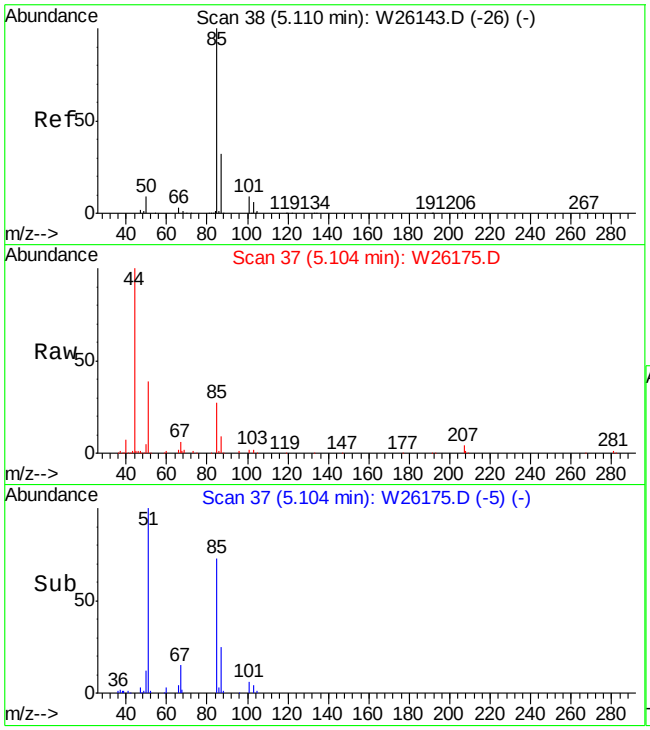
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26175.D Vial: 16
Acq On : 6 May 2010 3:25 am Operator: YOUMINH
Sample : JA45152-6 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:21 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

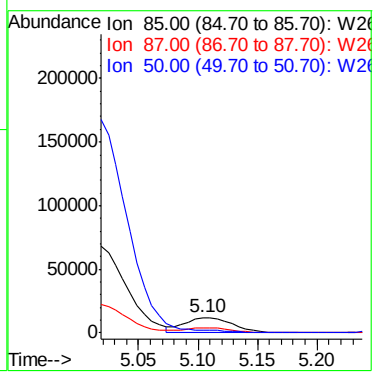


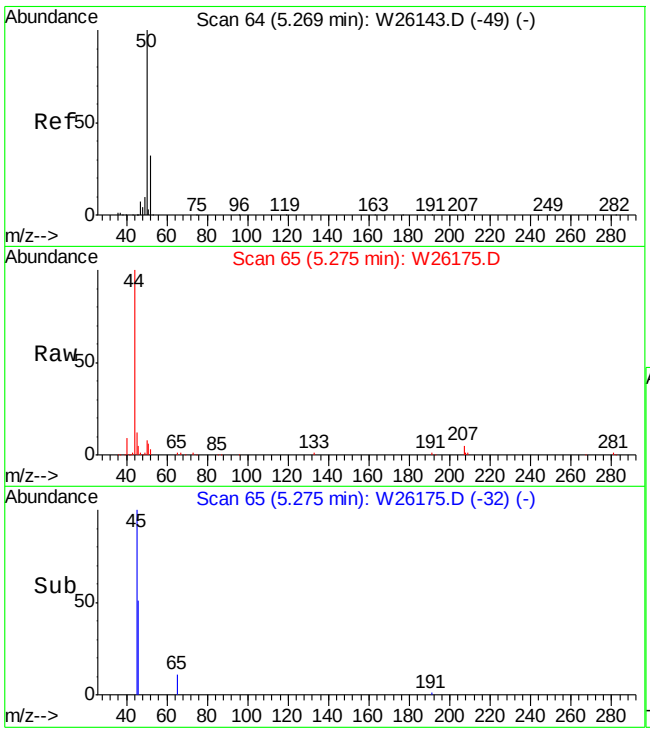


#5
DICHLORODIFLUOROMETHANE
Concen: 0.79 PPBV
RT: 5.10 min Scan# 37
Delta R.T. -0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 85 Resp: 33734

Ion	Ratio	Lower	Upper
85	100		
87	33.1	12.3	52.3
50	0.0	0.0	29.8

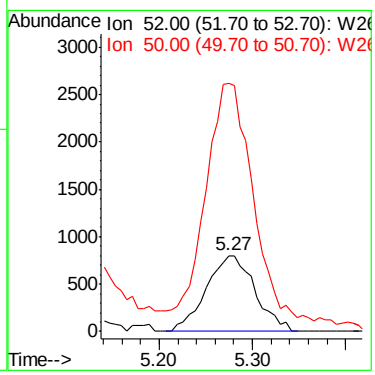


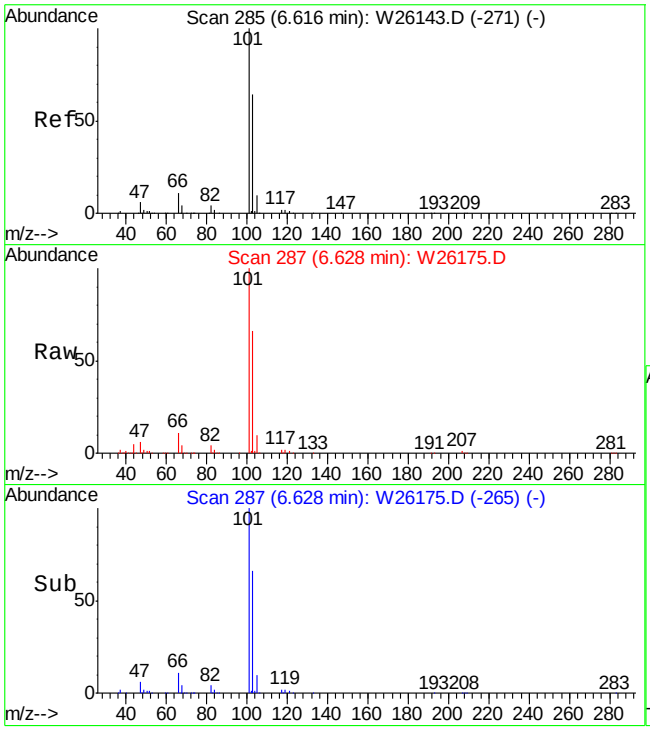


#8
CHLOROMETHANE
Concen: 0.56 PPBV
RT: 5.27 min Scan# 65
Delta R.T. 0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 52 Resp: 2923

Ion	Ratio	Lower	Upper
52	100		
50	302.9	289.7	329.7

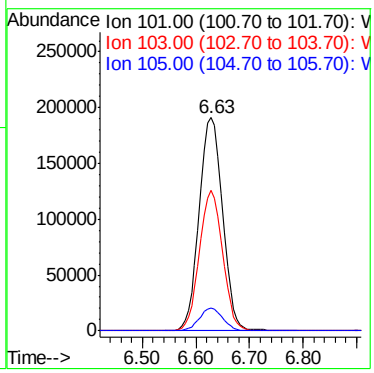


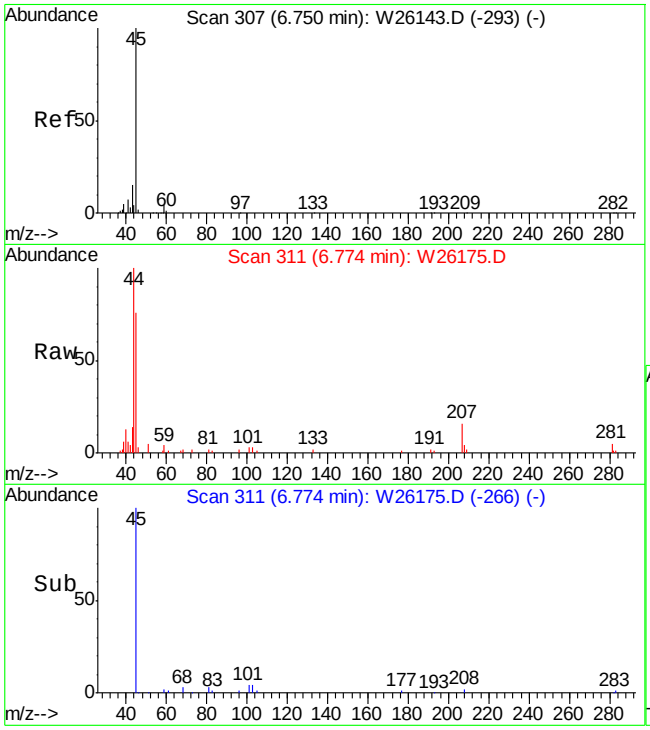


#17
TRICHLOROFLUOROMETHANE
Concen: 13.51 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion:101 Resp: 576222

Ion	Ratio	Lower	Upper
101	100		
103	65.1	44.6	84.6
105	10.5	0.0	30.3

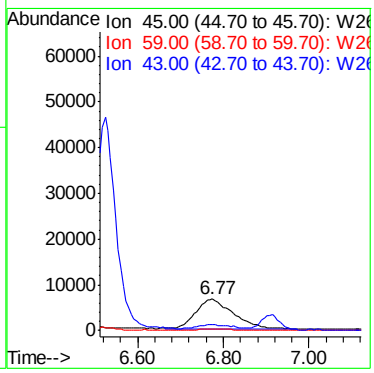


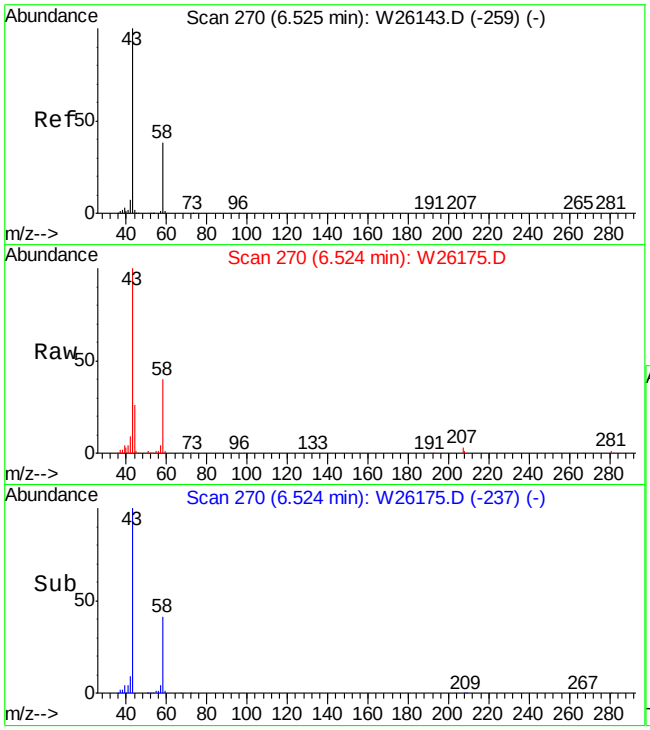


#18
ISOPROPYL ALCOHOL
Concen: 1.34 PPBV
RT: 6.77 min Scan# 311
Delta R.T. 0.02 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 45 Resp: 38269

Ion	Ratio	Lower	Upper
45	100		
59	5.4	0.0	24.5
43	17.9	0.0	35.9

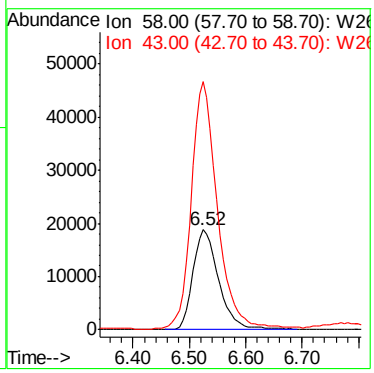


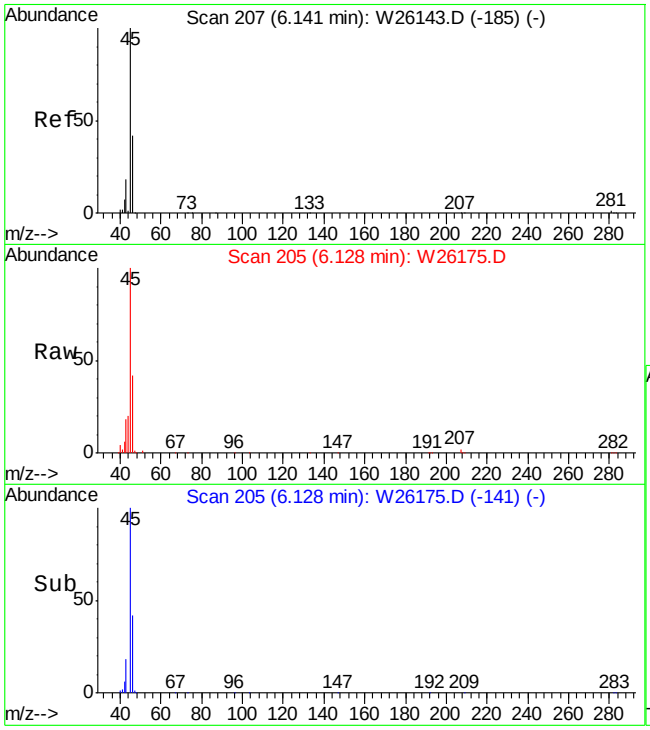


#19
ACETONE
Concen: 7.74 PPBV
RT: 6.52 min Scan# 270
Delta R.T. -0.00 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 58 Resp: 60709

Ion	Ratio	Lower	Upper
58	100		
43	248.9	245.6	285.6

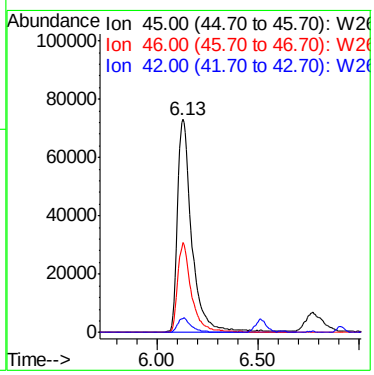


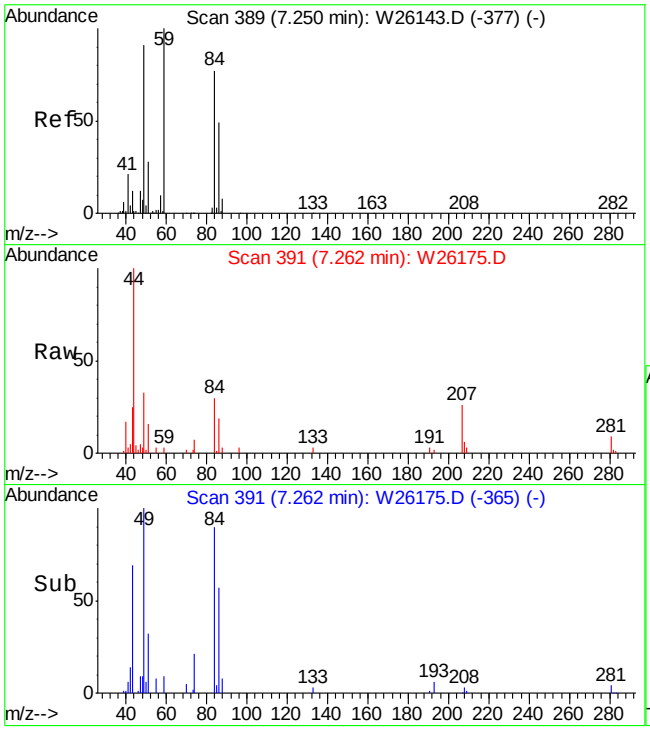


#25
ETHANOL
Concen: 51.46 PPBV
RT: 6.13 min Scan# 205
Delta R.T. -0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 45 Resp: 355113

Ion	Ratio	Lower	Upper
45	100		
46	40.8	20.1	60.1
42	6.7	0.0	27.0

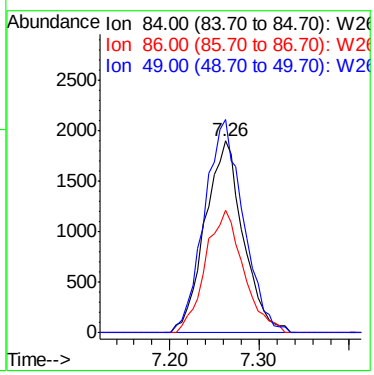


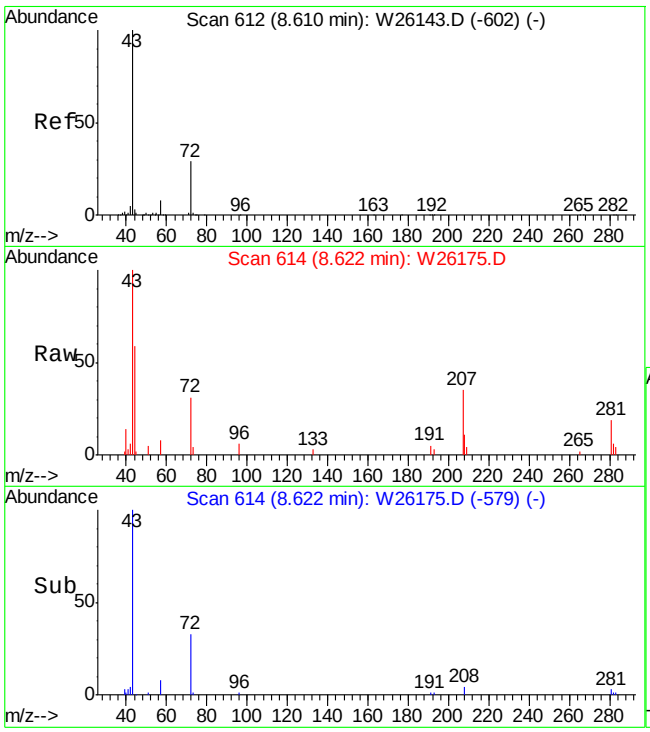


#27
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 7.26 min Scan# 391
Delta R.T. 0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 84 Resp: 5621

Ion	Ratio	Lower	Upper
84	100		
86	63.7	44.2	84.2
49	113.5	0.0	316.5

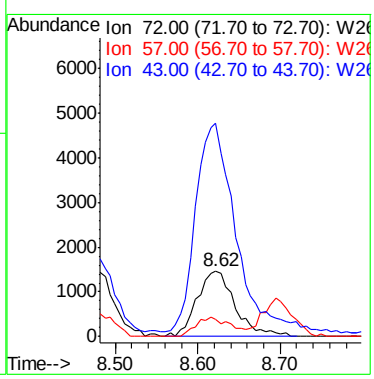


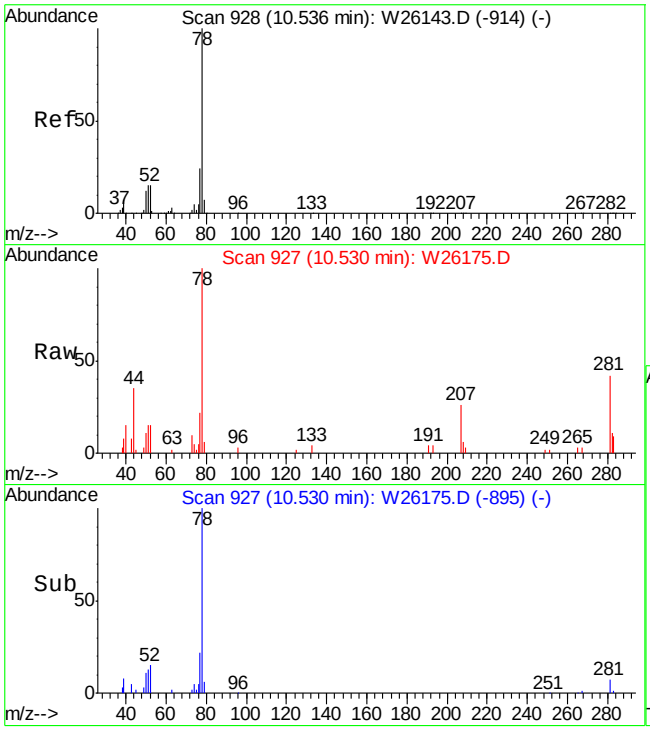


#37
METHYL ETHYL KETONE
Concen: 0.60 PPBV
RT: 8.62 min Scan# 614
Delta R.T. 0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 72 Resp: 4696

Ion	Ratio	Lower	Upper
72	100		
57	25.5	8.0	48.0
43	323.7	331.8	371.8#

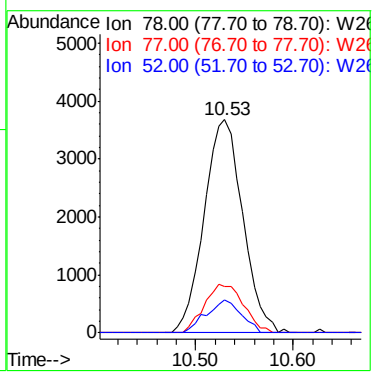


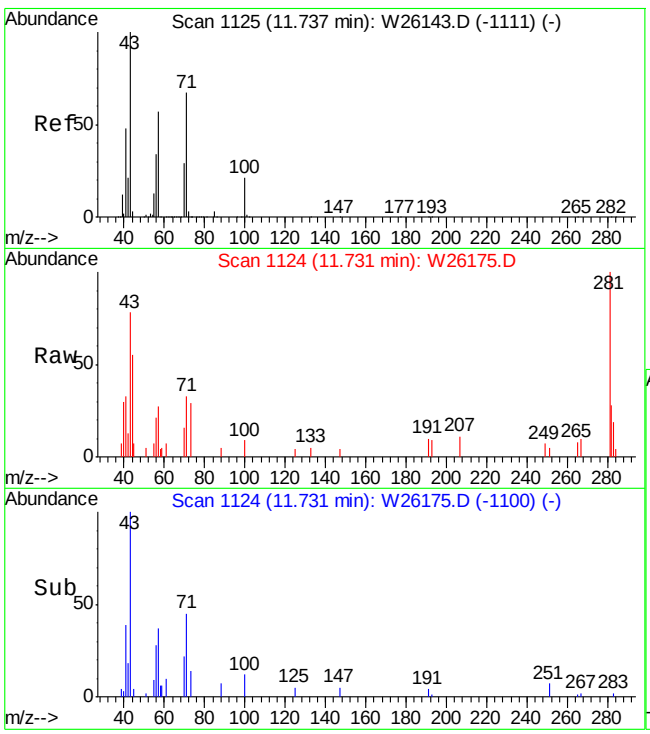


#47
BENZENE
Concen: 0.18 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 78 Resp: 10120

Ion	Ratio	Lower	Upper
78	100		
77	22.9	3.5	43.5
52	13.8	0.0	34.8

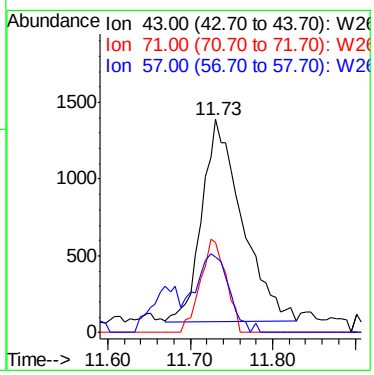


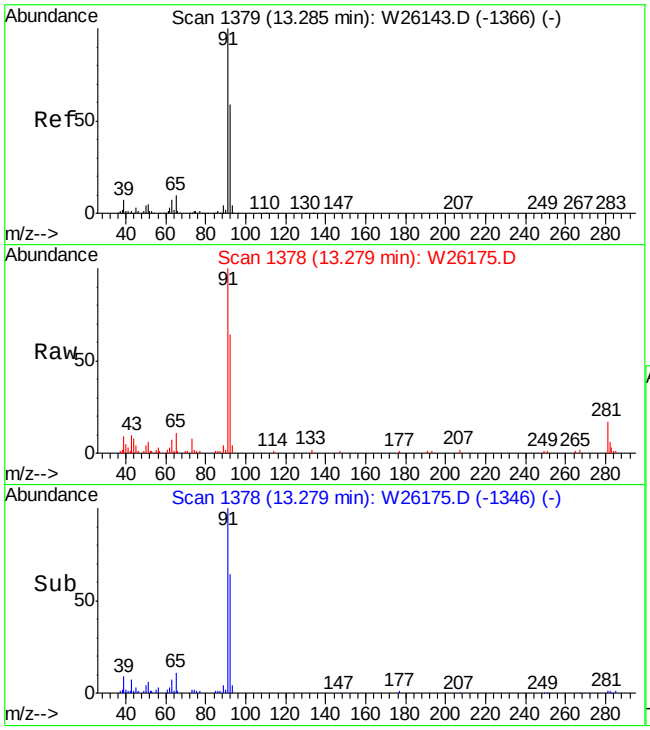


#56
HEPTANE
Concen: 0.13 PPBV
RT: 11.73 min Scan# 1124
Delta R.T. -0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 43 Resp: 4501

Ion	Ratio	Lower	Upper
43	100		
71	29.1	45.5	85.5#
57	32.6	36.6	76.6#

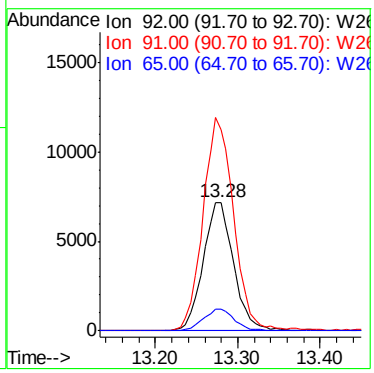


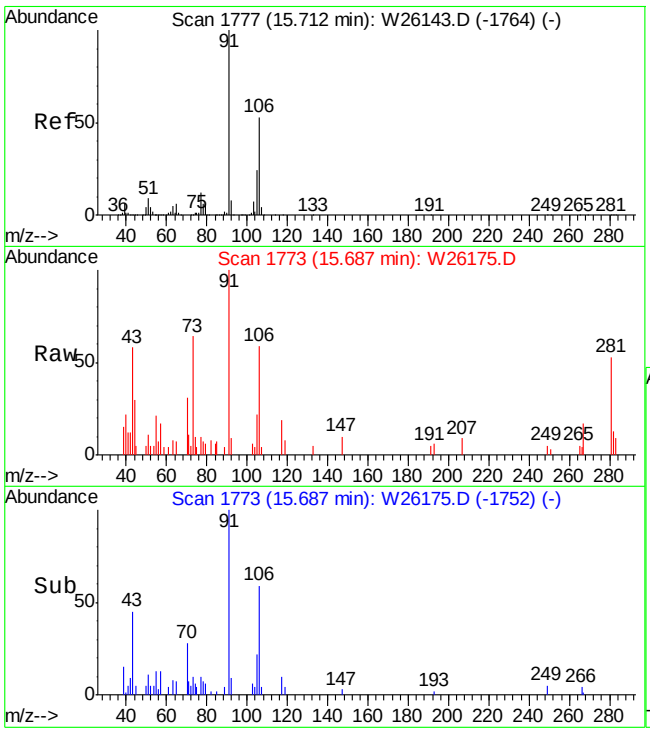


#60
TOLUENE
Concen: 0.46 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion: 92 Resp: 18331

Ion	Ratio	Lower	Upper
92	100		
91	167.3	148.1	188.1
65	17.3	0.0	37.4

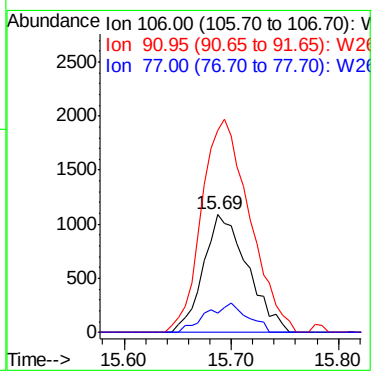




#72
m,p-XYLENE
Concen: 0.11 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26175.D
Acq: 6 May 2010 3:25 am

Tgt Ion:106 Resp: 3134

Ion	Ratio	Lower	Upper
106	100		
91	170.6	151.9	227.9
77	16.3	18.7	28.1#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/11/10 03:28

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26176.D Vial: 1
Acq On : 6 May 2010 4:06 am Operator: YOUMINH
Sample : JA45152-7 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

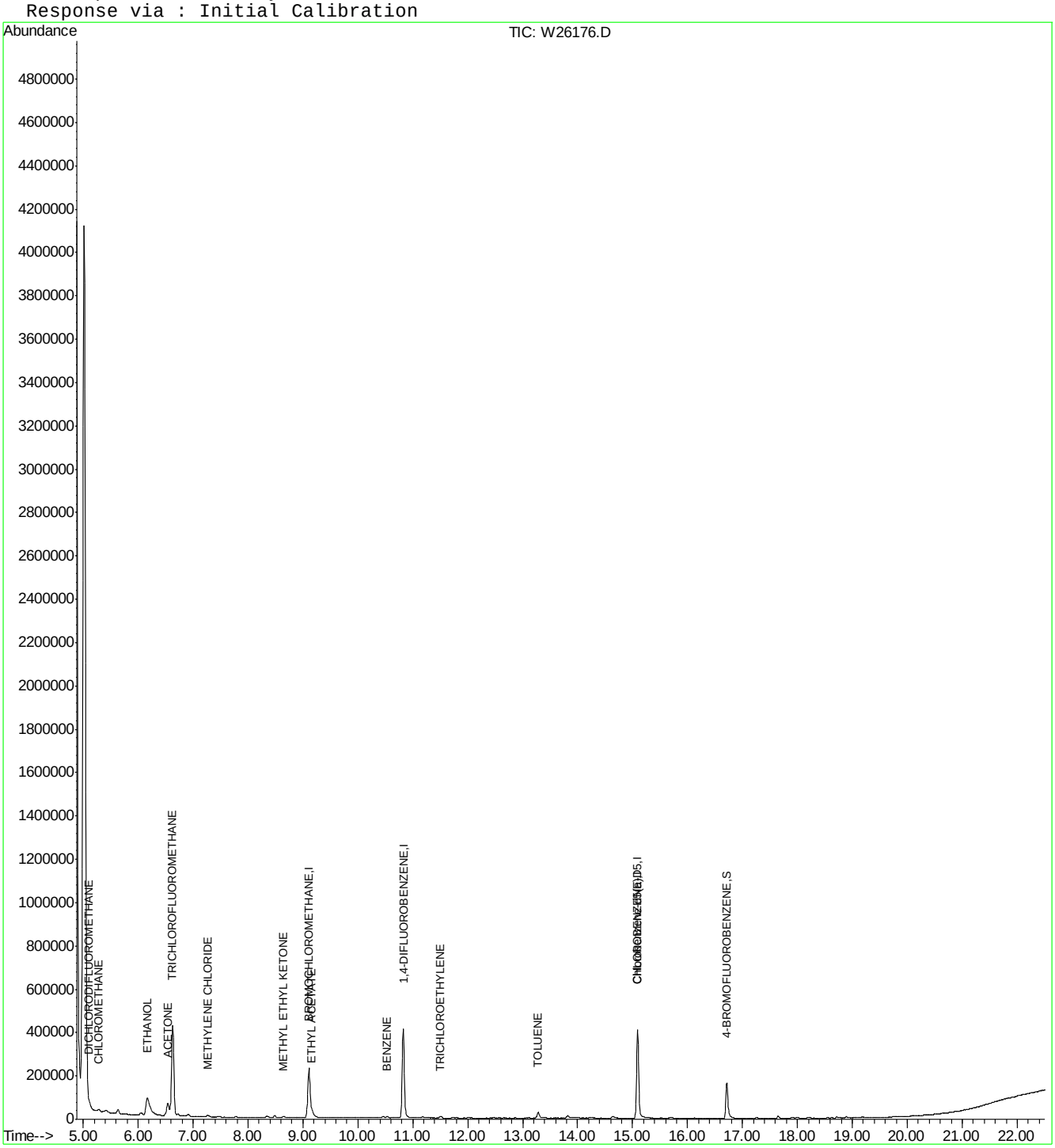
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	116748	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	539315	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	211983	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	211983	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	96138	4.69	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 93.80%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	33961	0.84	PPBV	#	91
8) CHLOROMETHANE	5.27	52	2652	0.54	PPBV	#	86
17) TRICHLOROFLUOROMETHANE	6.63	101	567248	14.08	PPBV		99
19) ACETONE	6.54	58	48210	6.50	PPBV	#	86
25) ETHANOL	6.17	45	277458	42.55	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	5245	0.34	PPBV		98
37) METHYL ETHYL KETONE	8.64	72	3358m	0.45	PPBV		
40) ETHYL ACETATE	9.16	61	7291	1.45	PPBV	#	91
47) BENZENE	10.54	78	8731	0.16	PPBV		98
50) TRICHLOROETHYLENE	11.50	95	2844	0.12	PPBV		98
60) TOLUENE	13.29	92	18639	0.48	PPBV		99

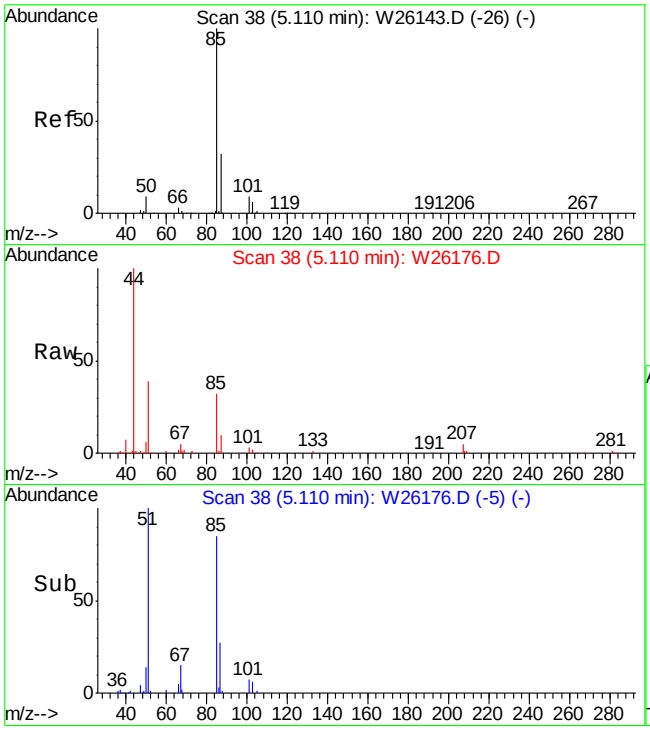
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26176.D Vial: 1
Acq On : 6 May 2010 4:06 am Operator: YOUMINH
Sample : JA45152-7 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:23 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

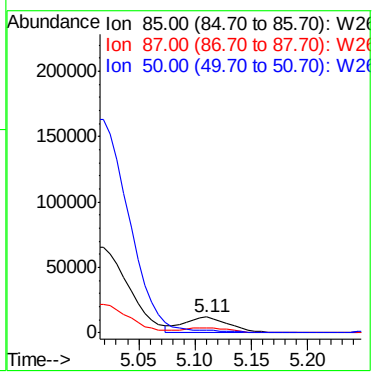


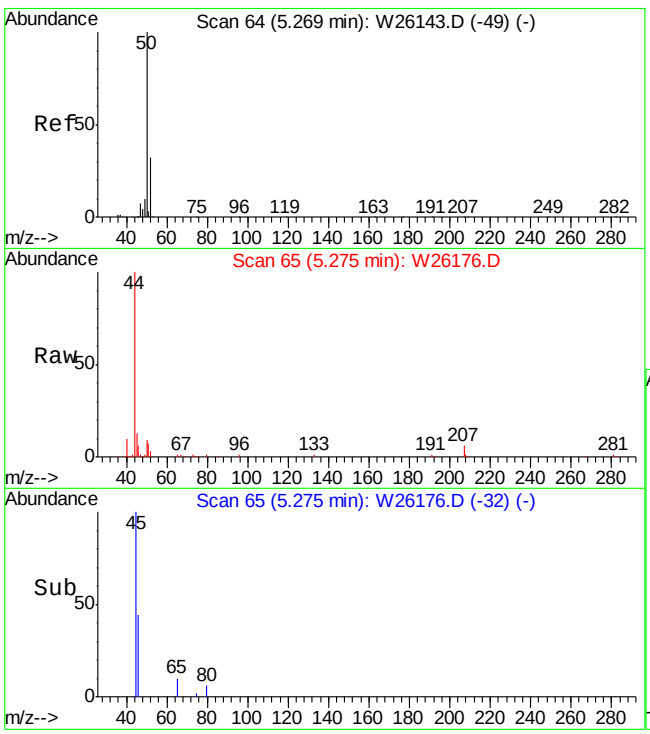


#5
DICHLORODIFLUOROMETHANE
Concen: 0.84 PPBV
RT: 5.11 min Scan# 38
Delta R.T. -0.00 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 85 Resp: 33961

Ion	Ratio	Lower	Upper
85	100		
87	30.3	12.3	52.3
50	0.0	0.0	29.8

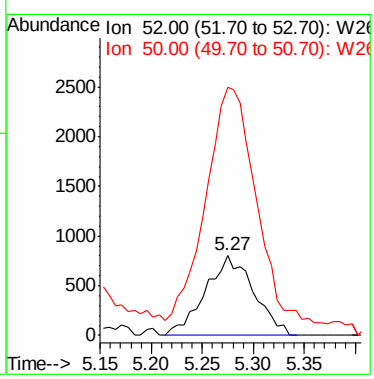


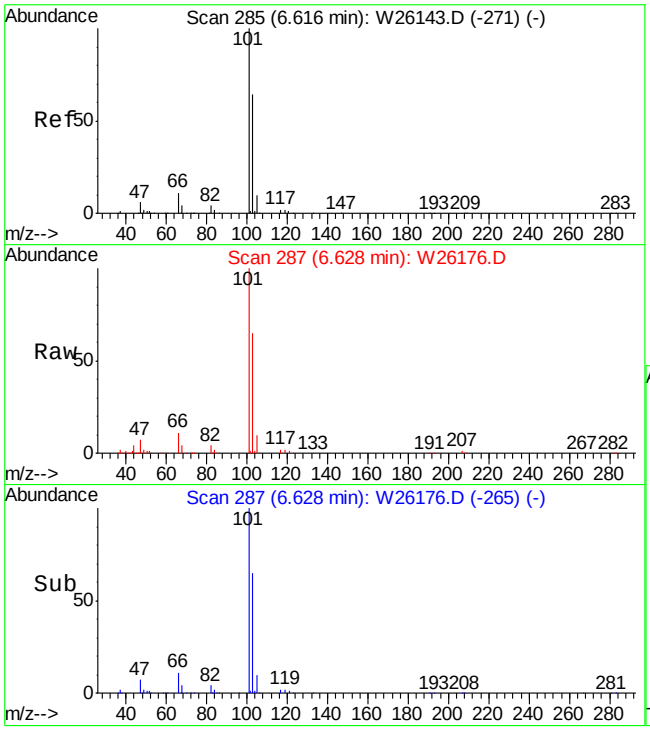


#8
CHLOROMETHANE
Concen: 0.54 PPBV
RT: 5.27 min Scan# 65
Delta R.T. 0.01 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 52 Resp: 2652

Ion	Ratio	Lower	Upper
52	100		
50	282.5	289.7	329.7#

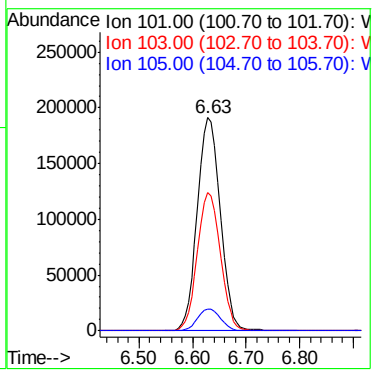


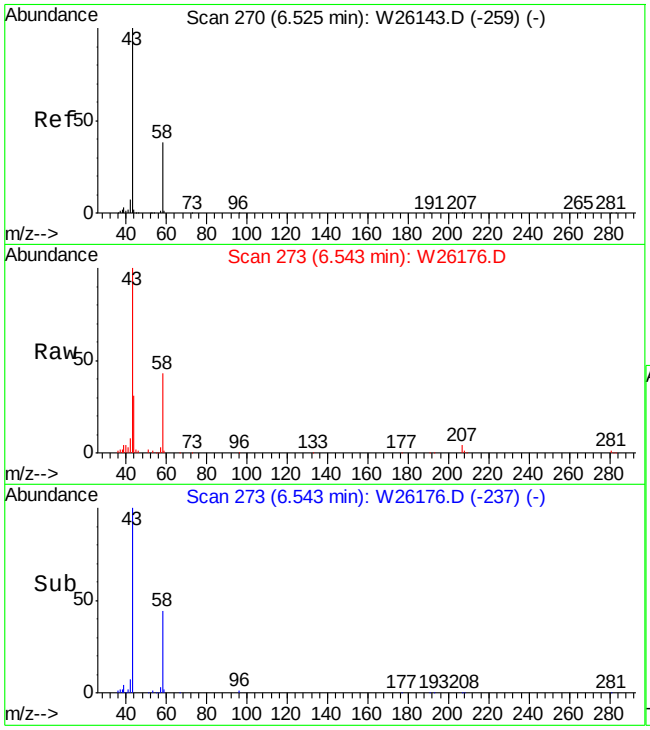


#17
TRICHLOROFLUOROMETHANE
Concen: 14.08 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion:101 Resp: 567248

Ion	Ratio	Lower	Upper
101	100		
103	65.1	44.6	84.6
105	10.4	0.0	30.3

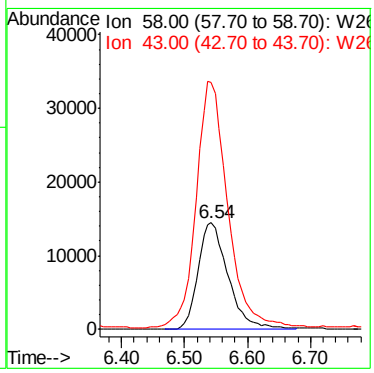


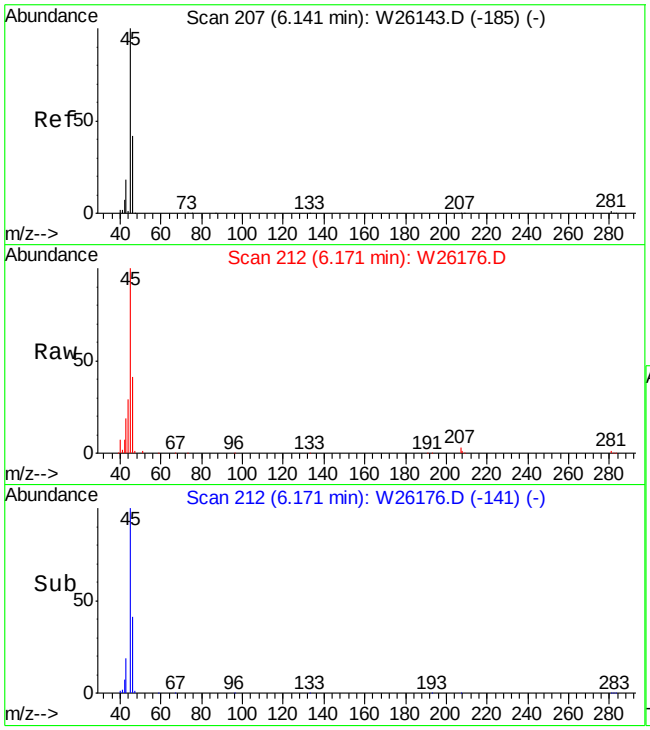


#19
ACETONE
Concen: 6.50 PPBV
RT: 6.54 min Scan# 273
Delta R.T. 0.02 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 58 Resp: 48210

Ion	Ratio	Lower	Upper
58	100		
43	241.1	245.6	285.6#

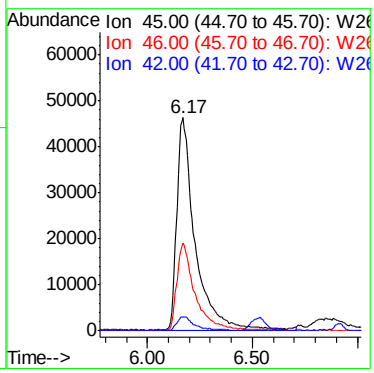


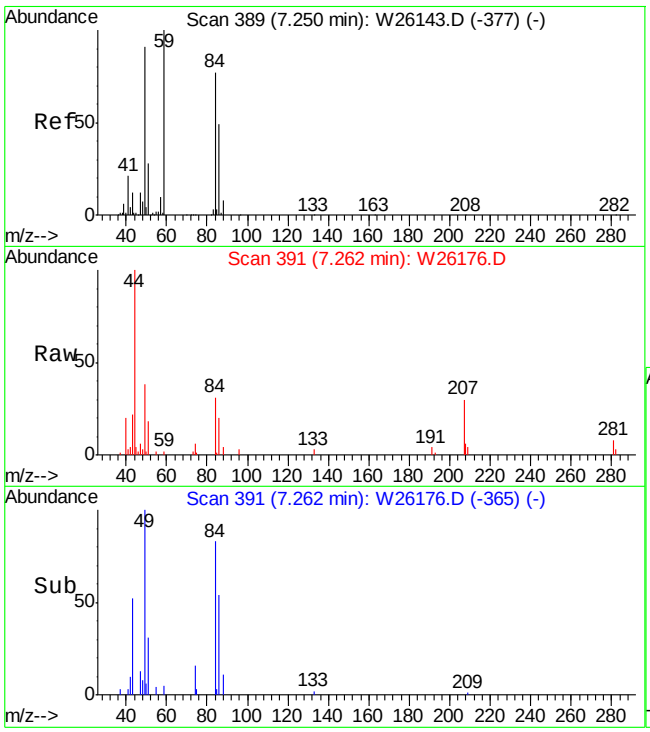


#25
ETHANOL
Concen: 42.55 PPBV
RT: 6.17 min Scan# 212
Delta R.T. 0.03 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 45 Resp: 277458

Ion	Ratio	Lower	Upper
45	100		
46	40.6	20.1	60.1
42	6.8	0.0	27.0

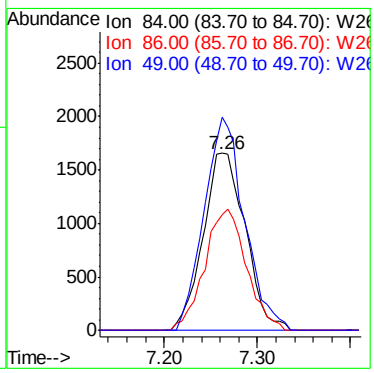


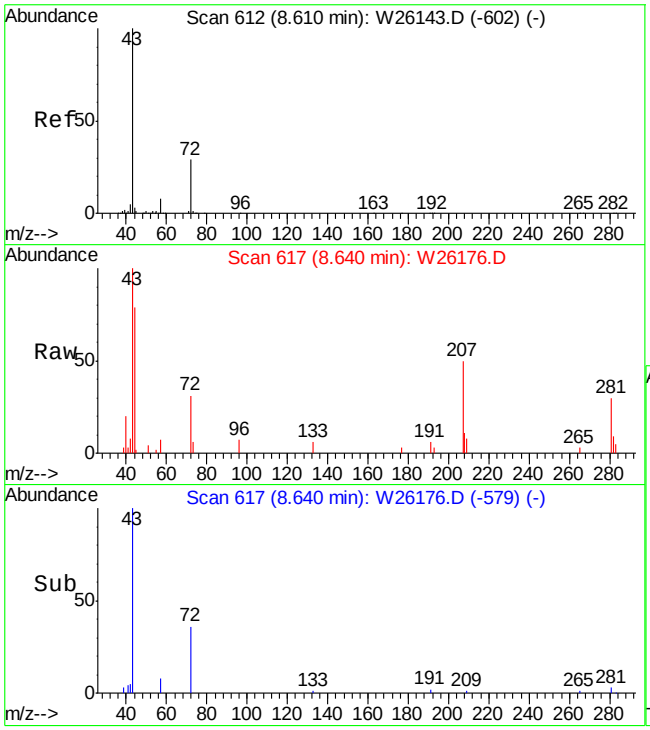


#27
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 7.26 min Scan# 391
Delta R.T. 0.01 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 84 Resp: 5245

Ion	Ratio	Lower	Upper
84	100		
86	67.7	44.2	84.2
49	115.5	0.0	316.5

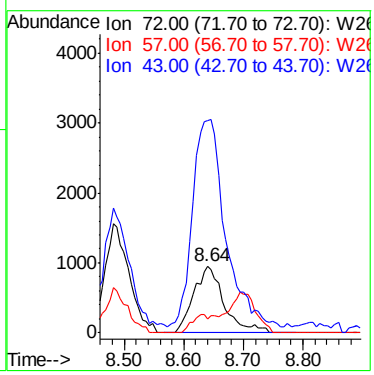


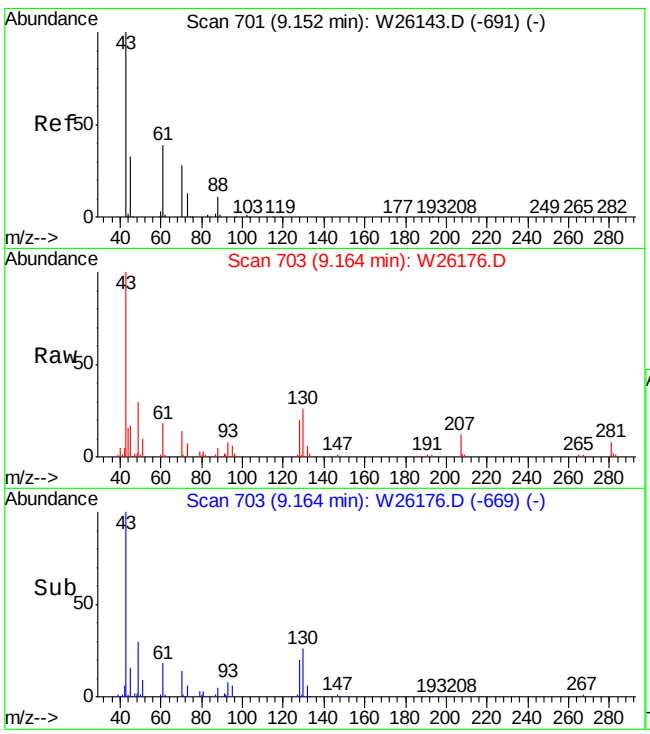


#37
METHYL ETHYL KETONE
Concen: 0.45 PPBV m
RT: 8.64 min Scan# 617
Delta R.T. 0.03 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 72 Resp: 3358

Ion	Ratio	Lower	Upper
72	100		
57	21.0	8.0	48.0
43	318.1	331.8	371.8#

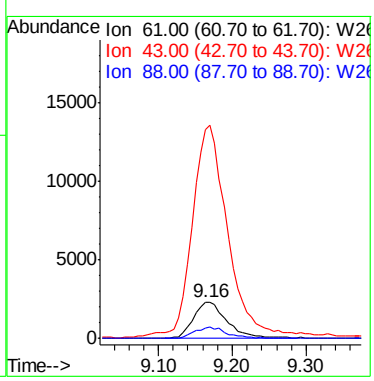


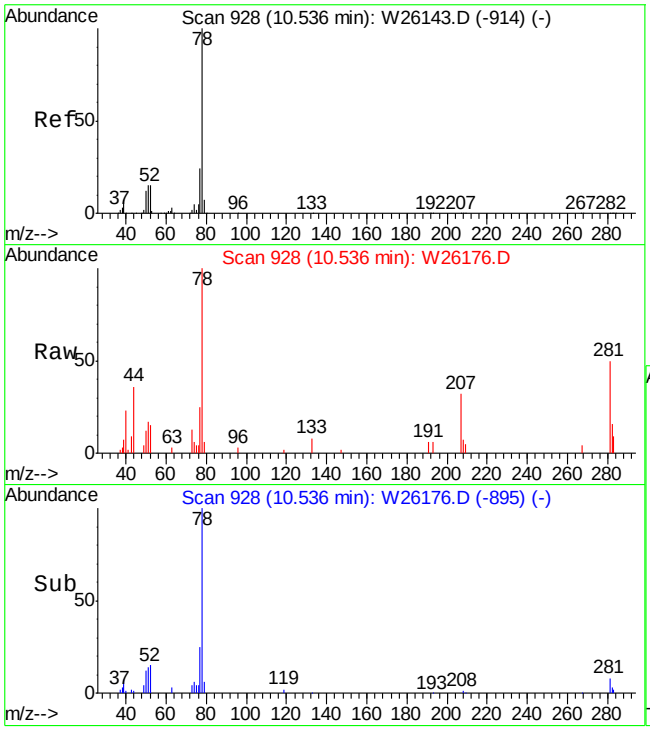


#40
ETHYL ACETATE
Concen: 1.45 PPBV
RT: 9.16 min Scan# 703
Delta R.T. 0.01 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 61 Resp: 7291

Ion	Ratio	Lower	Upper
61	100		
43	623.6	627.5	667.5#
88	30.3	28.3	68.3

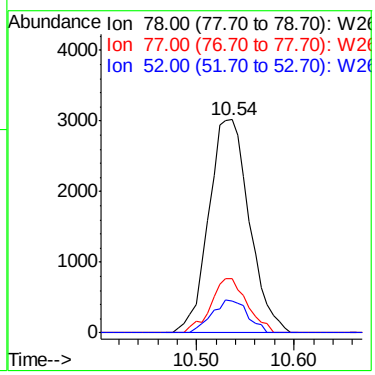


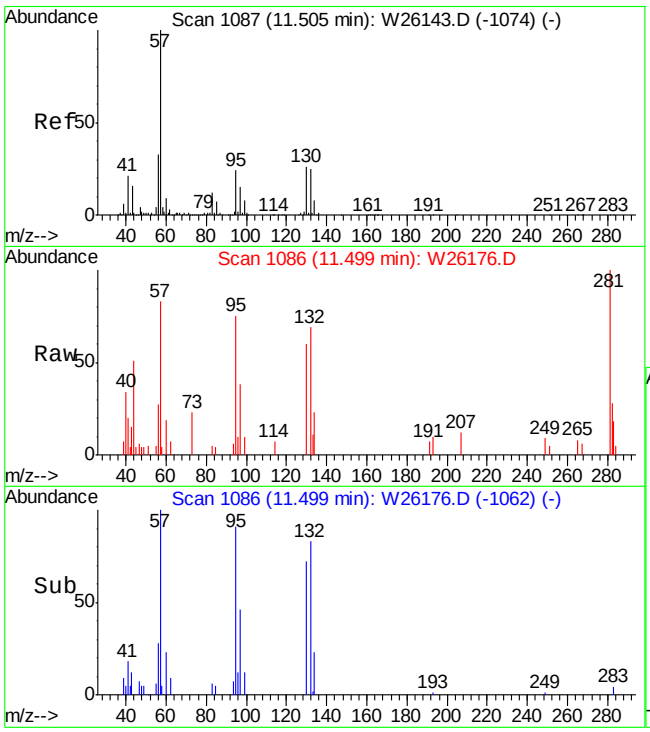


#47
BENZENE
Concen: 0.16 PPBV
RT: 10.54 min Scan# 928
Delta R.T. -0.00 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 78 Resp: 8731

Ion	Ratio	Lower	Upper
78	100		
77	22.6	3.5	43.5
52	13.5	0.0	34.8

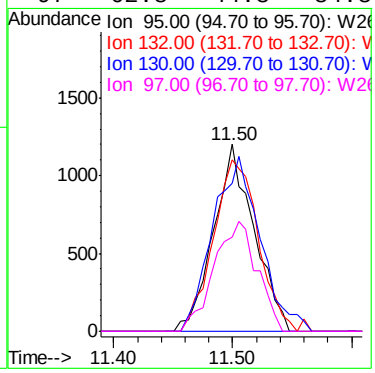


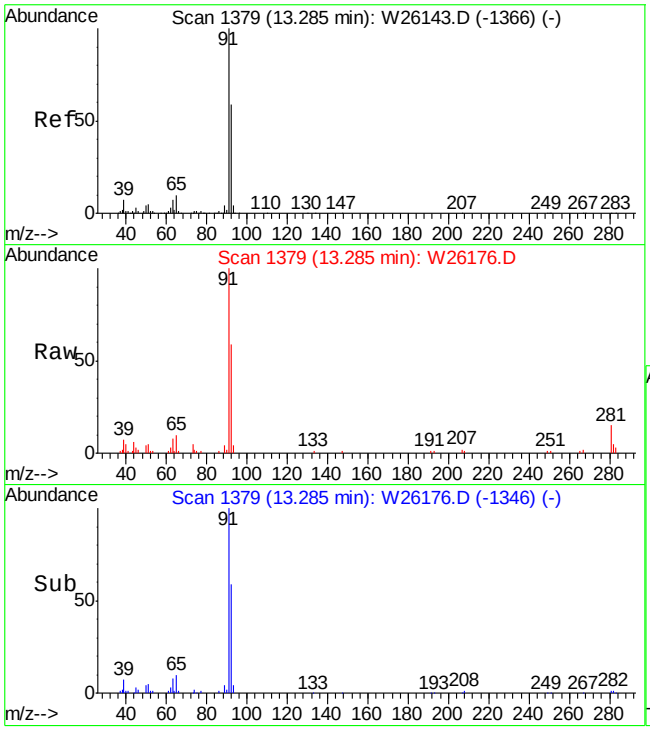


#50
TRICHLOROETHYLENE
Concen: 0.12 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 95 Resp: 2844

Ion	Ratio	Lower	Upper
95	100		
132	101.8	85.1	125.1
130	109.5	89.6	129.6
97	62.8	44.8	84.8

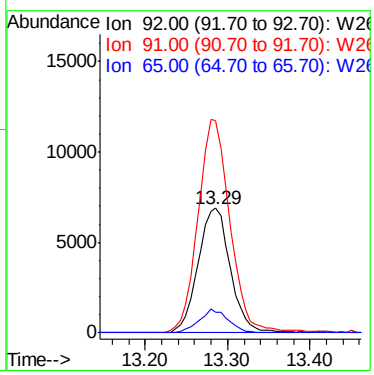




#60
TOLUENE
Concen: 0.48 PPBV
RT: 13.29 min Scan# 1379
Delta R.T. -0.00 min
Lab File: W26176.D
Acq: 6 May 2010 4:06 am

Tgt Ion: 92 Resp: 18639

Ion	Ratio	Lower	Upper
92	100		
91	169.2	148.1	188.1
65	17.1	0.0	37.4



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26177.D Vial: 3
Acq On : 6 May 2010 4:47 am Operator: YOUMINH
Sample : JA45152-8 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:47 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

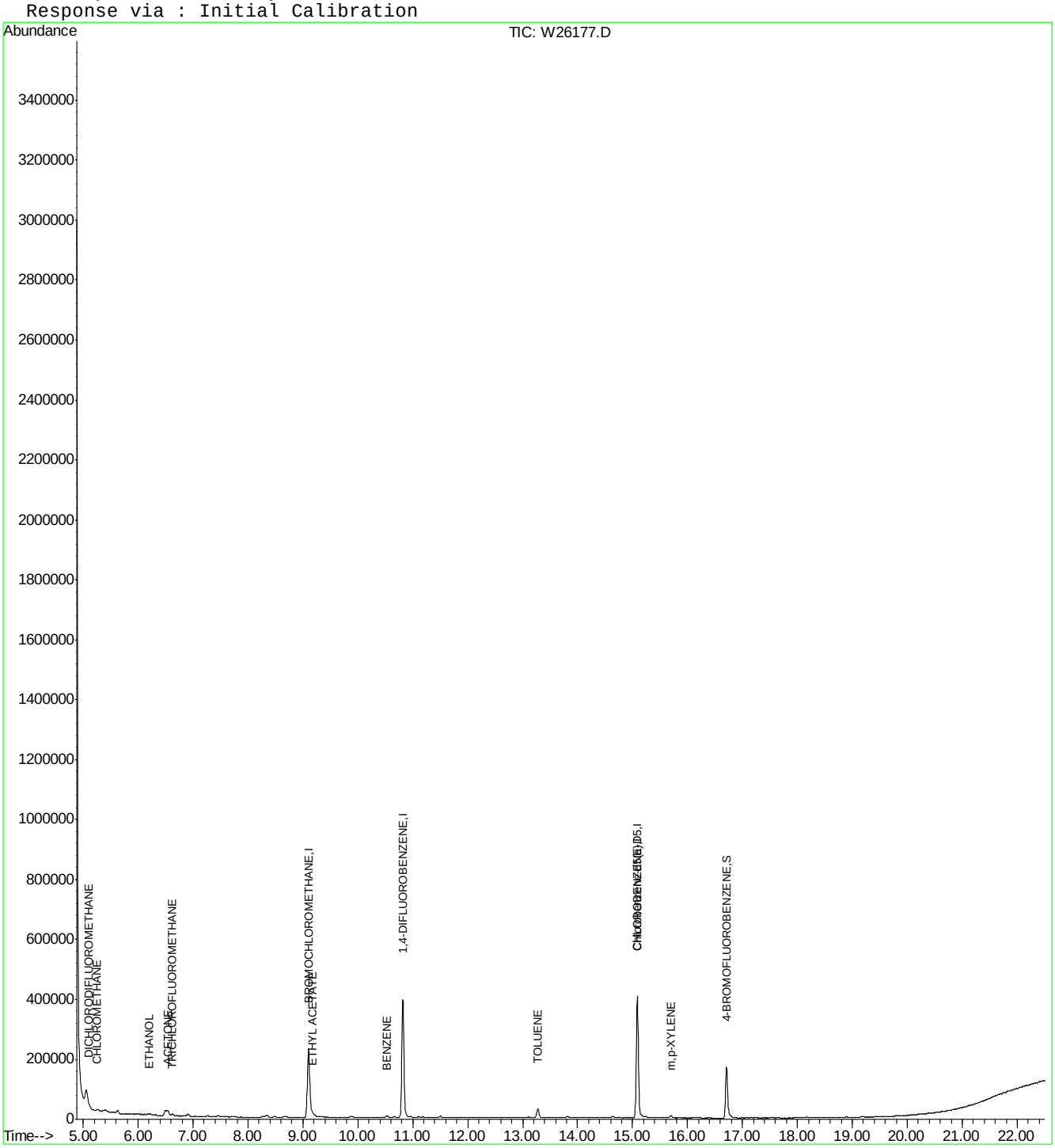
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	111533	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	512939	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	208811	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	208811	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	97775	4.84	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.80%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	19297	0.50	PPBV		98
8) CHLOROMETHANE	5.26	52	2686	0.57	PPBV	#	87
17) TRICHLOROFLUOROMETHANE	6.63	101	8886	0.23	PPBV		96
19) ACETONE	6.54	58	14122	1.99	PPBV	#	76
25) ETHANOL	6.20	45	9207	1.48	PPBV	#	92
40) ETHYL ACETATE	9.17	61	3527	0.74	PPBV		95
47) BENZENE	10.52	78	7600	0.14	PPBV		96
60) TOLUENE	13.28	92	20196	0.55	PPBV		97
72) m,p-XYLENE	15.69	106	3589	0.14	PPBV		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

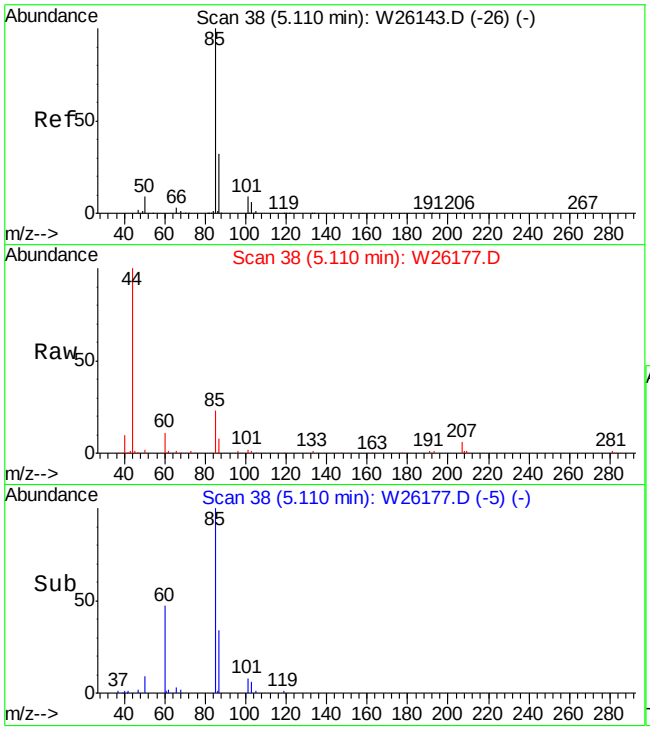
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26177.D Vial: 3
Acq On : 6 May 2010 4:47 am Operator: YOUMINH
Sample : JA45152-8 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:24 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



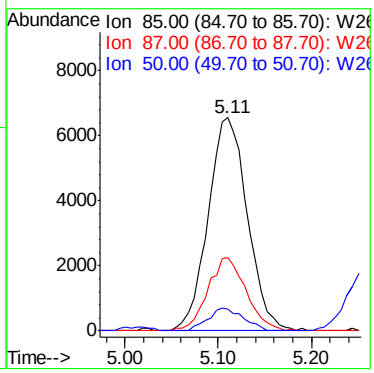
W26177.D MW1082.M Thu May 06 10:29:27 2010 MSW Page 2

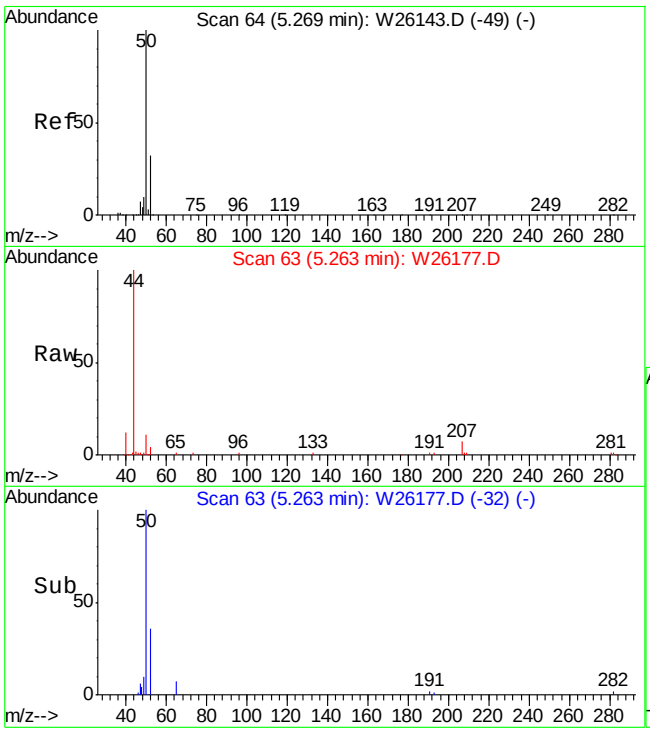


#5
DICHLORODIFLUOROMETHANE
Concen: 0.50 PPBV
RT: 5.11 min Scan# 38
Delta R.T. 0.00 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 85 Resp: 19297

Ion	Ratio	Lower	Upper
85	100		
87	33.7	12.3	52.3
50	9.7	0.0	29.8

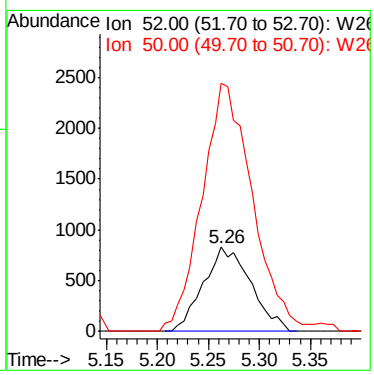


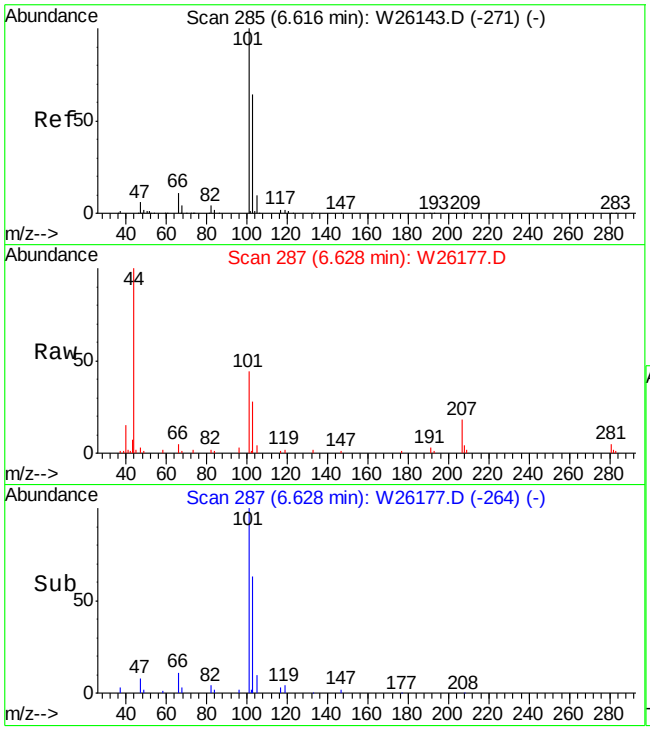


#8
CHLOROMETHANE
Concen: 0.57 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 52 Resp: 2686

Ion	Ratio	Lower	Upper
52	100		
50	282.7	289.7	329.7#

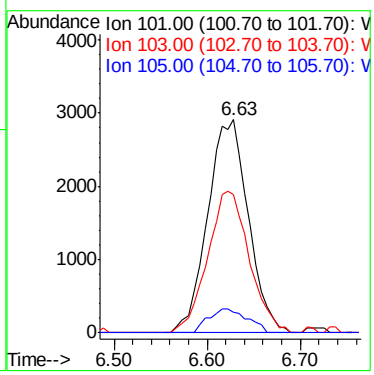


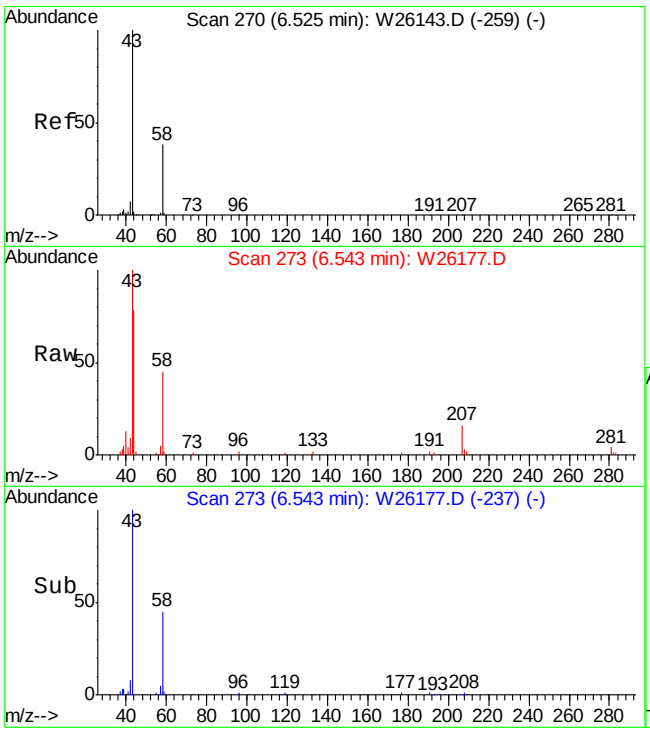


#17
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion:101 Resp: 8886

Ion	Ratio	Lower	Upper
101	100		
103	68.0	44.6	84.6
105	10.8	0.0	30.3

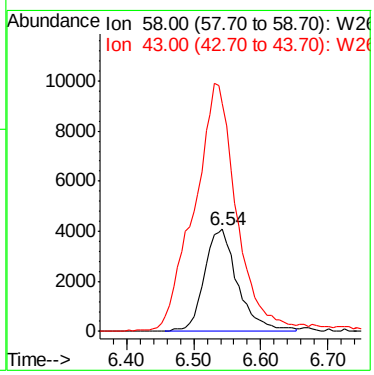


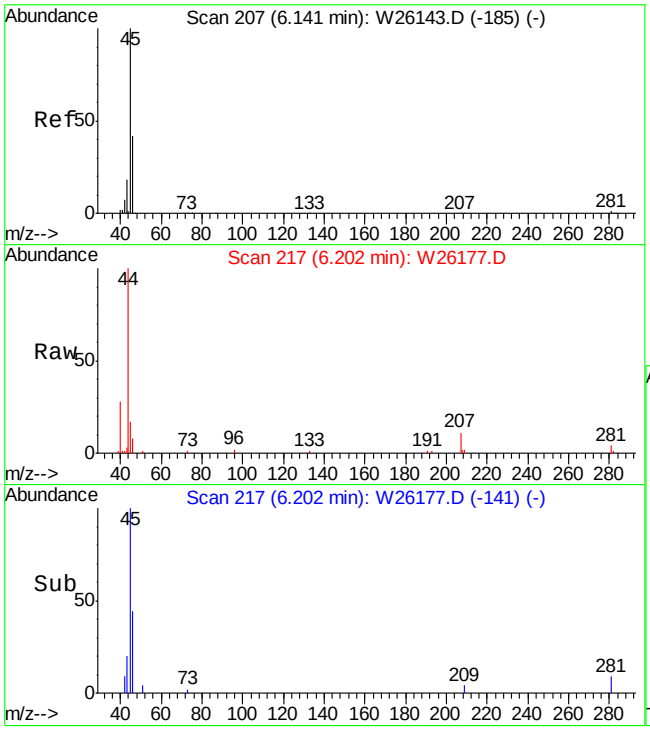


#19
ACETONE
Concen: 1.99 PPBV
RT: 6.54 min Scan# 273
Delta R.T. 0.02 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 58 Resp: 14122

Ion	Ratio	Lower	Upper
58	100		
43	309.4	245.6	285.6#

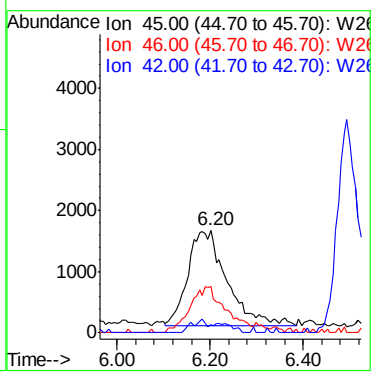


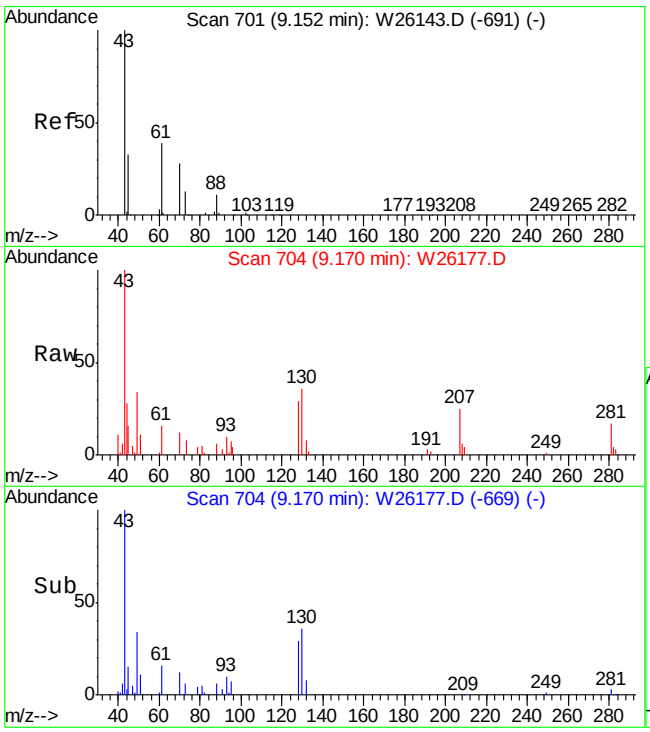


#25
ETHANOL
Concen: 1.48 PPBV
RT: 6.20 min Scan# 217
Delta R.T. 0.06 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 45 Resp: 9207

Ion	Ratio	Lower	Upper
45	100		
46	44.0	20.1	60.1
42	0.0	0.0	27.0

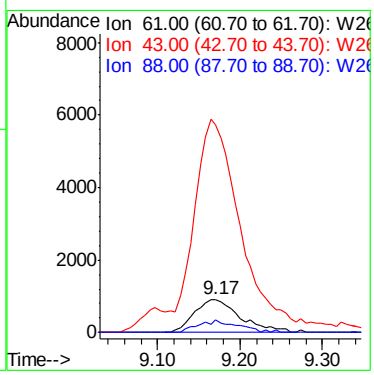


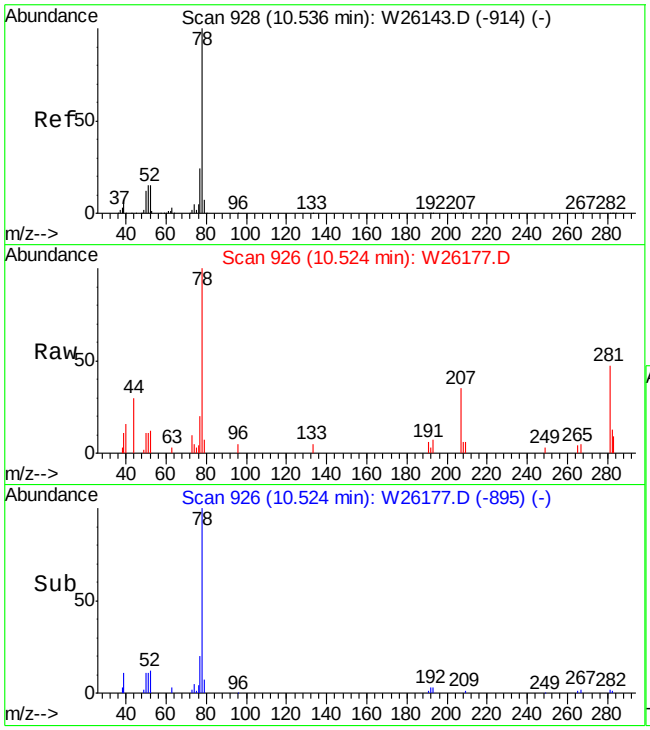


#40
ETHYL ACETATE
Concen: 0.74 PPBV
RT: 9.17 min Scan# 704
Delta R.T. 0.02 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 61 Resp: 3527

Ion	Ratio	Lower	Upper
61	100		
43	637.7	627.5	667.5
88	31.2	28.3	68.3

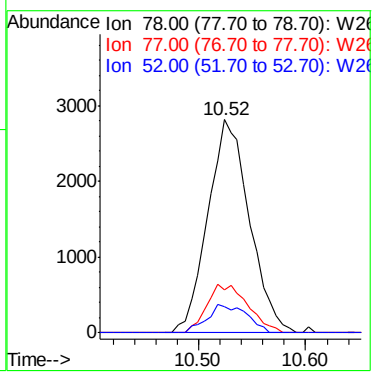


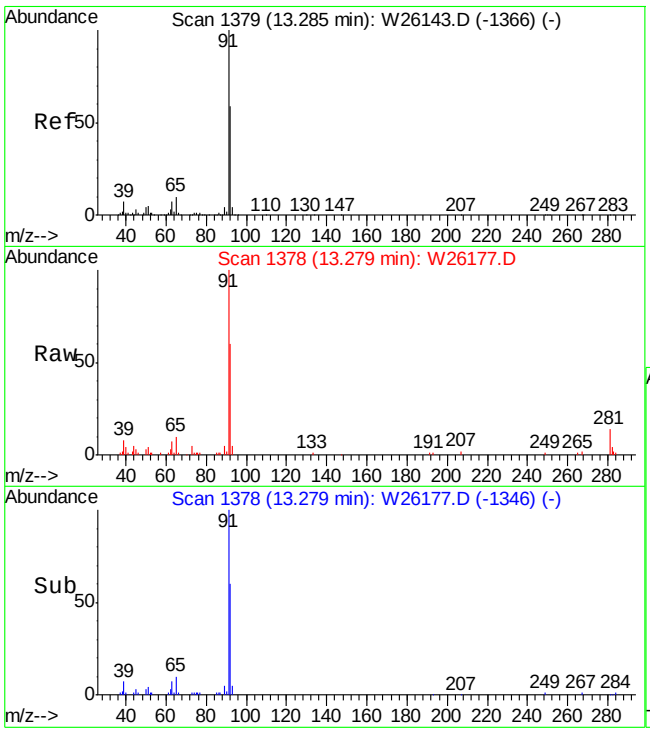


#47
BENZENE
Concen: 0.14 PPBV
RT: 10.52 min Scan# 926
Delta R.T. -0.01 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 78 Resp: 7600

Ion	Ratio	Lower	Upper
78	100		
77	22.4	3.5	43.5
52	12.5	0.0	34.8

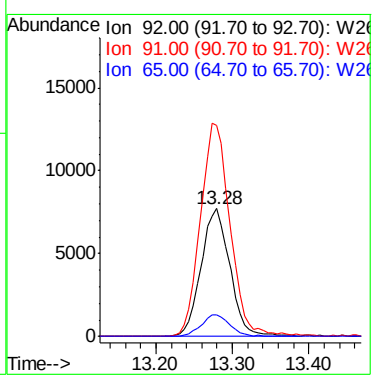


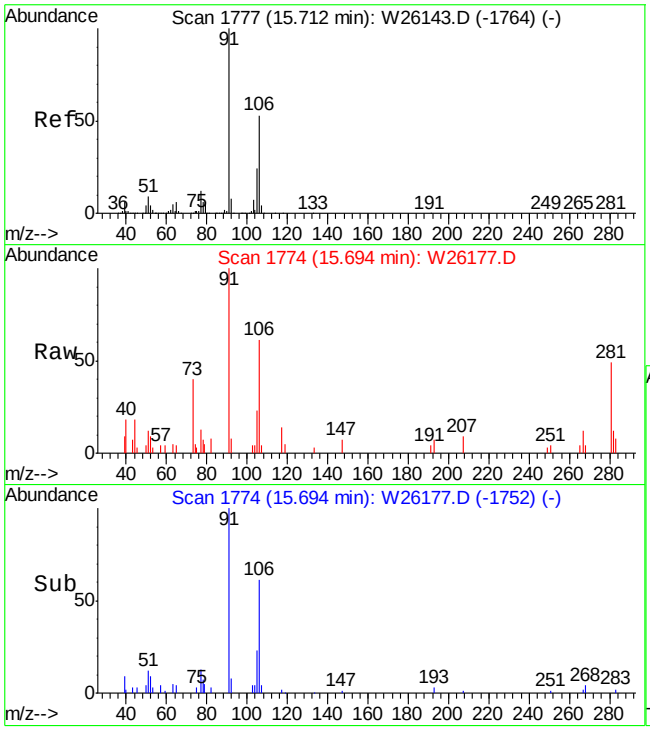


#60
TOLUENE
Concen: 0.55 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion: 92 Resp: 20196

Ion	Ratio	Lower	Upper
92	100		
91	172.5	148.1	188.1
65	16.9	0.0	37.4

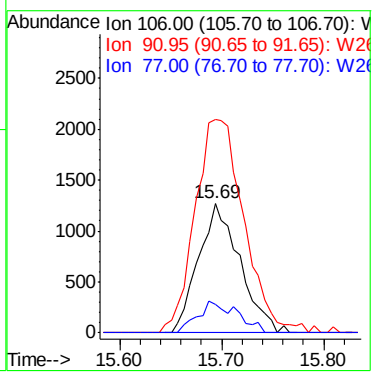




#72
m,p-XYLENE
Concen: 0.14 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26177.D
Acq: 6 May 2010 4:47 am

Tgt Ion:106 Resp: 3589

Ion	Ratio	Lower	Upper
106	100		
91	164.3	151.9	227.9
77	21.5	18.7	28.1



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26178.D Vial: 4
Acq On : 6 May 2010 5:28 am Operator: YOUMINH
Sample : JA45152-9 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:49 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

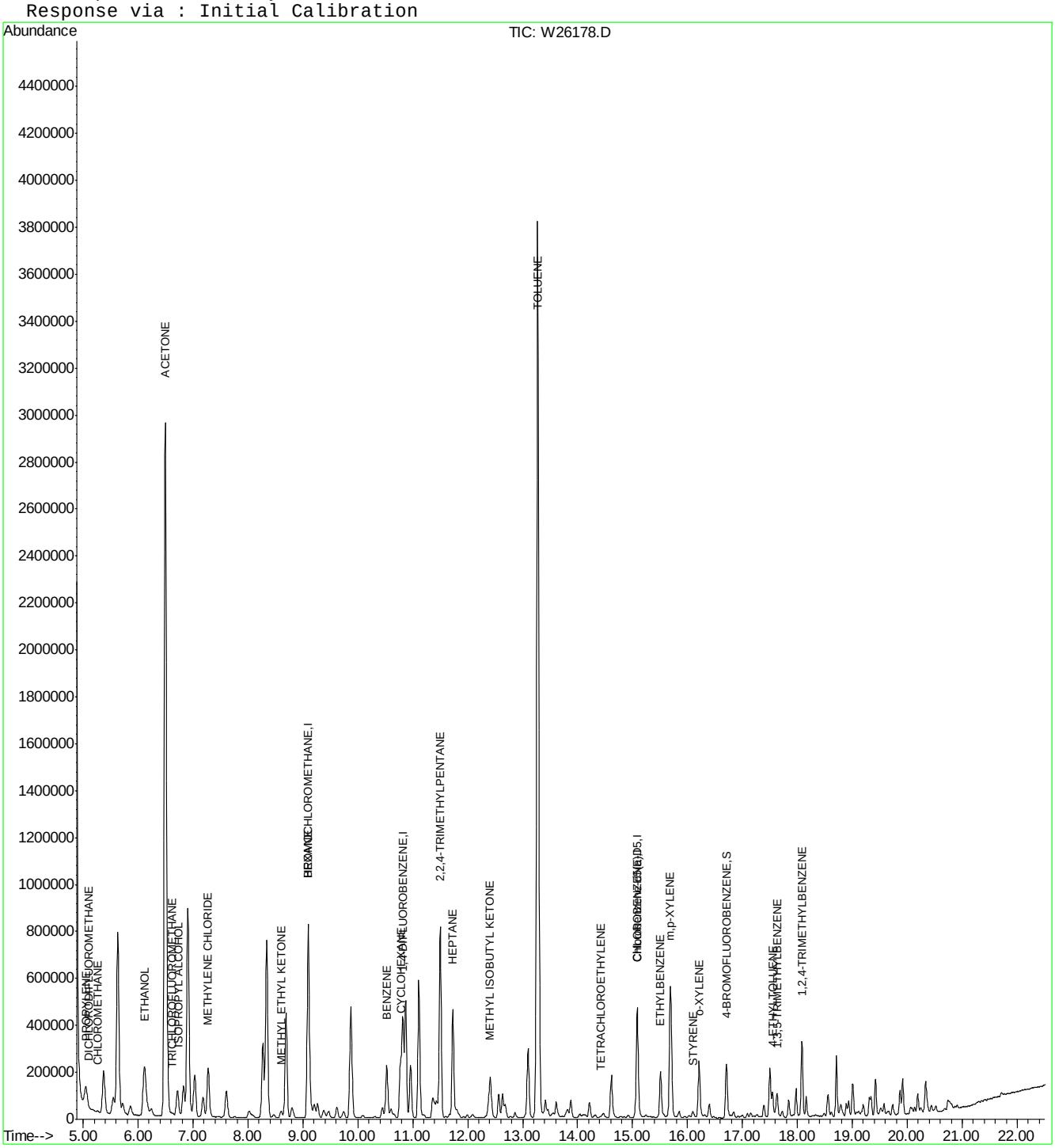
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	110628	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	510082	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	222416	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	222416	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	118972	5.53	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 110.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	20538	0.54	PPBV		99
6) PROPYLENE	5.04	41	74115	5.60	PPBV		91
8) CHLOROMETHANE	5.26	52	2801	0.60	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.63	101	8799	0.23	PPBV		93
18) ISOPROPYL ALCOHOL	6.73	45	37345	1.46	PPBV	#	62
19) ACETONE	6.49	58	770523	109.71	PPBV	#	20
25) ETHANOL	6.12	45	529084	85.63	PPBV	#	96
27) METHYLENE CHLORIDE	7.26	84	4013	0.27	PPBV		77
34) HEXANE	9.10	57	409801	14.19	PPBV		85
37) METHYL ETHYL KETONE	8.60	72	16051	2.28	PPBV		96
47) BENZENE	10.53	78	304781	5.78	PPBV		100
48) CYCLOHEXANE	10.77	84	130580	5.11	PPBV		92
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	946099	10.83	PPBV		95
56) HEPTANE	11.72	43	251721	7.96	PPBV		99
58) METHYL ISOBUTYL KETONE	12.39	43	66295	2.33	PPBV		95
60) TOLUENE	13.27	92	2508438	69.00	PPBV		98
65) TETRACHLOROETHYLENE	14.42	164	1591	0.06	PPBV		96
71) ETHYLBENZENE	15.51	91	222884	3.14	PPBV		99
72) m,p-XYLENE	15.69	106	304822	10.97	PPBV		97
73) o-XYLENE	16.21	106	106322	3.93	PPBV		100
74) STYRENE	16.10	104	12956	0.37	PPBV		97
83) 4-ETHYLTOLUENE	17.55	105	67830	1.17	PPBV		99
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	71593	1.42	PPBV		99
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	248271	5.40	PPBV	#	32

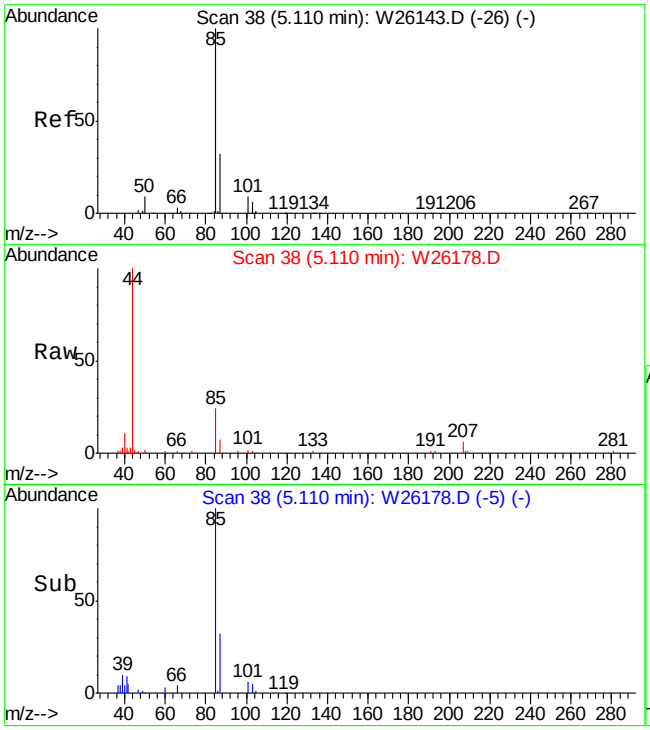
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26178.D Vial: 4
Acq On : 6 May 2010 5:28 am Operator: YOUMINH
Sample : JA45152-9 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:26 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

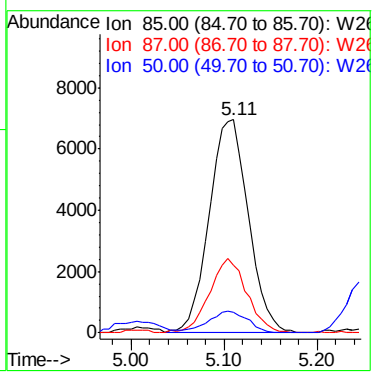


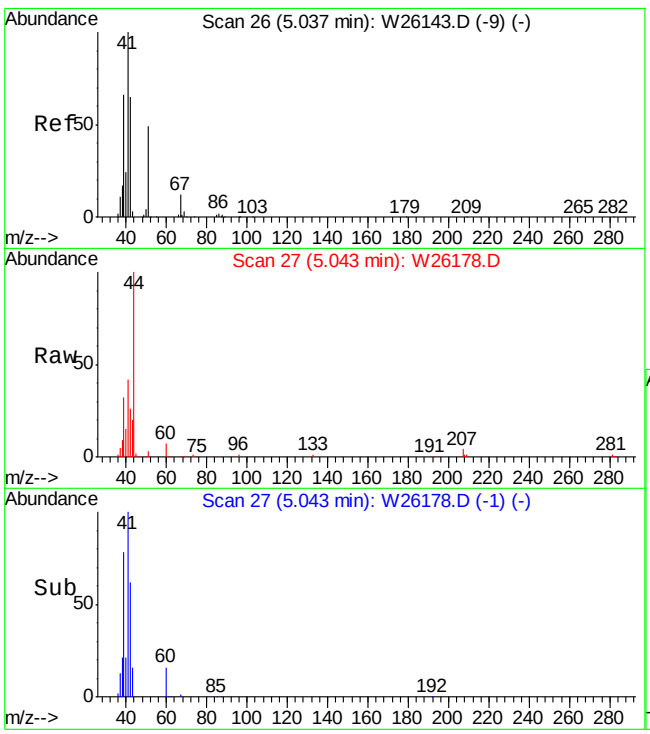


#5
DICHLORODIFLUOROMETHANE
Concen: 0.54 PPBV
RT: 5.11 min Scan# 38
Delta R.T. -0.00 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 85 Resp: 20538

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.3	52.3
50	10.1	0.0	29.8

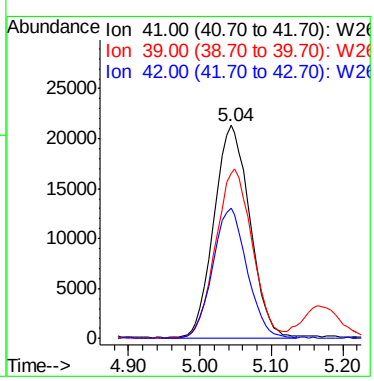


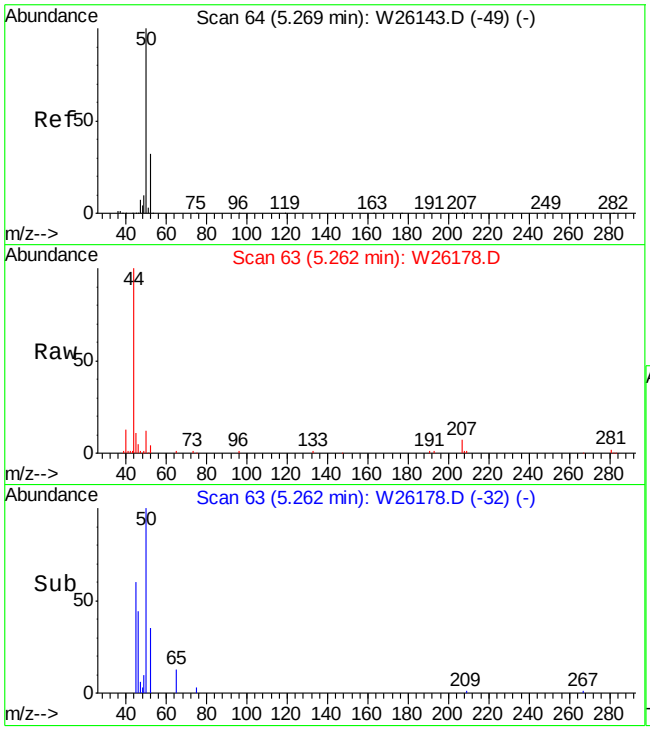


#6
PROPYLENE
Concen: 5.60 PPBV
RT: 5.04 min Scan# 27
Delta R.T. 0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 41 Resp: 74115

Ion	Ratio	Lower	Upper
41	100		
39	77.3	46.3	86.3
42	61.1	45.0	85.0

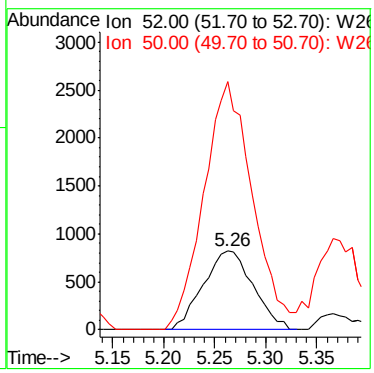


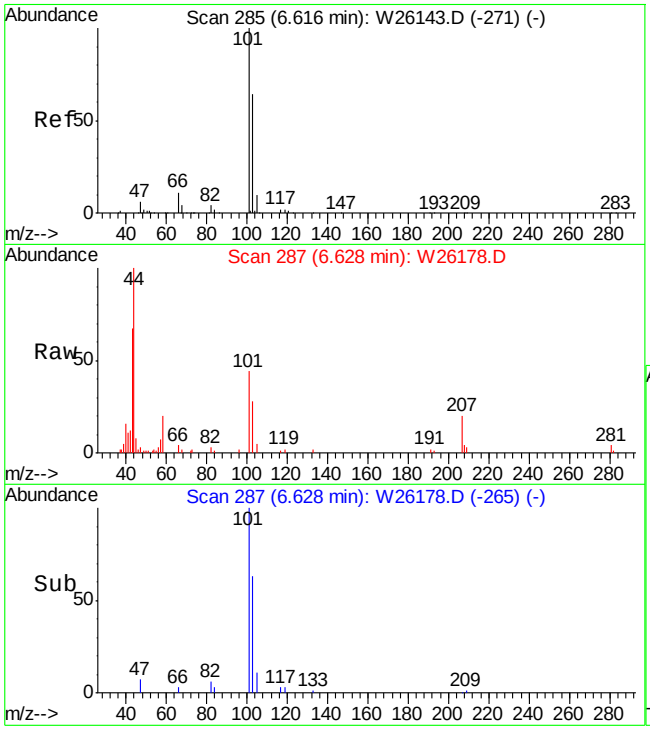


#8
CHLOROMETHANE
Concen: 0.60 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 52 Resp: 2801

Ion	Ratio	Lower	Upper
52	100		
50	304.6	289.7	329.7

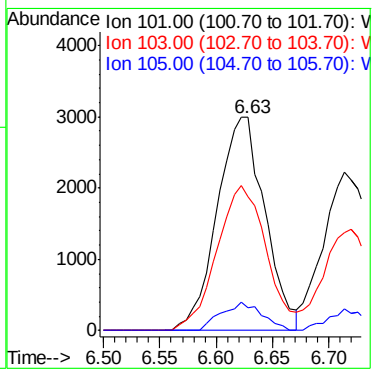


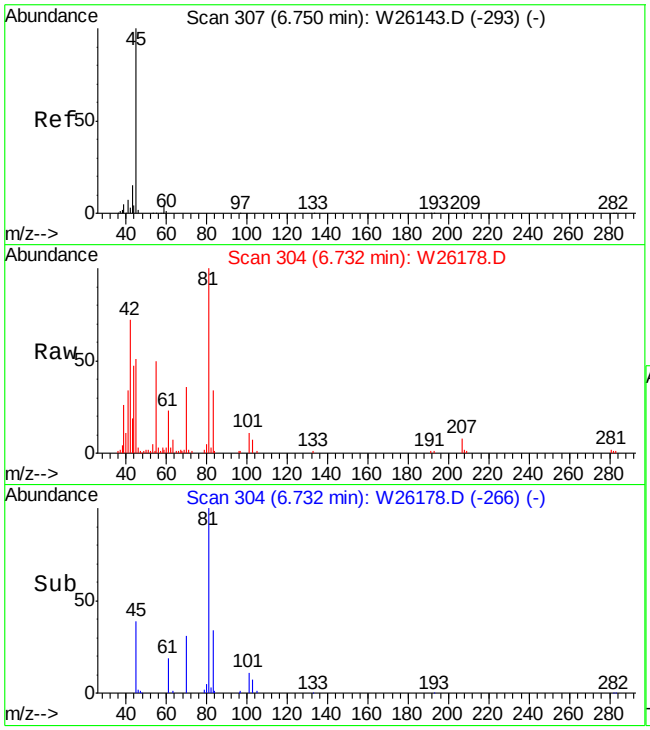


#17
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:101 Resp: 8799

Ion	Ratio	Lower	Upper
101	100		
103	70.2	44.6	84.6
105	11.3	0.0	30.3

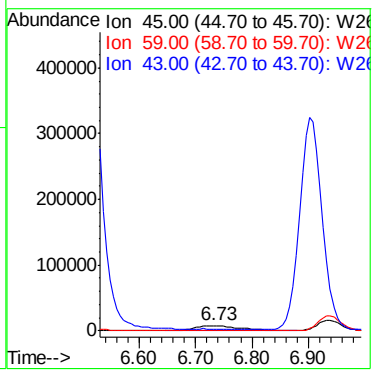


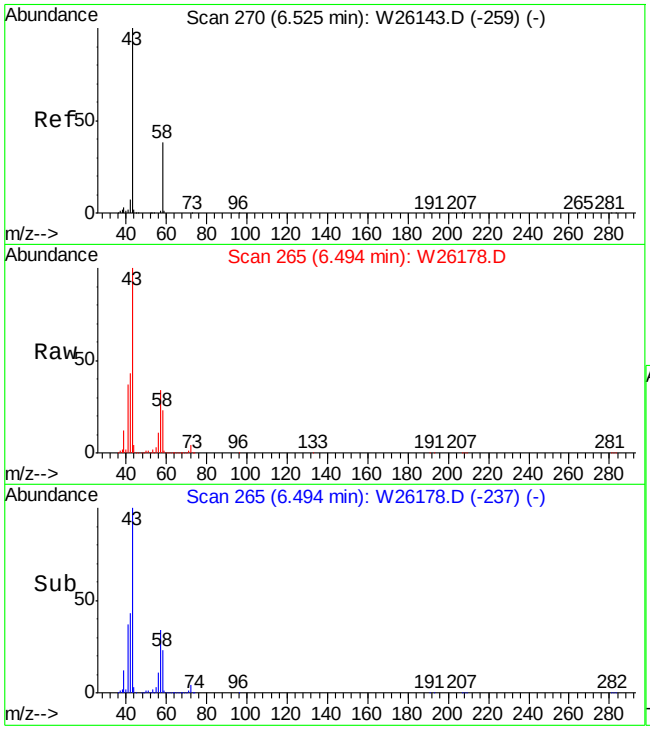


#18
ISOPROPYL ALCOHOL
Concen: 1.46 PPBV
RT: 6.73 min Scan# 304
Delta R.T. -0.02 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 45 Resp: 37345

Ion	Ratio	Lower	Upper
45	100		
59	4.1	0.0	24.5
43	36.1	0.0	35.9#

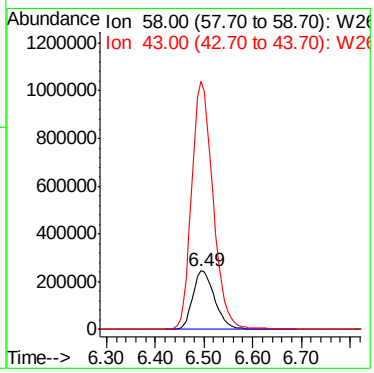


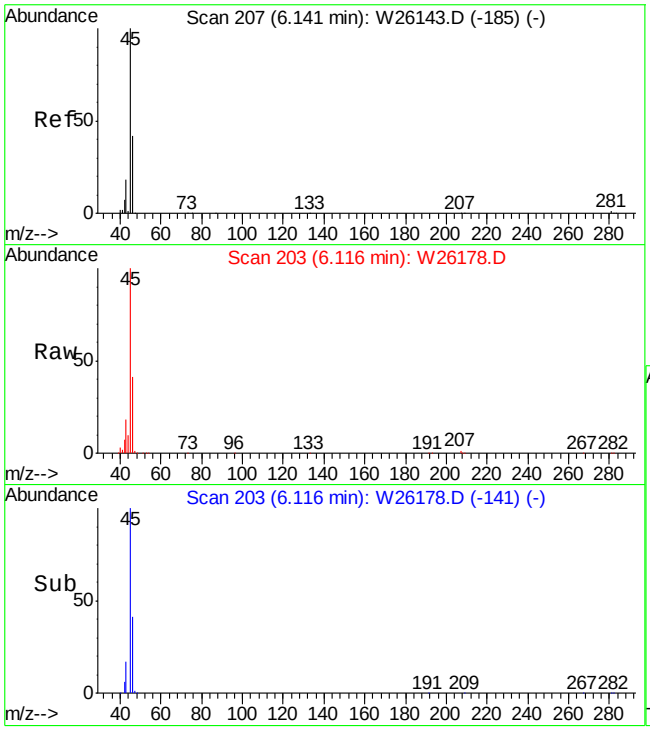


#19
ACETONE
Concen: 109.71 PPBV
RT: 6.49 min Scan# 265
Delta R.T. -0.03 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 58 Resp: 770523

Ion	Ratio	Lower	Upper
58	100		
43	410.7	245.6	285.6#

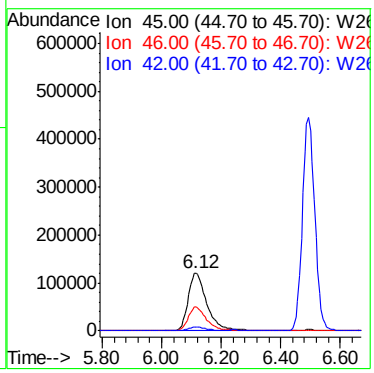


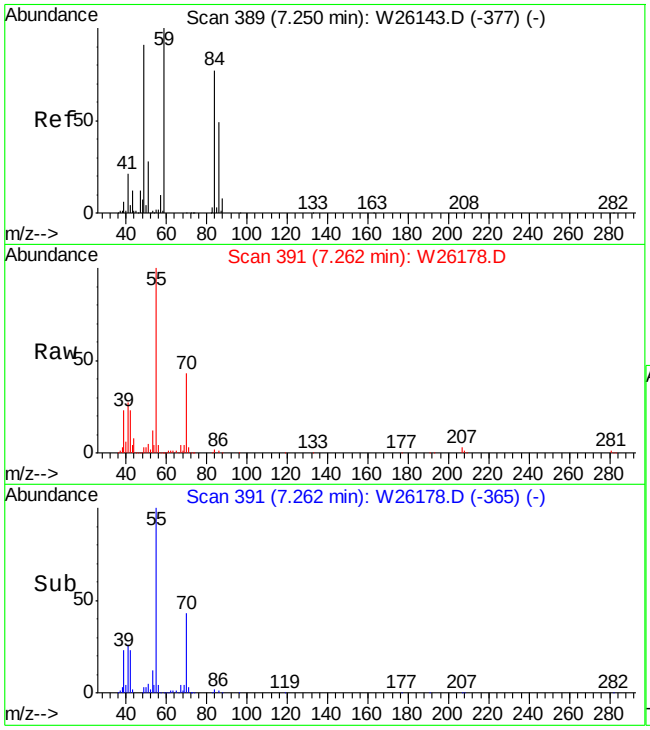


#25
ETHANOL
Concen: 85.63 PPBV
RT: 6.12 min Scan# 203
Delta R.T. -0.02 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 45 Resp: 529084

Ion	Ratio	Lower	Upper
45	100		
46	40.8	20.1	60.1
42	0.0	0.0	27.0

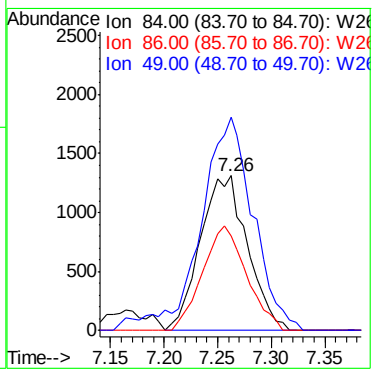


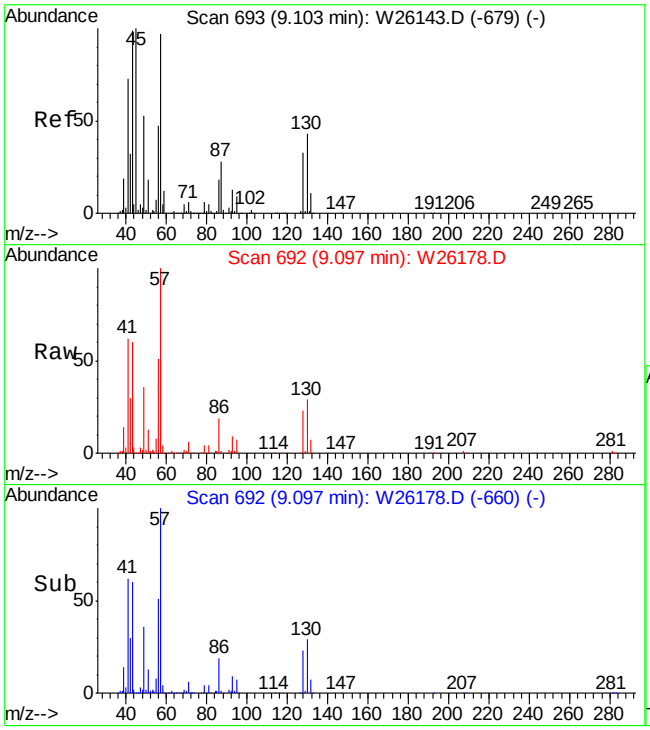


#27
METHYLENE CHLORIDE
Concen: 0.27 PPBV
RT: 7.26 min Scan# 391
Delta R.T. 0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 84 Resp: 4013

Ion	Ratio	Lower	Upper
84	100		
86	63.2	44.2	84.2
49	154.0	0.0	316.5

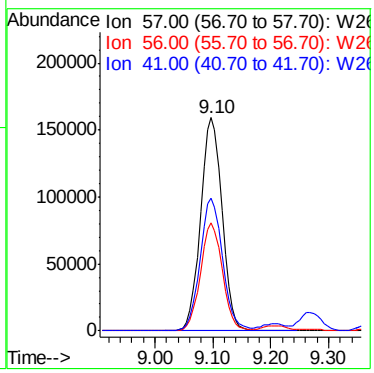


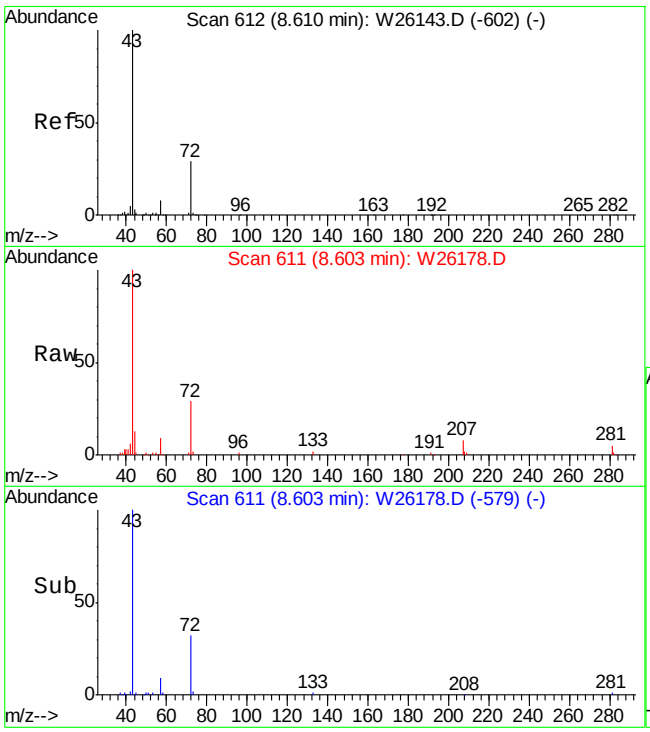


#34
HEXANE
Concen: 14.19 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 57 Resp: 409801

Ion	Ratio	Lower	Upper
57	100		
56	51.4	29.5	69.5
41	65.0	64.9	104.9

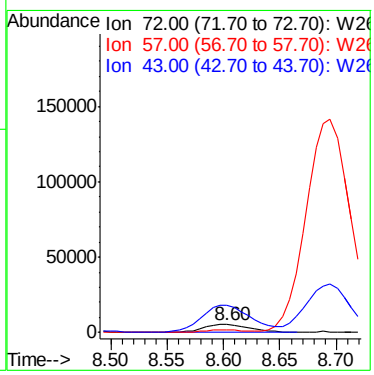


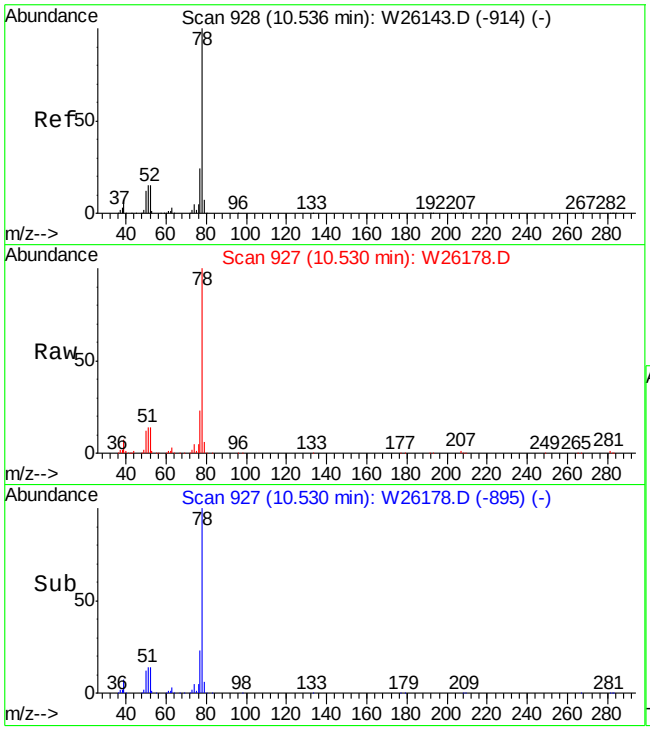


#37
METHYL ETHYL KETONE
Concen: 2.28 PPBV
RT: 8.60 min Scan# 611
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 72 Resp: 16051

Ion	Ratio	Lower	Upper
72	100		
57	31.3	8.0	48.0
43	343.1	331.8	371.8

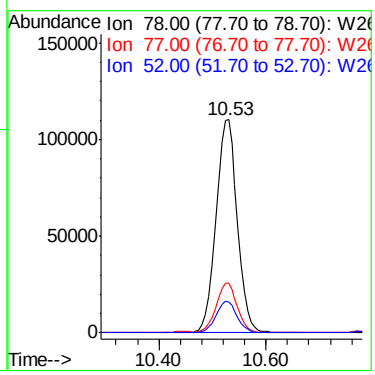


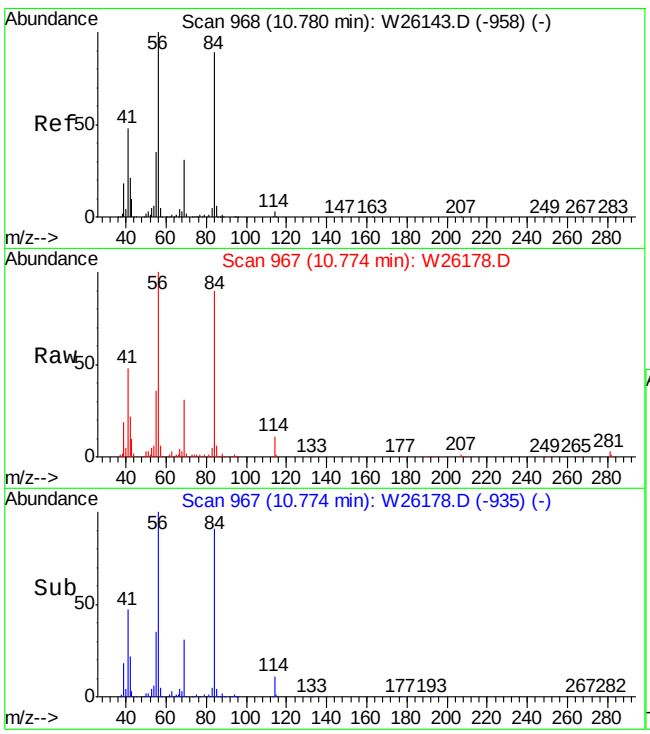


#47
BENZENE
Concen: 5.78 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 78 Resp: 304781

Ion	Ratio	Lower	Upper
78	100		
77	23.3	3.5	43.5
52	14.7	0.0	34.8

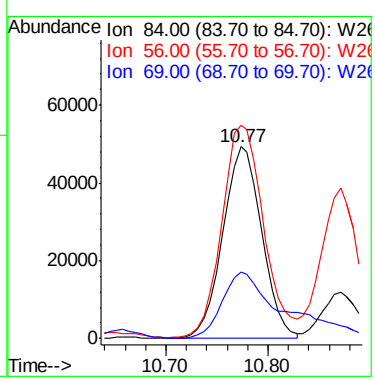


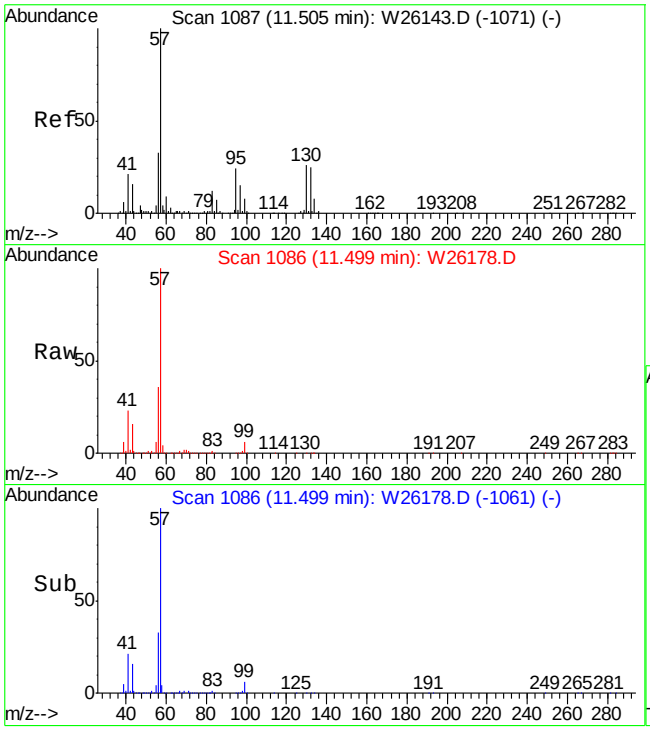


#48
CYCLOHEXANE
Concen: 5.11 PPBV
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 84 Resp: 130580

Ion	Ratio	Lower	Upper
84	100		
56	118.5	96.4	136.4
69	55.4	19.6	59.6

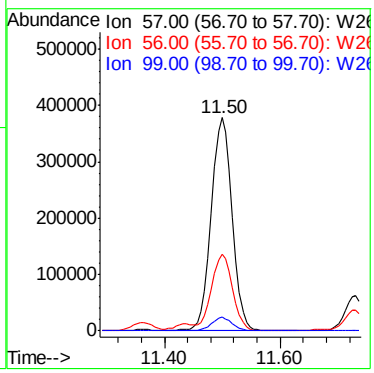


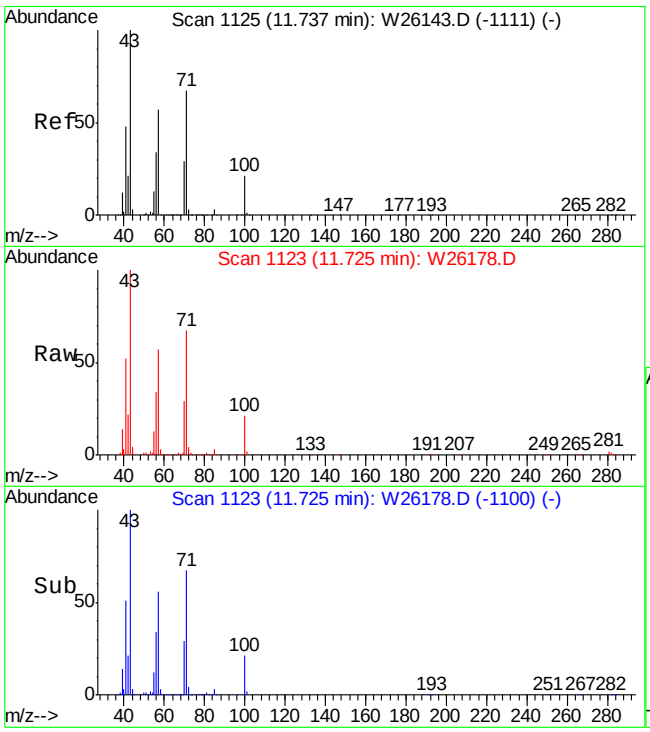


#53
2,2,4-TRIMETHYLPENTANE
Concen: 10.83 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 57 Resp: 946099

Ion	Ratio	Lower	Upper
57	100		
56	36.0	13.0	53.0
99	6.2	0.0	28.3

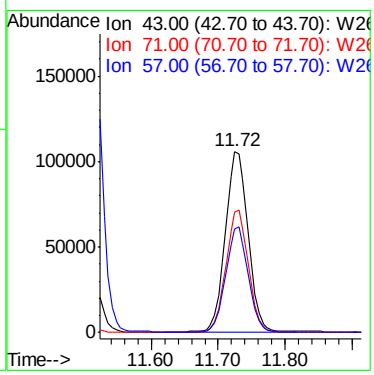


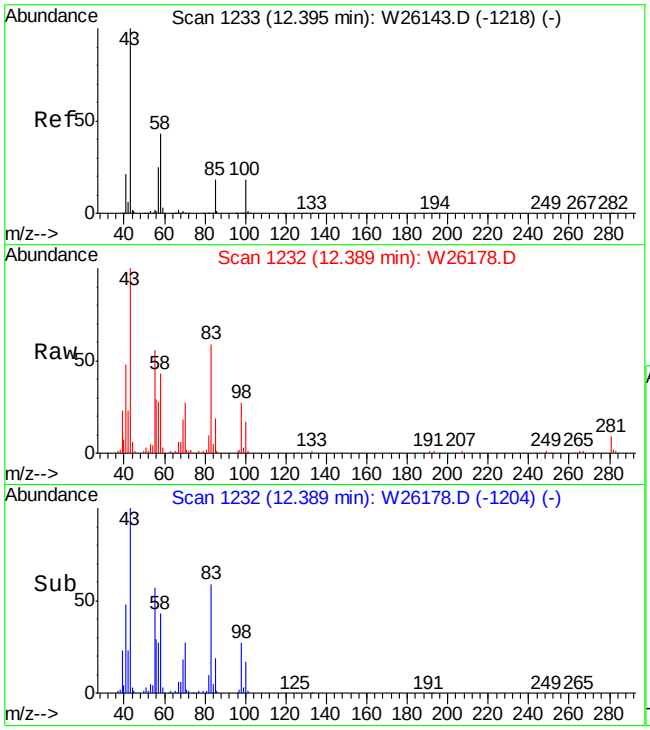


#56
HEPTANE
Concen: 7.96 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 43 Resp: 251721

Ion	Ratio	Lower	Upper
43	100		
71	66.8	45.5	85.5
57	57.1	36.6	76.6

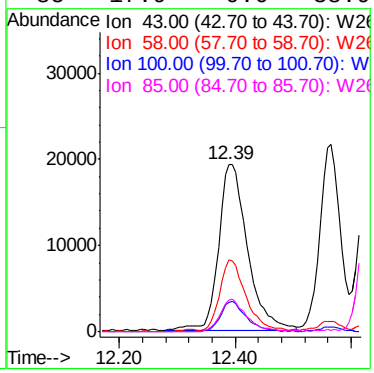


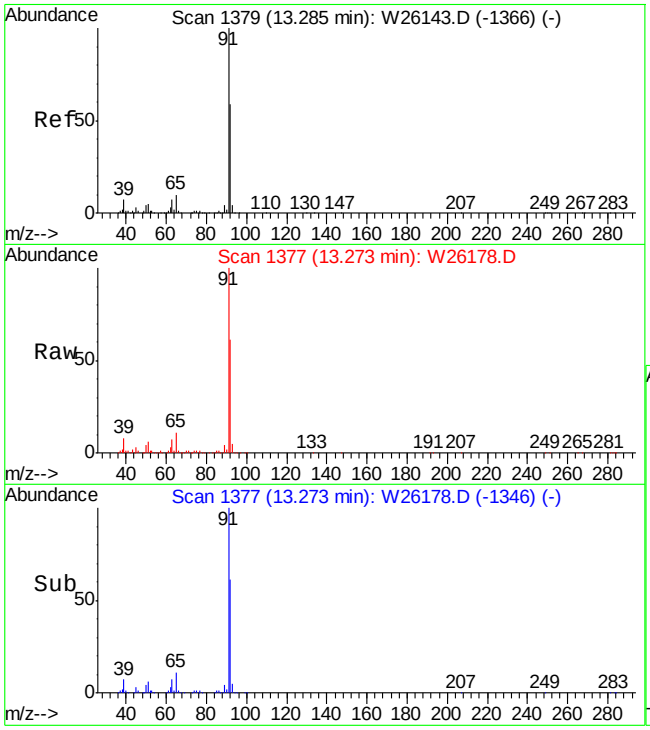


#58
METHYL ISOBUTYL KETONE
Concen: 2.33 PPBV
RT: 12.39 min Scan# 1232
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 43 Resp: 66295

Ion	Ratio	Lower	Upper
43	100		
58	38.8	23.4	63.4
100	16.4	0.0	37.6
85	17.9	0.0	38.9

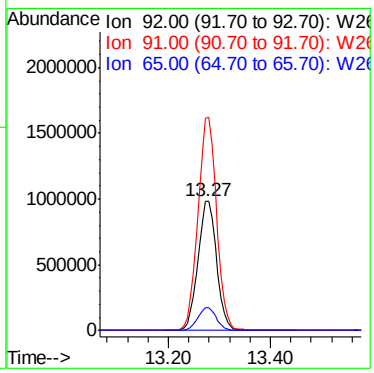


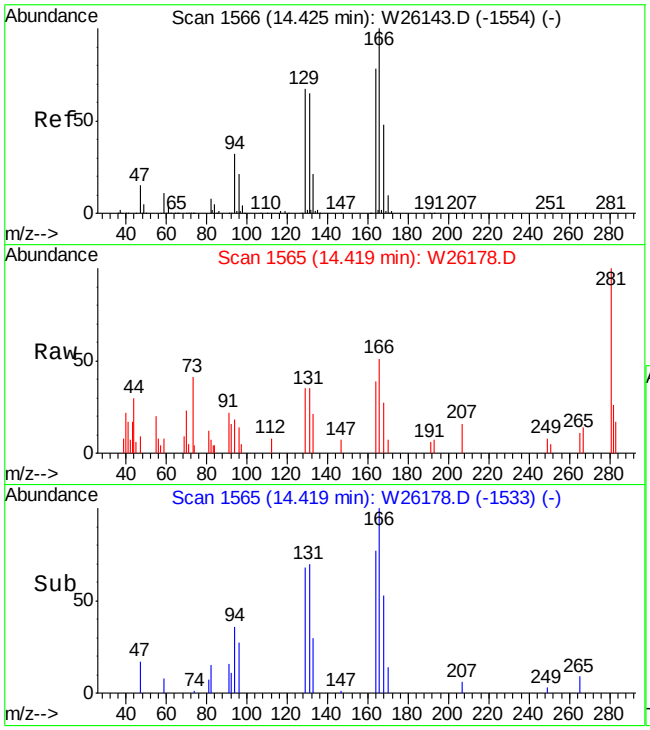


#60
TOLUENE
Concen: 69.00 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 92 Resp: 2508438

Ion	Ratio	Lower	Upper
92	100		
91	165.3	148.1	188.1
65	17.7	0.0	37.4

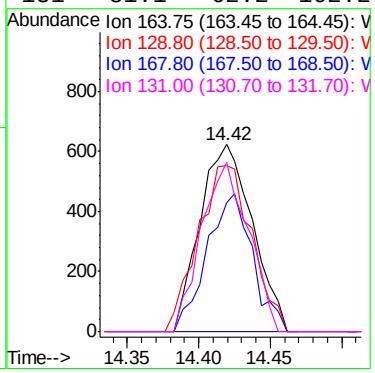


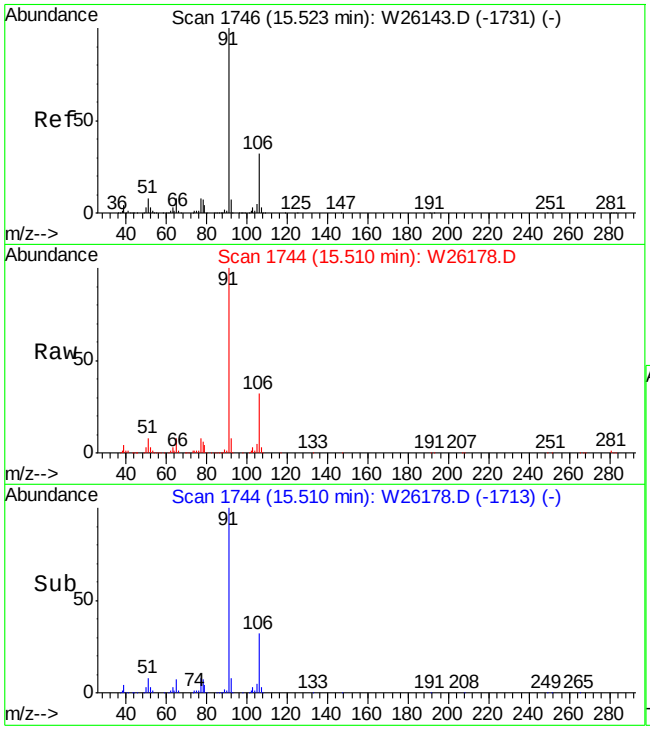


#65
TETRACHLOROETHYLENE
Concen: 0.06 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:164 Resp: 1591

Ion	Ratio	Lower	Upper
164	100		
129	90.9	65.1	105.1
168	63.8	41.4	81.4
131	81.1	62.2	102.2

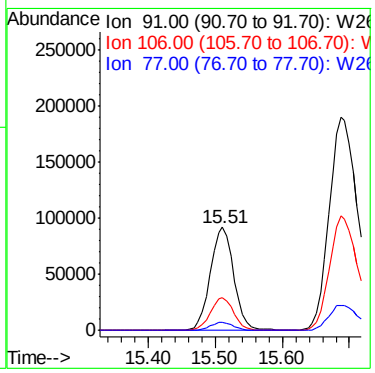


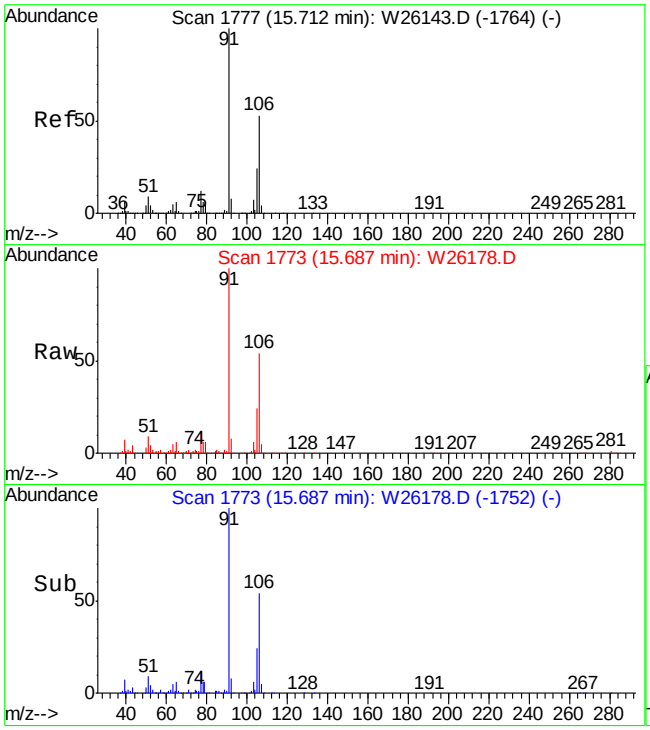


#71
ETHYLBENZENE
Concen: 3.14 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion: 91 Resp: 222884

Ion	Ratio	Lower	Upper
91	100		
106	31.9	12.3	52.3
77	7.9	0.0	27.9

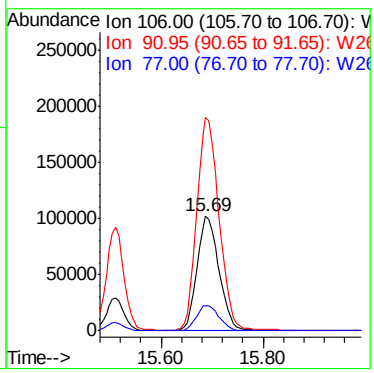


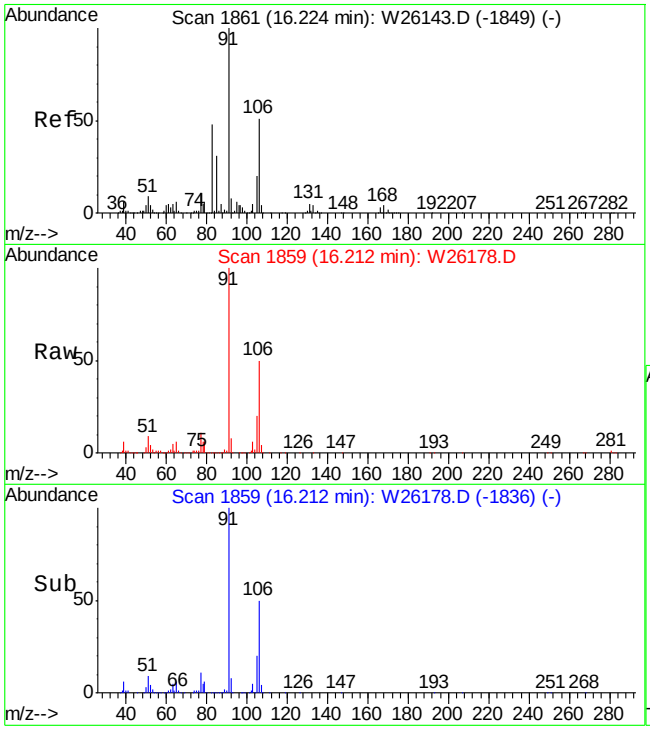


#72
m,p-XYLENE
Concen: 10.97 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:106 Resp: 304822

Ion	Ratio	Lower	Upper
106	100		
91	185.2	151.9	227.9
77	22.2	18.7	28.1

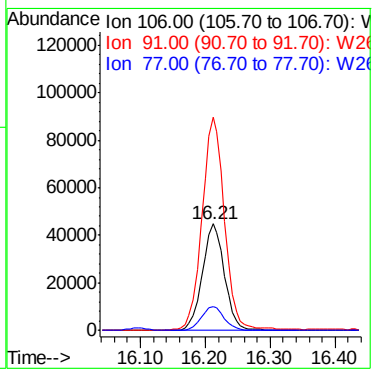


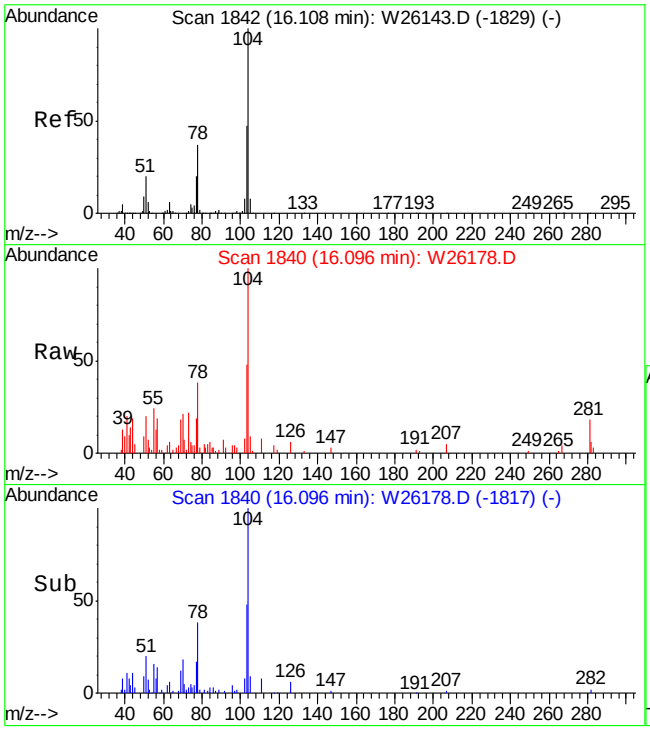


#73
o-XYLENE
Concen: 3.93 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:106 Resp: 106322

Ion	Ratio	Lower	Upper
106	100		
91	200.7	181.1	221.1
77	23.0	3.6	43.6

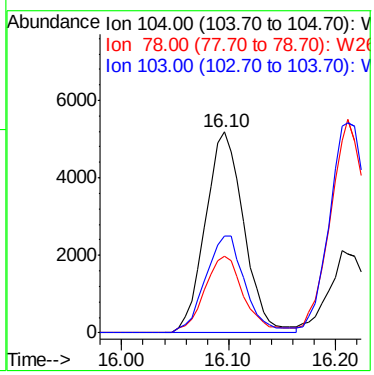


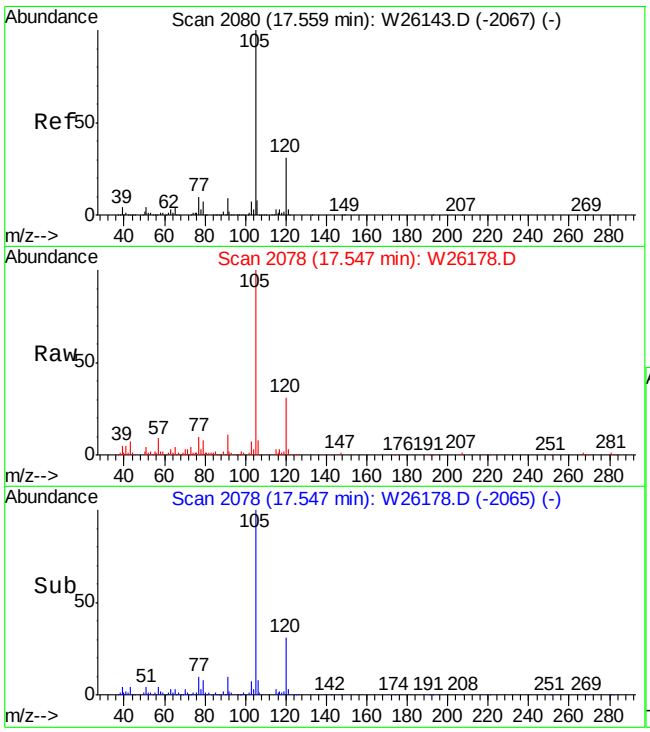


#74
STYRENE
Concen: 0.37 PPBV
RT: 16.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:104 Resp: 12956

Ion	Ratio	Lower	Upper
104	100		
78	39.1	17.3	57.3
103	49.3	27.4	67.4

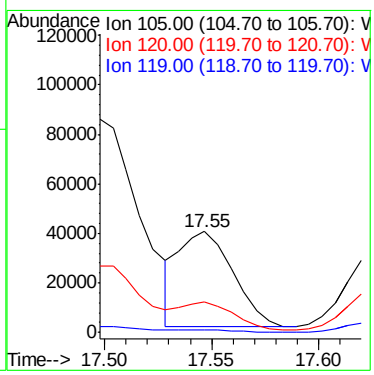


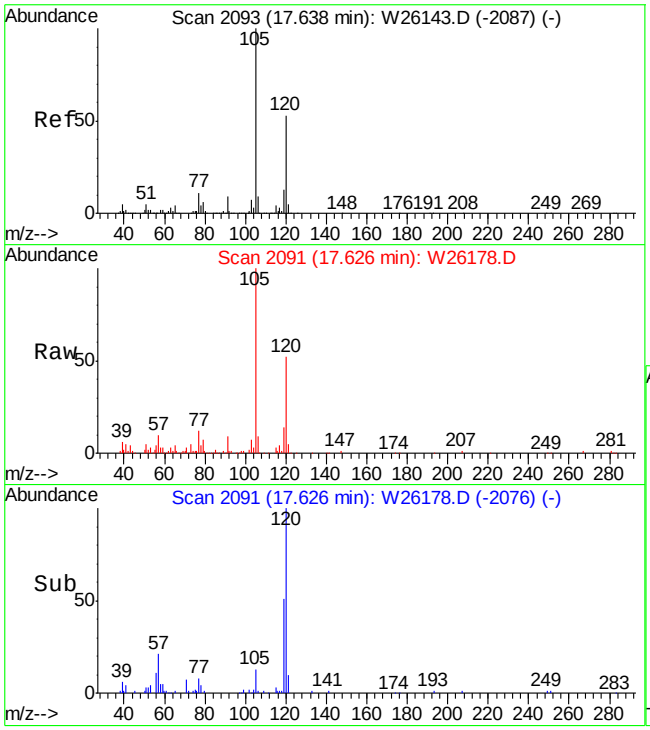


#83
4-ETHYLTOLUENE
Concen: 1.17 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:105 Resp: 67830

Ion	Ratio	Lower	Upper
105	100		
120	30.0	10.4	50.4
119	2.6	0.0	22.4

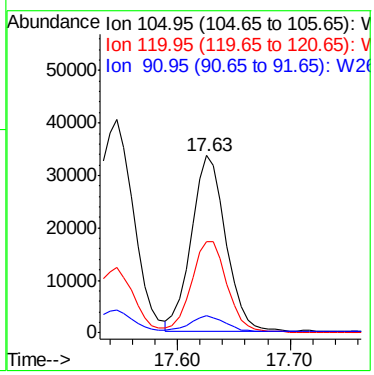


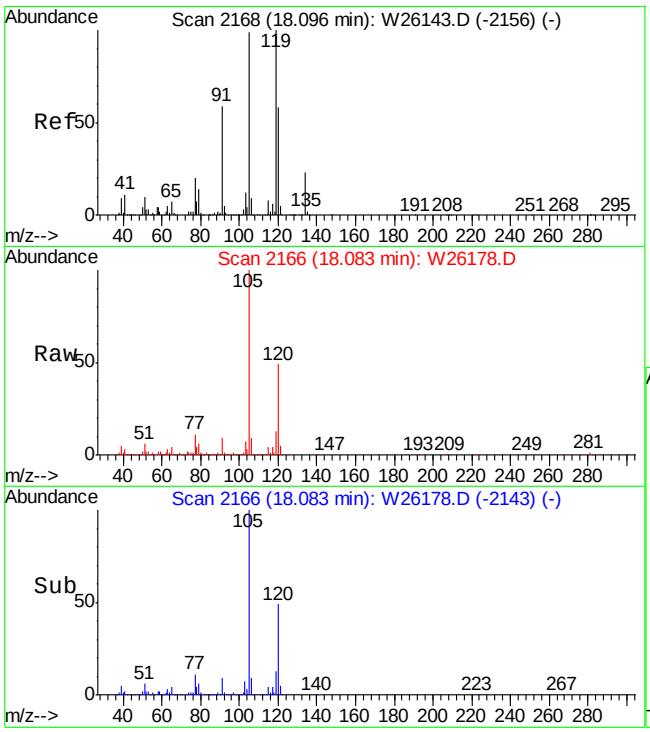


#84
1,3,5-TRIMETHYLBENZENE
Concen: 1.42 PPBV
RT: 17.63 min Scan# 2091
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:105 Resp: 71593

Ion	Ratio	Lower	Upper
105	100		
120	53.6	32.8	72.8
91	9.1	0.0	29.3

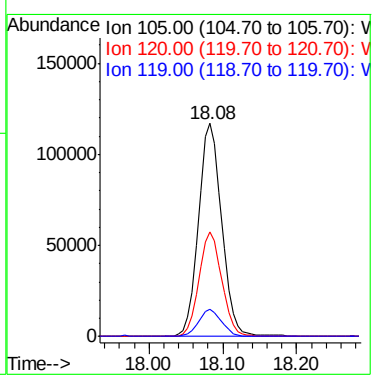




#86
1,2,4-TRIMETHYLBENZENE
Concen: 5.40 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26178.D
Acq: 6 May 2010 5:28 am

Tgt Ion:105 Resp: 248271

Ion	Ratio	Lower	Upper
105	100		
120	49.0	38.9	78.9
119	13.0	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26188.D Vial: 8
Acq On : 6 May 2010 3:17 pm Operator: YOUMINH
Sample : JA45152-9 Inst : MSW
Misc : MS96200,VW1084,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:58 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

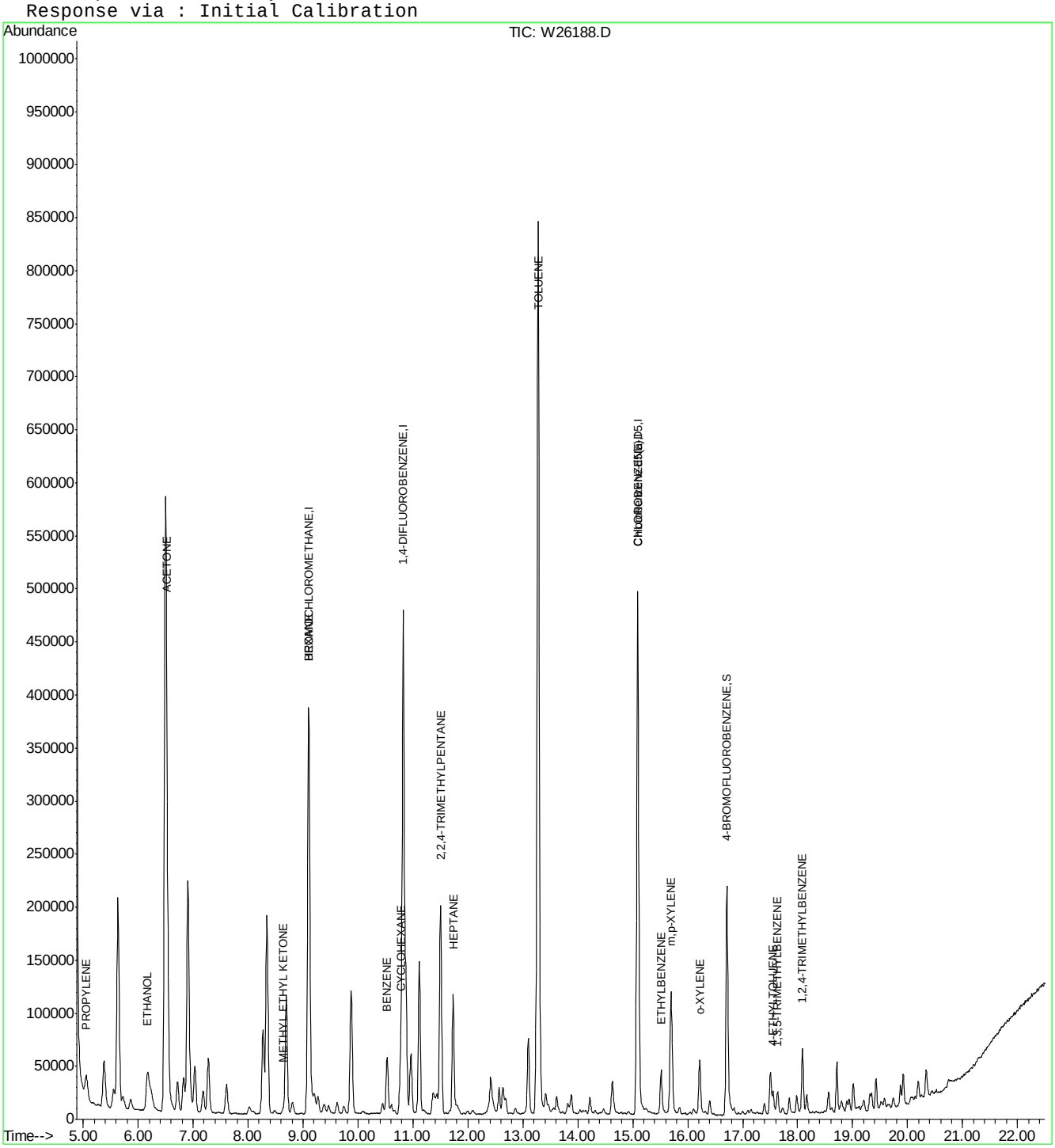
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	118855	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	595668	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	248202	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	248202	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	118545	4.94	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.80%				
Target Compounds							Qvalue
6) PROPYLENE	5.06	41	20216	1.42	PPBV		89
19) ACETONE	6.52	58	171071	22.67	PPBV	#	2
25) ETHANOL	6.18	45	125773	18.95	PPBV	#	96
34) HEXANE	9.10	57	101068	3.26	PPBV		87
37) METHYL ETHYL KETONE	8.63	72	3757	0.50	PPBV		97
47) BENZENE	10.53	78	72171	1.17	PPBV		99
48) CYCLOHEXANE	10.77	84	32272	1.08	PPBV	#	79
53) 2,2,4-TRIMETHYLPENTANE	11.51	57	231821	2.27	PPBV		95
56) HEPTANE	11.73	43	61336	1.66	PPBV		99
60) TOLUENE	13.28	92	557604	13.13	PPBV		100
71) ETHYLBENZENE	15.52	91	47697	0.60	PPBV		100
72) m,p-XYLENE	15.69	106	64336	2.08	PPBV		98
73) o-XYLENE	16.22	106	23093	0.77	PPBV		99
83) 4-ETHYLTOLUENE	17.55	105	13389	0.21	PPBV		99
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	14964	0.27	PPBV		96
86) 1,2,4-TRIMETHYLBENZENE	18.09	105	48884	0.95	PPBV	#	32

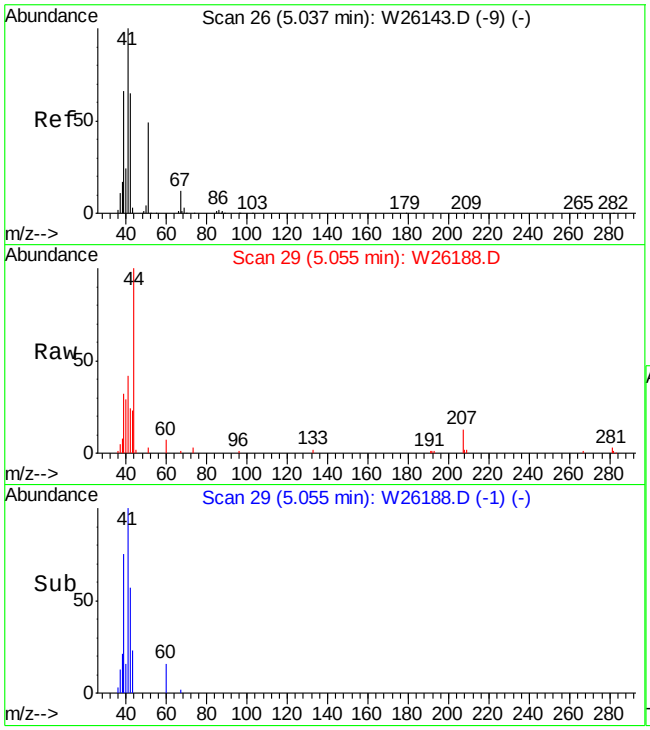
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26188.D Vial: 8
Acq On : 6 May 2010 3:17 pm Operator: YOUMINH
Sample : JA45152-9 Inst : MSW
Misc : MS96200,VW1084,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:07 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

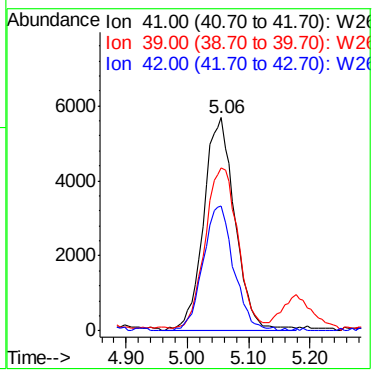


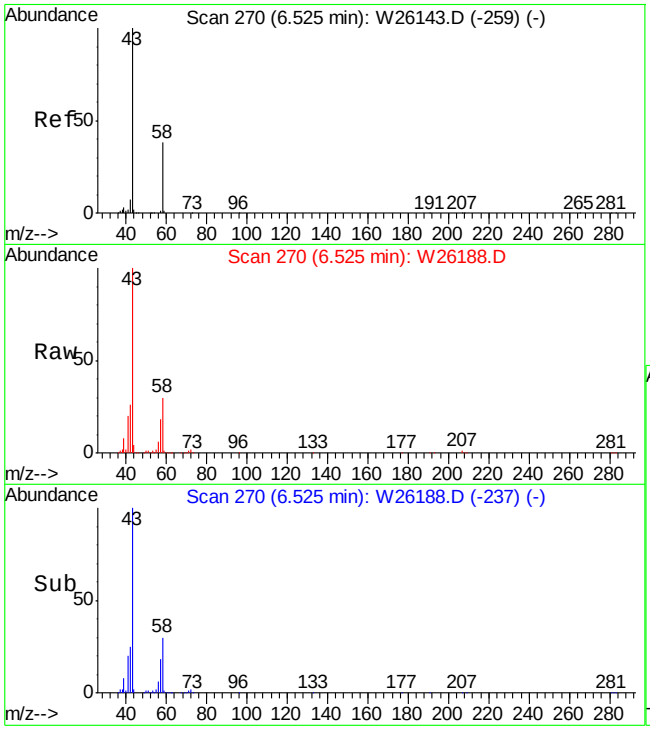


#6
PROPYLENE
Concen: 1.42 PPBV
RT: 5.06 min Scan# 29
Delta R.T. 0.02 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 41 Resp: 20216

Ion	Ratio	Lower	Upper
41	100		
39	76.6	46.3	86.3
42	58.4	45.0	85.0

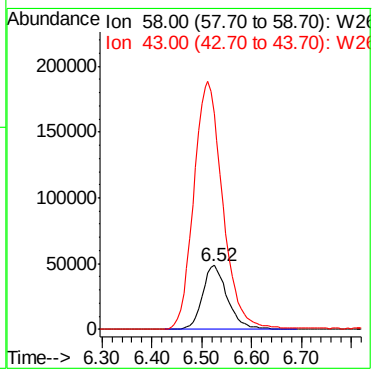


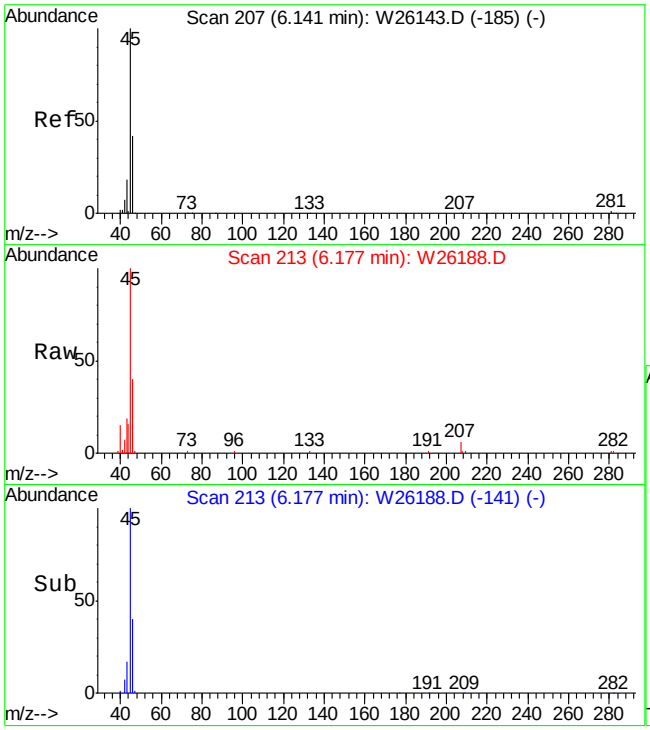


#19
ACETONE
Concen: 22.67 PPBV
RT: 6.52 min Scan# 270
Delta R.T. 0.00 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 58 Resp: 171071

Ion	Ratio	Lower	Upper
58	100		
43	443.7	245.6	285.6#

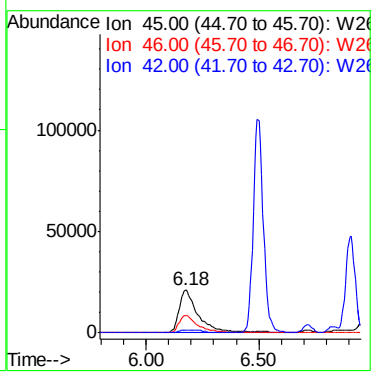


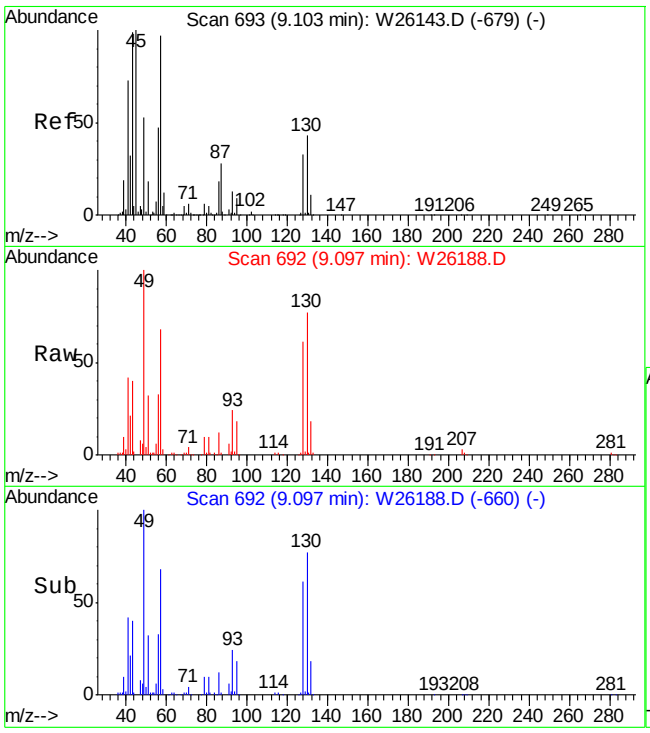


#25
ETHANOL
Concen: 18.95 PPBV
RT: 6.18 min Scan# 213
Delta R.T. 0.04 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 45 Resp: 125773

Ion	Ratio	Lower	Upper
45	100		
46	40.5	20.1	60.1
42	0.0	0.0	27.0

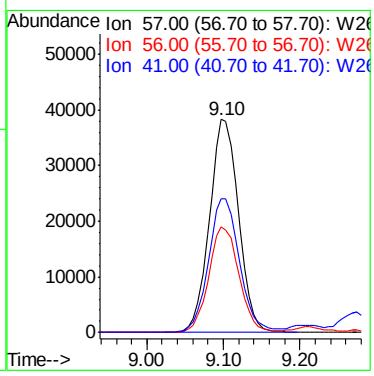


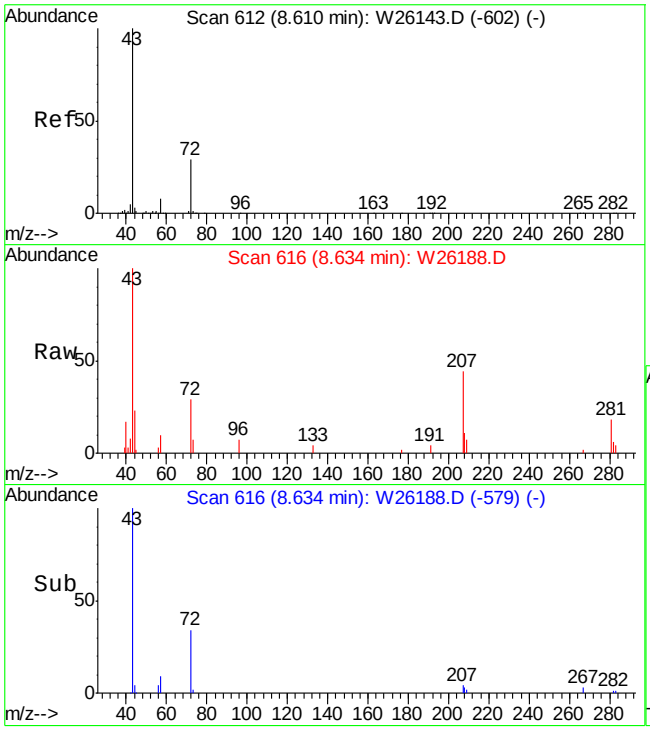


#34
HEXANE
Concen: 3.26 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 57 Resp: 101068

Ion	Ratio	Lower	Upper
57	100		
56	51.6	29.5	69.5
41	67.1	64.9	104.9

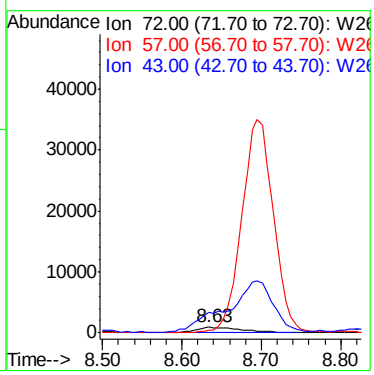


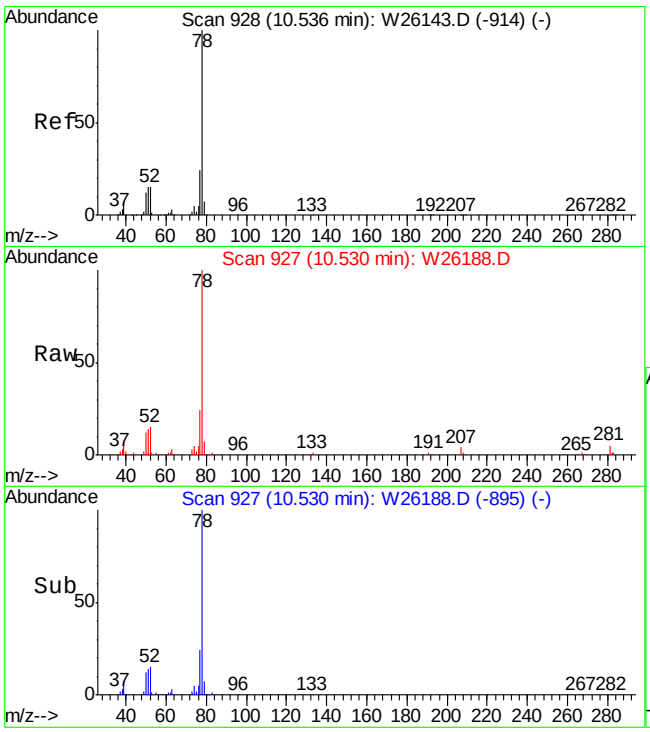


#37
METHYL ETHYL KETONE
Concen: 0.50 PPBV
RT: 8.63 min Scan# 616
Delta R.T. 0.02 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 72 Resp: 3757

Ion	Ratio	Lower	Upper
72	100		
57	35.6	8.0	48.0
43	348.0	331.8	371.8

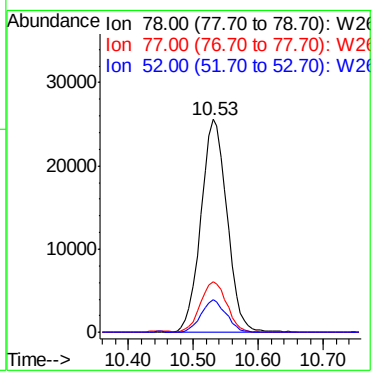


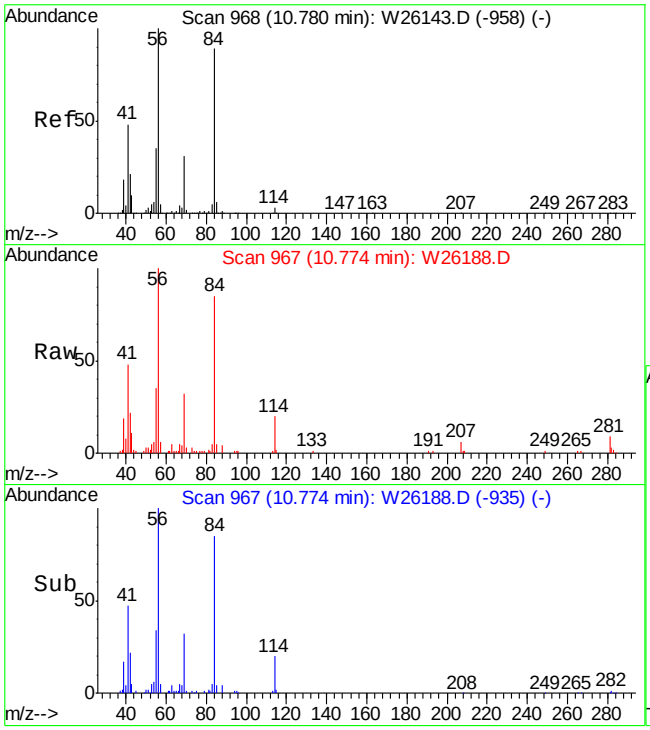


#47
BENZENE
Concen: 1.17 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 78 Resp: 72171

Ion	Ratio	Lower	Upper
78	100		
77	24.2	3.5	43.5
52	14.7	0.0	34.8

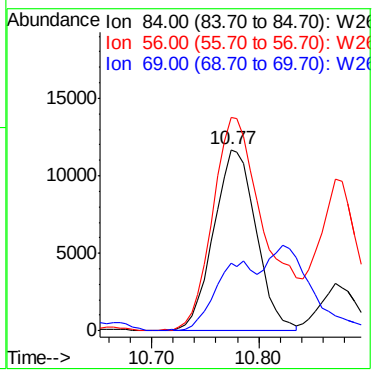


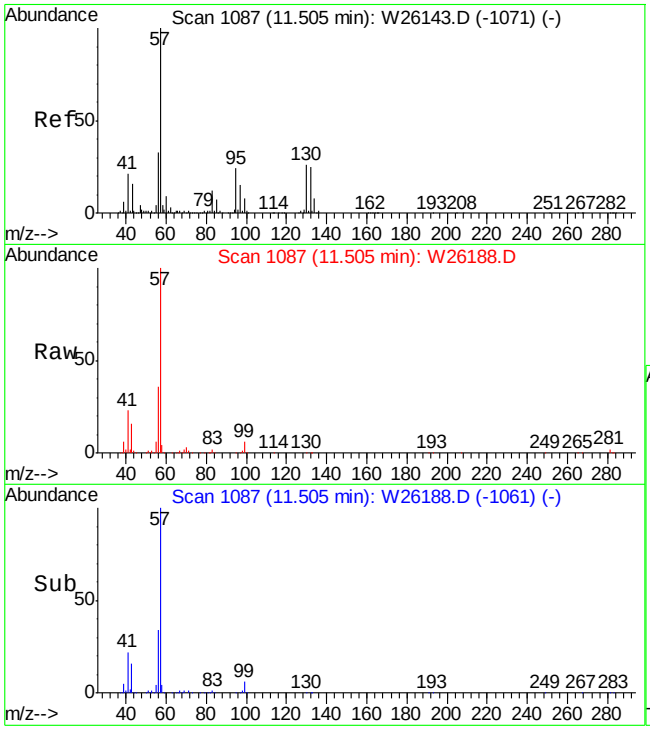


#48
CYCLOHEXANE
Concen: 1.08 PPBV
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 84 Resp: 32272

Ion	Ratio	Lower	Upper
84	100		
56	145.1	96.4	136.4#
69	36.1	19.6	59.6

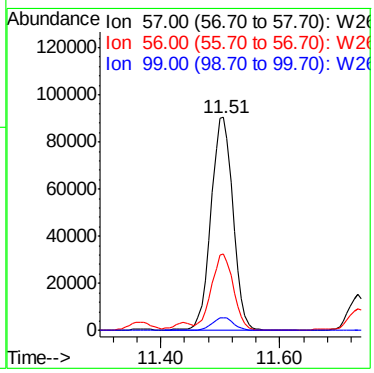


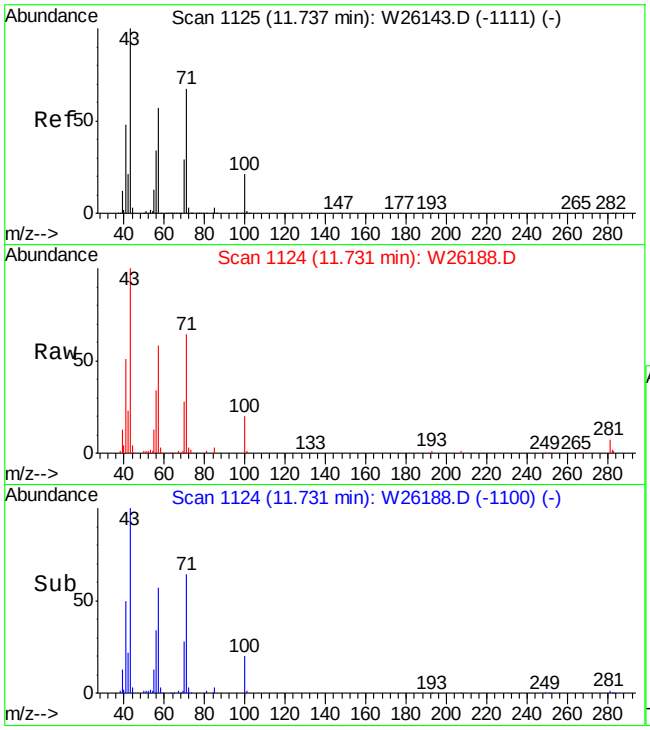


#53
2,2,4-TRIMETHYLPENTANE
Concen: 2.27 PPBV
RT: 11.51 min Scan# 1087
Delta R.T. 0.00 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 57 Resp: 231821

Ion	Ratio	Lower	Upper
57	100		
56	35.8	13.0	53.0
99	6.0	0.0	28.3

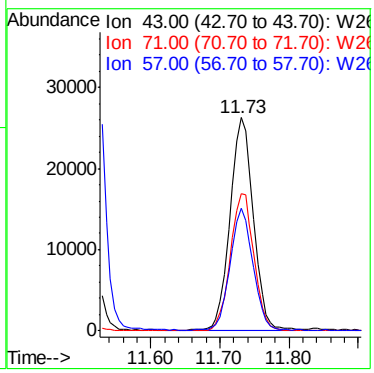


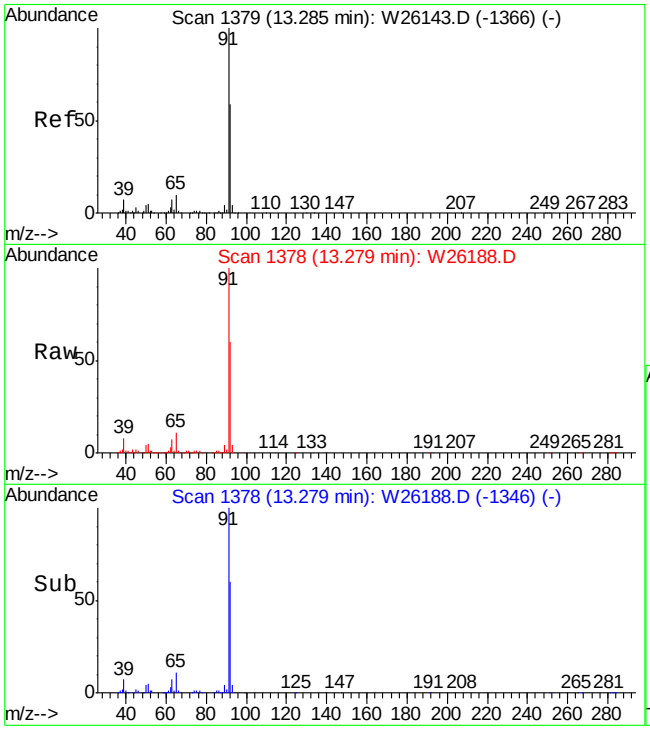


#56
HEPTANE
Concen: 1.66 PPBV
RT: 11.73 min Scan# 1124
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 43 Resp: 61336

Ion	Ratio	Lower	Upper
43	100		
71	65.4	45.5	85.5
57	57.4	36.6	76.6

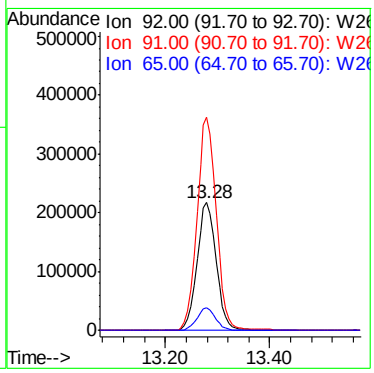


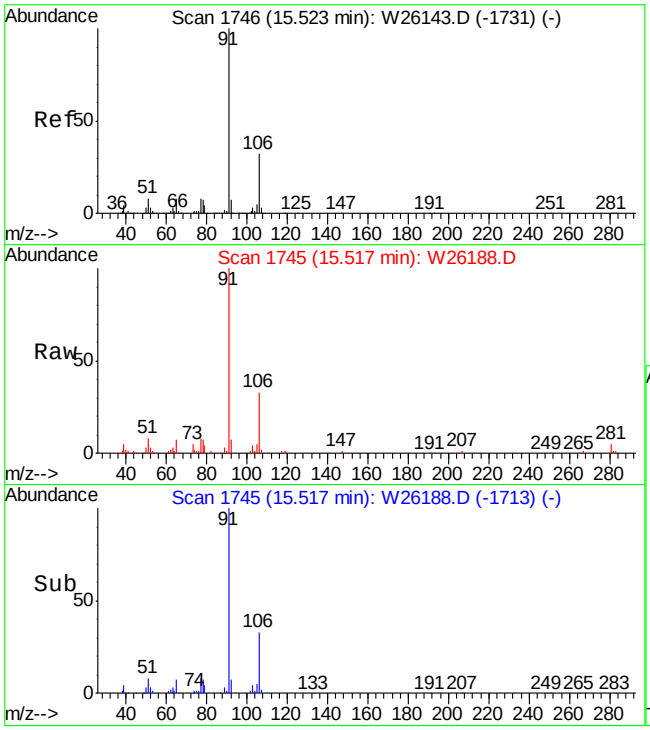


#60
TOLUENE
Concen: 13.13 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 92 Resp: 557604

Ion	Ratio	Lower	Upper
92	100		
91	167.7	148.1	188.1
65	17.5	0.0	37.4

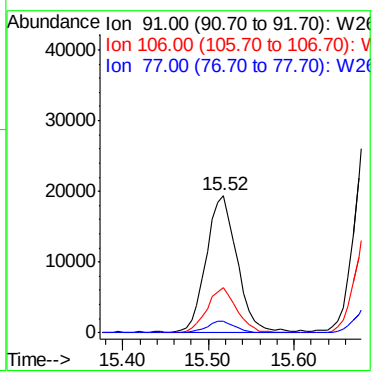


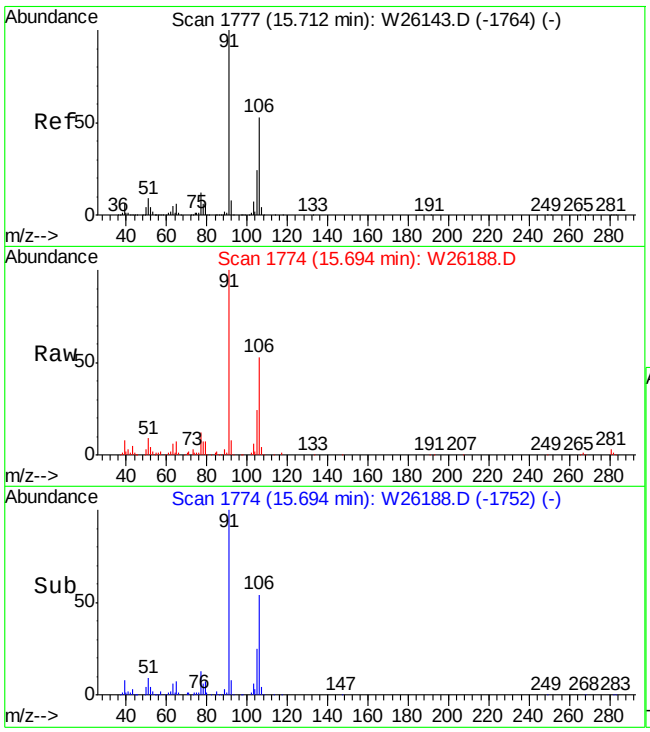


#71
ETHYLBENZENE
Concen: 0.60 PPBV
RT: 15.52 min Scan# 1745
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion: 91 Resp: 47697

Ion	Ratio	Lower	Upper
91	100		
106	32.4	12.3	52.3
77	8.0	0.0	27.9

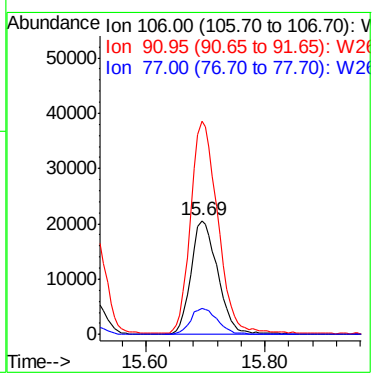


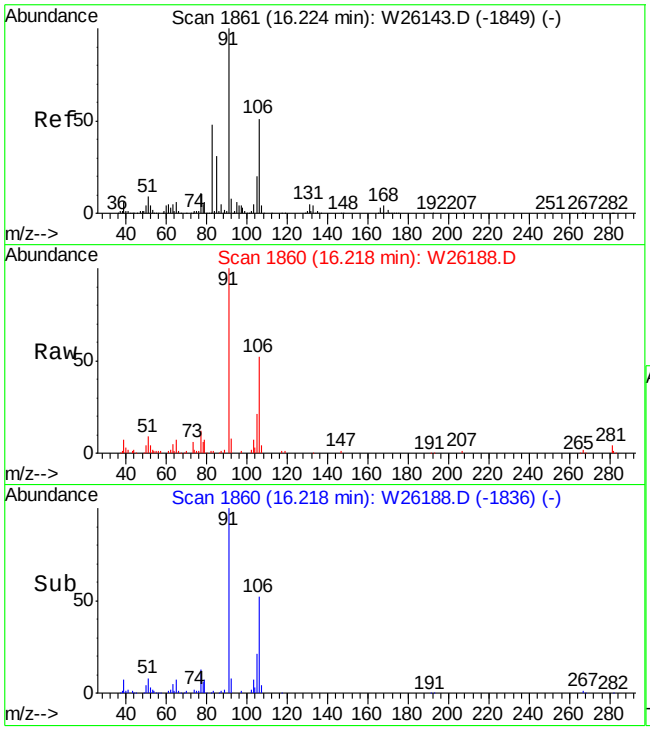


#72
m,p-XYLENE
Concen: 2.08 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion:106 Resp: 64336

Ion	Ratio	Lower	Upper
106	100		
91	186.9	151.9	227.9
77	23.3	18.7	28.1

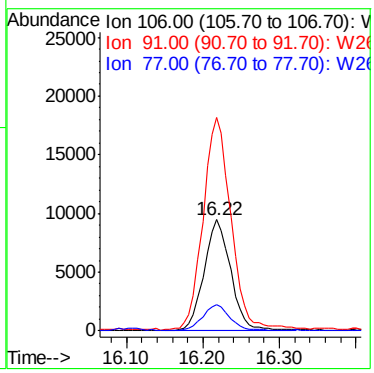


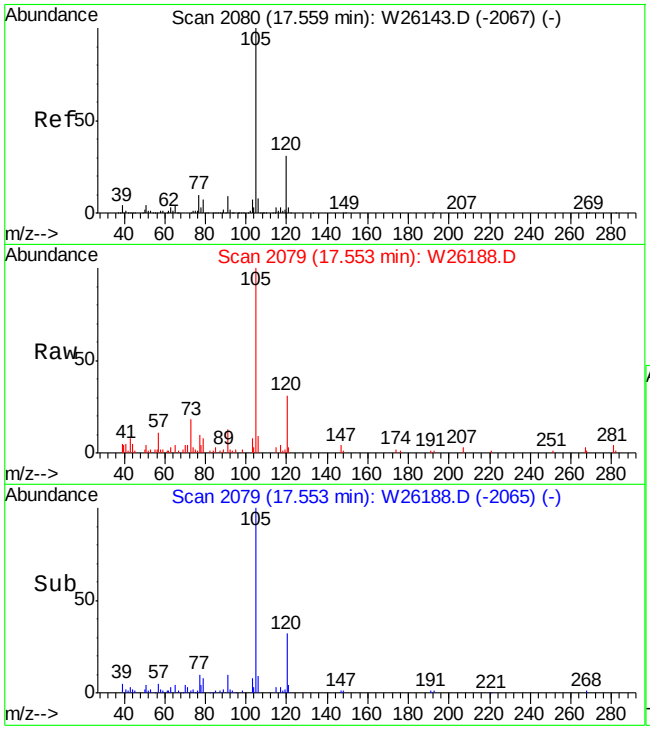


#73
o-XYLENE
Concen: 0.77 PPBV
RT: 16.22 min Scan# 1860
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion:106 Resp: 23093

Ion	Ratio	Lower	Upper
106	100		
91	203.3	181.1	221.1
77	24.0	3.6	43.6

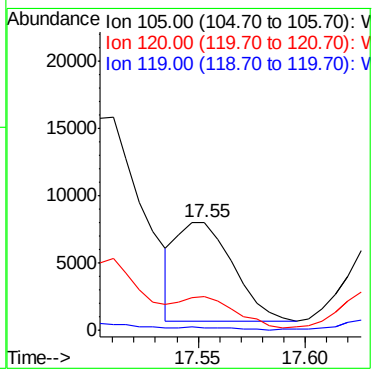


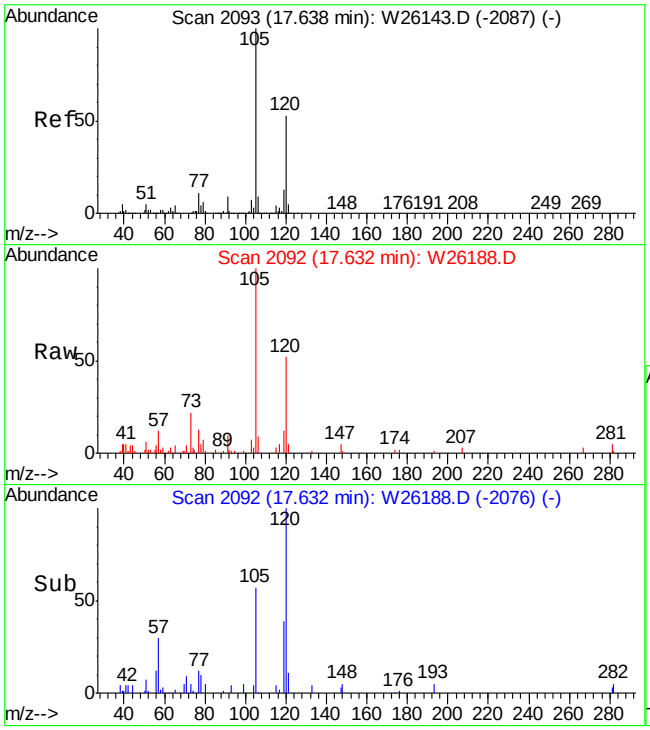


#83
4-ETHYLTOLUENE
Concen: 0.21 PPBV
RT: 17.55 min Scan# 2079
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion:105 Resp: 13389

Ion	Ratio	Lower	Upper
105	100		
120	30.7	10.4	50.4
119	1.9	0.0	22.4

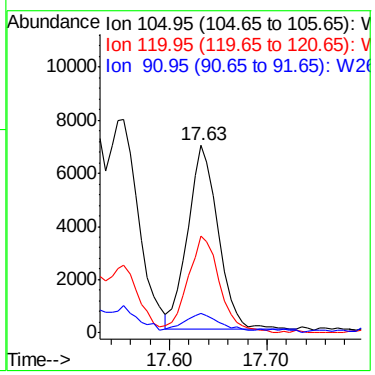


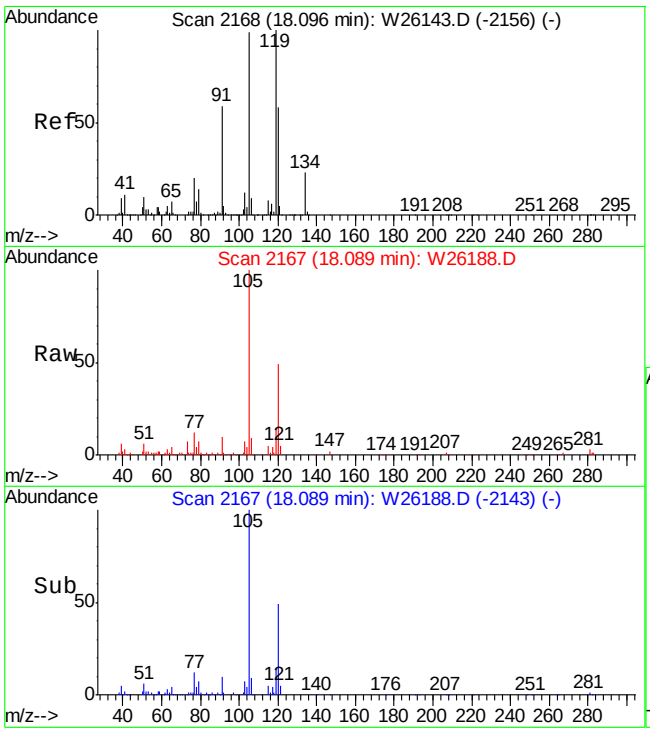


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.27 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion:105 Resp: 14964

Ion	Ratio	Lower	Upper
105	100		
120	55.9	32.8	72.8
91	10.2	0.0	29.3

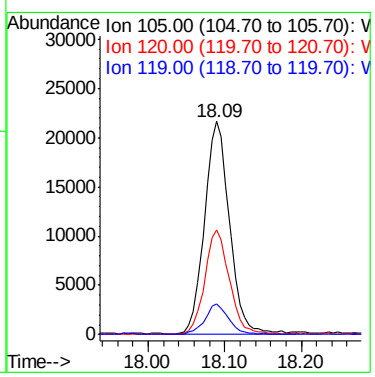




#86
1,2,4-TRIMETHYLBENZENE
Concen: 0.95 PPBV
RT: 18.09 min Scan# 2167
Delta R.T. -0.01 min
Lab File: W26188.D
Acq: 6 May 2010 3:17 pm

Tgt Ion:105 Resp: 48884

Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.9	78.9
119	13.9	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26179.D Vial: 5
Acq On : 6 May 2010 6:50 am Operator: YOUMINH
Sample : JA45152-10 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:52 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

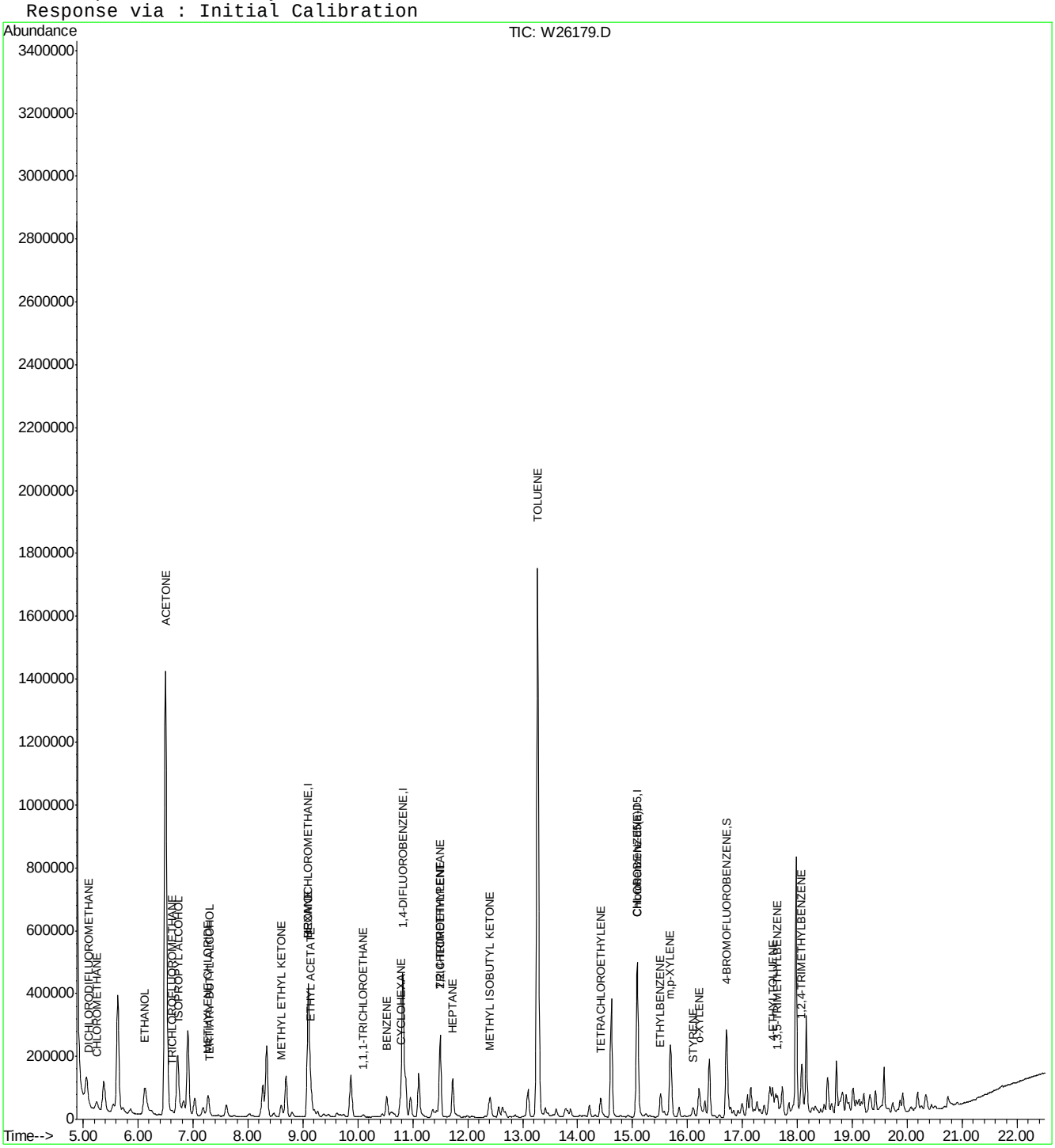
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	126384	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	574314	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	240944	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	240944	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	128608	5.52	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 110.40%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.10	85	19925	0.46	PPBV		98
8) CHLOROMETHANE	5.26	52	2789	0.53	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.63	101	11564	0.27	PPBV		97
18) ISOPROPYL ALCOHOL	6.74	45	127416	4.37	PPBV		98
19) ACETONE	6.50	58	584338	72.83	PPBV	#	67
25) ETHANOL	6.12	45	224943	31.87	PPBV	#	97
27) METHYLENE CHLORIDE	7.26	84	9931	0.59	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.30	59	5374	0.15	PPBV	#	66
34) HEXANE	9.10	57	115661	3.51	PPBV		86
37) METHYL ETHYL KETONE	8.60	72	23172	2.89	PPBV	#	84
40) ETHYL ACETATE	9.14	61	21878	4.03	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.10	97	4496	0.12	PPBV		98
47) BENZENE	10.52	78	89568	1.51	PPBV		100
48) CYCLOHEXANE	10.77	84	31645	1.10	PPBV		92
50) TRICHLOROETHYLENE	11.49	95	1148	0.05	PPBV		92
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	310498	3.16	PPBV		96
56) HEPTANE	11.72	43	64762	1.82	PPBV		96
58) METHYL ISOBUTYL KETONE	12.40	43	34364	1.07	PPBV		99
60) TOLUENE	13.27	92	1142674	27.92	PPBV		99
65) TETRACHLOROETHYLENE	14.42	164	23160	0.87	PPBV		99
71) ETHYLBENZENE	15.51	91	87537	1.14	PPBV		100
72) m,p-XYLENE	15.69	106	116986	3.89	PPBV		98
73) o-XYLENE	16.21	106	38232	1.31	PPBV		98
74) STYRENE	16.10	104	5215	0.14	PPBV		97
83) 4-ETHYLTOLUENE	17.55	105	26930	0.43	PPBV		98
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	31744	0.58	PPBV		98
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	100368	2.02	PPBV	#	32

(#) = qualifier out of range (m) = manual integration (+) = signals summed

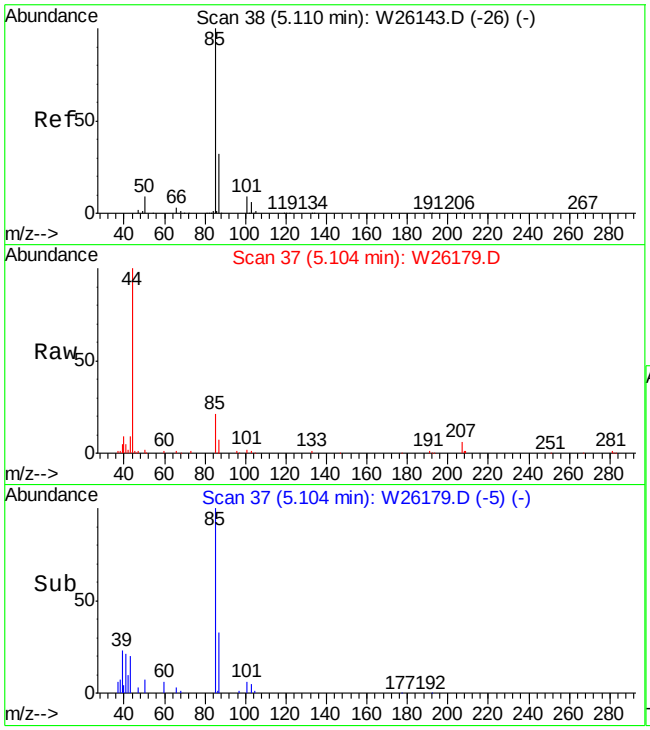
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26179.D Vial: 5
Acq On : 6 May 2010 6:50 am Operator: YOUMINH
Sample : JA45152-10 Inst : MSW
Misc : MS96200,VW1082,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:27 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



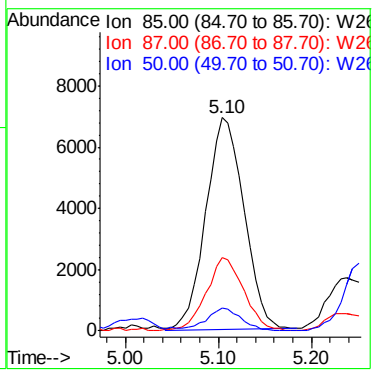
W26179.D MW1082.M Thu May 06 10:29:32 2010 MSW Page 2

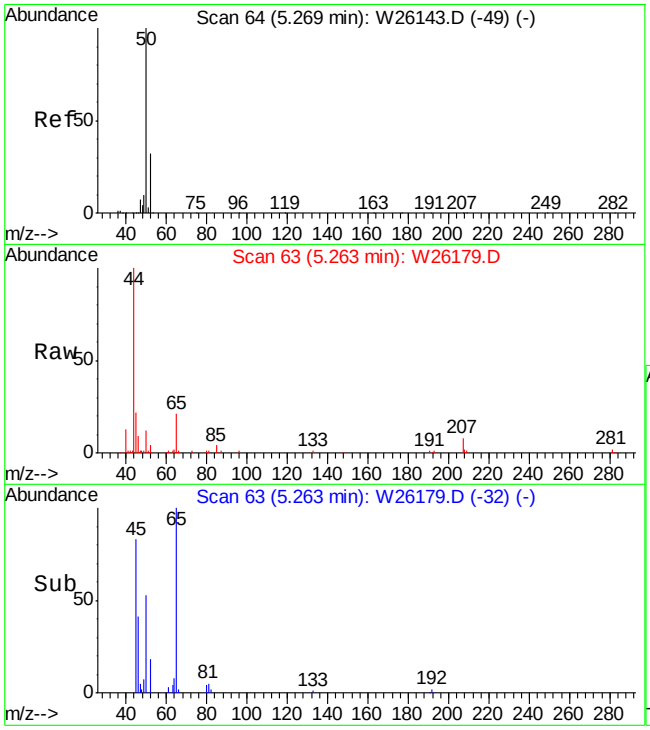


#5
DICHLORODIFLUOROMETHANE
Concen: 0.46 PPBV
RT: 5.10 min Scan# 37
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 85 Resp: 19925

Ion	Ratio	Lower	Upper
85	100		
87	33.8	12.3	52.3
50	10.0	0.0	29.8

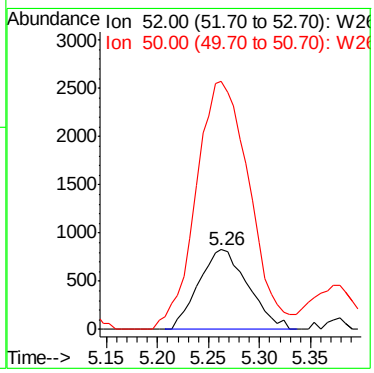


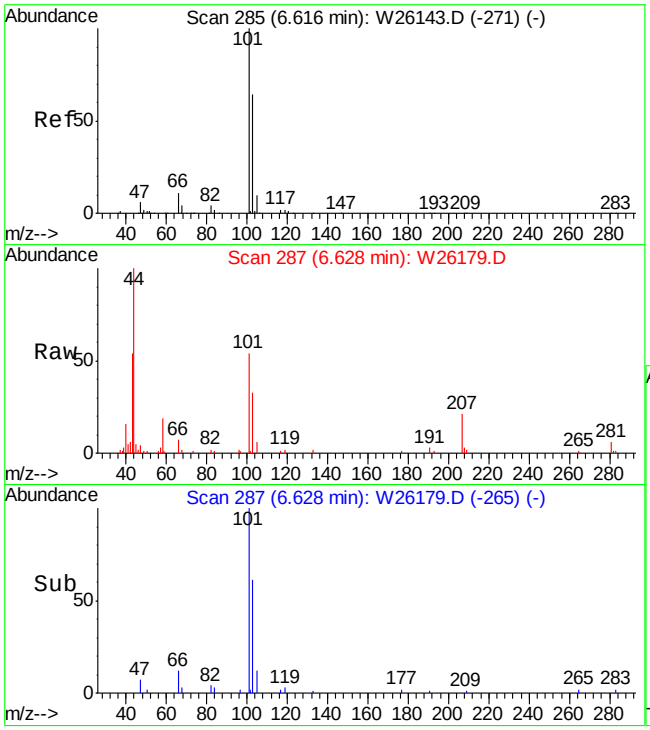


#8
CHLOROMETHANE
Concen: 0.53 PPBV
RT: 5.26 min Scan# 63
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 52 Resp: 2789

Ion	Ratio	Lower	Upper
52	100		
50	293.3	289.7	329.7

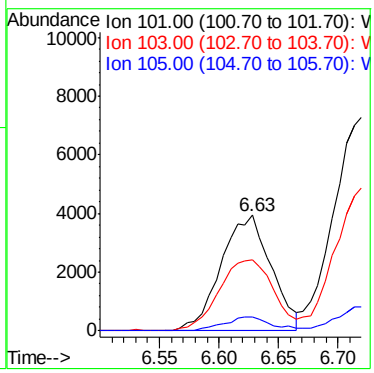


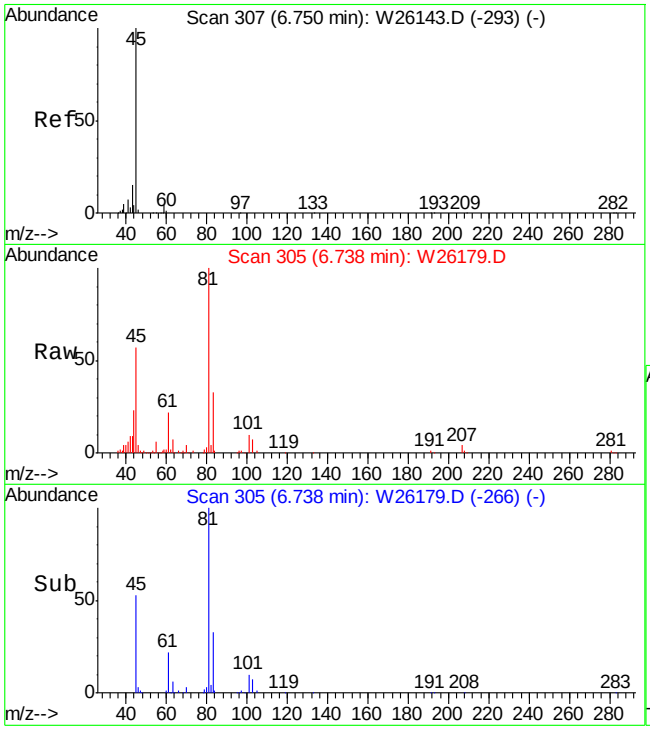


#17
TRICHLOROFLUOROMETHANE
Concen: 0.27 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:101 Resp: 11564

Ion	Ratio	Lower	Upper
101	100		
103	66.7	44.6	84.6
105	11.5	0.0	30.3

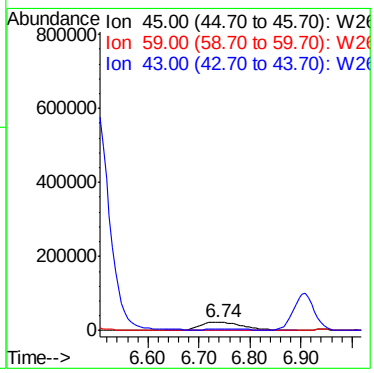


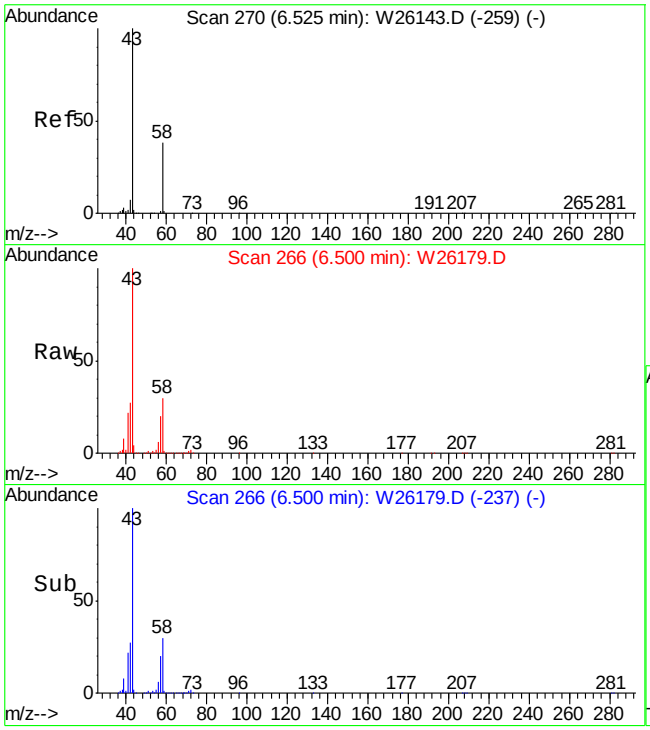


#18
ISOPROPYL ALCOHOL
Concen: 4.37 PPBV
RT: 6.74 min Scan# 305
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 45 Resp: 127416

Ion	Ratio	Lower	Upper
45	100		
59	3.8	0.0	24.5
43	16.6	0.0	35.9

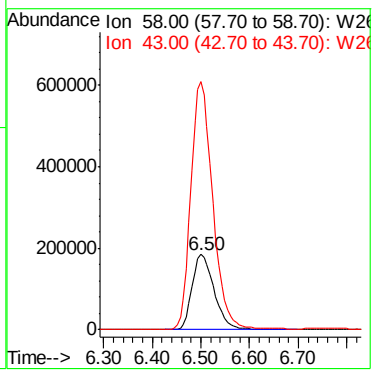


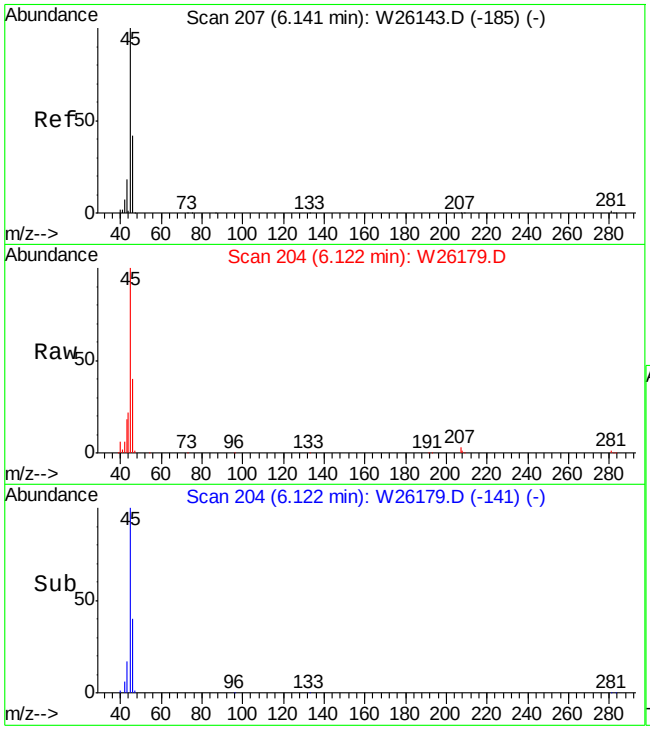


#19
ACETONE
Concen: 72.83 PPBV
RT: 6.50 min Scan# 266
Delta R.T. -0.02 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 58 Resp: 584338

Ion	Ratio	Lower	Upper
58	100		
43	325.4	245.6	285.6#

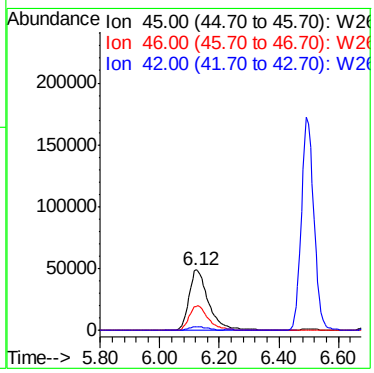


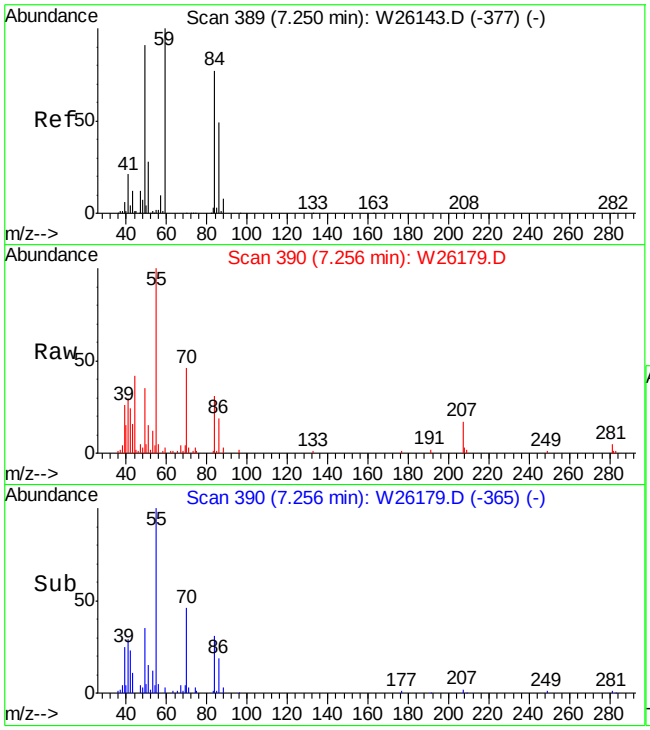


#25
ETHANOL
Concen: 31.87 PPBV
RT: 6.12 min Scan# 204
Delta R.T. -0.02 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 45 Resp: 224943

Ion	Ratio	Lower	Upper
45	100		
46	40.2	20.1	60.1
42	0.0	0.0	27.0

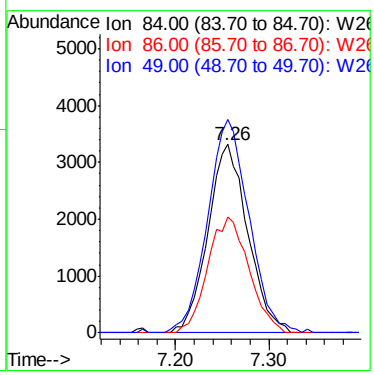


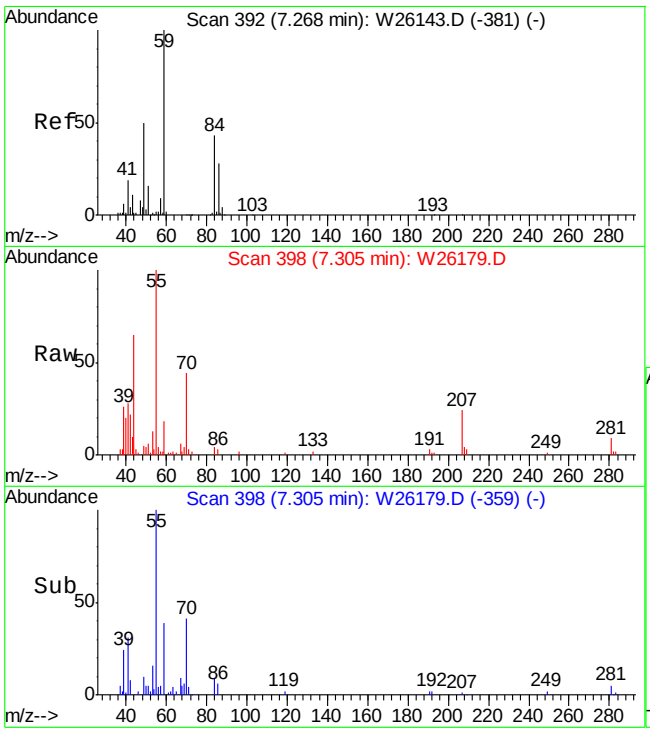


#27
METHYLENE CHLORIDE
Concen: 0.59 PPBV
RT: 7.26 min Scan# 390
Delta R.T. 0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 84 Resp: 9931

Ion	Ratio	Lower	Upper
84	100		
86	63.3	44.2	84.2
49	117.6	0.0	316.5

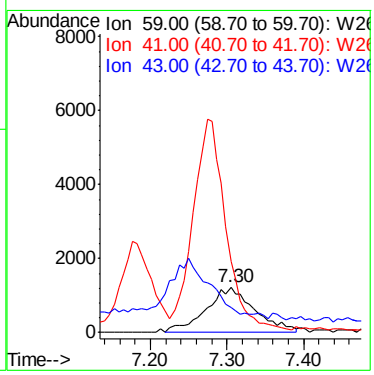


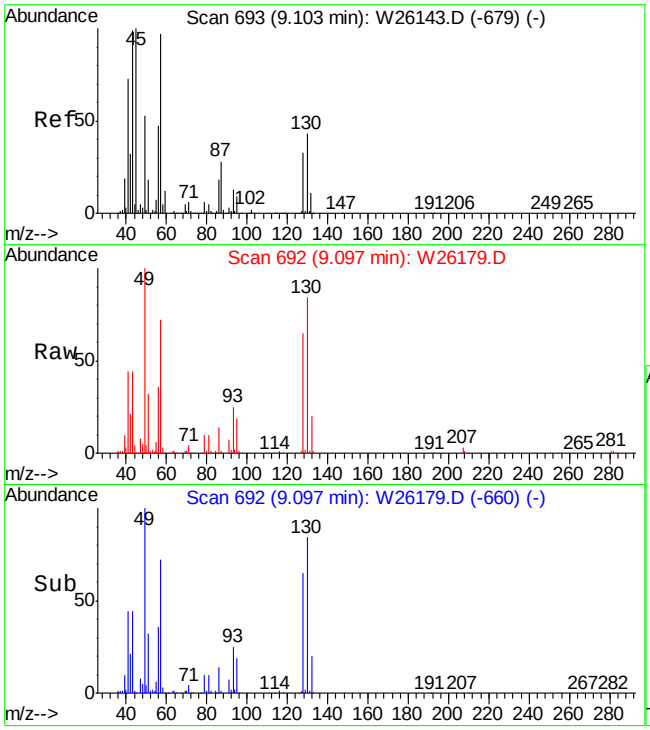


#31
TERTIARY BUTYL ALCOHOL
Concen: 0.15 PPBV
RT: 7.30 min Scan# 398
Delta R.T. 0.04 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 59 Resp: 5374

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	35.4
43	0.0	0.0	31.4

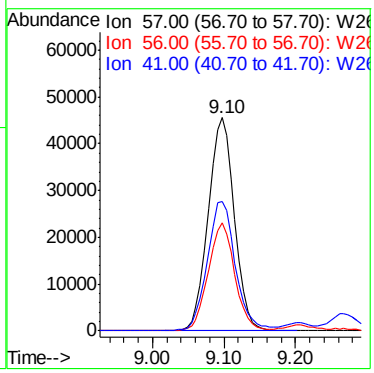


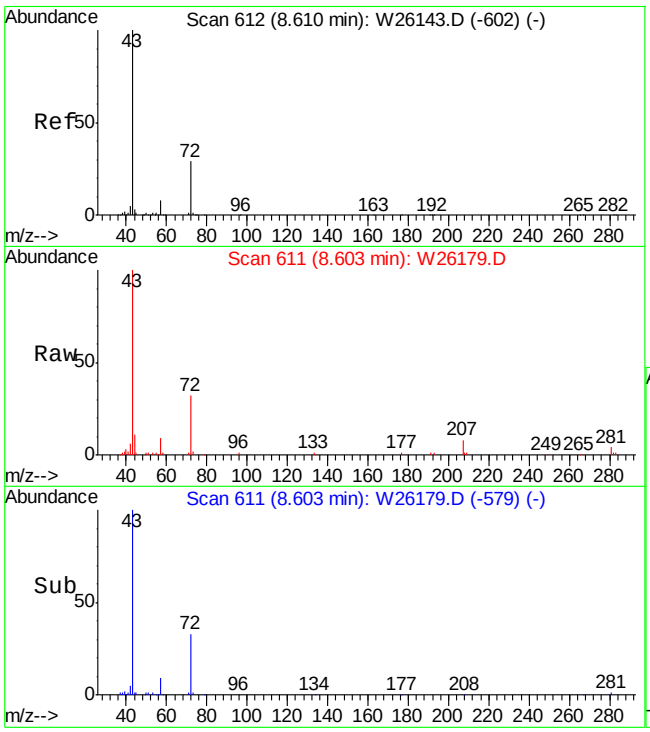


#34
HEXANE
Concen: 3.51 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 57 Resp: 115661

Ion	Ratio	Lower	Upper
57	100		
56	51.3	29.5	69.5
41	65.5	64.9	104.9

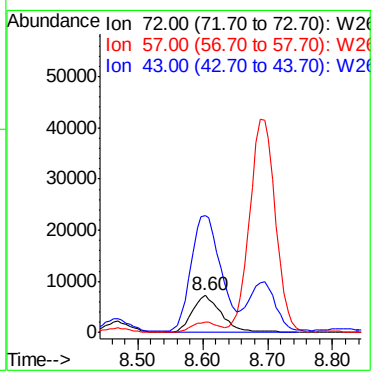


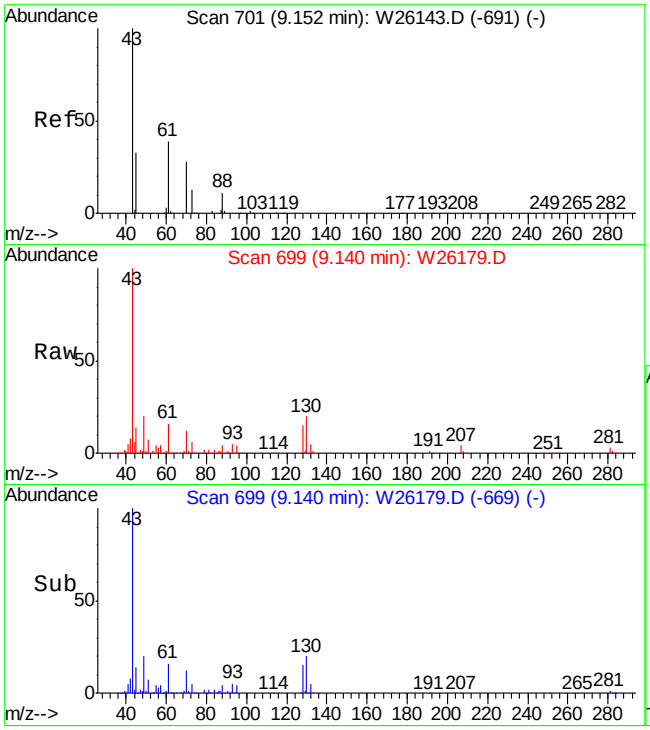


#37
METHYL ETHYL KETONE
Concen: 2.89 PPBV
RT: 8.60 min Scan# 611
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 72 Resp: 23172

Ion	Ratio	Lower	Upper
72	100		
57	28.7	8.0	48.0
43	313.7	331.8	371.8#

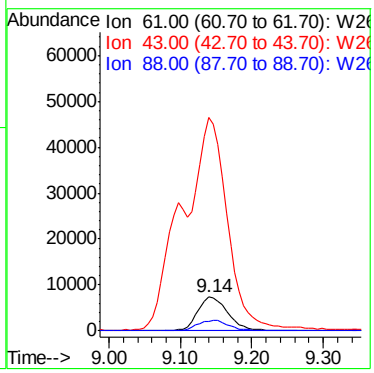


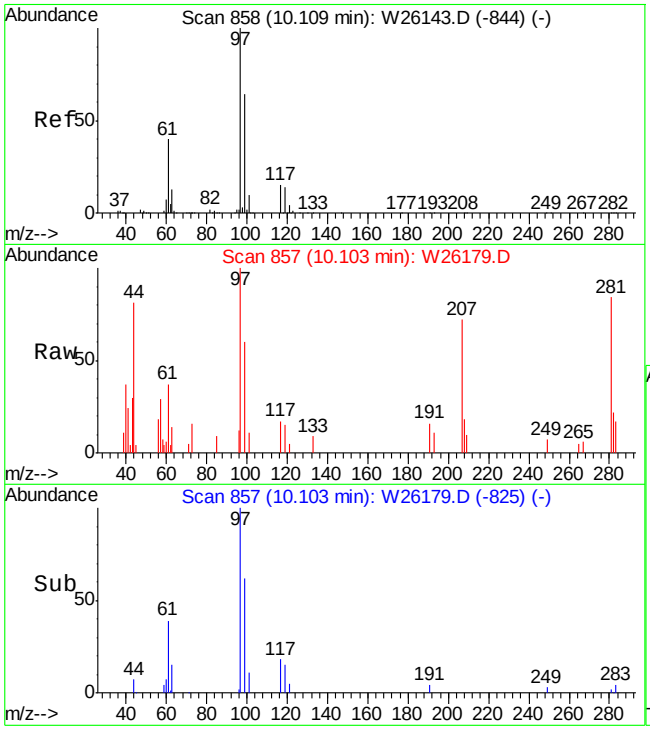


#40
ETHYL ACETATE
Concen: 4.03 PPBV
RT: 9.14 min Scan# 699
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 61 Resp: 21878

Ion	Ratio	Lower	Upper
61	100		
43	646.1	627.5	667.5
88	31.1	28.3	68.3

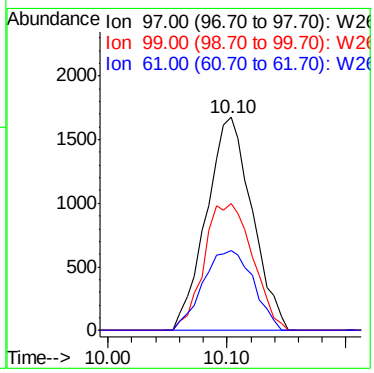


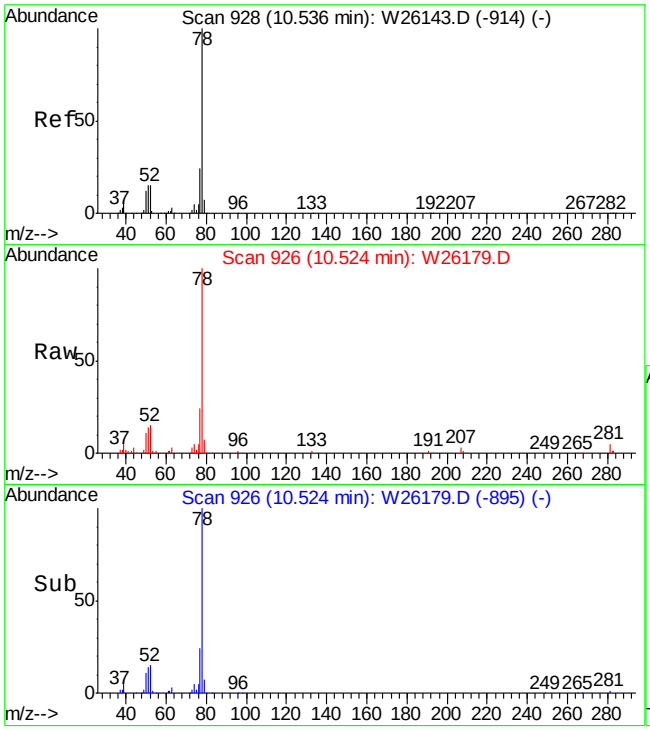


#43
1,1,1-TRICHLOROETHANE
Concen: 0.12 PPBV
RT: 10.10 min Scan# 857
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 97 Resp: 4496

Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.0	84.0
61	41.4	20.2	60.2

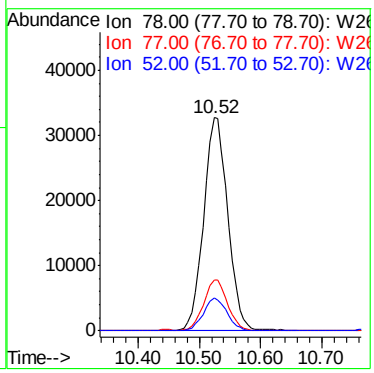


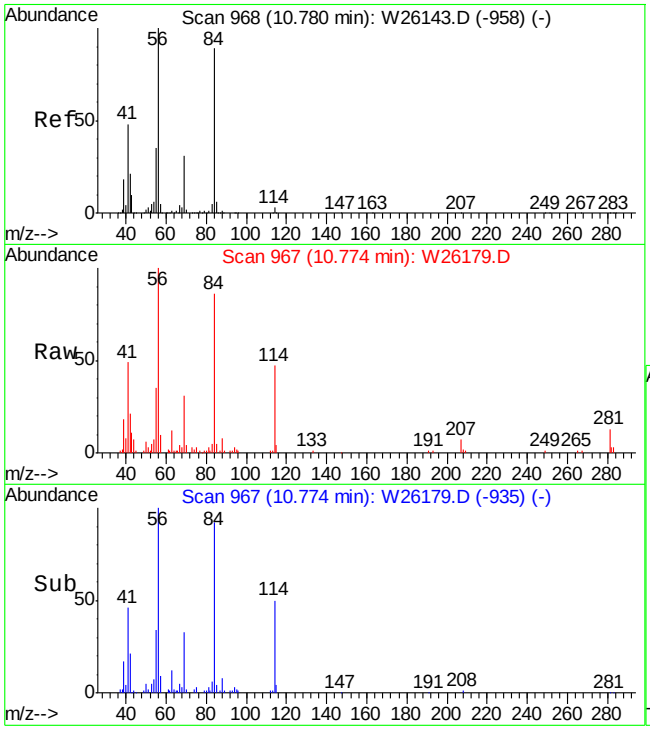


#47
BENZENE
Concen: 1.51 PPBV
RT: 10.52 min Scan# 926
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 78 Resp: 89568

Ion	Ratio	Lower	Upper
78	100		
77	23.5	3.5	43.5
52	15.1	0.0	34.8

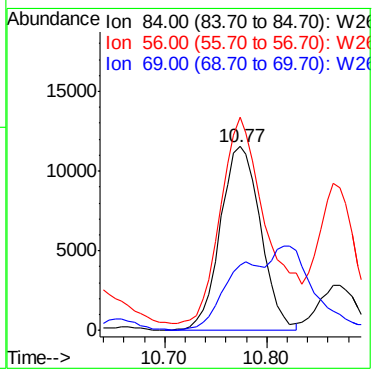


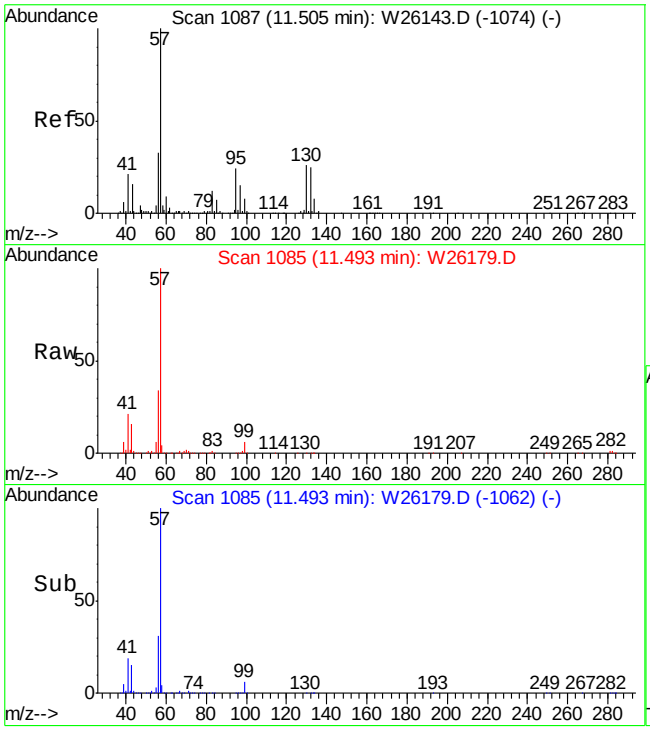


#48
CYCLOHEXANE
Concen: 1.10 PPBV
RT: 10.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 84 Resp: 31645

Ion	Ratio	Lower	Upper
84	100		
56	127.1	96.4	136.4
69	38.2	19.6	59.6

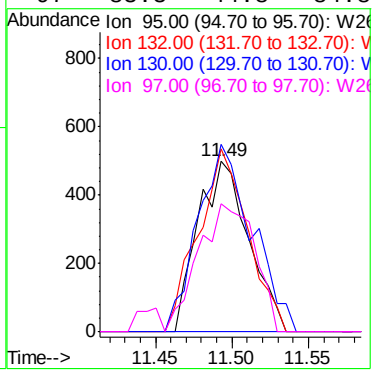


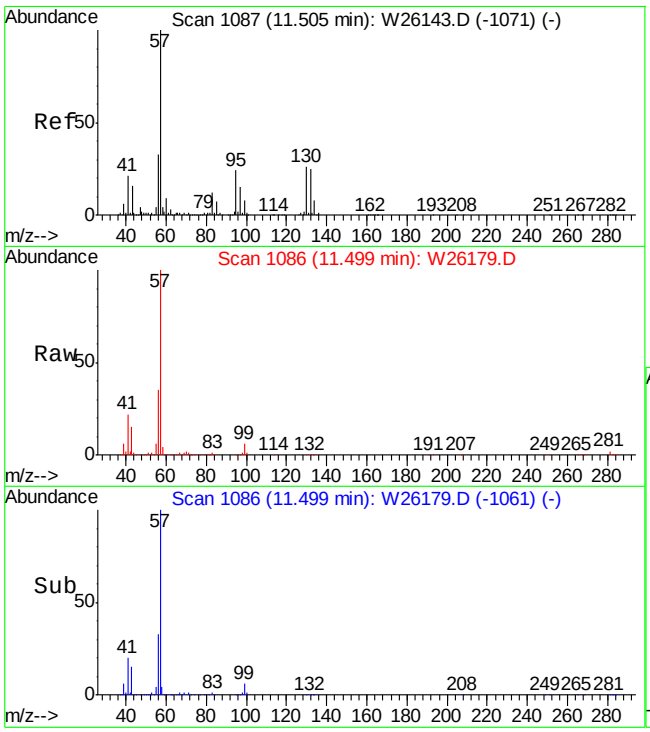


#50
TRICHLOROETHYLENE
Concen: 0.05 PPBV
RT: 11.49 min Scan# 1085
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 95 Resp: 1148

Ion	Ratio	Lower	Upper
95	100		
132	104.8	85.1	125.1
130	116.7	89.6	129.6
97	83.3	44.8	84.8

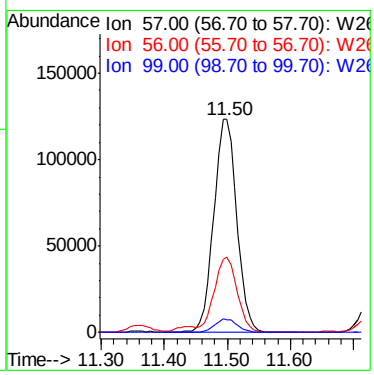


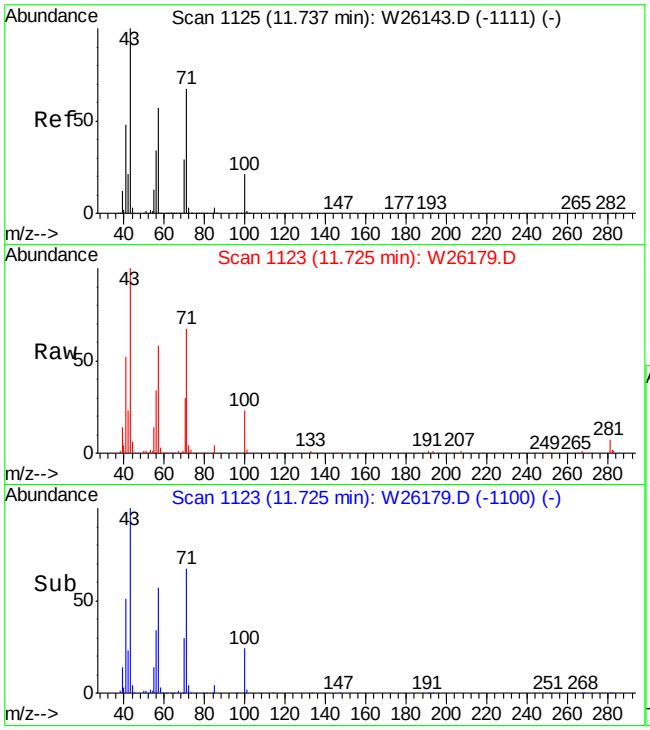


#53
2,2,4-TRIMETHYLPENTANE
Concen: 3.16 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 57 Resp: 310498

Ion	Ratio	Lower	Upper
57	100		
56	35.4	13.0	53.0
99	6.3	0.0	28.3

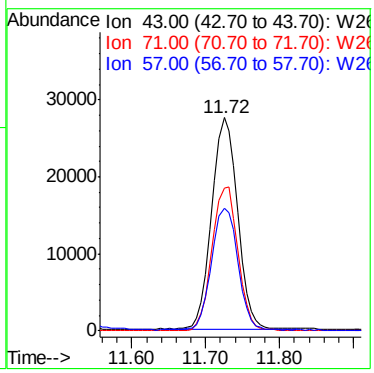


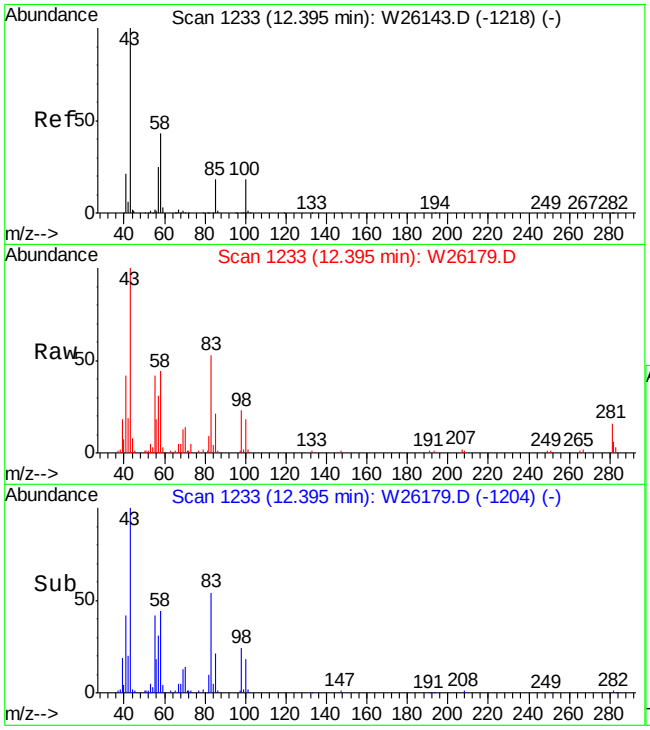


#56
HEPTANE
Concen: 1.82 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 43 Resp: 64762

Ion	Ratio	Lower	Upper
43	100		
71	68.5	45.5	85.5
57	59.4	36.6	76.6

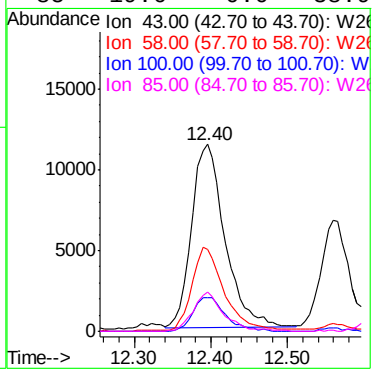


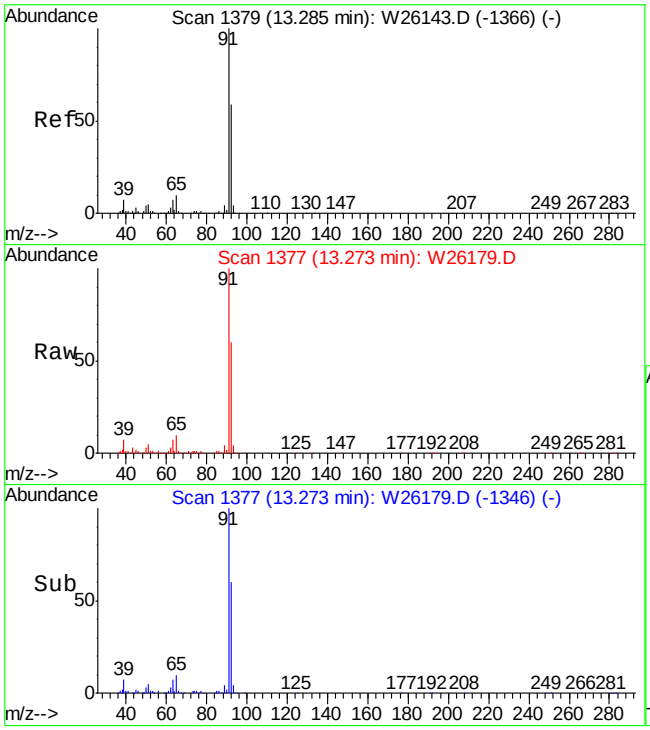


#58
METHYL ISOBUTYL KETONE
Concen: 1.07 PPBV
RT: 12.40 min Scan# 1233
Delta R.T. -0.00 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 43 Resp: 34364

Ion	Ratio	Lower	Upper
43	100		
58	42.8	23.4	63.4
100	18.3	0.0	37.6
85	19.6	0.0	38.9

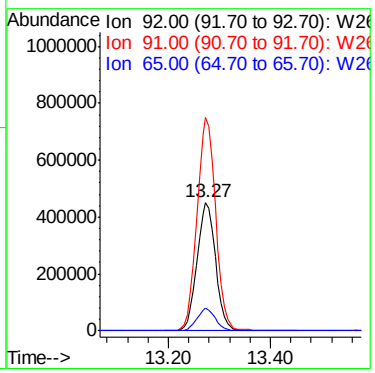


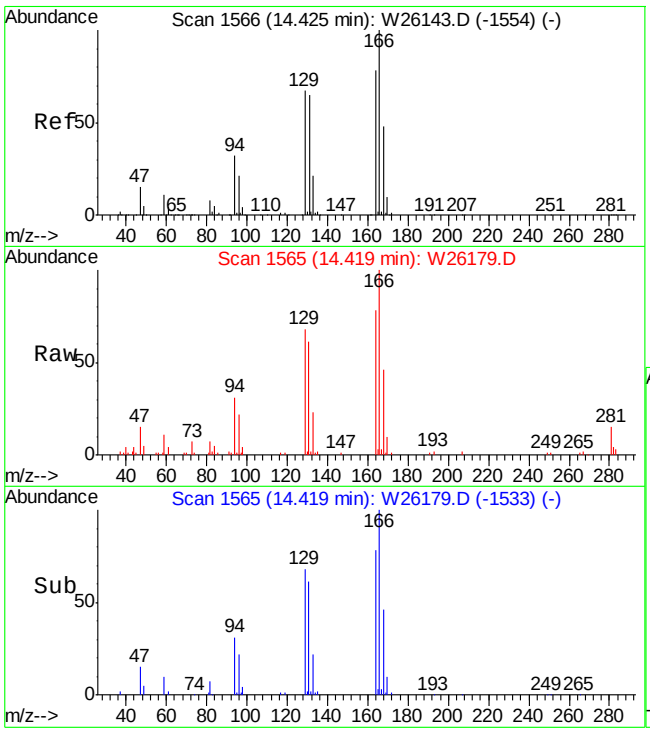


#60
TOLUENE
Concen: 27.92 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 92 Resp: 1142674

Ion	Ratio	Lower	Upper
92	100		
91	167.1	148.1	188.1
65	17.2	0.0	37.4

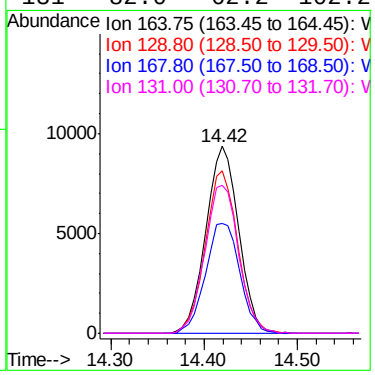


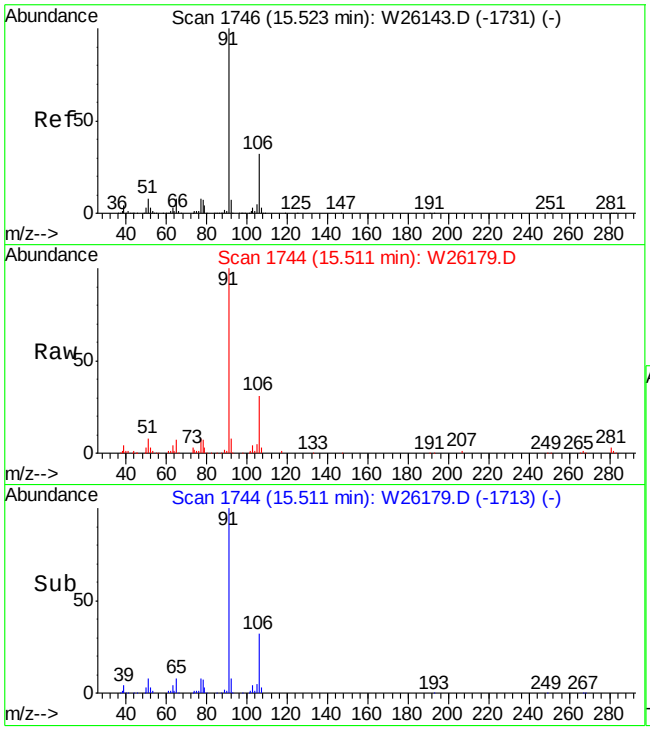


#65
TETRACHLOROETHYLENE
Concen: 0.87 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:164 Resp: 23160

Ion	Ratio	Lower	Upper
164	100		
129	86.0	65.1	105.1
168	61.6	41.4	81.4
131	82.0	62.2	102.2

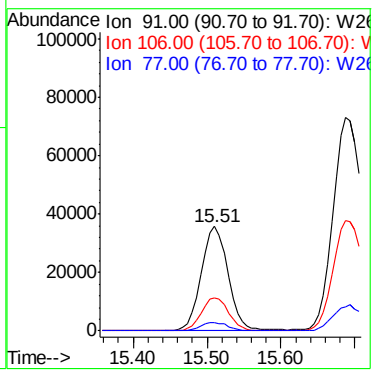


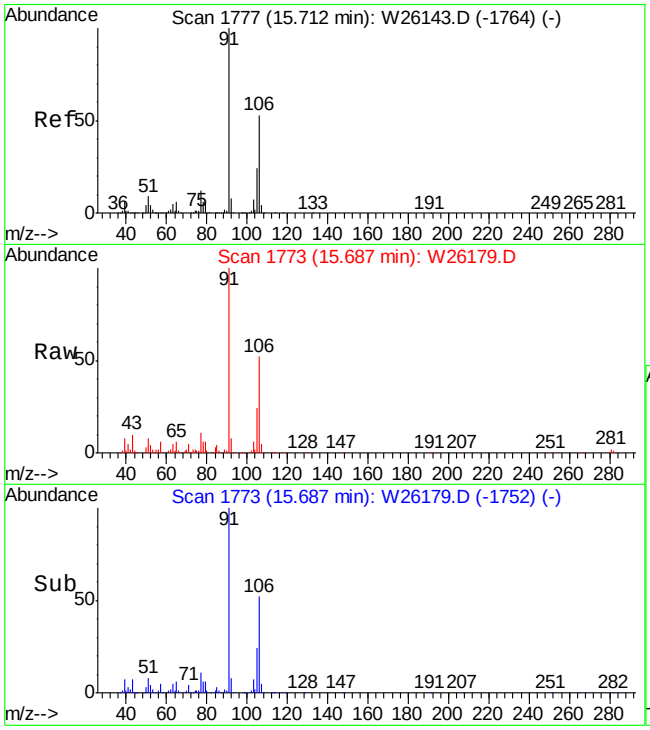


#71
ETHYLBENZENE
Concen: 1.14 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion: 91 Resp: 87537

Ion	Ratio	Lower	Upper
91	100		
106	32.4	12.3	52.3
77	8.3	0.0	27.9

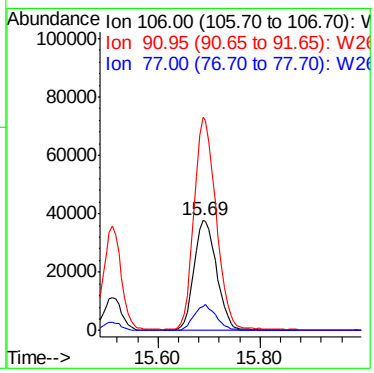


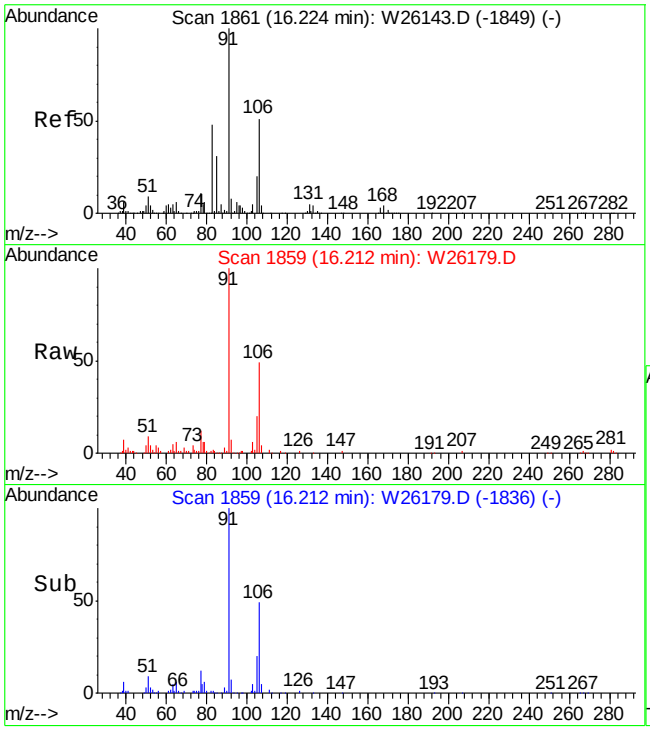


#72
m,p-XYLENE
Concen: 3.89 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:106 Resp: 116986

Ion	Ratio	Lower	Upper
106	100		
91	193.1	151.9	227.9
77	21.8	18.7	28.1

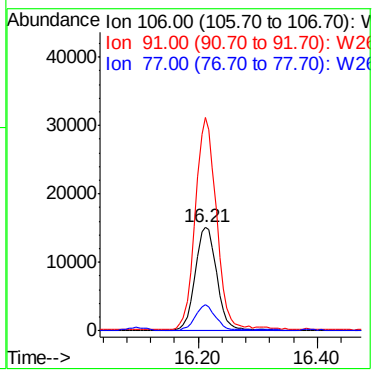


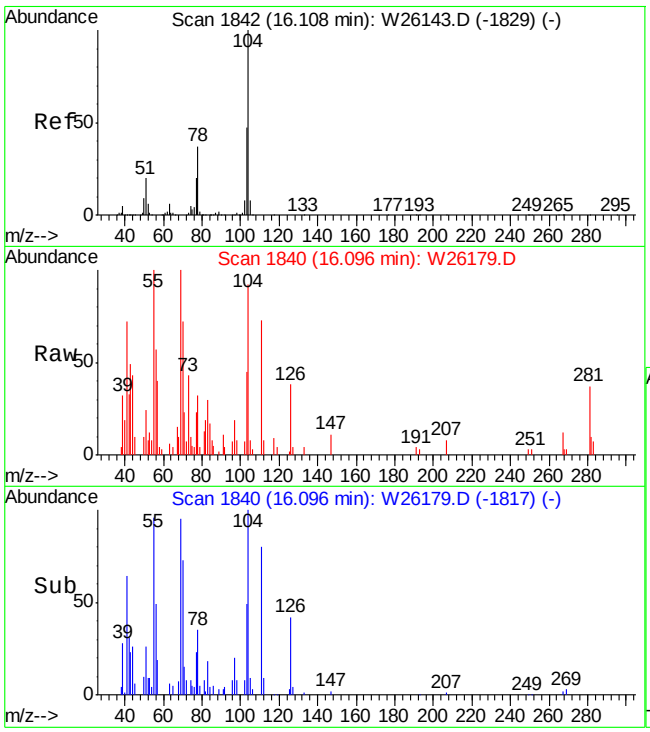


#73
o-XYLENE
Concen: 1.31 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:106 Resp: 38232

Ion	Ratio	Lower	Upper
106	100		
91	198.3	181.1	221.1
77	24.7	3.6	43.6

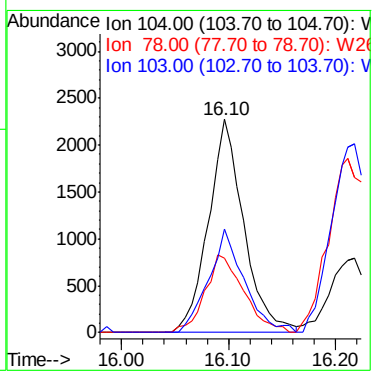


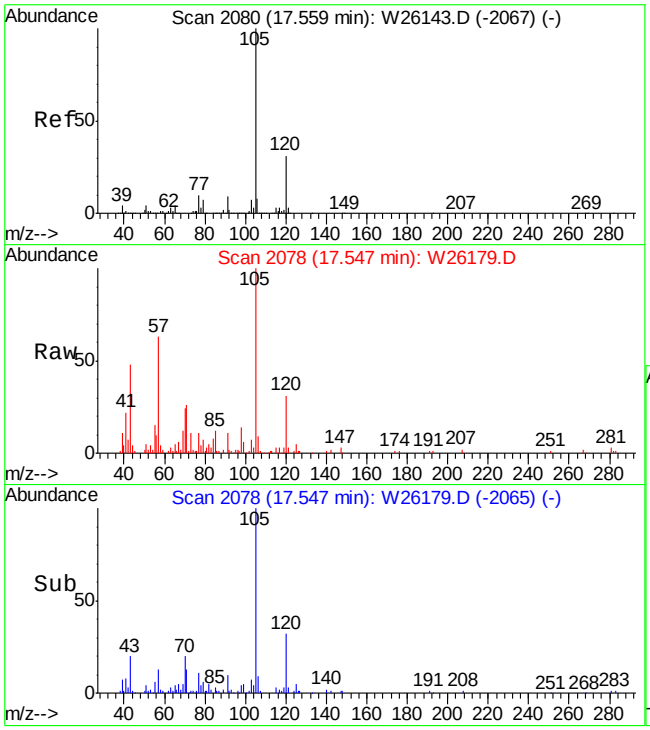


#74
STYRENE
Concen: 0.14 PPBV
RT: 16.10 min Scan# 1840
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:104 Resp: 5215

Ion	Ratio	Lower	Upper
104	100		
78	39.4	17.3	57.3
103	48.9	27.4	67.4

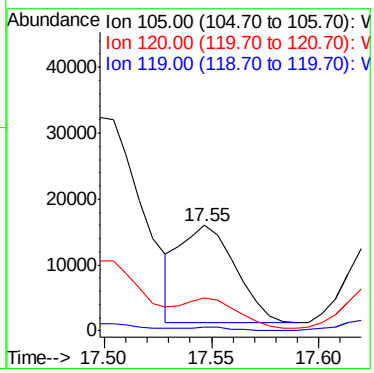


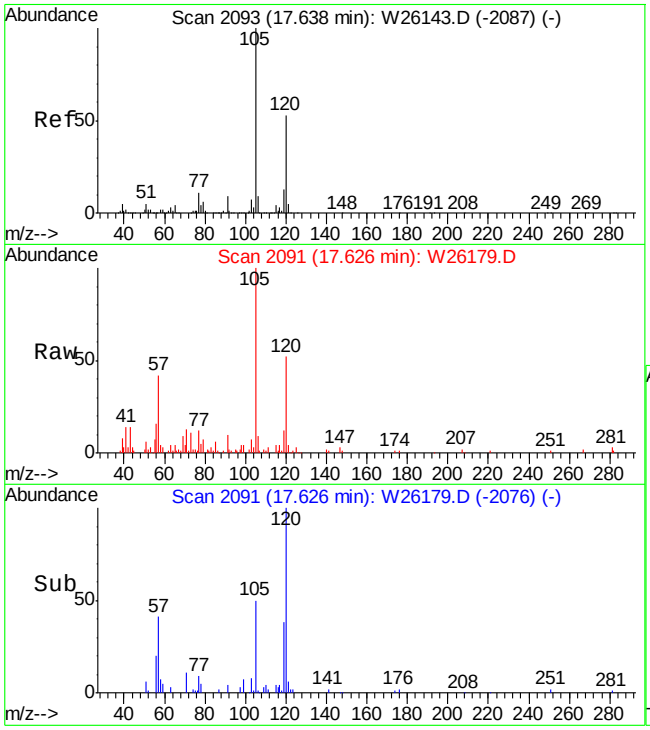


#83
4-ETHYLTOLUENE
Concen: 0.43 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:105 Resp: 26930

Ion	Ratio	Lower	Upper
105	100		
120	31.3	10.4	50.4
119	3.3	0.0	22.4

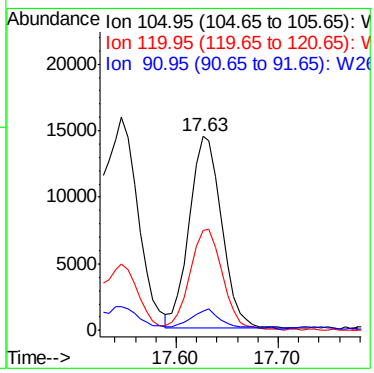


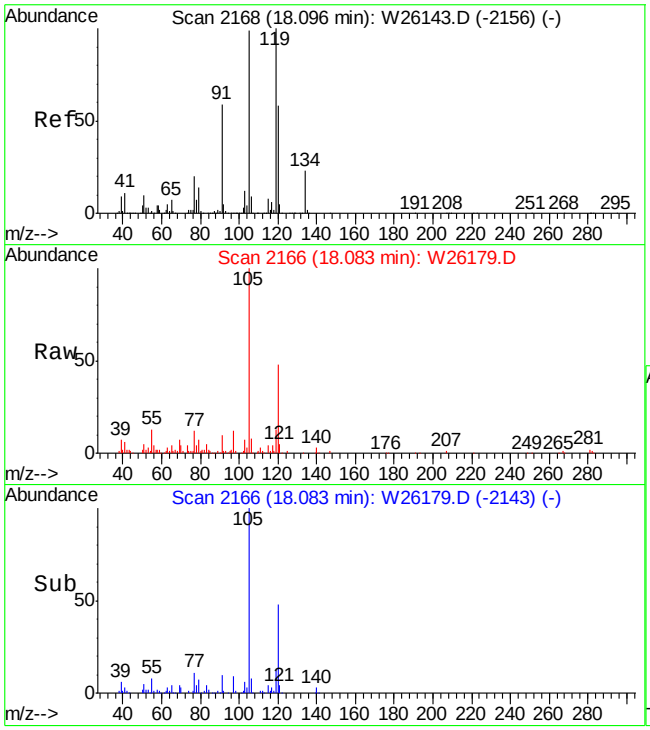


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.58 PPBV
RT: 17.63 min Scan# 2091
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:105 Resp: 31744

Ion	Ratio	Lower	Upper
105	100		
120	54.0	32.8	72.8
91	10.4	0.0	29.3

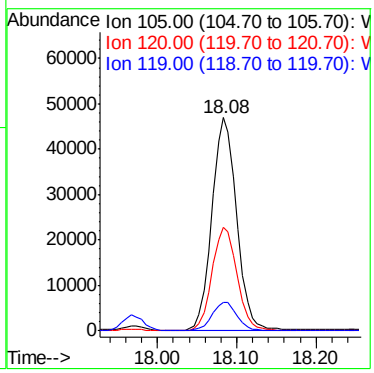




#86
1,2,4-TRIMETHYLBENZENE
Concen: 2.02 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26179.D
Acq: 6 May 2010 6:50 am

Tgt Ion:105 Resp: 100368

Ion	Ratio	Lower	Upper
105	100		
120	49.8	38.9	78.9
119	13.8	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26189.D Vial: 9
Acq On : 6 May 2010 3:58 pm Operator: YOUMINH
Sample : JA45152-10 Inst : MSW
Misc : MS96200,VW1084,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:52:00 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

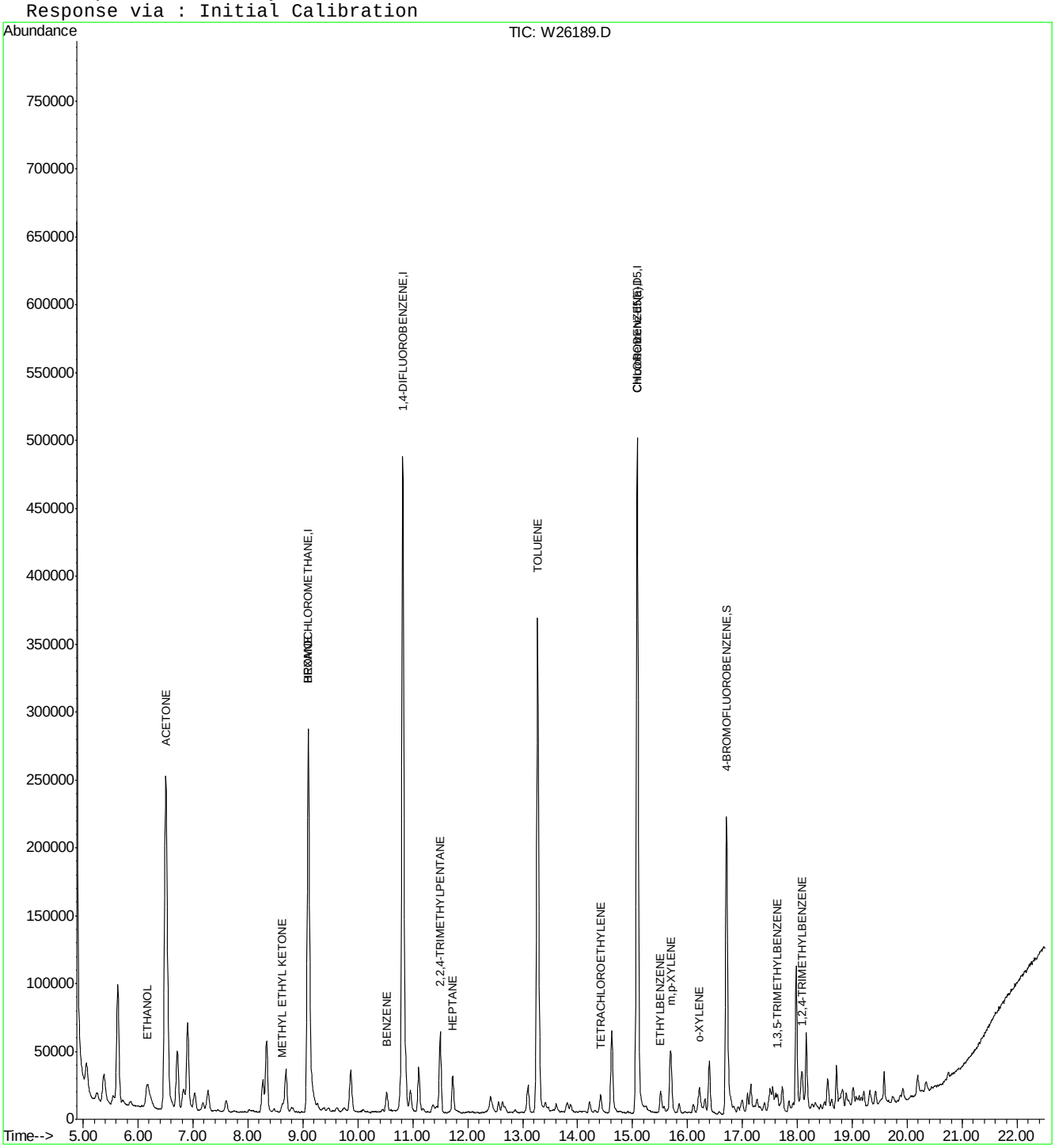
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	120577	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	610005	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	250262	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	250262	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	116709	4.82	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.40%			
Target Compounds						Qvalue
19) ACETONE	6.52	58	119393	15.60	PPBV #	53
25) ETHANOL	6.17	45	56243	8.35	PPBV	96
34) HEXANE	9.10	57	26622	0.85	PPBV	88
37) METHYL ETHYL KETONE	8.63	72	4485	0.59	PPBV	99
47) BENZENE	10.52	78	20343	0.32	PPBV	99
53) 2,2,4-TRIMETHYLPENTANE	11.49	57	70981	0.68	PPBV	94
56) HEPTANE	11.72	43	15808	0.42	PPBV	96
60) TOLUENE	13.27	92	240433	5.53	PPBV	100
65) TETRACHLOROETHYLENE	14.42	164	5189	0.19	PPBV	97
71) ETHYLBENZENE	15.51	91	18851	0.24	PPBV	97
72) m,p-XYLENE	15.69	106	23589	0.75	PPBV	98
73) o-XYLENE	16.22	106	7909	0.26	PPBV	96
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	6738	0.12	PPBV	95
86) 1,2,4-TRIMETHYLBENZENE	18.09	105	18832	0.36	PPBV #	32

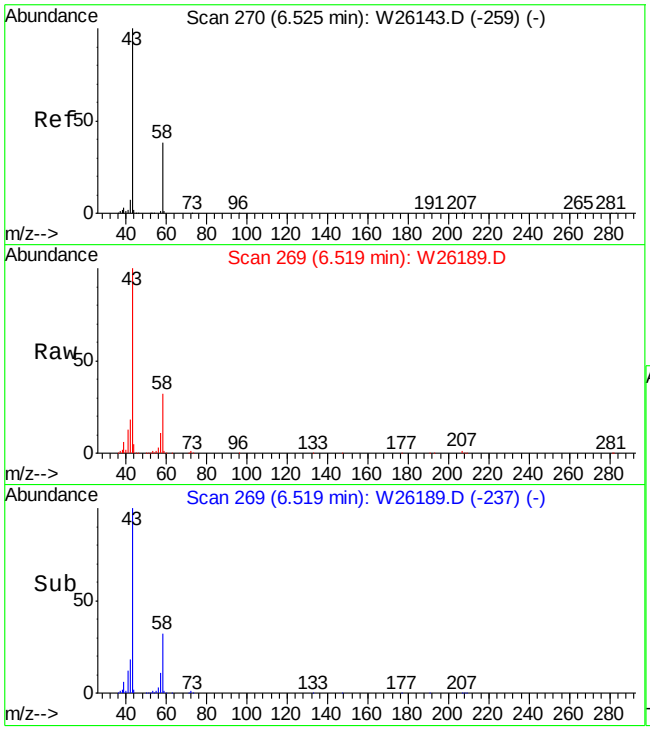
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26189.D Vial: 9
Acq On : 6 May 2010 3:58 pm Operator: YOUMINH
Sample : JA45152-10 Inst : MSW
Misc : MS96200,VW1084,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:08 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

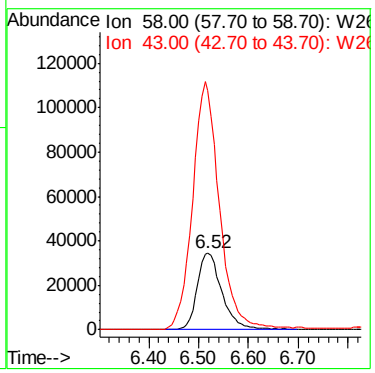


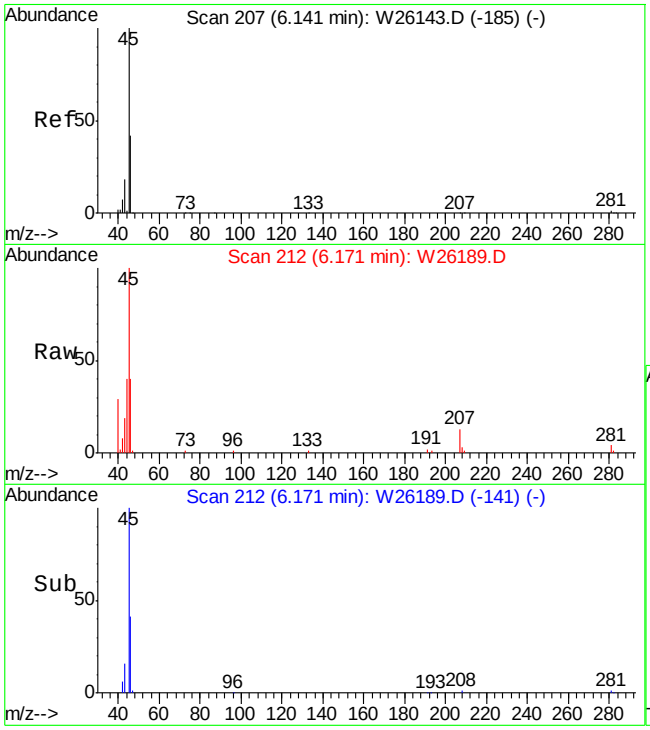


#19
ACETONE
Concen: 15.60 PPBV
RT: 6.52 min Scan# 269
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 58 Resp: 119393

Ion	Ratio	Lower	Upper
58	100		
43	350.7	245.6	285.6#

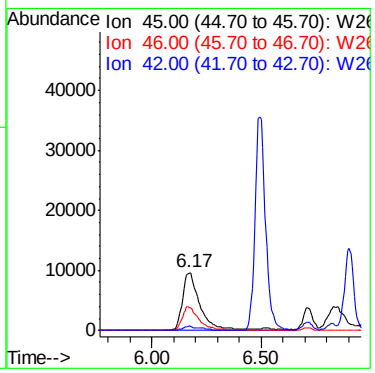


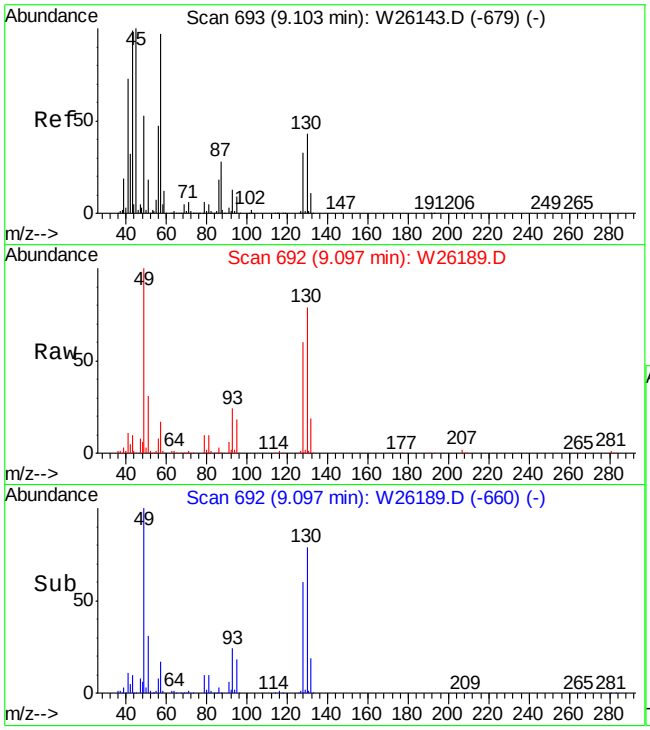


#25
ETHANOL
Concen: 8.35 PPBV
RT: 6.17 min Scan# 212
Delta R.T. 0.03 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 45 Resp: 56243

Ion	Ratio	Lower	Upper
45	100		
46	37.5	20.1	60.1
42	7.5	0.0	27.0

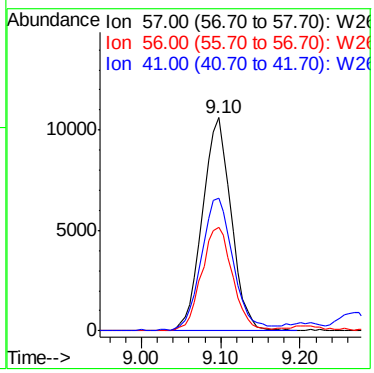


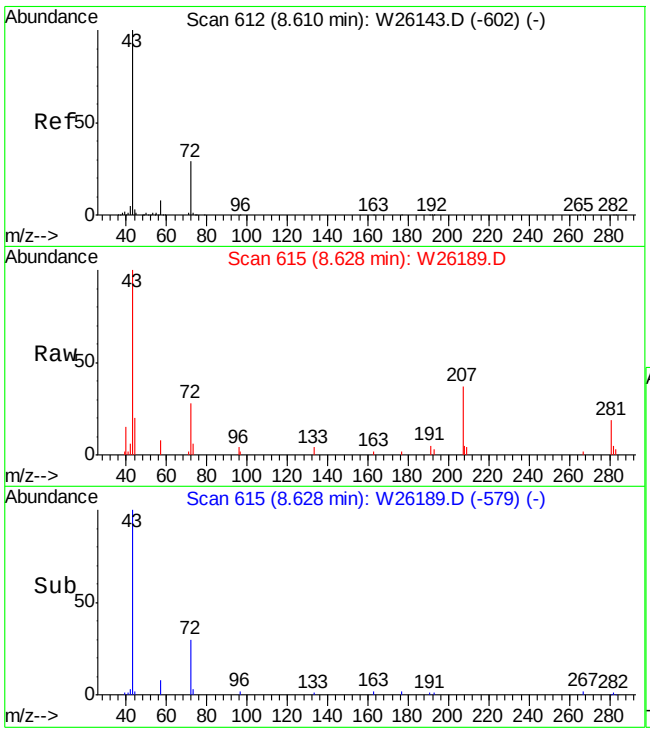


#34
HEXANE
Concen: 0.85 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 57 Resp: 26622

Ion	Ratio	Lower	Upper
57	100		
56	52.4	29.5	69.5
41	69.5	64.9	104.9

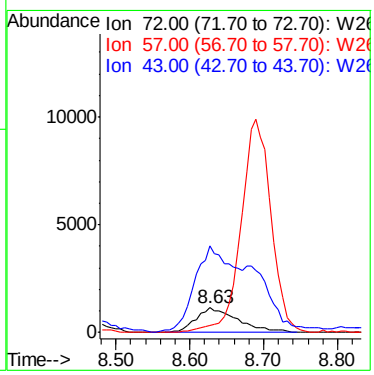


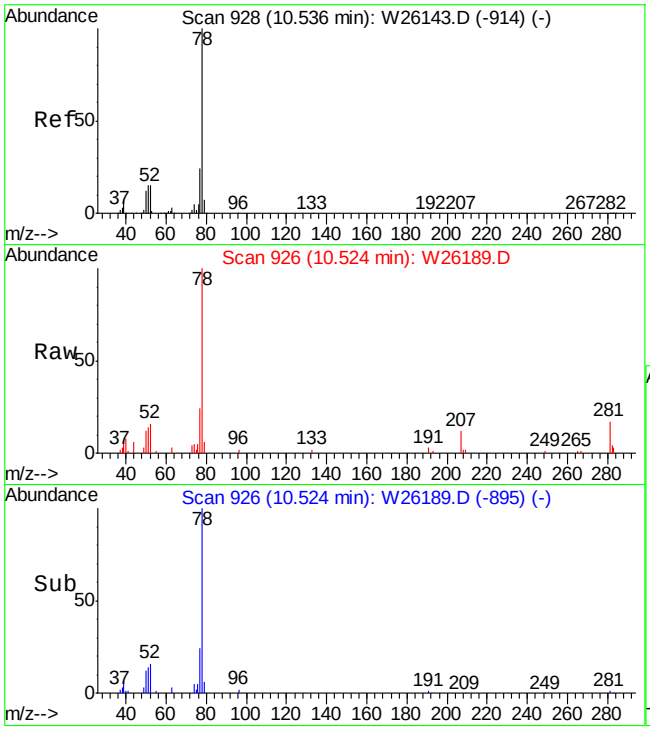


#37
METHYL ETHYL KETONE
Concen: 0.59 PPBV
RT: 8.63 min Scan# 615
Delta R.T. 0.02 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 72 Resp: 4485

Ion	Ratio	Lower	Upper
72	100		
57	27.5	8.0	48.0
43	353.9	331.8	371.8

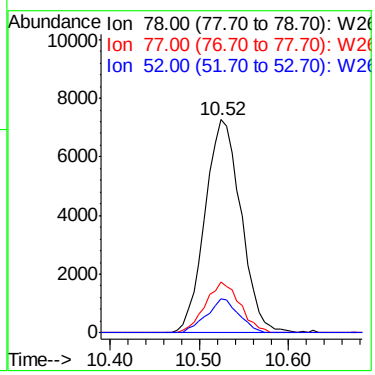


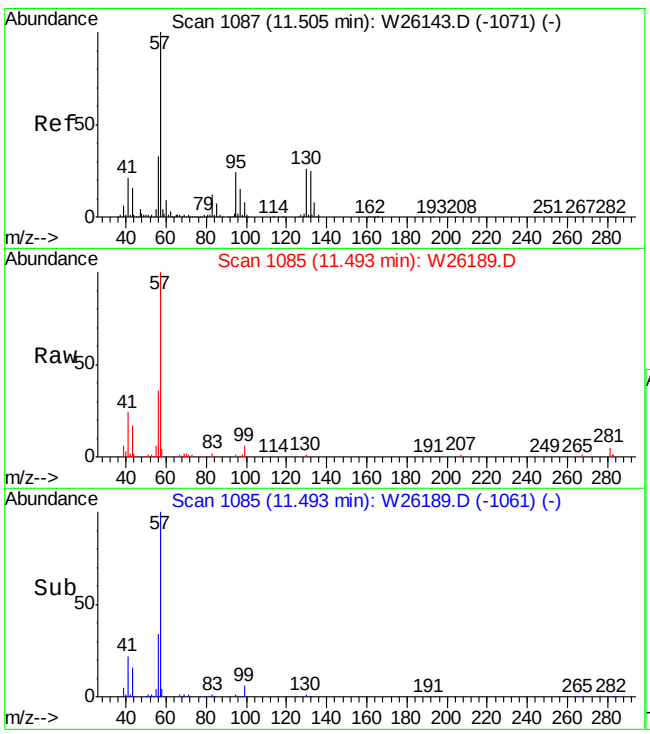


#47
BENZENE
Concen: 0.32 PPBV
RT: 10.52 min Scan# 926
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 78 Resp: 20343

Ion	Ratio	Lower	Upper
78	100		
77	22.9	3.5	43.5
52	14.3	0.0	34.8

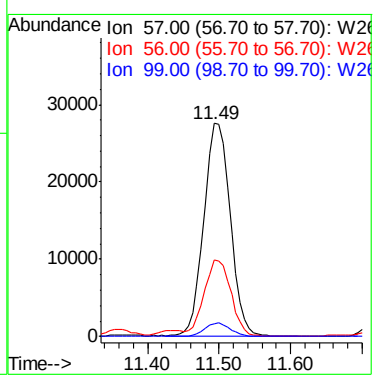


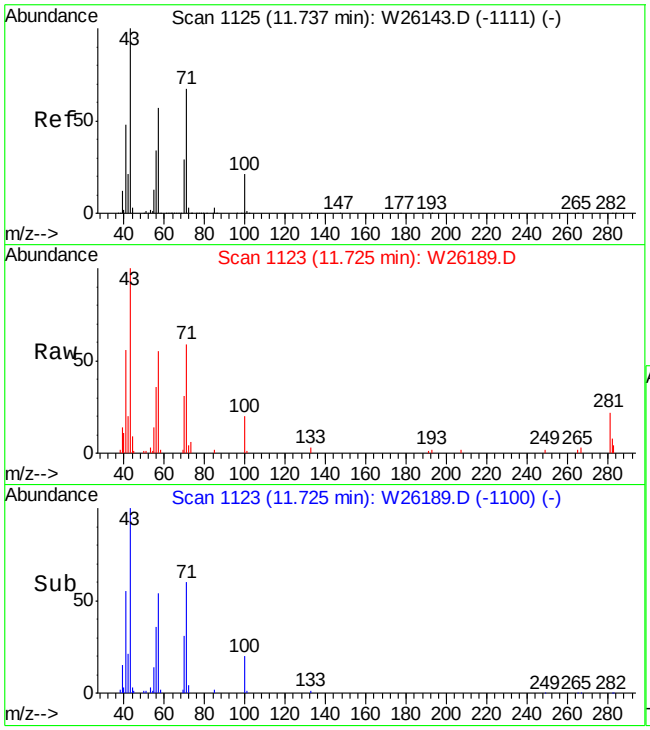


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.68 PPBV
RT: 11.49 min Scan# 1085
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 57 Resp: 70981

Ion	Ratio	Lower	Upper
57	100		
56	36.4	13.0	53.0
99	6.0	0.0	28.3

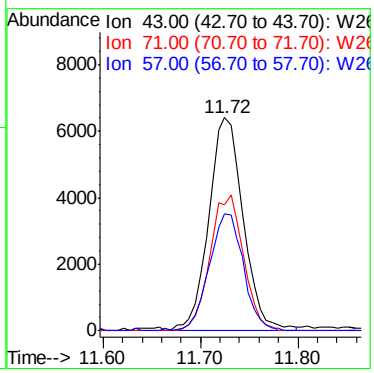


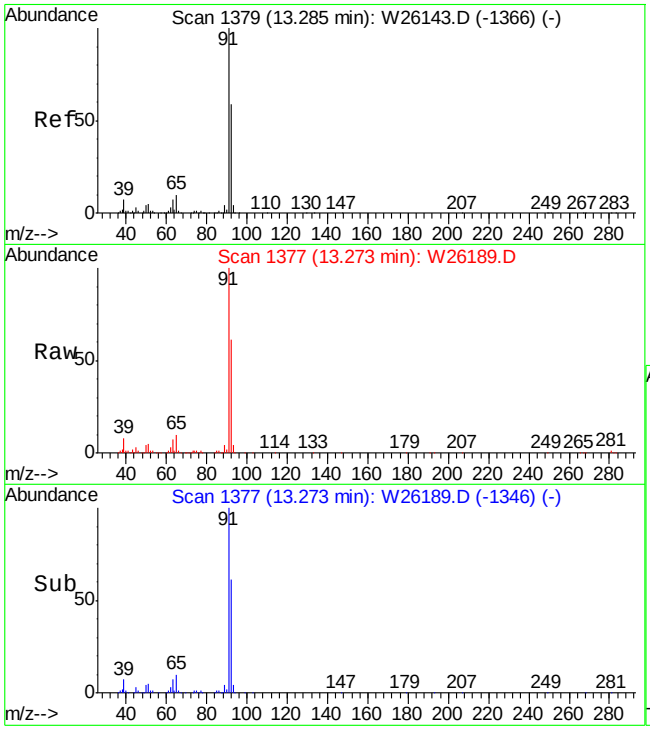


#56
HEPTANE
Concen: 0.42 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 43 Resp: 15808

Ion	Ratio	Lower	Upper
43	100		
71	61.5	45.5	85.5
57	54.4	36.6	76.6

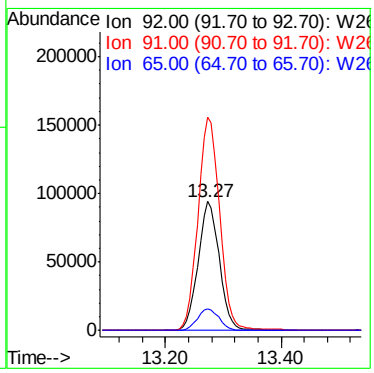


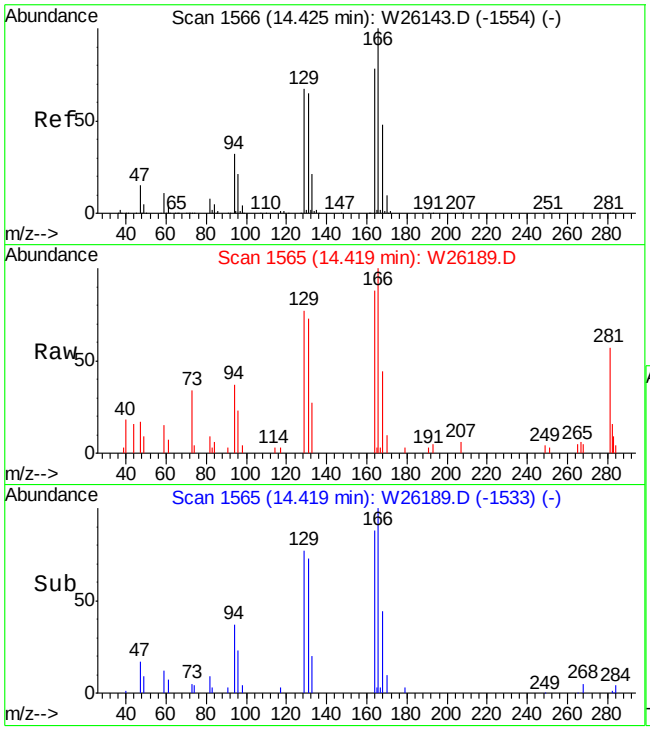


#60
TOLUENE
Concen: 5.53 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 92 Resp: 240433

Ion	Ratio	Lower	Upper
92	100		
91	168.8	148.1	188.1
65	17.4	0.0	37.4

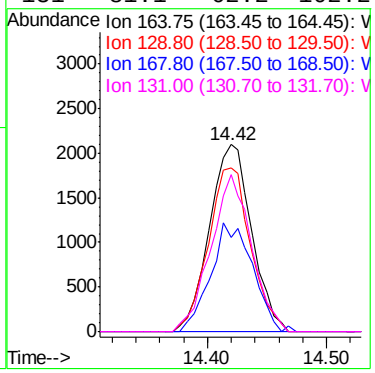


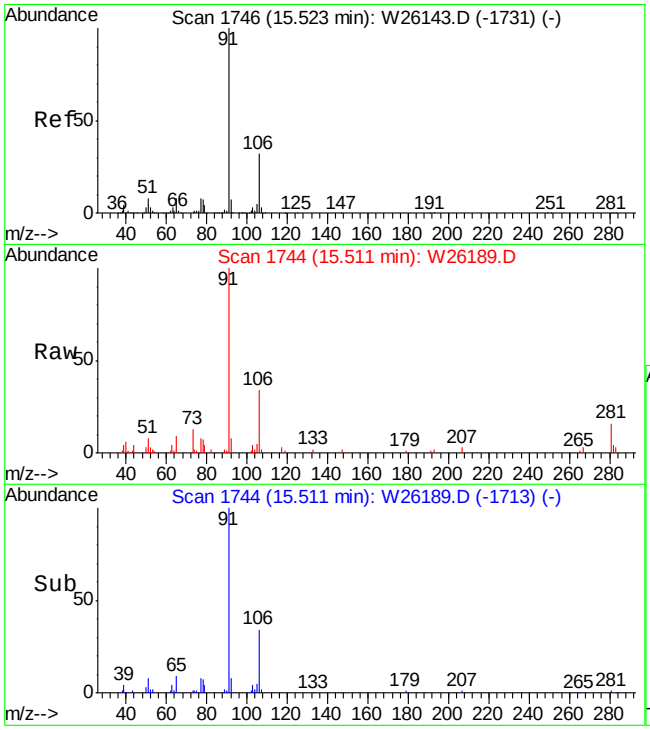


#65
TETRACHLOROETHYLENE
Concen: 0.19 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion:164 Resp: 5189

Ion	Ratio	Lower	Upper
164	100		
129	88.0	65.1	105.1
168	57.7	41.4	81.4
131	81.1	62.2	102.2

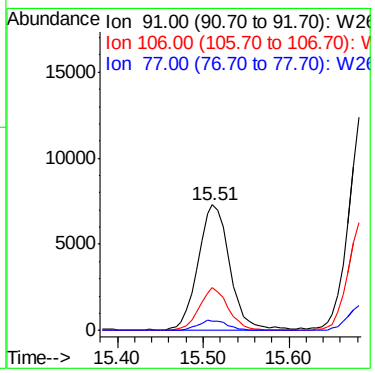


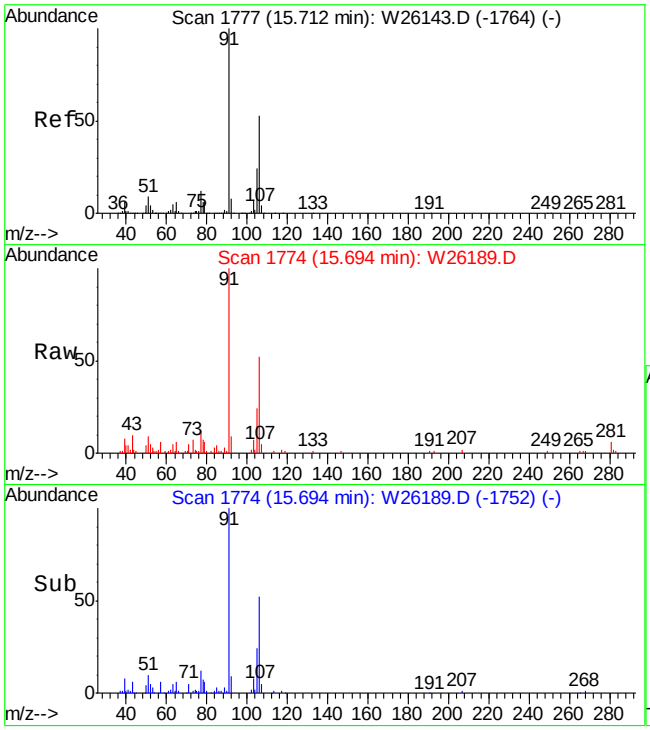


#71
ETHYLBENZENE
Concen: 0.24 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion: 91 Resp: 18851

Ion	Ratio	Lower	Upper
91	100		
106	30.5	12.3	52.3
77	7.4	0.0	27.9

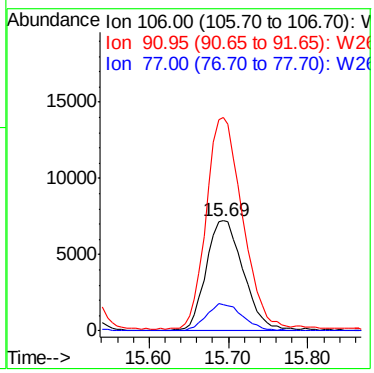


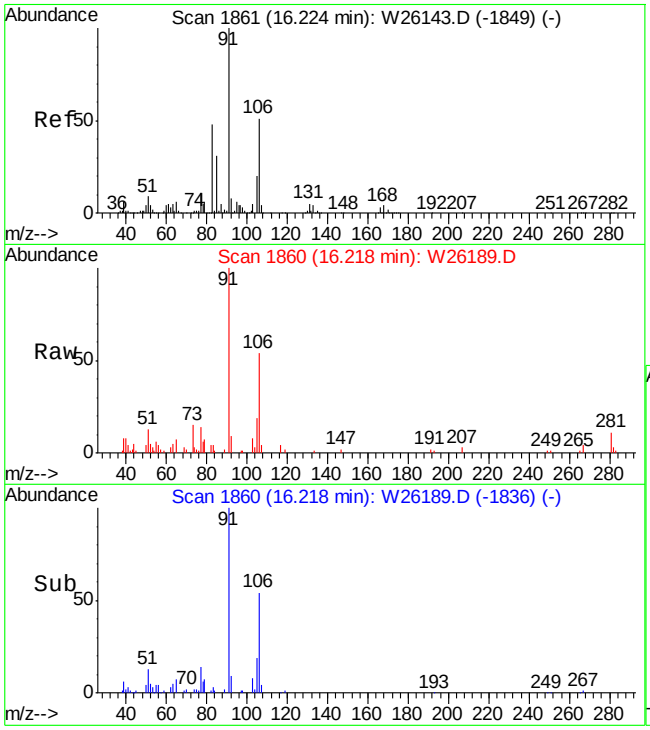


#72
m,p-XYLENE
Concen: 0.75 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion:106 Resp: 23589

Ion	Ratio	Lower	Upper
106	100		
91	193.7	151.9	227.9
77	23.5	18.7	28.1

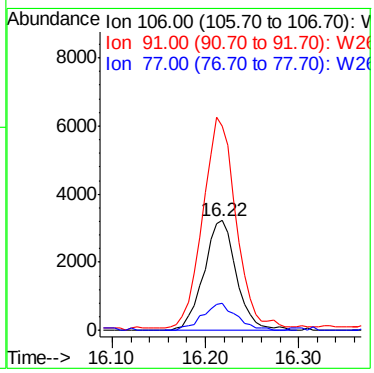


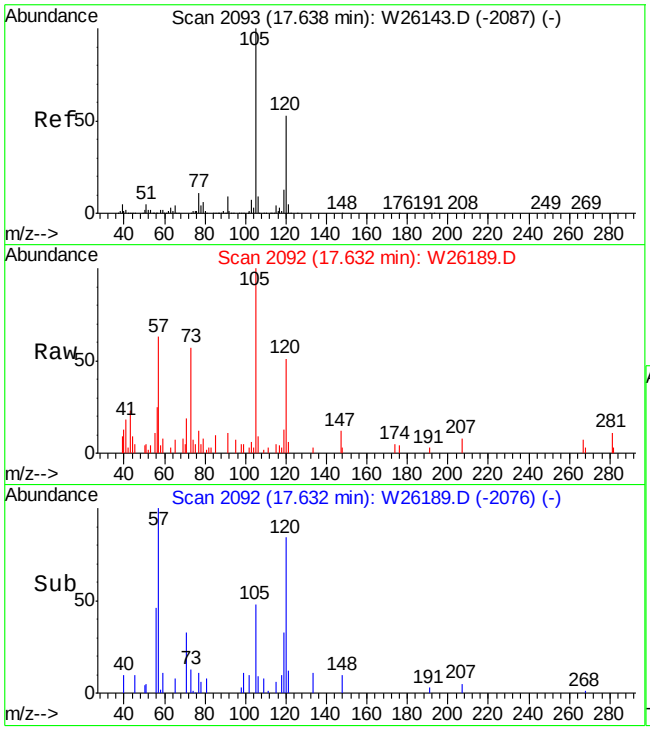


#73
o-XYLENE
Concen: 0.26 PPBV
RT: 16.22 min Scan# 1860
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion:106 Resp: 7909

Ion	Ratio	Lower	Upper
106	100		
91	195.6	181.1	221.1
77	25.9	3.6	43.6

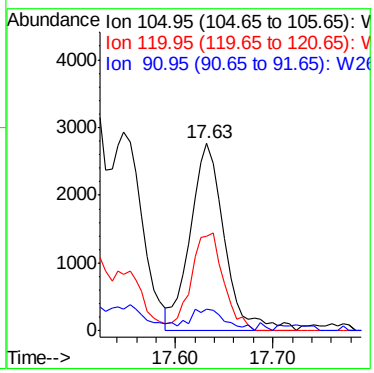


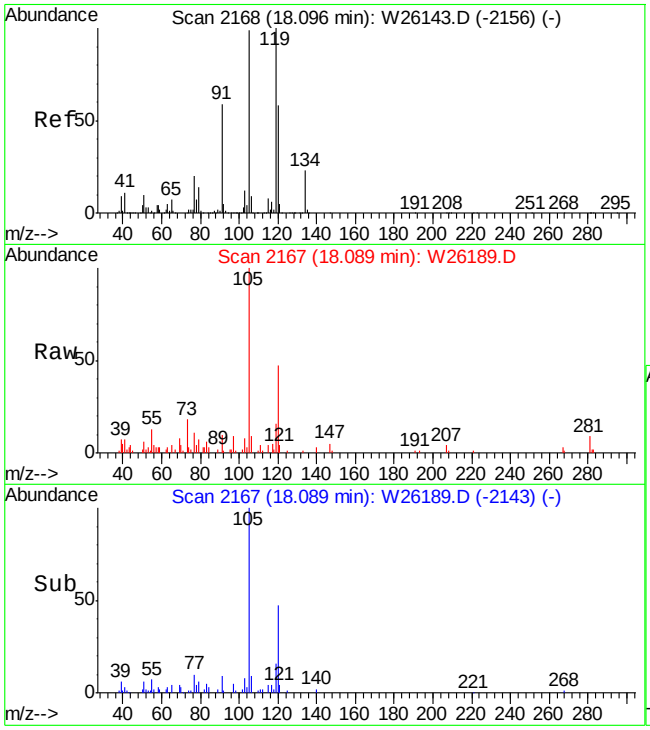


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion:105 Resp: 6738

Ion	Ratio	Lower	Upper
105	100		
120	49.6	32.8	72.8
91	11.7	0.0	29.3

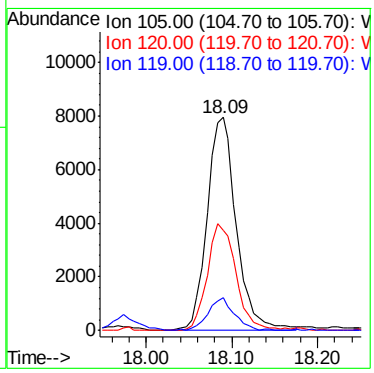




#86
1,2,4-TRIMETHYLBENZENE
Concen: 0.36 PPBV
RT: 18.09 min Scan# 2167
Delta R.T. -0.01 min
Lab File: W26189.D
Acq: 6 May 2010 3:58 pm

Tgt Ion:105 Resp: 18832

Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.9	78.9
119	13.8	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26163.D Vial: 5
Acq On : 5 May 2010 5:12 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:11 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

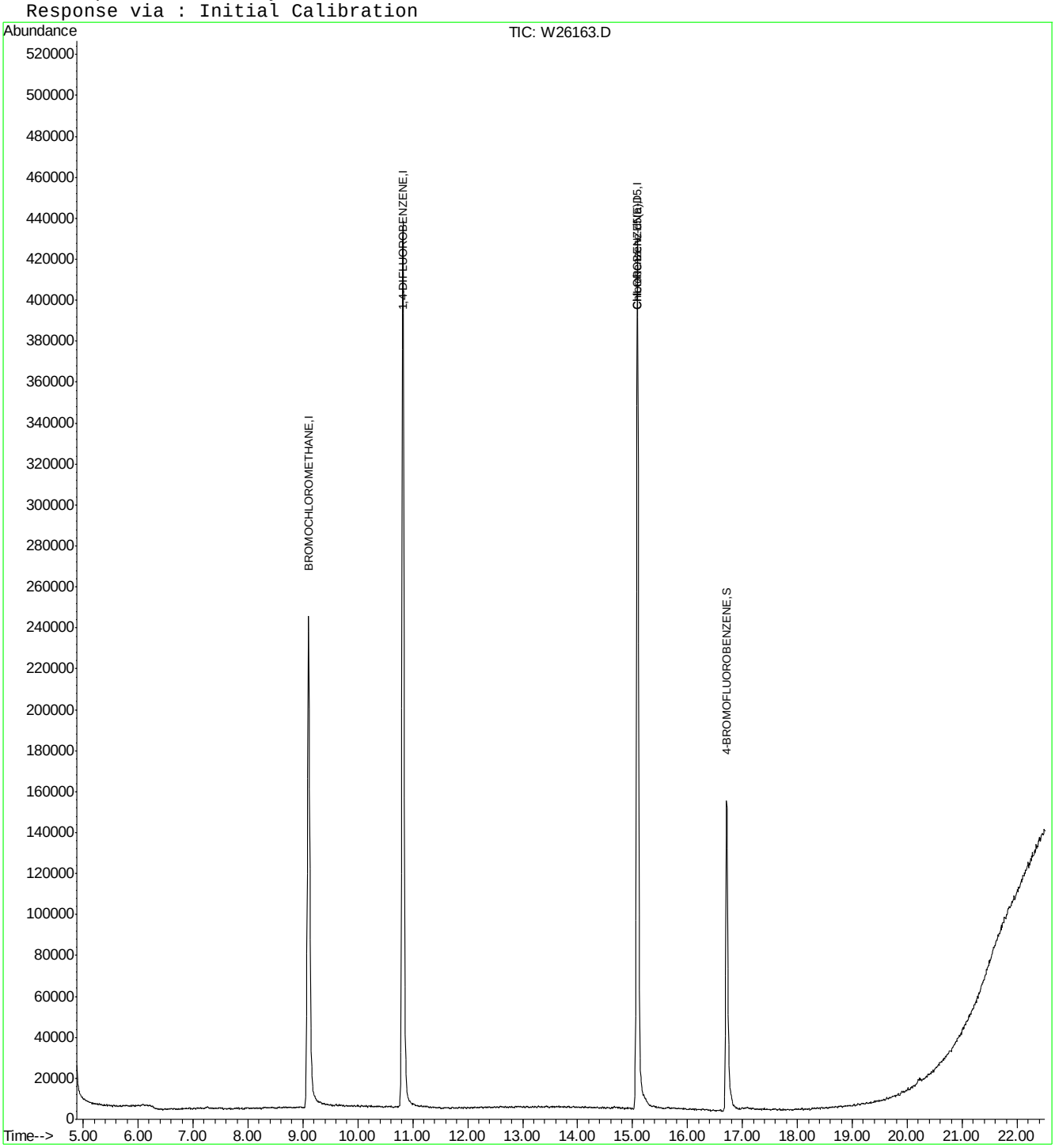
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	128138	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	587423	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.09	82	220070	10.00	PPBV	0.00
96) Chlorobenzene-d5(a)	15.09	82	220070	10.00	PPBV	0.00
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	90750	4.26	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 85.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26163.D MW1082.M Thu May 06 10:32:44 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26163.D Vial: 5
Acq On : 5 May 2010 5:12 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:55 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26185.D Vial: 5
Acq On : 6 May 2010 12:59 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:50 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

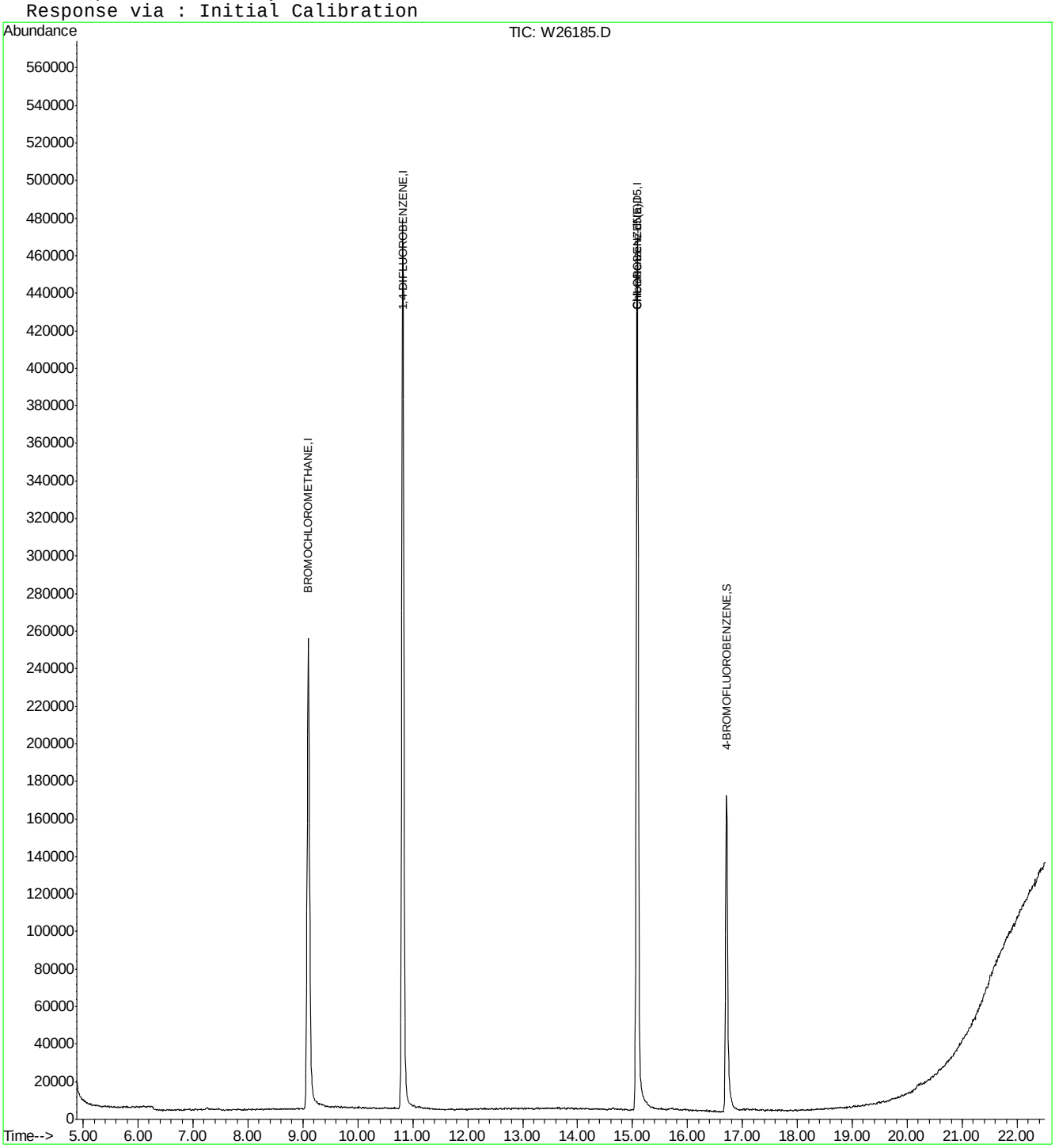
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	132575	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	624489	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	242994	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	242994	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	99748	4.24	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26185.D MW1082.M Fri May 07 09:36:56 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26185.D Vial: 5
Acq On : 6 May 2010 12:59 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:03 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26730.D Vial: 5
Acq On : 13 Apr 2010 12:33 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:58:32 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

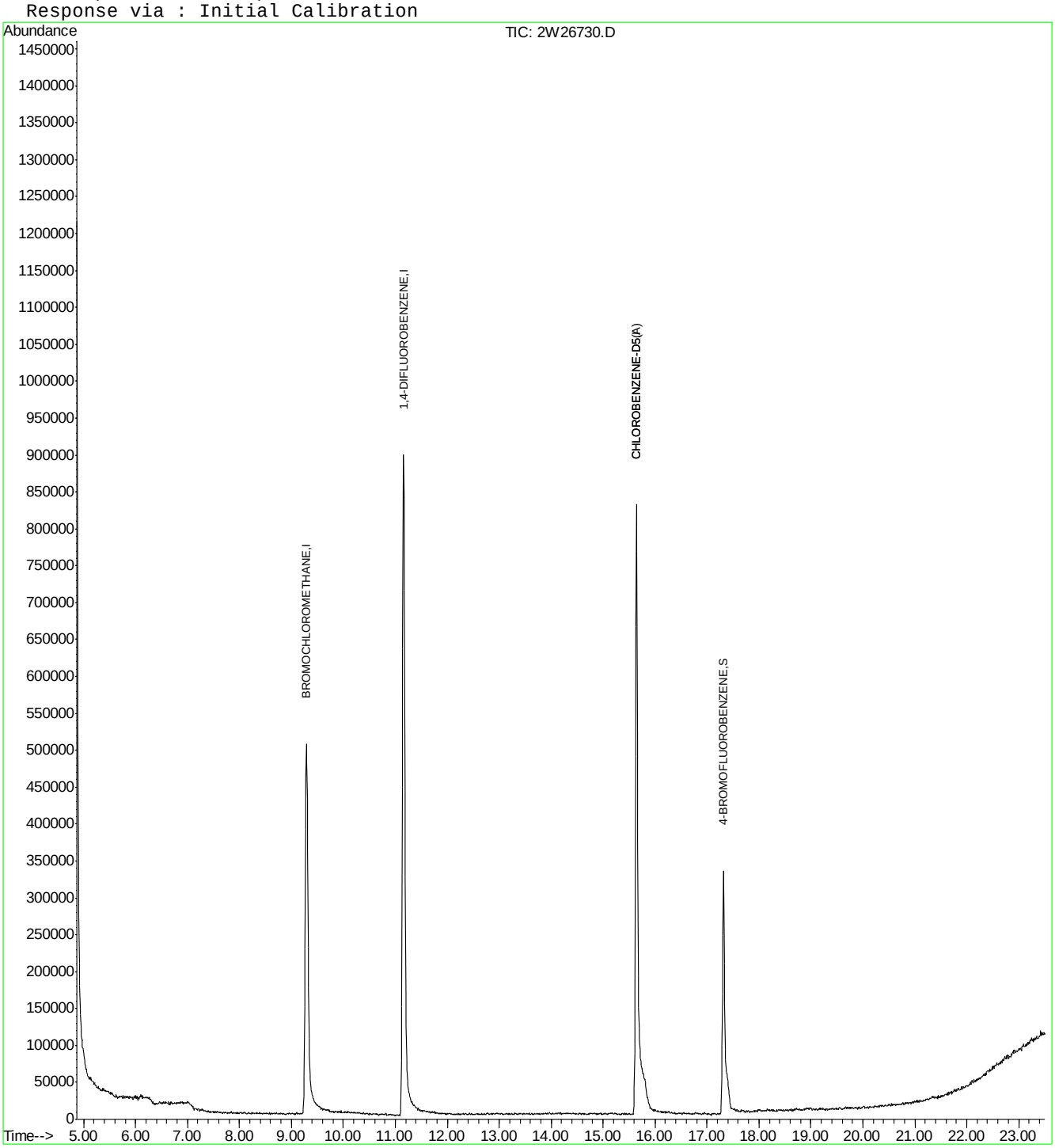
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	306217	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1259007	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.64	82	500037	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.64	82	500459	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.32	95	193573	4.06	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 81.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26730.D M2W1118.M Tue Apr 13 15:28:11 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26730.D Vial: 5
Acq On : 13 Apr 2010 12:33 pm Operator: yunxiac
Sample : mb Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 15:28 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16260.D Vial: 5
Acq On : 14 Apr 2010 1:09 pm Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:28 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

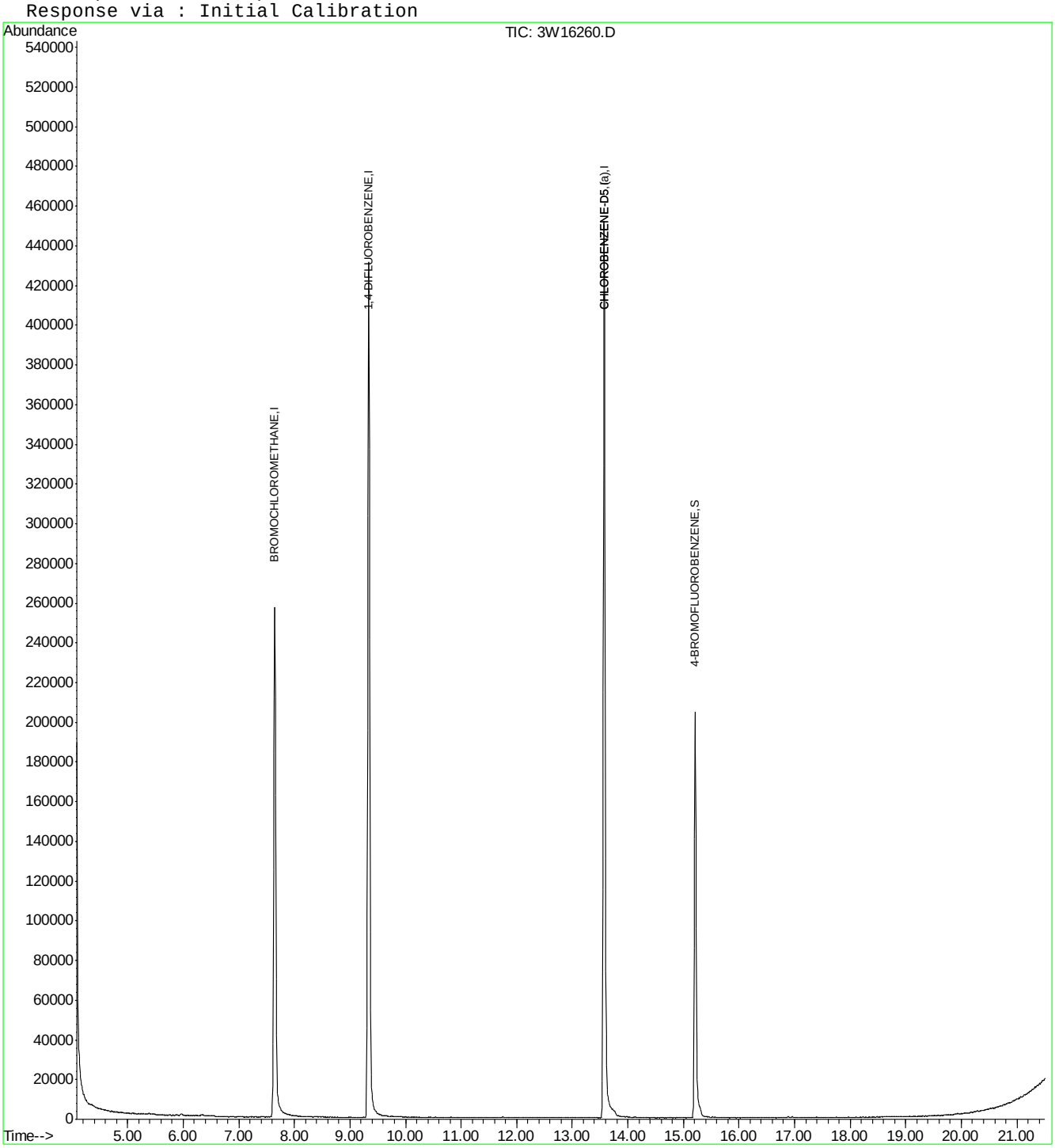
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	103124	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	476408	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	213093	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	213940	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	101724	4.32	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16260.D M3W644.M Thu Apr 15 10:18:30 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16260.D Vial: 5
Acq On : 14 Apr 2010 1:09 pm Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16335.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:59:52 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

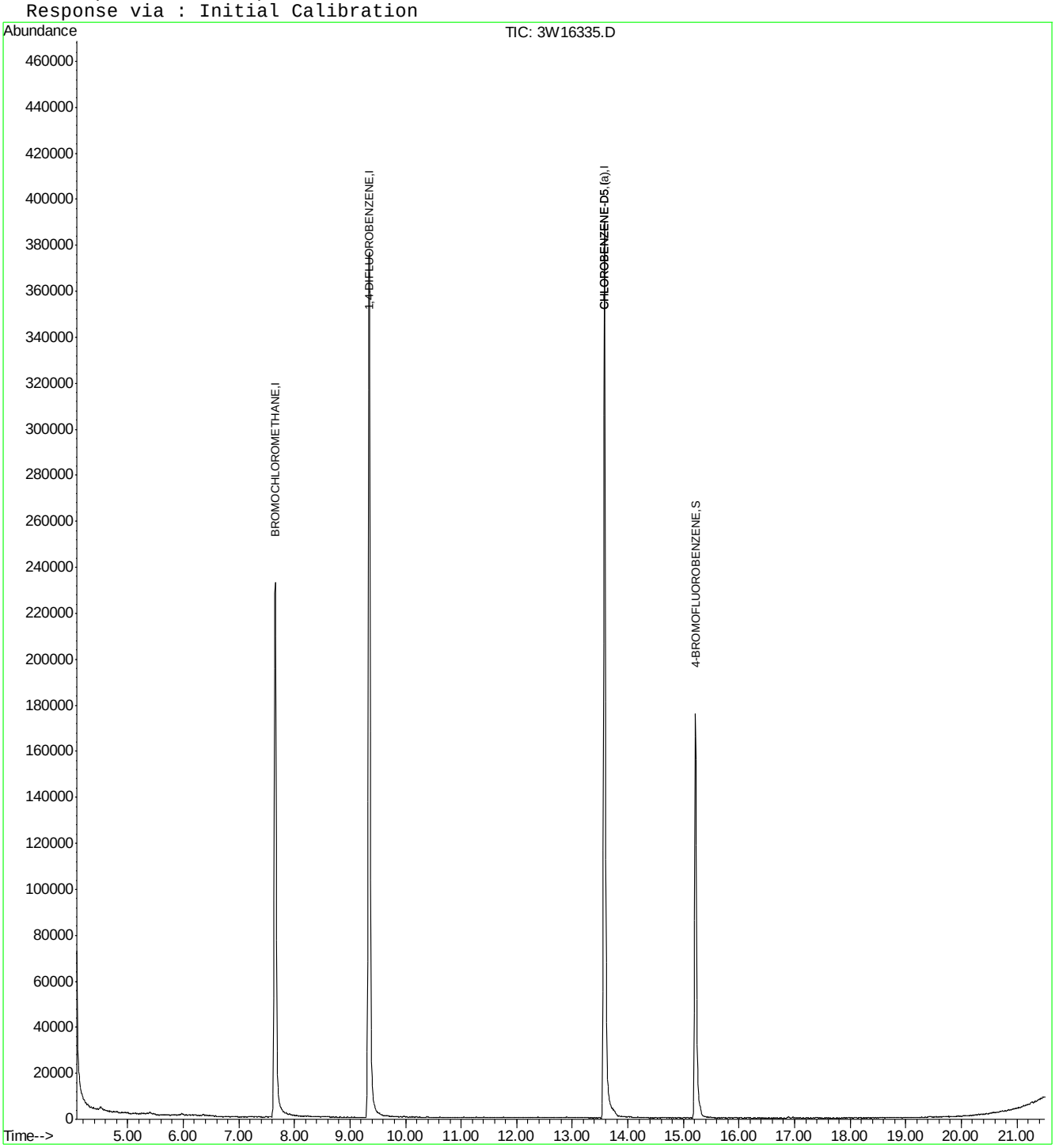
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	92580	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	423770	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	189579	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	189804	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	91248	4.36	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16335.D M3W644.M Tue Apr 20 10:20:00 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16335.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : MB Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:19 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25965.D Vial: 5
Acq On : 19 Apr 2010 12:13 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 12:39:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 19 10:35:32 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

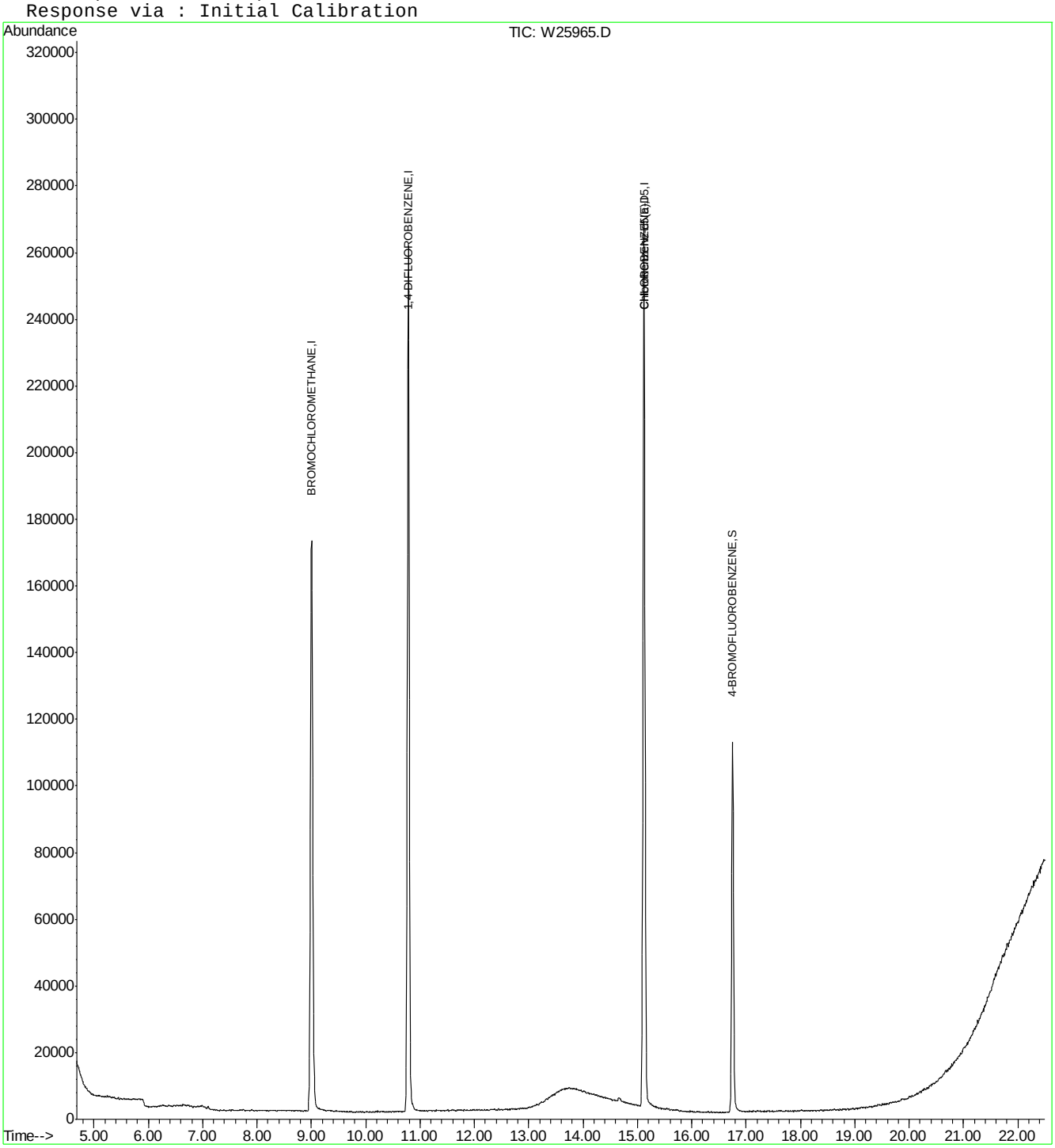
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.01	128	70501	10.00	PPBV	-0.06
46) 1,4-DIFLUOROBENZENE	10.79	114	292138	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	126540	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.12	82	126817	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.75	95	55776	4.19	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25965.D MW1071.M Tue Apr 20 15:12:10 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25965.D Vial: 5
Acq On : 19 Apr 2010 12:13 pm Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:12 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25993.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:19:40 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

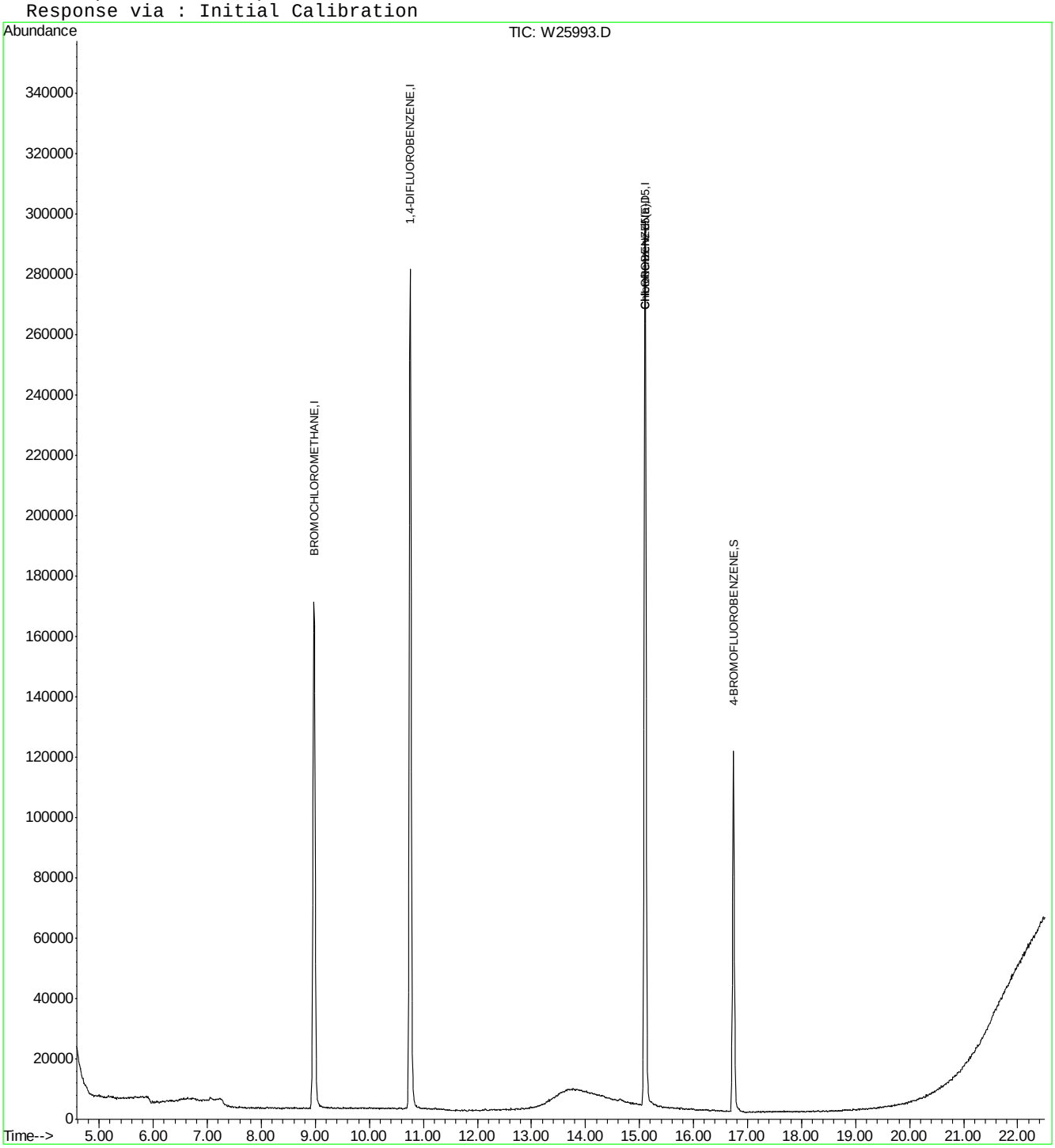
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	64029	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	300143	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	140369	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	140995	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	59142	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25993.D MW1071.M Wed Apr 21 14:31:24 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25993.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27:28 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	57016	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	239297	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	107534	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	108070	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	45267	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			

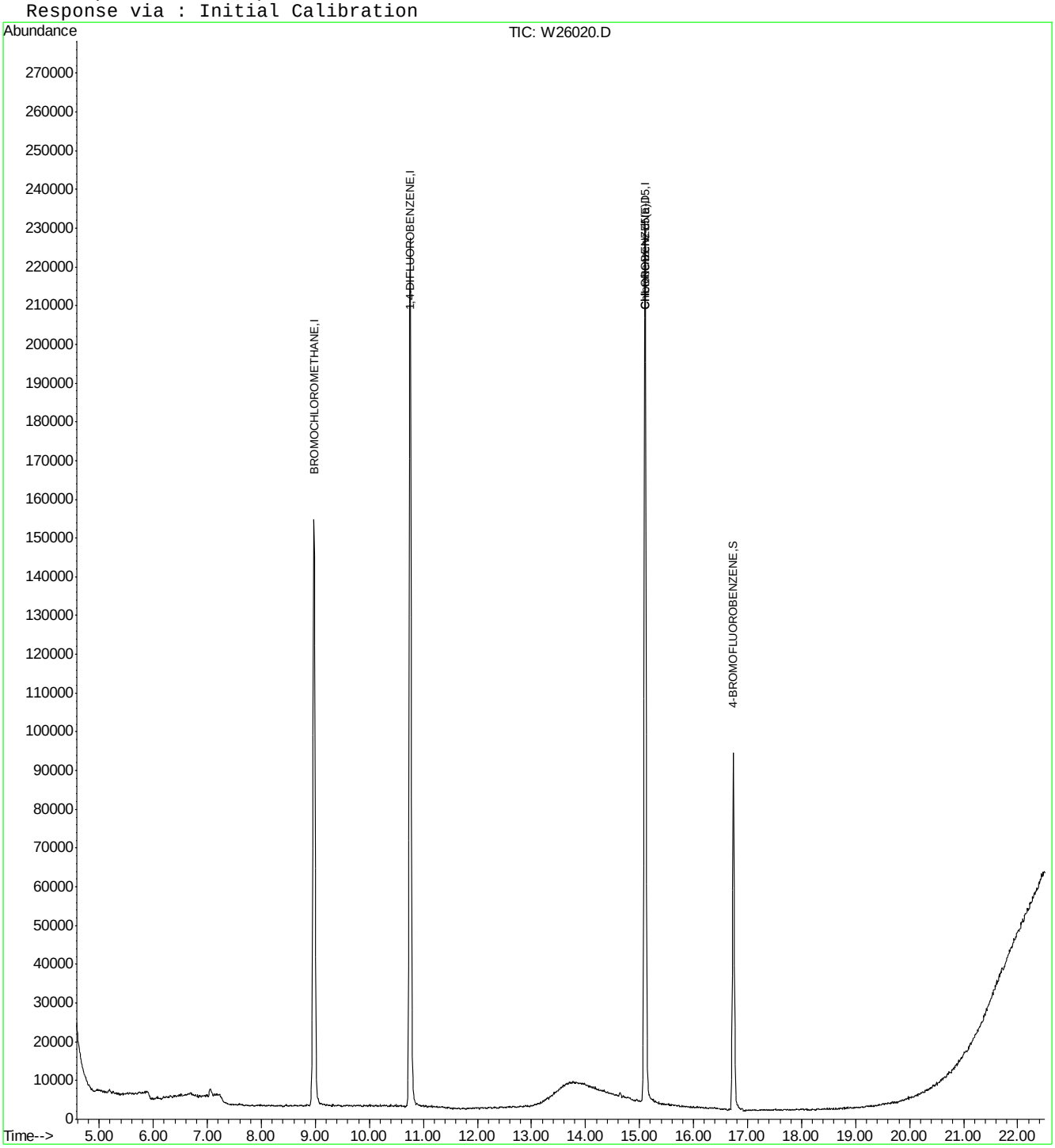
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26020.D MW1071.M Wed Apr 21 16:46:37 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : MB Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:46 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.12	128	141354	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	714821	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	310258	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	310258	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	154304	5.14	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%				
Target Compounds							Qvalue
3) FREON 152A	4.98	65	103446	8.72	PPBV		96
4) CHLORODIFLUOROMETHANE	5.02	67	34929	8.10	PPBV		99
5) DICHLORODIFLUOROMETHANE	5.12	85	398801	8.19	PPBV		100
6) PROPYLENE	5.05	41	132995	7.87	PPBV		99
7) FREON 114	5.35	85	502873	8.54	PPBV		98
8) CHLOROMETHANE	5.27	52	48786	8.22	PPBV		99
9) VINYL CHLORIDE	5.47	62	187991	8.34	PPBV		100
10) 1,3-BUTADIENE	5.59	54	146266	8.45	PPBV		97
11) n-BUTANE	5.63	43	273862	8.09	PPBV		98
12) BROMOMETHANE	5.84	94	175473	8.98	PPBV		99
13) CHLOROETHANE	5.98	64	107941	8.76	PPBV		99
14) ACROLEIN	6.41	56	63192	9.29	PPBV		99
15) FREON 123	6.38	83	445645	8.66	PPBV	#	100
16) FREON 123A	6.43	117	266700	8.60	PPBV		96
17) TRICHLOROFLUOROMETHANE	6.62	101	409029	8.39	PPBV		99
18) ISOPROPYL ALCOHOL	6.78	45	286644	8.79	PPBV		100
19) ACETONE	6.53	58	81673	9.10	PPBV		95
20) PENTANE	6.91	57	53961	8.42	PPBV		97
21) TVHC as EQUIV PENTANE	6.91	TIC	911560m	8.09	PPBV		
22) IODOMETHANE	7.12	142	512756	9.19	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.16	96	194499	8.88	PPBV		94
24) CARBON DISULFIDE	7.55	76	536973	8.65	PPBV		99
25) ETHANOL	6.17	45	62942	7.97	PPBV		99
26) BROMOETHENE	6.28	106	188546	8.96	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	161454	8.56	PPBV		95
28) 3-CHLOROPROPENE	7.36	76	91200	8.96	PPBV	#	83
29) FREON 113	7.46	151	332695	8.87	PPBV		98
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	197226	8.94	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.29	59	373325	9.03	PPBV	#	78
32) METHYL TERTIARY BUTYL ETHE	8.32	73	481652	8.88	PPBV		99
33) TETRAHYDROFURAN	9.67	72	91475	9.94	PPBV		92
34) HEXANE	9.10	57	309536	8.39	PPBV		99
35) VINYL ACETATE	8.35	86	49874	10.70	PPBV	#	80
36) 1,1-DICHLOROETHANE	8.23	63	329728	8.52	PPBV		99
37) METHYL ETHYL KETONE	8.62	72	88628	9.87	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	8.96	96	203094	8.77	PPBV		97
39) DI-ISOPROPYL ETHER	9.13	45	589679	8.59	PPBV		99
40) ETHYL ACETATE	9.16	61	55860	9.19	PPBV	#	74
41) CHLOROFORM	9.23	83	354894	8.58	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.90	57	374158	8.35	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.12	97	351158	8.34	PPBV		99
44)	CARBON TETRACHLORIDE	10.67	117	371455	8.60	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	192081	8.62	PPBV		99
47)	BENZENE	10.54	78	610959	8.26	PPBV		99
48)	CYCLOHEXANE	10.79	84	295757	8.25	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.97	71	153356	8.11	PPBV		94
50)	TRICHLOROETHYLENE	11.51	95	254428	8.23	PPBV		98
51)	1,2-DICHLOROPROPANE	11.30	63	215776	8.06	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	389113	8.33	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	971122	7.93	PPBV		100
54)	1,4-DIOXANE	11.61	88	125217	8.25	PPBV		97
55)	METHYL METHACRYLATE	11.69	69	193894	9.11	PPBV		94
56)	HEPTANE	11.74	43	332728	7.51	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.74	TIC	1584097m	8.18	PPBV		
58)	METHYL ISOBUTYL KETONE	12.41	43	340709	8.56	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.32	75	320820	8.49	PPBV		97
60)	TOLUENE	13.29	92	438914	8.62	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.83	75	248298	8.91	PPBV		97
62)	1,1,2-TRICHLOROETHANE	13.02	83	196878	8.75	PPBV		99
64)	2-HEXANONE	13.60	43	310395	9.26	PPBV		97
65)	TETRACHLOROETHYLENE	14.43	164	298965	8.70	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.74	129	399442	8.87	PPBV		99
67)	1,2-DIBROMOETHANE	13.99	107	332215	9.44	PPBV		100
68)	OCTANE	14.22	43	434850	7.94	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	303921	8.66	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	556781	8.84	PPBV		99
71)	ETHYLBENZENE	15.52	91	887705	8.96	PPBV		99
72)	m,p-XYLENE	15.71	106	715039	18.46	PPBV		98
73)	o-XYLENE	16.23	106	343175	9.10	PPBV		98
74)	STYRENE	16.11	104	502214	10.33	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.38	75	311073	9.10	PPBV		99
76)	NONANE	16.41	43	413406	8.57	PPBV		97
77)	BROMOFORM	15.84	173	385389	9.56	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	415135	9.23	PPBV		99
80)	ISOPROPYLBENZENE	16.85	105	965405	9.19	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	231581	9.48	PPBV		96
82)	n-PROPYLBENZENE	17.40	120	262942	10.30	PPBV		95
83)	4-ETHYLTOLUENE	17.56	105	855495	10.59	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	684743	9.73	PPBV		100
85)	TERT-BUTYLBENZENE	18.09	134	186325	9.80	PPBV		97
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	657925	10.26	PPBV		100
87)	m-DICHLOROBENZENE	18.28	146	413805	11.13	PPBV		99
88)	BENZYL CHLORIDE	18.26	91	436091	12.09	PPBV		99
89)	p-DICHLOROBENZENE	18.35	146	391441	11.57	PPBV		100
90)	SEC-BUTYLBENZENE	18.39	134	215329	10.12	PPBV		96
91)	p-ISOPROPYLTOLUENE	18.56	134	206954	10.31	PPBV		97
92)	o-DICHLOROBENZENE	18.74	146	359163	10.42	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	158408	11.71	PPBV		94
94)	HEXACHLOROBUTADIENE	21.14	225	91218	8.04	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

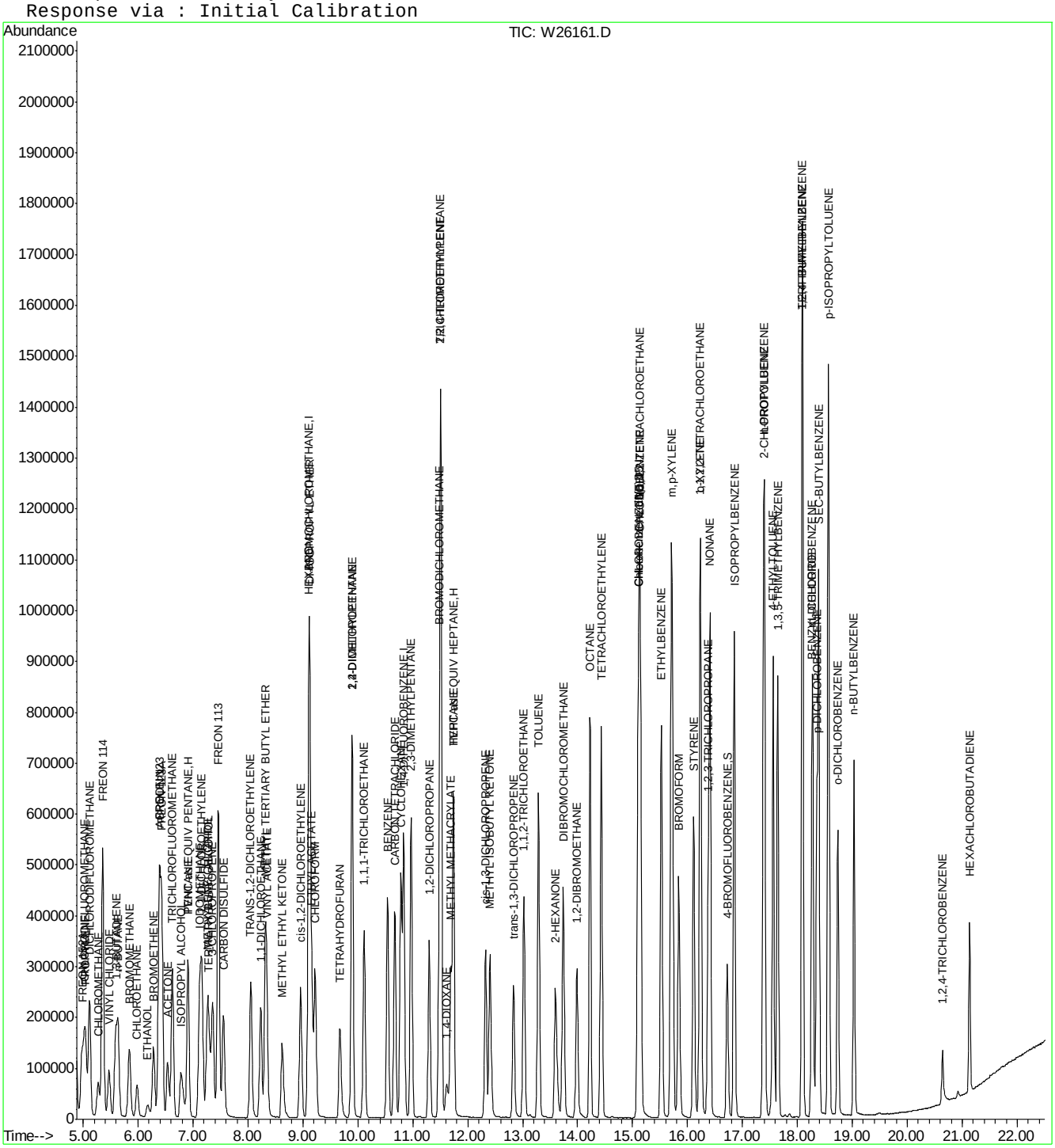
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	71577	10.08	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26161.D MW1082.M Thu May 06 10:31:51 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

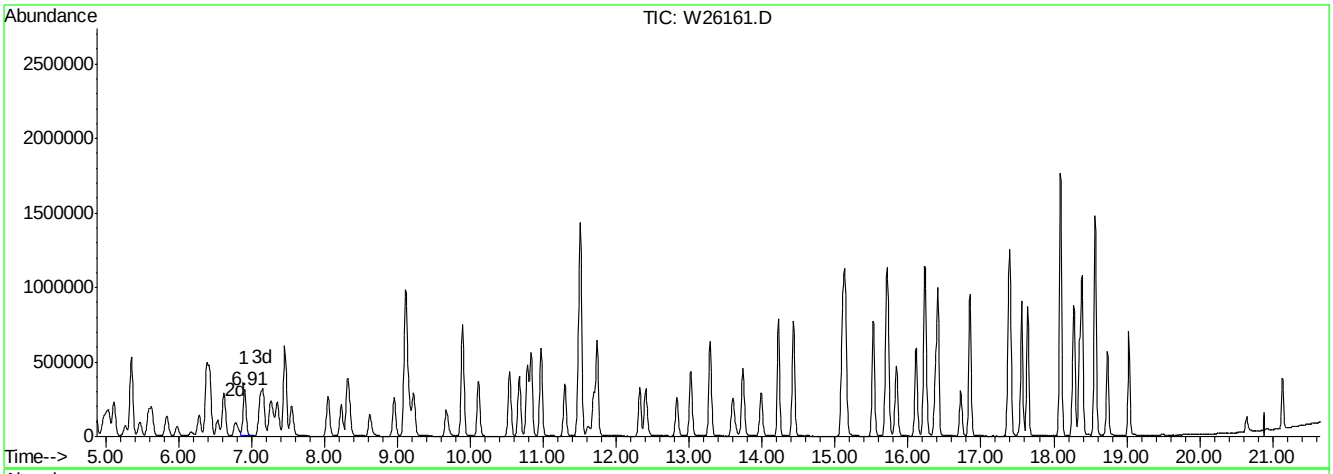


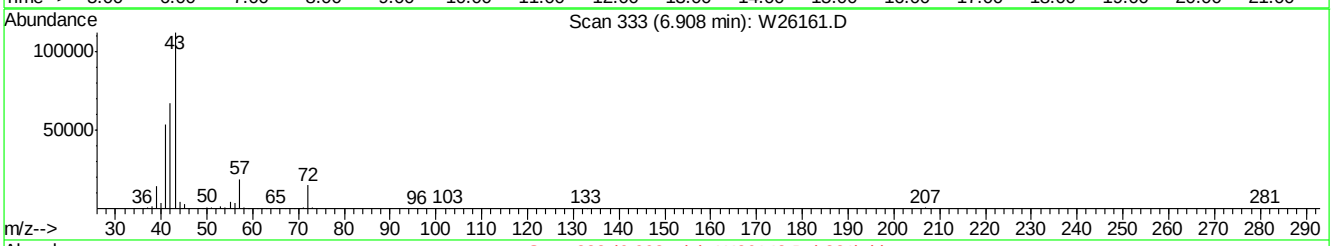
ACCUTEST Laboratories JA45152

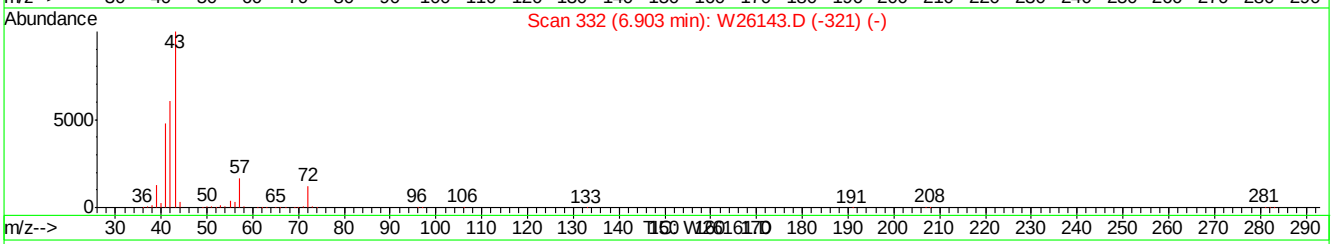
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : ICV1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.91min 8.09PPBV m

response 911560

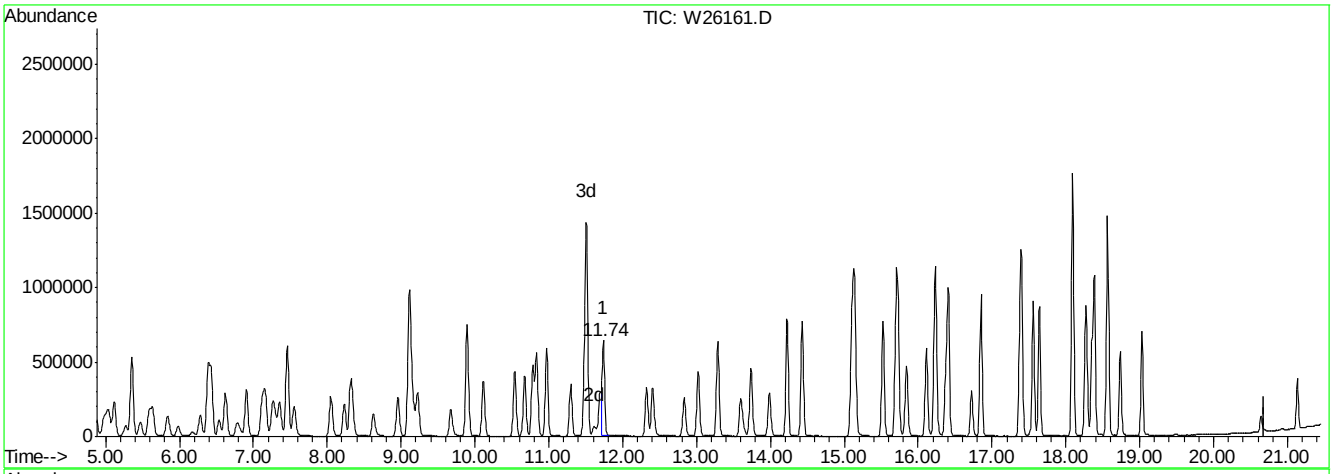
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

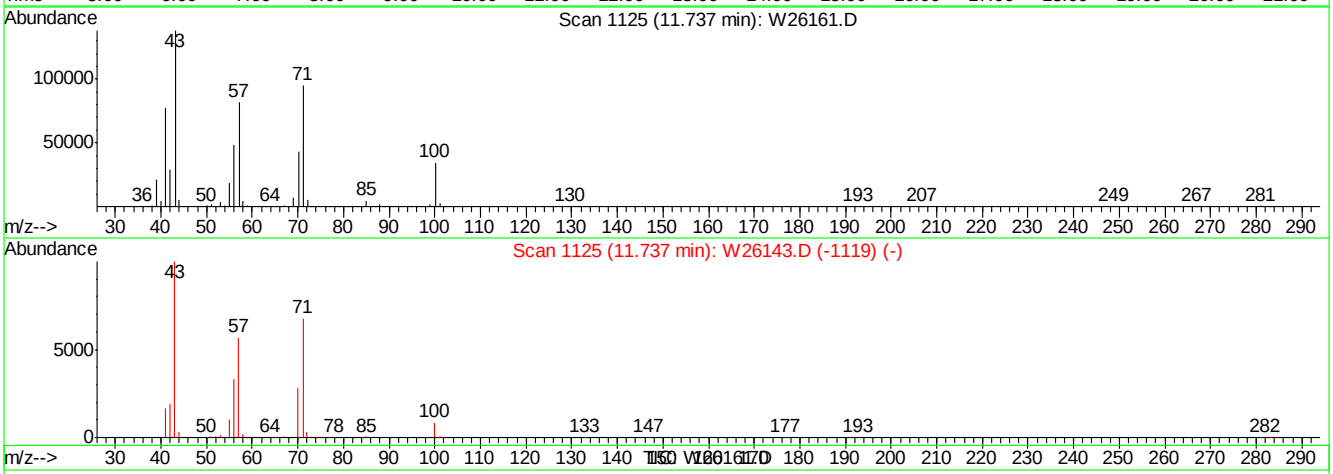
W26161.D MW1082.M Thu May 06 11:38:30 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : ICV1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 8.18PPBV m

response 1584097

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26161.D MW1082.M Thu May 06 11:38:33 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:07 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	139342	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	673837	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	290357	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	290357	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	148759	5.30	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 106.00%				
Target Compounds							Qvalue
3) FREON 152A	4.98	65	105121	8.99	PPBV		96
4) CHLORODIFLUOROMETHANE	5.02	67	34976	8.23	PPBV		99
5) DICHLORODIFLUOROMETHANE	5.11	85	397594	8.28	PPBV		100
6) PROPYLENE	5.04	41	132688	7.97	PPBV		98
7) FREON 114	5.35	85	505052	8.70	PPBV		98
8) CHLOROMETHANE	5.27	52	49567	8.47	PPBV		94
9) VINYL CHLORIDE	5.47	62	189559	8.54	PPBV		100
10) 1,3-BUTADIENE	5.59	54	146932	8.61	PPBV		97
11) n-BUTANE	5.63	43	274854	8.24	PPBV		98
12) BROMOMETHANE	5.84	94	176049	9.14	PPBV		99
13) CHLOROETHANE	5.98	64	108922	8.96	PPBV		98
14) ACROLEIN	6.40	56	63137	9.41	PPBV		99
15) FREON 123	6.38	83	453579	8.94	PPBV	#	100
16) FREON 123A	6.43	117	269586	8.81	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.62	101	410259	8.53	PPBV		99
18) ISOPROPYL ALCOHOL	6.76	45	275625	8.57	PPBV		99
19) ACETONE	6.52	58	78585	8.88	PPBV		95
20) PENTANE	6.91	57	54985	8.71	PPBV		93
21) TVHC as EQUIV PENTANE	6.90	TIC	903634m	8.13	PPBV		
22) IODOMETHANE	7.12	142	515732	9.38	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.16	96	192831	8.93	PPBV		96
24) CARBON DISULFIDE	7.55	76	538085	8.79	PPBV		99
25) ETHANOL	6.15	45	62365	8.01	PPBV		98
26) BROMOETHENE	6.28	106	187698	9.05	PPBV		100
27) METHYLENE CHLORIDE	7.26	84	164535	8.85	PPBV		95
28) 3-CHLOROPROPENE	7.35	76	93003	9.27	PPBV		93
29) FREON 113	7.46	151	333713	9.03	PPBV		97
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	198453	9.12	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.27	59	351524	8.63	PPBV		98
32) METHYL TERTIARY BUTYL ETHE	8.30	73	457412	8.55	PPBV		98
33) TETRAHYDROFURAN	9.66	72	85524	9.42	PPBV		93
34) HEXANE	9.10	57	310886	8.55	PPBV		98
35) VINYL ACETATE	8.34	86	48632	10.59	PPBV	#	82
36) 1,1-DICHLOROETHANE	8.23	63	336215	8.81	PPBV		100
37) METHYL ETHYL KETONE	8.61	72	82757	9.35	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.95	96	207156	9.08	PPBV		97
39) DI-ISOPROPYL ETHER	9.12	45	554141	8.19	PPBV		99
40) ETHYL ACETATE	9.16	61	52932	8.84	PPBV	#	84
41) CHLOROFORM	9.21	83	360663	8.84	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.89	57	381040	8.63	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:07 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	355272	8.56	PPBV		99
44)	CARBON TETRACHLORIDE	10.67	117	371166	8.72	PPBV		100
45)	1,2-DICHLOROETHANE	9.88	62	195175	8.88	PPBV		99
47)	BENZENE	10.54	78	621672	8.92	PPBV		99
48)	CYCLOHEXANE	10.78	84	298352	8.83	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.97	71	155277	8.71	PPBV		95
50)	TRICHLOROETHYLENE	11.50	95	254930	8.75	PPBV		98
51)	1,2-DICHLOROPROPANE	11.29	63	215780	8.55	PPBV		99
52)	BROMODICHLOROMETHANE	11.48	83	389457	8.85	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	991204	8.59	PPBV		100
54)	1,4-DIOXANE	11.60	88	115285	8.05	PPBV		98
55)	METHYL METHACRYLATE	11.68	69	181080	9.02	PPBV		96
56)	HEPTANE	11.73	43	338404	8.10	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.73	TIC	1588609m	8.70	PPBV		
58)	METHYL ISOBUTYL KETONE	12.39	43	318784	8.49	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.32	75	321307	9.02	PPBV		97
60)	TOLUENE	13.28	92	436110	9.08	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.82	75	245131	9.33	PPBV		97
62)	1,1,2-TRICHLOROETHANE	13.02	83	193992	9.15	PPBV		99
64)	2-HEXANONE	13.58	43	295646	9.43	PPBV		97
65)	TETRACHLOROETHYLENE	14.43	164	299369	9.31	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.73	129	399052	9.46	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	326821	9.93	PPBV		100
68)	OCTANE	14.22	43	442455	8.63	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.12	131	301930	9.19	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	551375	9.35	PPBV		98
71)	ETHYLBENZENE	15.52	91	876035	9.44	PPBV		99
72)	m,p-XYLENE	15.71	106	702829	19.38	PPBV		98
73)	o-XYLENE	16.22	106	338744	9.60	PPBV		98
74)	STYRENE	16.11	104	494291	10.86	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.37	75	299781	9.37	PPBV		99
76)	NONANE	16.41	43	413258	9.16	PPBV		97
77)	BROMOFORM	15.83	173	379579	10.06	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	403261	9.58	PPBV		99
80)	ISOPROPYLBENZENE	16.85	105	943252	9.60	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	228112	9.98	PPBV	#	94
82)	n-PROPYLBENZENE	17.40	120	254115	10.64	PPBV		96
83)	4-ETHYLTOLUENE	17.55	105	823102	10.89	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	657008	9.97	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	178025	10.01	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	624804	10.41	PPBV		99
87)	m-DICHLOROBENZENE	18.28	146	407814	11.72	PPBV		100
88)	BENZYL CHLORIDE	18.26	91	421846	12.50	PPBV		99
89)	p-DICHLOROBENZENE	18.35	146	381534	12.05	PPBV		99
90)	SEC-BUTYLBENZENE	18.39	134	205398	10.32	PPBV		97
91)	p-ISOPROPYLTOLUENE	18.56	134	195429	10.40	PPBV		97
92)	o-DICHLOROBENZENE	18.74	146	352468	10.93	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	150534	11.89	PPBV		95
94)	HEXACHLOROBUTADIENE	21.13	225	99210	9.35	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:07 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

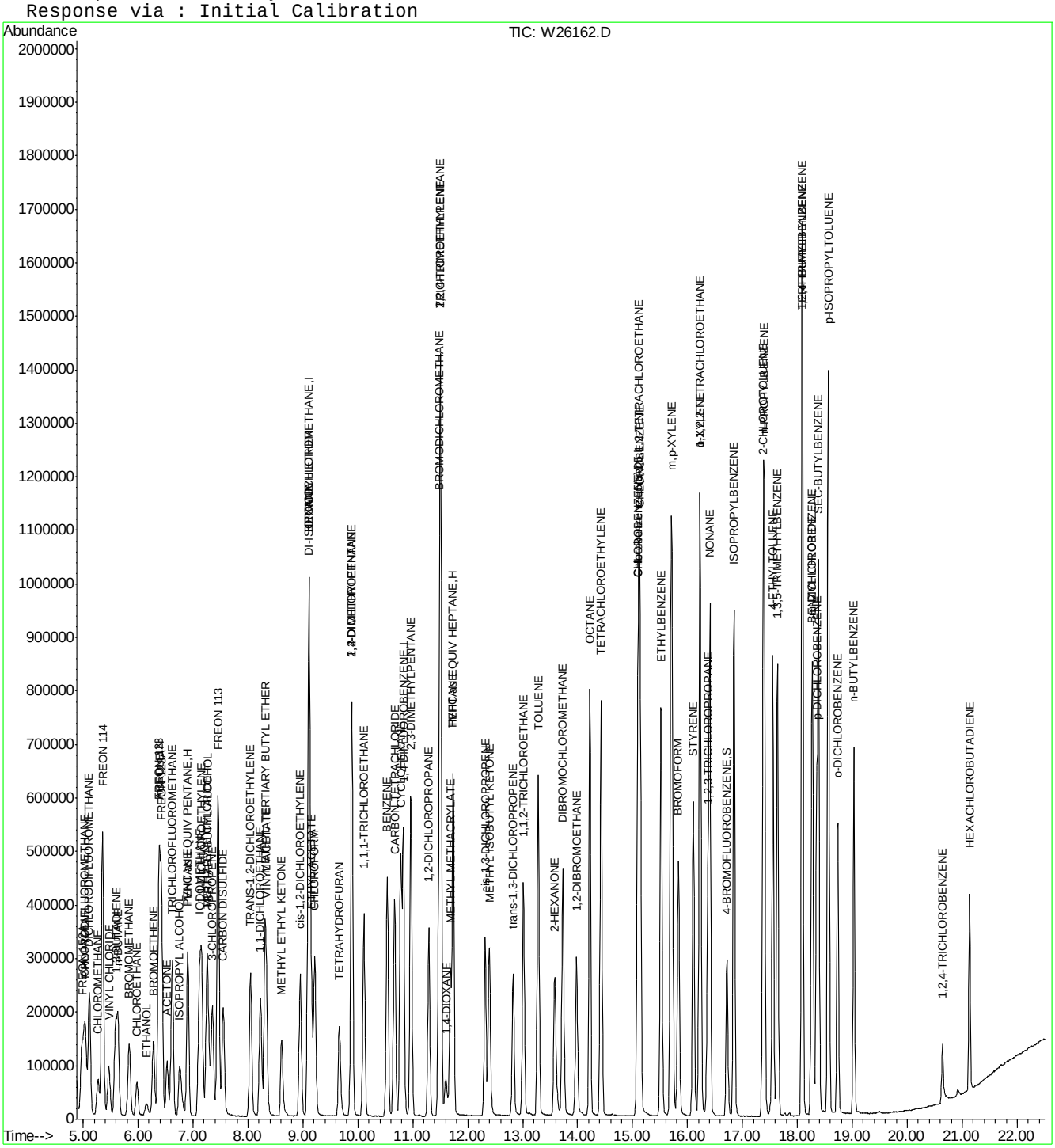
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	72902	10.97	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:54 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

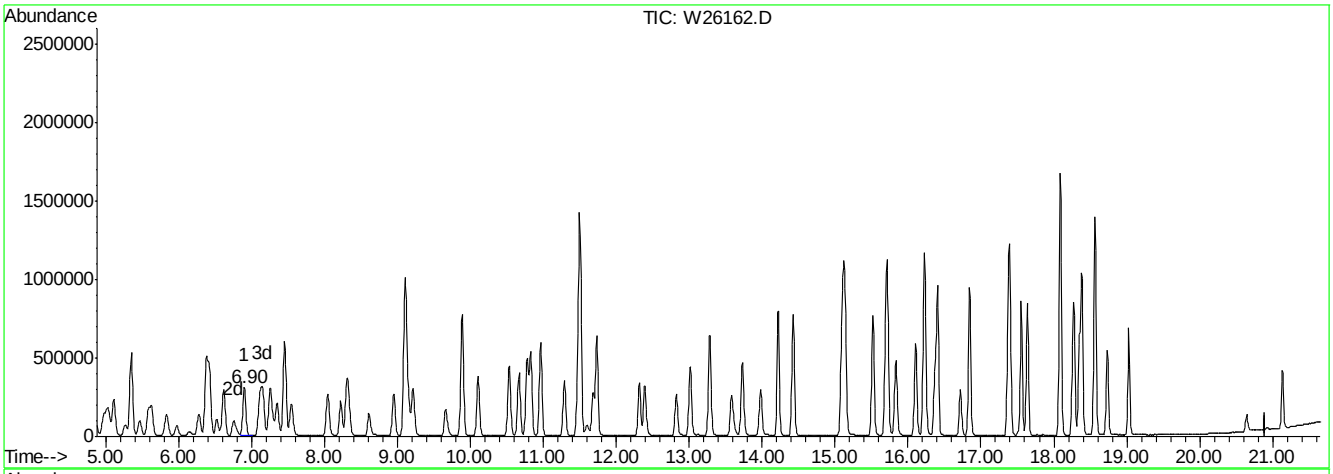


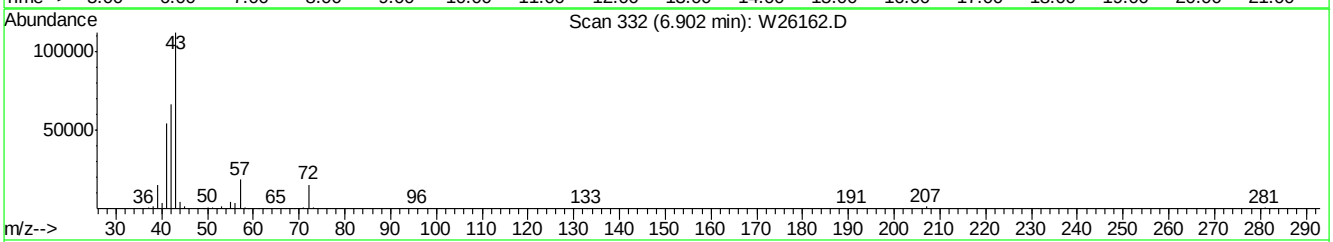
ACCUTEST JA45152 Laboratories

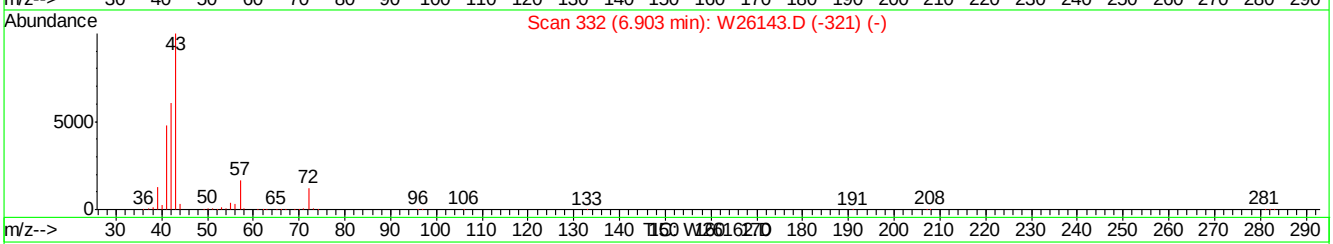
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:54 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 8.13PPBV m

response 903634

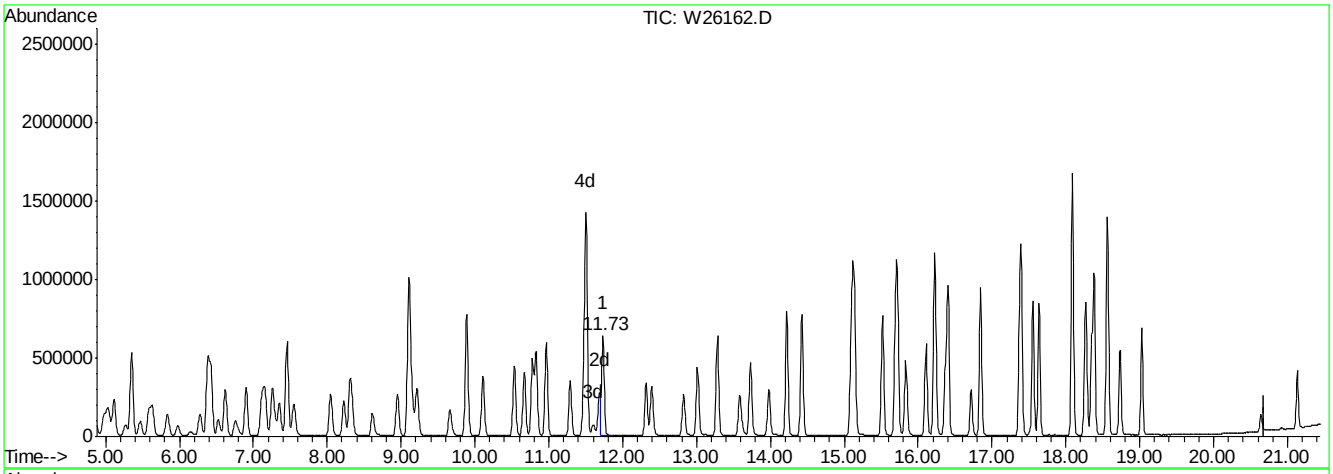
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

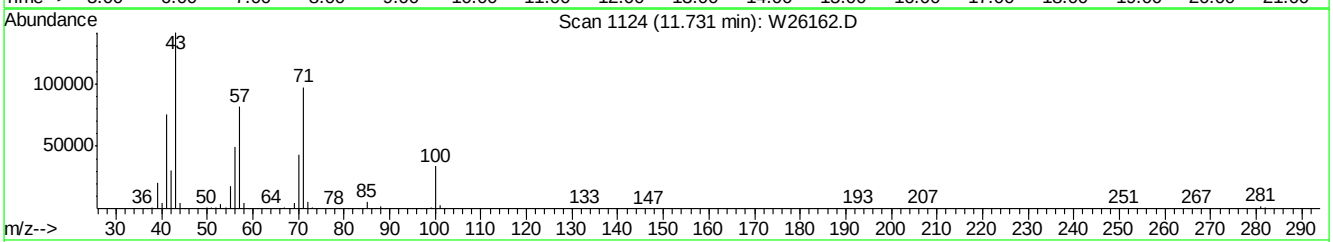
W26162.D MW1082.M Thu May 06 10:32:35 2010 MSW

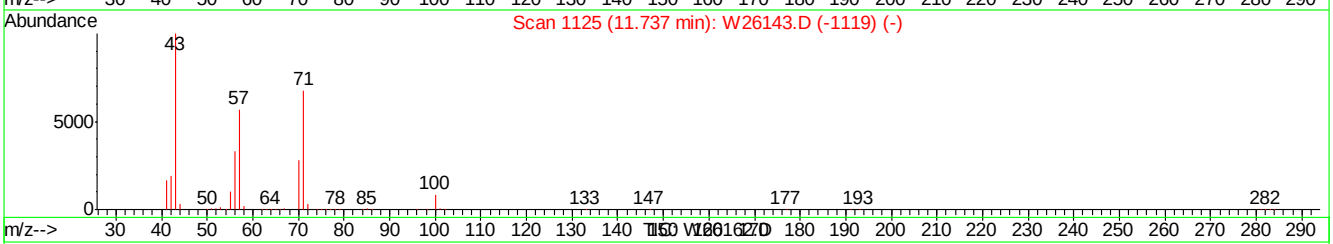
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26162.D Vial: 3
Acq On : 5 May 2010 3:49 pm Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:54 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.73min 8.70PPBV m

response 1588609

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

W26162.D MW1082.M Thu May 06 10:32:39 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	138659	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	712458	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	331524	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	331524	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	179986	5.61	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 112.20%				
Target Compounds							Qvalue
3) FREON 152A	4.97	65	102719	8.82	PPBV		98
4) CHLORODIFLUOROMETHANE	5.01	67	34686	8.20	PPBV		100
5) DICHLORODIFLUOROMETHANE	5.11	85	389537	8.15	PPBV		100
6) PROPYLENE	5.04	41	133862	8.08	PPBV		98
7) FREON 114	5.35	85	491547	8.51	PPBV		100
8) CHLOROMETHANE	5.27	52	50215	8.63	PPBV		97
9) VINYL CHLORIDE	5.47	62	189855	8.59	PPBV		99
10) 1,3-BUTADIENE	5.59	54	148188	8.73	PPBV		98
11) n-BUTANE	5.63	43	282920	8.52	PPBV		99
12) BROMOMETHANE	5.84	94	170880	8.92	PPBV		100
13) CHLOROETHANE	5.98	64	107901	8.92	PPBV		99
14) ACROLEIN	6.39	56	64585	9.67	PPBV		100
15) FREON 123	6.38	83	435357	8.63	PPBV	#	100
16) FREON 123A	6.42	117	255085	8.38	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.62	101	399971	8.36	PPBV		99
18) ISOPROPYL ALCOHOL	6.74	45	299729	9.37	PPBV		100
19) ACETONE	6.52	58	83281	9.46	PPBV		97
20) PENTANE	6.90	57	55361	8.81	PPBV		96
21) TVHC as EQUIV PENTANE	6.90	TIC	911169m	8.24	PPBV		
22) IODOMETHANE	7.12	142	485523	8.87	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.15	96	186000	8.66	PPBV		99
24) CARBON DISULFIDE	7.55	76	533905	8.76	PPBV		100
25) ETHANOL	6.13	45	68991	8.91	PPBV		99
26) BROMOETHENE	6.27	106	179539	8.70	PPBV		100
27) METHYLENE CHLORIDE	7.25	84	158390	8.56	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	90943	9.11	PPBV		95
29) FREON 113	7.45	151	313187	8.51	PPBV		100
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	194133	8.97	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.26	59	379712	9.36	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.30	73	482564	9.06	PPBV		100
33) TETRAHYDROFURAN	9.65	72	91786	10.16	PPBV		97
34) HEXANE	9.10	57	312159	8.62	PPBV		99
35) VINYL ACETATE	8.33	86	48172	10.54	PPBV	#	95
36) 1,1-DICHLOROETHANE	8.22	63	331903	8.74	PPBV		100
37) METHYL ETHYL KETONE	8.60	72	88978	10.10	PPBV		98
38) cis-1,2-DICHLOROETHYLENE	8.94	96	198763	8.75	PPBV		98
39) DI-ISOPROPYL ETHER	9.12	45	614575	9.12	PPBV		100
40) ETHYL ACETATE	9.15	61	57839	9.71	PPBV	#	1
41) CHLOROFORM	9.21	83	352097	8.68	PPBV		100
42) 2,4-DIMETHYLPENTANE	9.88	57	376963	8.58	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.10	97	344885	8.35	PPBV		100
44)	CARBON TETRACHLORIDE	10.66	117	360627	8.51	PPBV		100
45)	1,2-DICHLOROETHANE	9.88	62	195611	8.95	PPBV		100
47)	BENZENE	10.53	78	602700	8.18	PPBV		100
48)	CYCLOHEXANE	10.77	84	288766	8.08	PPBV		100
49)	2,3-DIMETHYLPENTANE	10.96	71	151191	8.02	PPBV		99
50)	TRICHLOROETHYLENE	11.50	95	248202	8.05	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	215597	8.08	PPBV		99
52)	BROMODICHLOROMETHANE	11.47	83	382252	8.21	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.50	57	982121	8.05	PPBV		100
54)	1,4-DIOXANE	11.58	88	123825	8.18	PPBV		98
55)	METHYL METHACRYLATE	11.68	69	196554	9.26	PPBV		95
56)	HEPTANE	11.73	43	342008	7.75	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.73	TIC	1501079m	7.77	PPBV		
58)	METHYL ISOBUTYL KETONE	12.38	43	357734	9.02	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.31	75	319949	8.50	PPBV		99
60)	TOLUENE	13.28	92	429377	8.46	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.82	75	249297	8.97	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.01	83	193828	8.64	PPBV		100
64)	2-HEXANONE	13.57	43	330418	9.23	PPBV		99
65)	TETRACHLOROETHYLENE	14.43	164	281787	7.67	PPBV		100
66)	DIBROMOCHLOROMETHANE	13.72	129	383634	7.97	PPBV		100
67)	1,2-DIBROMOETHANE	13.97	107	321366	8.55	PPBV		100
68)	OCTANE	14.22	43	449388	7.68	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	292639	7.80	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	538892	8.01	PPBV		99
71)	ETHYLBENZENE	15.52	91	871477	8.23	PPBV		100
72)	m,p-XYLENE	15.71	106	695422	16.80	PPBV		98
73)	o-XYLENE	16.22	106	335300	8.32	PPBV		99
74)	STYRENE	16.10	104	491927	9.47	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.36	75	312154	8.55	PPBV		99
76)	NONANE	16.40	43	430375	8.35	PPBV		99
77)	BROMOFORM	15.83	173	361755	8.40	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	413401	8.61	PPBV		100
80)	ISOPROPYLBENZENE	16.85	105	944361	8.41	PPBV		100
81)	2-CHLOROTOLUENE	17.37	126	223909	8.58	PPBV		99
82)	n-PROPYLBENZENE	17.39	120	257251	9.43	PPBV		97
83)	4-ETHYLTOLUENE	17.55	105	849358	9.84	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	673455	8.95	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	183082	9.01	PPBV		98
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	652653	9.52	PPBV		100
87)	m-DICHLOROBENZENE	18.27	146	399948	10.07	PPBV		99
88)	BENZYL CHLORIDE	18.25	91	450405	11.69	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	380178	10.51	PPBV		99
90)	SEC-BUTYLBENZENE	18.38	134	211168	9.29	PPBV		99
91)	p-ISOPROPYLTOLUENE	18.56	134	206257	9.62	PPBV		99
92)	o-DICHLOROBENZENE	18.73	146	350555	9.52	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	161868	11.20	PPBV		97
94)	HEXACHLOROBUTADIENE	21.13	225	105693	8.72	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

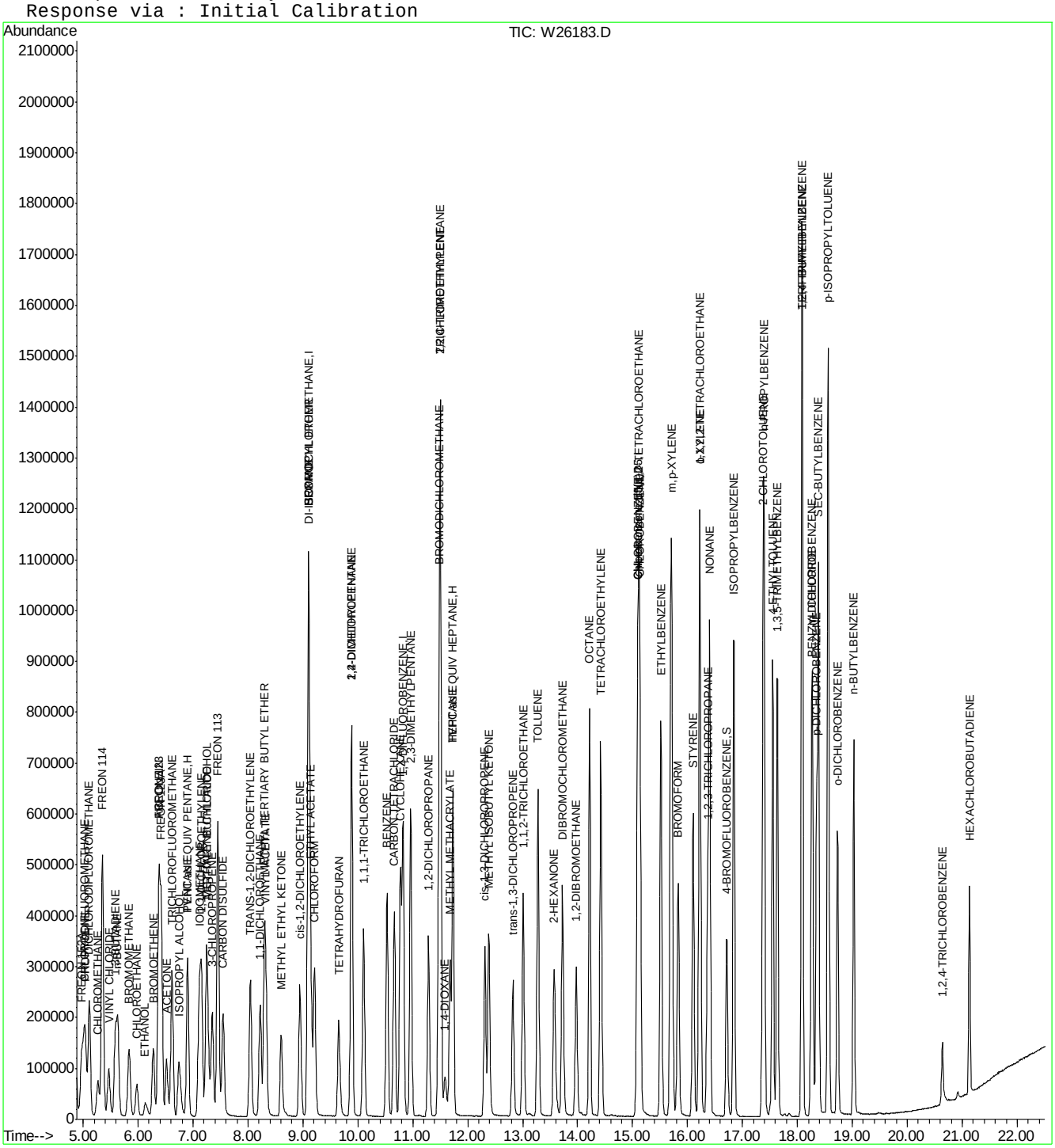
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	77835	10.26	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26183.D MW1082.M Fri May 07 09:36:26 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

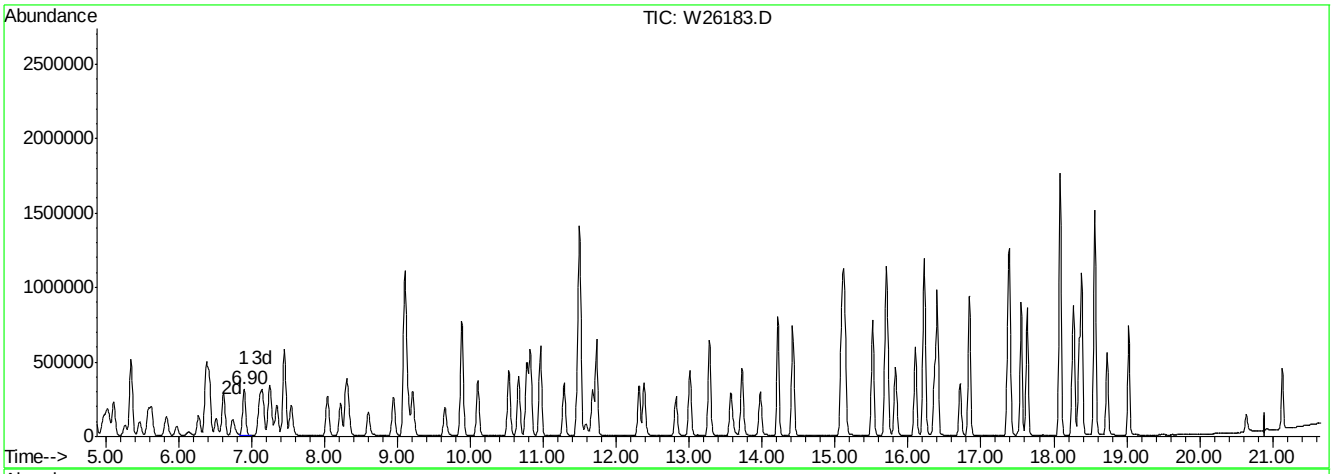


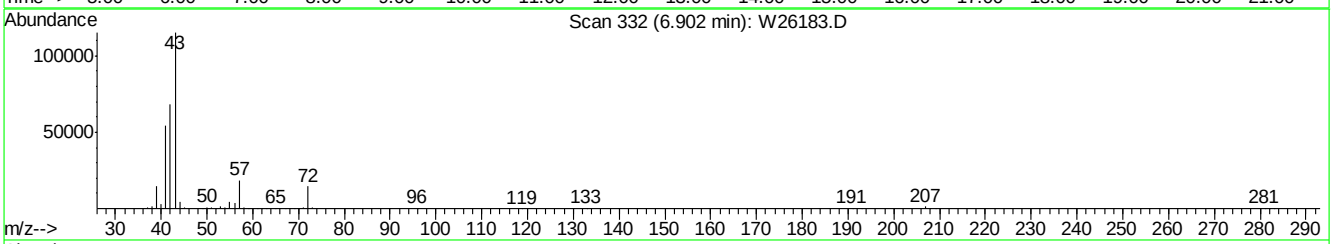
ACCUTEST Laboratories JA45152

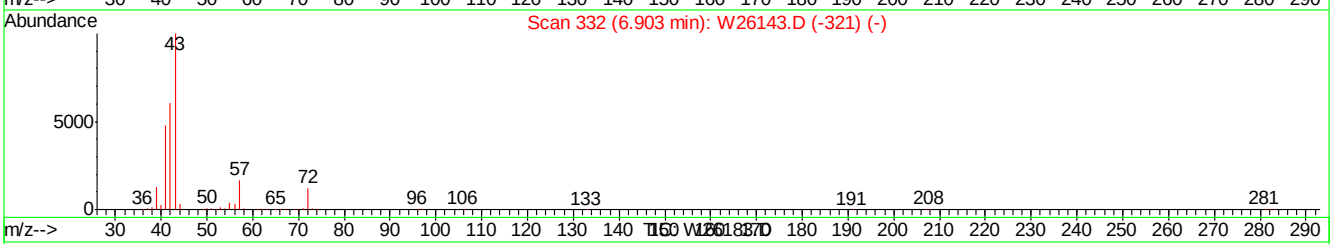
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 8.24PPBV m

response 911169

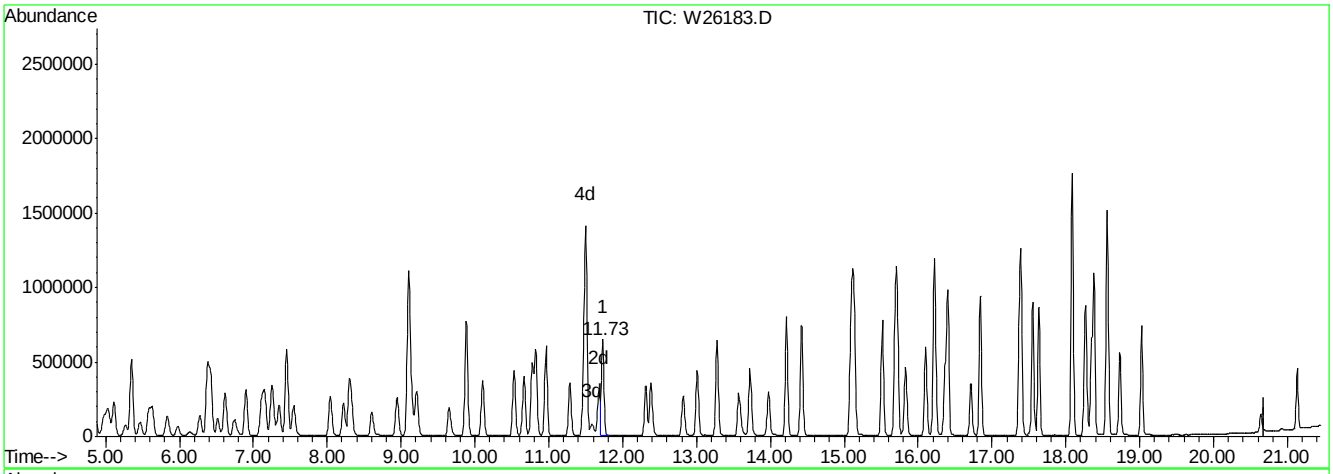
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26183.D MW1082.M Fri May 07 09:36:32 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26183.D Vial: 3
Acq On : 6 May 2010 10:44 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.73min 7.77PPBV m

response 1501079

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26183.D MW1082.M Fri May 07 09:36:35 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:47 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	141067	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	720563	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	332719	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	332719	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	182411	5.67	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 113.40%				
Target Compounds							Qvalue
3) FREON 152A	4.97	65	103392	8.73	PPBV		98
4) CHLORODIFLUOROMETHANE	5.01	67	35685	8.29	PPBV		100
5) DICHLORODIFLUOROMETHANE	5.11	85	396808	8.16	PPBV		100
6) PROPYLENE	5.04	41	137917	8.18	PPBV		100
7) FREON 114	5.35	85	502975	8.55	PPBV		99
8) CHLOROMETHANE	5.27	52	50506	8.53	PPBV		97
9) VINYL CHLORIDE	5.47	62	192862	8.58	PPBV		100
10) 1,3-BUTADIENE	5.59	54	151731	8.79	PPBV		98
11) n-BUTANE	5.63	43	288771	8.55	PPBV		99
12) BROMOMETHANE	5.83	94	175585	9.01	PPBV		100
13) CHLOROETHANE	5.98	64	111778	9.09	PPBV		99
14) ACROLEIN	6.39	56	67629	9.96	PPBV		99
15) FREON 123	6.38	83	452169	8.81	PPBV	#	99
16) FREON 123A	6.42	117	263997	8.53	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.62	101	409519	8.41	PPBV		99
18) ISOPROPYL ALCOHOL	6.74	45	308978	9.49	PPBV		100
19) ACETONE	6.52	58	87853	9.81	PPBV		96
20) PENTANE	6.90	57	56450	8.83	PPBV		96
21) TVHC as EQUIV PENTANE	6.90	TIC	935285m	8.31	PPBV		
22) IODOMETHANE	7.11	142	502342	9.02	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.15	96	193285	8.85	PPBV		98
24) CARBON DISULFIDE	7.55	76	546460	8.82	PPBV		100
25) ETHANOL	6.13	45	72839	9.25	PPBV		97
26) BROMOETHENE	6.27	106	186274	8.87	PPBV		99
27) METHYLENE CHLORIDE	7.25	84	164861	8.76	PPBV		98
28) 3-CHLOROPROPENE	7.35	76	94870	9.34	PPBV		95
29) FREON 113	7.45	151	324878	8.68	PPBV		100
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	199579	9.06	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.26	59	391635	9.49	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.30	73	514462	9.50	PPBV		100
33) TETRAHYDROFURAN	9.65	72	96128	10.46	PPBV		97
34) HEXANE	9.10	57	323193	8.77	PPBV		99
35) VINYL ACETATE	8.33	86	52142	11.21	PPBV	#	90
36) 1,1-DICHLOROETHANE	8.22	63	344490	8.92	PPBV		99
37) METHYL ETHYL KETONE	8.60	72	93949	10.49	PPBV		96
38) cis-1,2-DICHLOROETHYLENE	8.94	96	207330	8.97	PPBV		98
39) DI-ISOPROPYL ETHER	9.12	45	648311	9.46	PPBV		100
40) ETHYL ACETATE	9.15	61	60117	9.92	PPBV	#	1
41) CHLOROFORM	9.21	83	365819	8.86	PPBV		100
42) 2,4-DIMETHYLPENTANE	9.89	57	394402	8.82	PPBV		100

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

ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:47 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.10	97	358643	8.53	PPBV		100
44)	CARBON TETRACHLORIDE	10.66	117	373952	8.68	PPBV		100
45)	1,2-DICHLOROETHANE	9.88	62	202563	9.11	PPBV		100
47)	BENZENE	10.53	78	632933	8.49	PPBV		99
48)	CYCLOHEXANE	10.77	84	301157	8.34	PPBV		99
49)	2,3-DIMETHYLPENTANE	10.96	71	158502	8.31	PPBV		97
50)	TRICHLOROETHYLENE	11.50	95	257217	8.25	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	226079	8.37	PPBV		99
52)	BROMODICHLOROMETHANE	11.47	83	397158	8.44	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.50	57	1025077	8.31	PPBV		100
54)	1,4-DIOXANE	11.58	88	129498	8.46	PPBV		98
55)	METHYL METHACRYLATE	11.68	69	206818	9.64	PPBV		96
56)	HEPTANE	11.73	43	356054	7.97	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.73	TIC	1577079m	8.08	PPBV		
58)	METHYL ISOBUTYL KETONE	12.38	43	369310	9.20	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.32	75	332880	8.74	PPBV		98
60)	TOLUENE	13.28	92	451896	8.80	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.82	75	259327	9.23	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.01	83	202502	8.93	PPBV		100
64)	2-HEXANONE	13.57	43	341399	9.50	PPBV		99
65)	TETRACHLOROETHYLENE	14.43	164	293357	7.96	PPBV		100
66)	DIBROMOCHLOROMETHANE	13.72	129	400119	8.28	PPBV		99
67)	1,2-DIBROMOETHANE	13.97	107	334433	8.86	PPBV		100
68)	OCTANE	14.22	43	471653	8.03	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	307454	8.17	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	565019	8.36	PPBV		99
71)	ETHYLBENZENE	15.52	91	921256	8.67	PPBV		100
72)	m,p-XYLENE	15.71	106	732818	17.64	PPBV		99
73)	o-XYLENE	16.22	106	354263	8.76	PPBV		99
74)	STYRENE	16.10	104	517309	9.92	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.36	75	328018	8.95	PPBV		99
76)	NONANE	16.40	43	449486	8.69	PPBV		99
77)	BROMOFORM	15.83	173	380009	8.79	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	435907	9.04	PPBV		100
80)	ISOPROPYLBENZENE	16.85	105	995840	8.84	PPBV		100
81)	2-CHLOROTOLUENE	17.37	126	235928	9.00	PPBV		100
82)	n-PROPYLBENZENE	17.39	120	270494	9.88	PPBV		97
83)	4-ETHYLTOLUENE	17.55	105	894174	10.32	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.63	105	711535	9.43	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	192716	9.46	PPBV		98
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	687664	10.00	PPBV		99
87)	m-DICHLOROBENZENE	18.27	146	418448	10.50	PPBV		100
88)	BENZYL CHLORIDE	18.25	91	468923	12.12	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	398144	10.97	PPBV		100
90)	SEC-BUTYLBENZENE	18.38	134	222013	9.73	PPBV		99
91)	p-ISOPROPYLTOLUENE	18.56	134	216996	10.08	PPBV		98
92)	o-DICHLOROBENZENE	18.73	146	368162	9.96	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	168211	11.60	PPBV		98
94)	HEXACHLOROBUTADIENE	21.13	225	102809	8.45	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:47 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

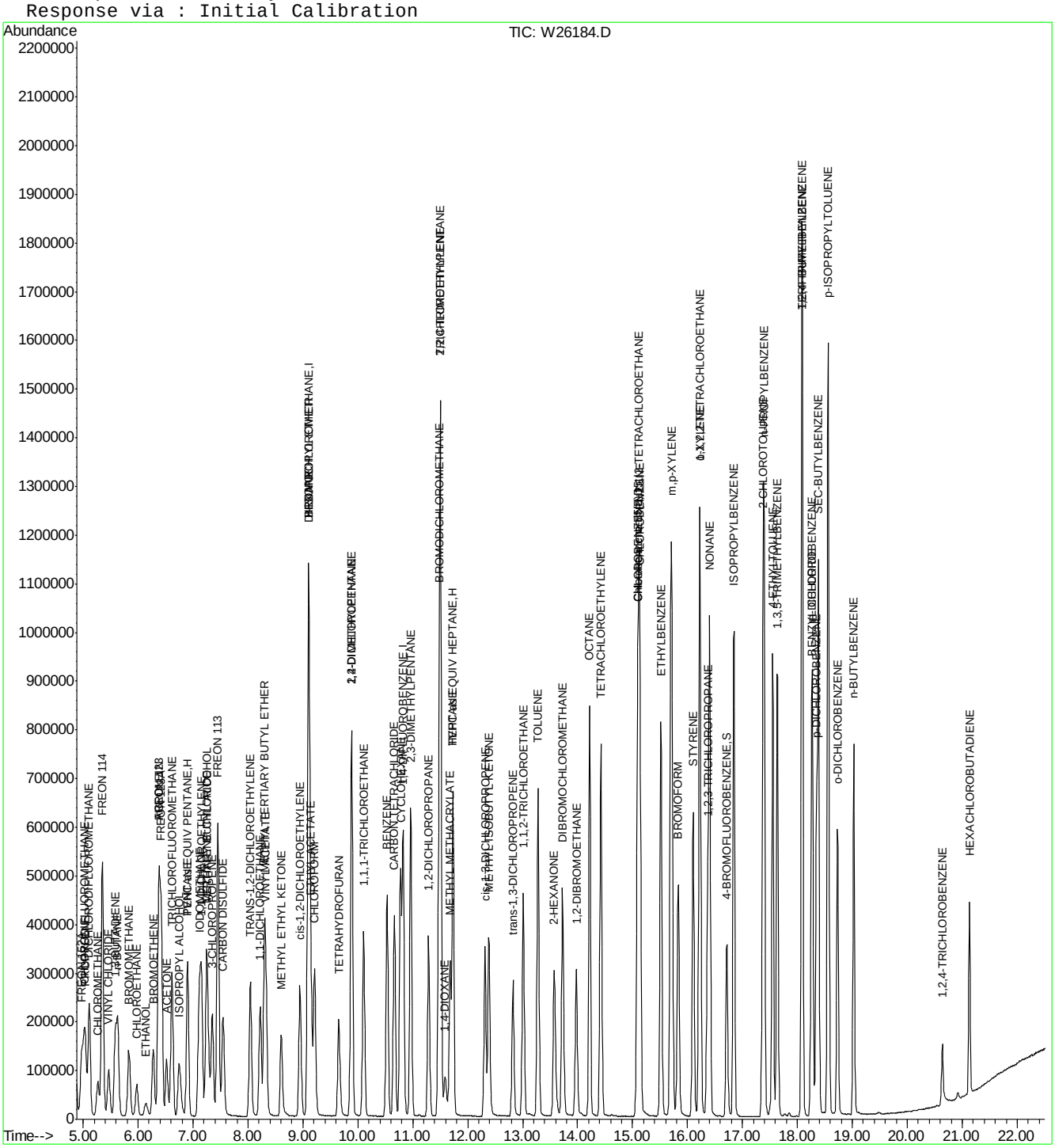
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	78339	10.29	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26184.D MW1082.M Fri May 07 09:36:41 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

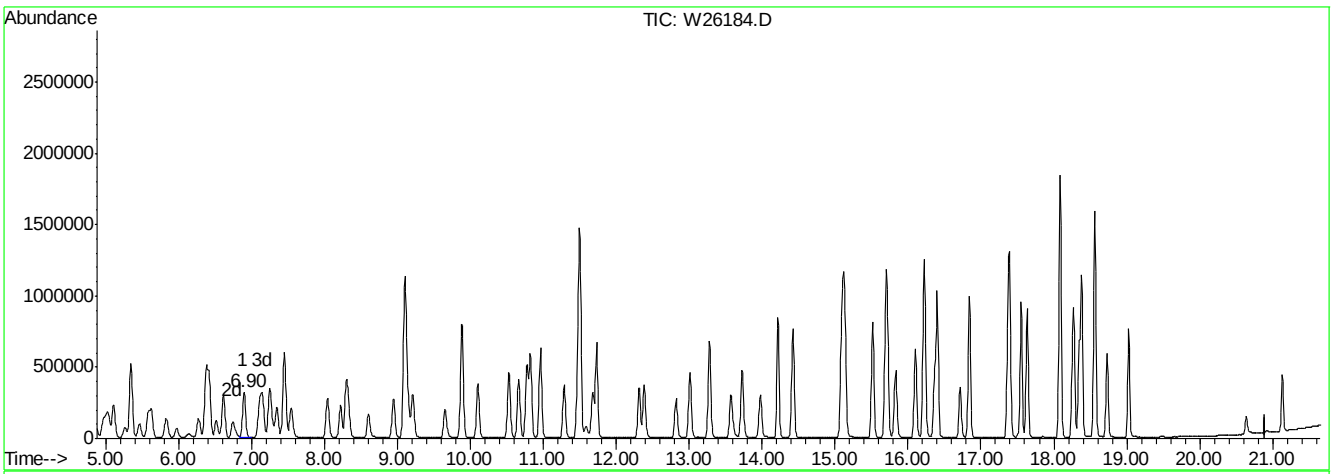


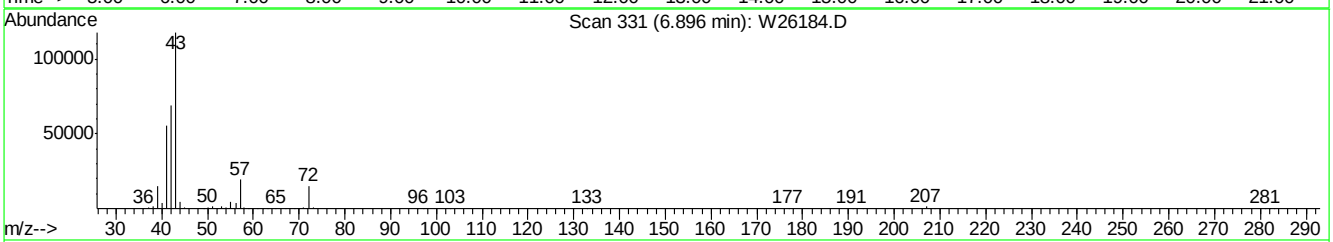
ACCUTEST JA45152 Laboratories

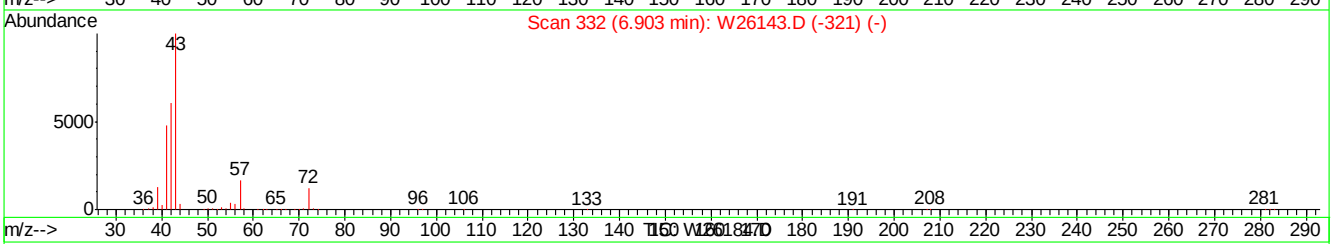
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 8.31PPBV m

response 935285

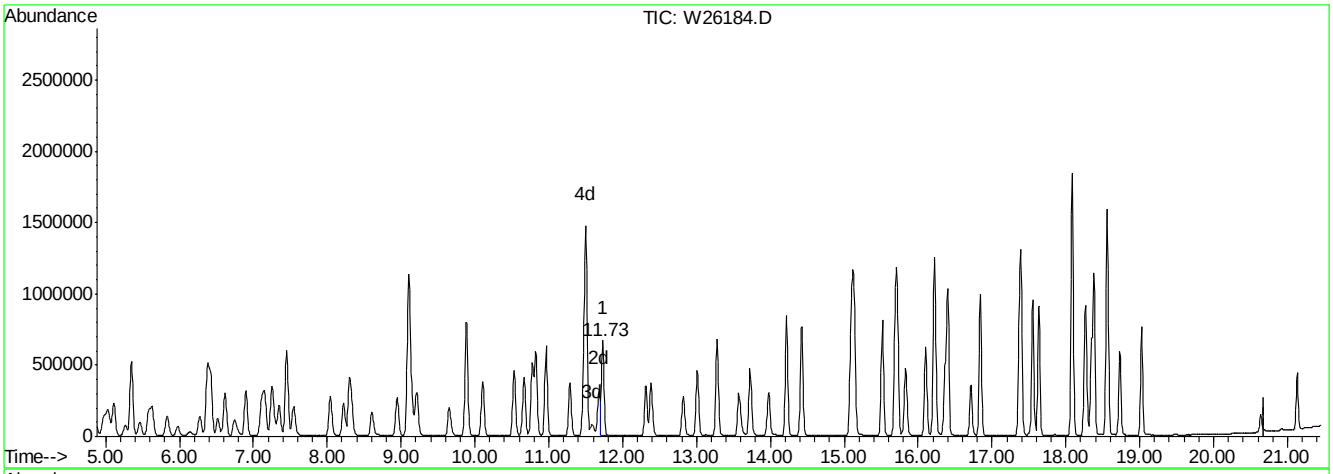
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26184.D MW1082.M Fri May 07 09:36:46 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26184.D Vial: 3
Acq On : 6 May 2010 11:25 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.73min 8.08PPBV m

response 1577079

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26184.D MW1082.M Fri May 07 09:36:50 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26728.D Vial: 3
Acq On : 13 Apr 2010 10:23 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:47:25 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 09:51:51 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	264703	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.15	114	1153295	10.00	PPBV		-0.02
63) CHLOROBENZENE-D5	15.64	82	558124	10.00	PPBV		-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	558385	10.00	PPBV		-0.01
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	310577	5.84	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 116.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	1207761	10.79	PPBV		97
4) FREON 152A	4.97	65	267449	11.56	PPBV		94
5) CHLORODIFLUOROMETHANE	5.00	67	153396	12.08	PPBV		91
6) PROPYLENE	5.03	41	296054	10.16	PPBV		94
8) FREON 114	5.31	85	1213204	11.18	PPBV		96
9) CHLOROMETHANE	5.25	52	119048	10.64	PPBV		93
10) VINYL CHLORIDE	5.43	62	432253	11.57	PPBV		99
11) 1,3-BUTADIENE	5.54	54	308034	10.15	PPBV		90
12) n-BUTANE	5.57	43	609106	9.39	PPBV		99
13) BROMOMETHANE	5.79	94	461432	11.04	PPBV		99
14) CHLOROETHANE	5.92	64	218813	10.52	PPBV		97
15) FREON 123	6.33	83	896925	10.10	PPBV	#	97
16) FREON 123A	6.38	117	589336	10.12	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.58	101	1283941	11.79	PPBV		99
18) ISOPROPYL ALCOHOL	6.66	45	593466	10.41	PPBV		100
19) ACETONE	6.46	58	126024	8.76	PPBV	#	66
20) PENTANE	6.83	42	391436	9.83	PPBV		94
23) IODOMETHANE	7.10	142	1146017	10.90	PPBV		92
24) 1,1-DICHLOROETHYLENE	7.15	96	344243	9.59	PPBV		90
25) CARBON DISULFIDE	7.55	76	937115	9.32	PPBV		95
26) ETHANOL	6.05	45	142319	9.91	PPBV		100
27) BROMOETHENE	6.24	106	476969	12.01	PPBV		98
28) METHYLENE CHLORIDE	7.28	84	280371	9.22	PPBV		95
29) 3-CHLOROPROPENE	7.36	76	147082	9.97	PPBV	#	90
30) FREON 113	7.46	151	657800	10.24	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	363732	10.53	PPBV		95
32) TERTIARY BUTYL ALCOHOL	7.19	59	720455	10.63	PPBV		97
33) METHYL TERTIARY BUTYL ETHE	8.31	73	846752	9.61	PPBV		98
34) TETRAHYDROFURAN	9.78	72	129138	9.79	PPBV		99
35) HEXANE	9.17	57	409466	8.83	PPBV		94
36) VINYL ACETATE	8.42	86	62730	9.98	PPBV	#	90
37) 1,1-DICHLOROETHANE	8.30	63	580854	9.30	PPBV		98
38) METHYL ETHYL KETONE	8.67	72	121555	8.90	PPBV		93
39) cis-1,2-DICHLOROETHYLENE	9.14	96	338123	8.85	PPBV		93
40) ETHYL ACETATE	9.28	61	68976	10.82	PPBV	#	70
41) CHLOROFORM	9.39	83	734568	10.29	PPBV		99
42) 2,4-DIMETHYLPENTANE	10.02	57	541760	9.35	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.34	97	870721	10.12	PPBV		99
44) CARBON TETRACHLORIDE	10.95	117	920684	11.27	PPBV		99
45) 1,2-DICHLOROETHANE	10.10	62	540260	11.30	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26728.D Vial: 3
Acq On : 13 Apr 2010 10:23 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:47:25 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 09:51:51 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

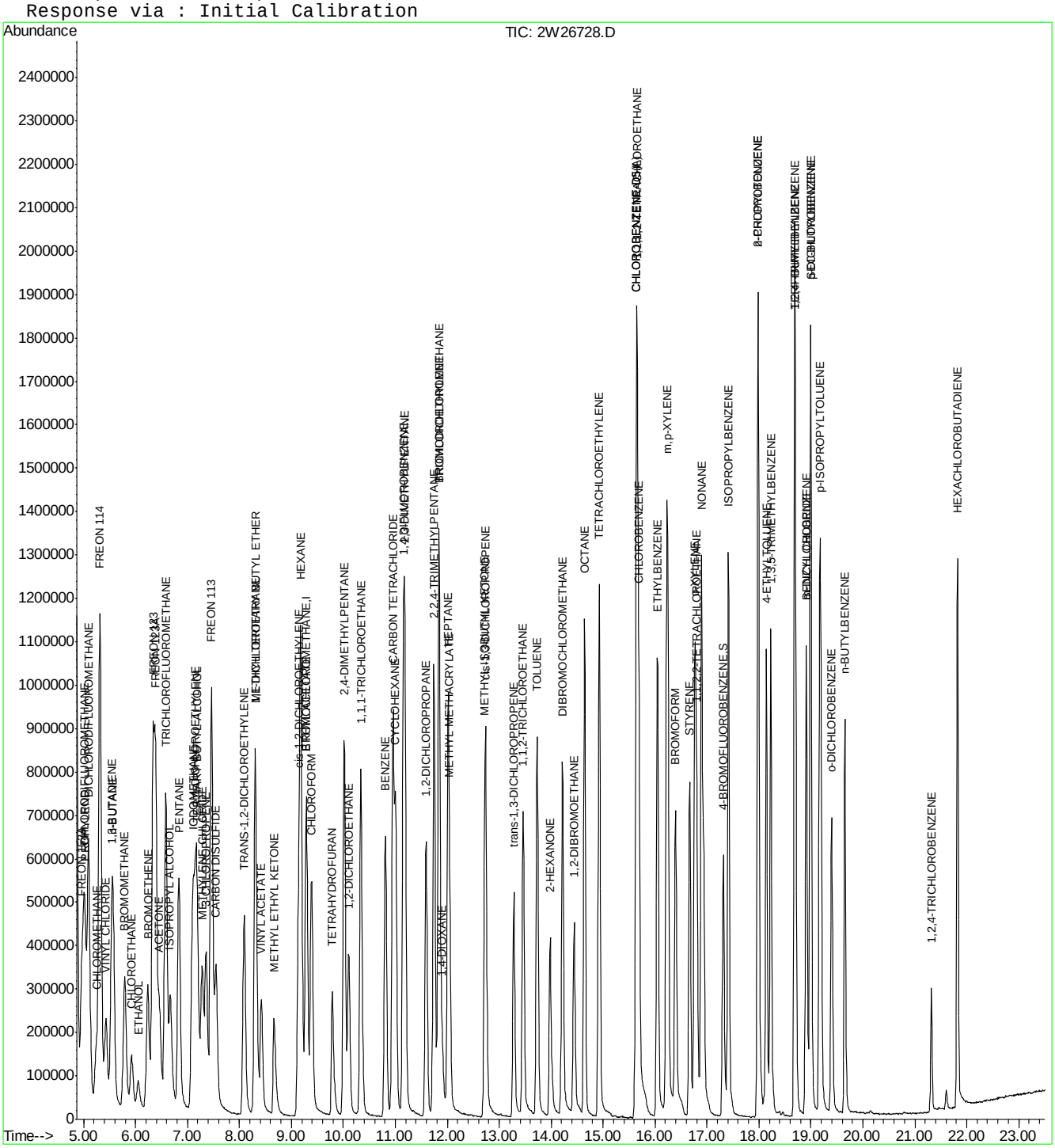
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	885351	9.16	PPBV		96
48)	CYCLOHEXANE	11.00	84	546136	9.25	PPBV		95
49)	2,3-DIMETHYLPENTANE	11.18	71	200240	8.70	PPBV		100
50)	TRICHLOROETHYLENE	11.85	95	396410	9.02	PPBV		96
51)	1,2-DICHLOROPROPANE	11.59	63	302913	9.22	PPBV		92
52)	BROMODICHLOROMETHANE	11.83	83	682290	10.03	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.74	57	1271710	8.59	PPBV		99
54)	1,4-DIOXANE	11.90	88	158649	8.26	PPBV		93
55)	METHYL METHACRYLATE	12.05	69	229415	10.57	PPBV	#	1
56)	HEPTANE	12.02	43	460961	8.76	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.72	43	506823	10.87	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.74	75	491876	10.40	PPBV		89
60)	TOLUENE	13.73	92	599063	9.49	PPBV		93
61)	trans-1,3-DICHLOROPROPENE	13.28	75	456701	11.90	PPBV		96
62)	1,1,2-TRICHLOROETHANE	13.46	83	275105	10.24	PPBV		98
64)	2-HEXANONE	13.98	58	224625	9.68	PPBV		92
65)	TETRACHLOROETHYLENE	14.92	164	459192	8.23	PPBV		95
66)	DIBROMOCHLOROMETHANE	14.22	129	719313	10.20	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	503673	9.86	PPBV		99
68)	OCTANE	14.64	43	591931	8.19	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.65	131	518465	9.67	PPBV		96
70)	CHLOROBENZENE	15.69	112	666486	9.07	PPBV		96
71)	ETHYLBENZENE	16.04	91	1134554	9.10	PPBV		97
72)	m,p-XYLENE	16.24	106	857931	16.84	PPBV		89
73)	o-XYLENE	16.77	106	427926	8.13	PPBV	#	87
74)	STYRENE	16.66	104	571380	10.51	PPBV		93
75)	NONANE	16.90	43	530127	8.84	PPBV		99
76)	BROMOFORM	16.40	173	572119	11.92	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	479663	9.21	PPBV		99
79)	ISOPROPYLBENZENE	17.41	105	1211221	8.75	PPBV		96
80)	2-CHLOROTOLUENE	17.98	126	301597	8.87	PPBV		98
81)	n-PROPYLBENZENE	17.98	120	311667	9.68	PPBV		89
82)	4-ETHYLTOLUENE	18.14	105	942359	10.15	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	883558	9.52	PPBV		95
84)	TERT-BUTYLBENZENE	18.69	134	235518	9.30	PPBV		91
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	757301	9.39	PPBV		97
86)	m-DICHLOROBENZENE	18.91	146	433157	10.49	PPBV		98
87)	BENZYL CHLORIDE	18.90	91	435900	9.85	PPBV		97
88)	p-DICHLOROBENZENE	18.99	146	393854	9.41	PPBV		99
89)	SEC-BUTYLBENZENE	19.00	134	255611	9.19	PPBV		98
90)	p-ISOPROPYLTOLUENE	19.17	134	256546	9.38	PPBV		91
91)	o-DICHLOROBENZENE	19.40	146	418507	9.46	PPBV		98
92)	n-BUTYLBENZENE	19.65	134	195045	9.78	PPBV		98
93)	HEXACHLOROBUTADIENE	21.82	225	326873	12.60	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	21.32	180	134130	10.00	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26728.D Vial: 3
Acq On : 13 Apr 2010 10:23 am Operator: yunxiac
Sample : BS Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 15:26 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration



ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26729.D Vial: 3
Acq On : 13 Apr 2010 11:07 am Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 11:39:24 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	247912	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1080060	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.64	82	485439	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.64	82	485895	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	258605	5.59	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 111.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	1220789	11.64	PPBV		97
4) FREON 152A	4.97	65	256687	11.84	PPBV		91
5) CHLORODIFLUOROMETHANE	5.00	67	149781	12.59	PPBV		93
6) PROPYLENE	5.03	41	292081	10.70	PPBV		96
8) FREON 114	5.31	85	1183696	11.64	PPBV		96
9) CHLOROMETHANE	5.25	52	114992	10.98	PPBV	#	88
10) VINYL CHLORIDE	5.43	62	429449	12.27	PPBV		99
11) 1,3-BUTADIENE	5.54	54	304363	10.71	PPBV		91
12) n-BUTANE	5.57	43	598088	9.85	PPBV		98
13) BROMOMETHANE	5.79	94	460471	11.76	PPBV		99
14) CHLOROETHANE	5.93	64	220747	11.34	PPBV		99
15) FREON 123	6.33	83	874793	10.52	PPBV	#	98
16) FREON 123A	6.39	117	577108	10.58	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.58	101	1279208	12.54	PPBV		99
18) ISOPROPYL ALCOHOL	6.68	45	628734	11.77	PPBV		97
19) ACETONE	6.46	58	136836	10.15	PPBV	#	87
20) PENTANE	6.83	42	384287	10.31	PPBV		94
23) IODOMETHANE	7.10	142	1153344	11.71	PPBV		95
24) 1,1-DICHLOROETHYLENE	7.16	96	353740	10.52	PPBV		93
25) CARBON DISULFIDE	7.55	76	960176	10.20	PPBV		95
26) ETHANOL	6.07	45	144235	10.72	PPBV		99
27) BROMOETHENE	6.24	106	474936	12.77	PPBV		99
28) METHYLENE CHLORIDE	7.28	84	282244	9.91	PPBV		97
29) 3-CHLOROPROPENE	7.36	76	145939	10.57	PPBV	#	91
30) FREON 113	7.46	151	665713	11.07	PPBV		97
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	360639	11.15	PPBV		96
32) TERTIARY BUTYL ALCOHOL	7.20	59	785140	12.37	PPBV		97
33) METHYL TERTIARY BUTYL ETHE	8.31	73	862475	10.45	PPBV		99
34) TETRAHYDROFURAN	9.78	72	127771	10.34	PPBV		99
35) HEXANE	9.18	57	405568	9.33	PPBV		94
36) VINYL ACETATE	8.43	86	60099	10.21	PPBV	#	86
37) 1,1-DICHLOROETHANE	8.30	63	574054	9.82	PPBV		98
38) METHYL ETHYL KETONE	8.67	72	130417	10.20	PPBV		97
39) cis-1,2-DICHLOROETHYLENE	9.14	96	344764	9.63	PPBV		96
40) ETHYL ACETATE	9.28	61	71439	11.97	PPBV	#	70
41) CHLOROFORM	9.39	83	729015	10.90	PPBV		99
42) 2,4-DIMETHYLPENTANE	10.02	57	541733	9.98	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.34	97	852029	10.58	PPBV		98
44) CARBON TETRACHLORIDE	10.96	117	900271	11.77	PPBV		99
45) 1,2-DICHLOROETHANE	10.11	62	519240	11.59	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26729.D Vial: 3
Acq On : 13 Apr 2010 11:07 am Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 11:39:24 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

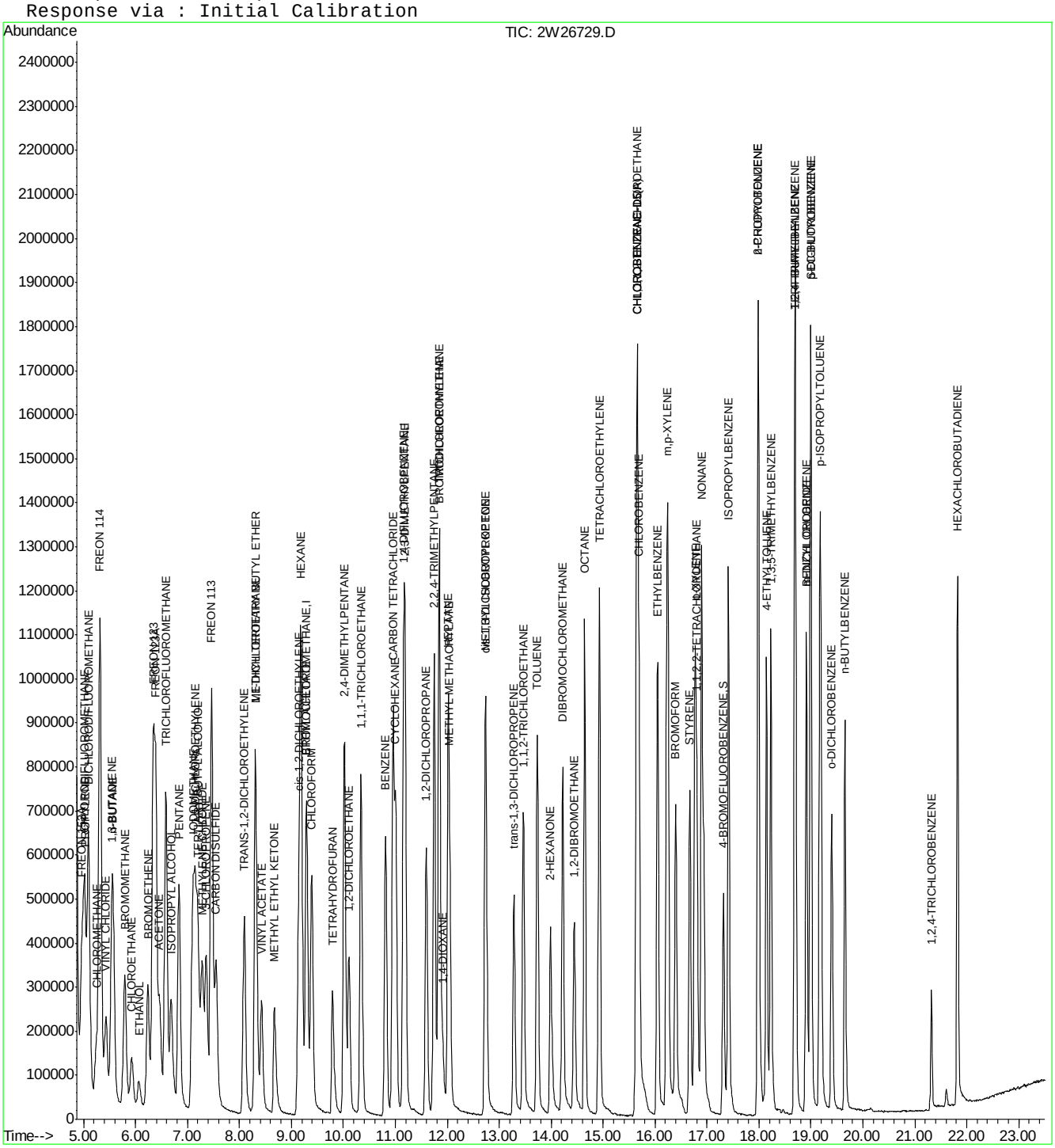
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	869475	9.60	PPBV		96
48)	CYCLOHEXANE	11.01	84	545422	9.86	PPBV		96
49)	2,3-DIMETHYLPENTANE	11.19	71	203639	9.45	PPBV		99
50)	TRICHLOROETHYLENE	11.85	95	395452	9.61	PPBV		97
51)	1,2-DICHLOROPROPANE	11.60	63	298194	9.69	PPBV		91
52)	BROMODICHLOROMETHANE	11.83	83	677202	10.63	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1279325	9.22	PPBV		99
54)	1,4-DIOXANE	11.91	88	173979	9.68	PPBV		95
55)	METHYL METHACRYLATE	12.05	69	244251	12.02	PPBV		97
56)	HEPTANE	12.02	43	458384	9.30	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.73	43	538673	12.34	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.75	75	485373	10.96	PPBV		88
60)	TOLUENE	13.73	92	598147	10.12	PPBV		94
61)	trans-1,3-DICHLOROPROPENE	13.28	75	444861	12.37	PPBV		96
62)	1,1,2-TRICHLOROETHANE	13.46	83	275278	10.94	PPBV		98
64)	2-HEXANONE	13.99	58	235298	11.66	PPBV		94
65)	TETRACHLOROETHYLENE	14.93	164	461040	9.50	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.22	129	708398	11.55	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	497506	11.20	PPBV		99
68)	OCTANE	14.64	43	588435	9.36	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.66	131	513817	11.02	PPBV		88
70)	CHLOROBENZENE	15.69	112	671403	10.51	PPBV		96
71)	ETHYLBENZENE	16.05	91	1119726	10.33	PPBV		96
72)	m,p-XYLENE	16.24	106	850431	19.19	PPBV		89
73)	o-XYLENE	16.77	106	417606	9.12	PPBV	#	85
74)	STYRENE	16.67	104	557675	11.79	PPBV		93
75)	NONANE	16.90	43	531401	10.19	PPBV		99
76)	BROMOFORM	16.40	173	545155	13.06	PPBV		98
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	483120	10.66	PPBV		100
79)	ISOPROPYLBENZENE	17.41	105	1196824	9.94	PPBV		97
80)	2-CHLOROTOLUENE	17.98	126	297674	10.06	PPBV		98
81)	n-PROPYLBENZENE	17.98	120	302417	10.80	PPBV		87
82)	4-ETHYLTOLUENE	18.15	105	947306	11.73	PPBV		95
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	873121	10.82	PPBV		95
84)	TERT-BUTYLBENZENE	18.69	134	233862	10.62	PPBV		91
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	754494	10.75	PPBV		97
86)	m-DICHLOROBENZENE	18.92	146	434264	12.09	PPBV		98
87)	BENZYL CHLORIDE	18.91	91	433916	11.27	PPBV		97
88)	p-DICHLOROBENZENE	18.99	146	394652	10.84	PPBV		98
89)	SEC-BUTYLBENZENE	19.00	134	257101	10.62	PPBV		98
90)	p-ISOPROPYLTOLUENE	19.17	134	266557	11.20	PPBV		95
91)	o-DICHLOROBENZENE	19.40	146	419633	10.91	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	197057	11.36	PPBV		97
93)	HEXACHLOROBUTADIENE	21.82	225	313546	13.89	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	21.32	180	134546	11.54	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26729.D Vial: 3
Acq On : 13 Apr 2010 11:07 am Operator: yunxiac
Sample : BSD Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 15:27 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 08 13:12:19 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:24 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	102026	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	504004	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	257403	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	257789	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	145301	5.11	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.20%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	86125	9.48	PPBV	98
4) CHLORODIFLUOROMETHANE	4.19	67	31887	9.02	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.26	85	342528	9.47	PPBV	99
6) PROPYLENE	4.21	41	101612	10.14	PPBV	99
7) FREON 114	4.43	85	350912	9.25	PPBV	98
8) CHLOROMETHANE	4.38	50	110538	9.33	PPBV	97
9) VINYL CHLORIDE	4.52	62	128776	9.36	PPBV	100
10) 1,3-BUTADIENE	4.60	54	91163	9.95	PPBV	97
11) n-BUTANE	4.63	43	168642	9.16	PPBV	99
12) BROMOMETHANE	4.80	94	122935	9.54	PPBV	100
13) CHLOROETHANE	4.90	64	65522	9.49	PPBV	99
14) FREON 123	5.22	83	281793	9.27	PPBV	100
15) FREON 123A	5.26	117	169676	9.35	PPBV	94
16) TRICHLOROFLUOROMETHANE	5.41	101	316392	9.25	PPBV	100
17) ISOPROPYL ALCOHOL	5.48	45	168729	8.68	PPBV	99
18) ACETONE	5.31	58	47928	8.33	PPBV	97
19) PENTANE	5.62	42	105255	8.68	PPBV	98
20) TVHC as EQUIV PENTANE	5.62	TIC	489332m	8.89	PPBV	
21) IODOMETHANE	5.82	142	323127	9.76	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.87	96	113712	9.16	PPBV	96
23) CARBON DISULFIDE	6.18	76	336268	9.07	PPBV	99
24) ETHANOL	5.02	45	41404	8.05	PPBV	99
25) BROMOETHENE	5.14	106	123928	9.80	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	102476	9.02	PPBV	97
27) 3-CHLOROPROPENE	6.03	76	52767	9.57	PPBV	93
28) FREON 113	6.12	151	198095	9.22	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	122807	9.77	PPBV	100
30) TERTIARY BUTYL ALCOHOL	5.89	59	229884	9.72	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.80	73	298643	9.65	PPBV	98
32) TETRAHYDROFURAN	8.08	72	53753	10.46	PPBV	94
33) HEXANE	7.56	57	176992	10.30	PPBV	98
34) VINYL ACETATE	6.91	86	25312	10.91	PPBV #	86
35) 1,1-DICHLOROETHANE	6.80	63	216400	9.65	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	53353	10.48	PPBV	97
37) cis-1,2-DICHLOROETHYLENE	7.52	96	125560	10.26	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	315015	10.29	PPBV	99
39) ETHYL ACETATE	7.65	61	30131	9.82	PPBV #	92
40) CHLOROFORM	7.74	83	249326	9.82	PPBV	99
41) 2,4-DIMETHYLPENTANE	8.32	57	227642	10.23	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.59	97	258998	9.72	PPBV	100

(#) = qualifier out of range (m) = manual integration
3W16258.D M3W644.M Thu Apr 15 10:17:55 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:24 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	266464	9.43	PPBV	100
44)	1,2-DICHLOROETHANE	8.37	62	141016	9.84	PPBV	100
46)	BENZENE	9.02	78	370078	9.75	PPBV	99
47)	CYCLOHEXANE	9.20	56	191719	9.99	PPBV	96
48)	2,3-DIMETHYLPENTANE	9.38	71	85017	9.20	PPBV	97
49)	TRICHLOROETHYLENE	9.97	95	154262	9.62	PPBV	97
50)	1,2-DICHLOROPROPANE	9.73	63	136803	9.43	PPBV	99
51)	BROMODICHLOROMETHANE	9.96	83	259194	10.24	PPBV	99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	576574	10.04	PPBV	100
53)	1,4-DIOXANE	10.02	88	72416	9.20	PPBV	98
54)	HEPTANE	10.16	43	200003	10.34	PPBV	96
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1293422m	10.37	PPBV	
56)	METHYL METHACRYLATE	10.17	69	104767	10.99	PPBV	94
57)	METHYL ISOBUTYL KETONE	10.79	43	211700	11.84	PPBV	98
58)	cis-1,3-DICHLOROPROPENE	10.81	75	198804	10.83	PPBV	99
59)	TOLUENE	11.75	92	240518	9.58	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	11.32	75	158756	10.87	PPBV	99
61)	1,1,2-TRICHLOROETHANE	11.49	83	121948	10.47	PPBV	99
63)	2-HEXANONE	11.99	43	201407	10.78	PPBV	97
64)	TETRACHLOROETHYLENE	12.89	164	157763	8.90	PPBV	98
65)	DIBROMOCHLOROMETHANE	12.20	129	252748	10.27	PPBV	100
66)	1,2-DIBROMOETHANE	12.41	107	192513	10.14	PPBV	100
67)	OCTANE	12.66	43	275219	10.89	PPBV	95
68)	1,1,1,2-TETRACHLOROETHANE	13.59	131	170242	9.61	PPBV	99
69)	CHLOROBENZENE	13.62	112	281184	9.28	PPBV	98
70)	ETHYLBENZENE	13.99	91	480878	9.82	PPBV	99
71)	m,p-XYLENE	14.17	106	348174	19.77	PPBV	97
72)	o-XYLENE	14.69	106	171014	9.96	PPBV	99
73)	STYRENE	14.59	104	238360	10.54	PPBV	99
74)	NONANE	14.86	43	245605	11.36	PPBV	98
75)	BROMOFORM	14.29	173	207555	10.60	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	232100	10.34	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.83	75	180900	10.05	PPBV	98
79)	ISOPROPYLBENZENE	15.33	105	494954	9.59	PPBV	99
80)	2-CHLOROTOLUENE	15.90	126	111986	10.31	PPBV	99
81)	n-PROPYLBENZENE	15.92	120	120888	10.10	PPBV	100
82)	4-ETHYLTOLUENE	16.09	105	420348	10.63	PPBV	99
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	354241	10.37	PPBV	99
84)	tert-BUTYLBENZENE	16.67	134	78938	9.76	PPBV	99
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	323463	10.81	PPBV	99
86)	m-DICHLOROBENZENE	16.88	146	185057	10.06	PPBV	99
87)	BENZYL CHLORIDE	16.87	91	212274	10.64	PPBV	99
88)	p-DICHLOROBENZENE	16.96	146	171071	9.79	PPBV	99
89)	sec-BUTYLBENZENE	16.99	134	93020	9.92	PPBV	97
90)	p-ISOPROPYLTOLUENE	17.18	134	91190	9.61	PPBV	98
91)	o-DICHLOROBENZENE	17.38	146	163174	9.80	PPBV	99
92)	n-BUTYLBENZENE	17.69	134	69000	9.51	PPBV	94
93)	HEXACHLOROBUTADIENE	19.93	225	61357	10.62	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.39	180	34254	11.36	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:24 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

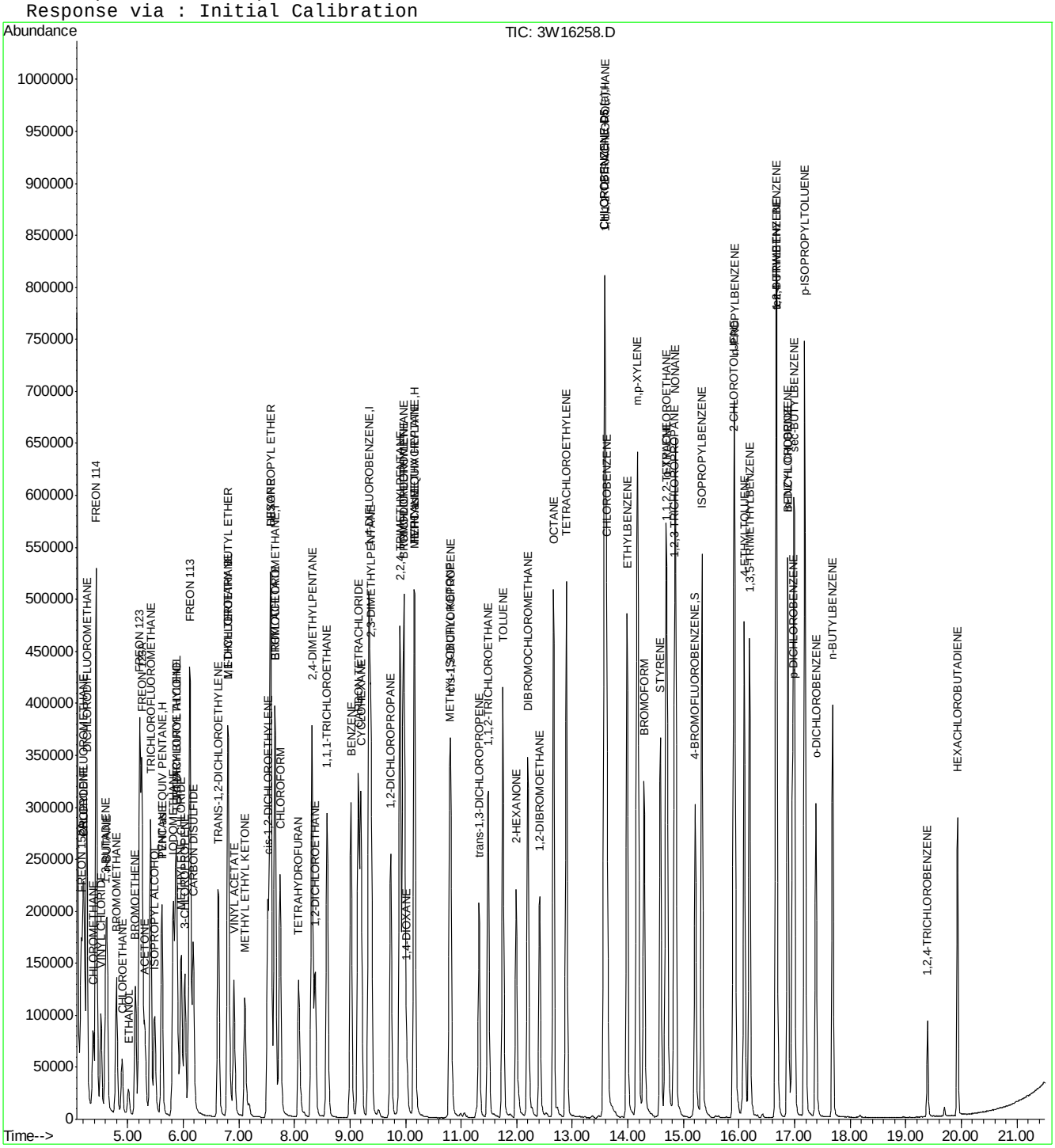
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

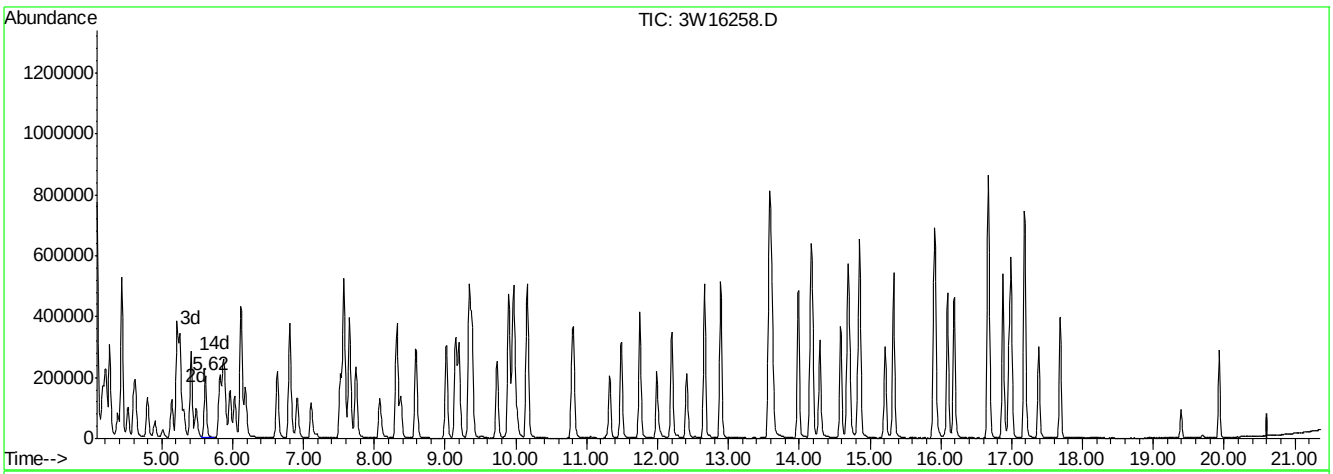


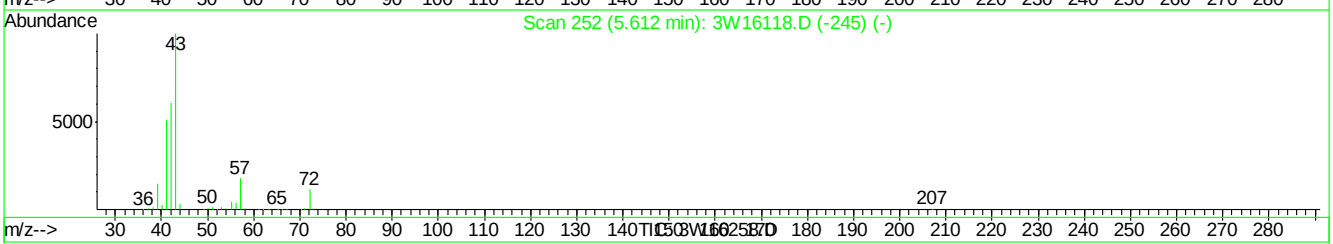
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.62min 8.89PPBV m

response 489332

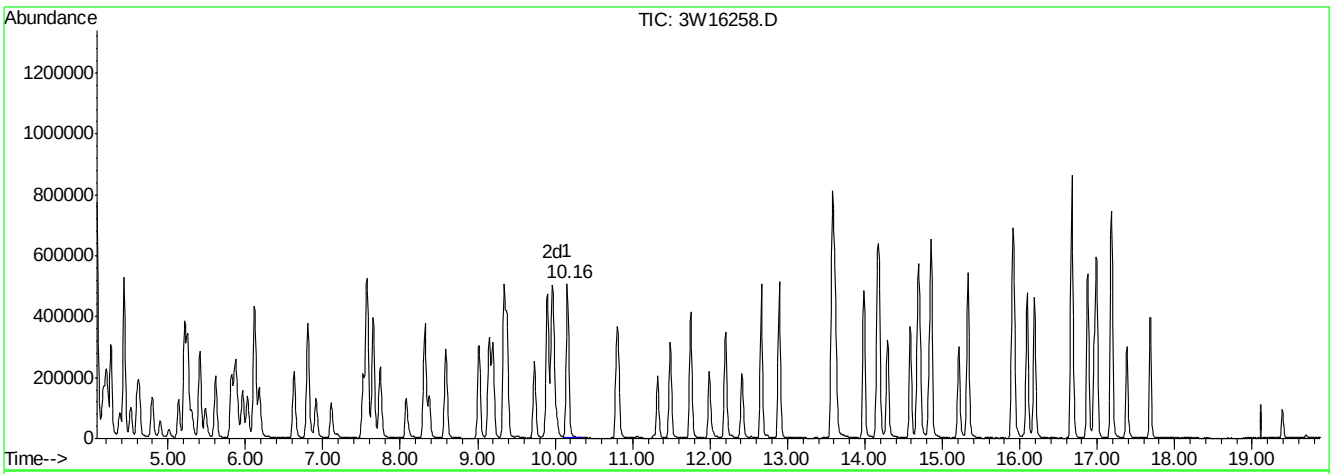
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16258.D M3W644.M Thu Apr 15 10:18:01 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16258.D Vial: 3
Acq On : 14 Apr 2010 10:56 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.37PPBV m

response 1293422

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16258.D M3W644.M Thu Apr 15 10:18:03 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:26 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	101521	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	497263	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	251640	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	252038	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	143091	5.15	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.00%			
Target Compounds						Qvalue
3) FREON 152A	4.17	65	85822	9.49	PPBV	98
4) CHLORODIFLUOROMETHANE	4.20	67	31881	9.07	PPBV	92
5) DICHLORODIFLUOROMETHANE	4.27	85	343997	9.56	PPBV	99
6) PROPYLENE	4.22	41	101642	10.19	PPBV	99
7) FREON 114	4.44	85	356581	9.45	PPBV	99
8) CHLOROMETHANE	4.38	50	113838	9.66	PPBV	99
9) VINYL CHLORIDE	4.52	62	133057	9.72	PPBV	99
10) 1,3-BUTADIENE	4.61	54	95203	10.45	PPBV	96
11) n-BUTANE	4.63	43	175720	9.59	PPBV	99
12) BROMOMETHANE	4.80	94	126702	9.88	PPBV	100
13) CHLOROETHANE	4.91	64	67569	9.84	PPBV	99
14) FREON 123	5.22	83	288699	9.55	PPBV	100
15) FREON 123A	5.27	117	173308	9.59	PPBV	94
16) TRICHLOROFLUOROMETHANE	5.42	101	318810	9.37	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	173436	8.97	PPBV	100
18) ACETONE	5.32	58	49014	8.56	PPBV	93
19) PENTANE	5.62	42	106792	8.85	PPBV	98
20) TVHC as EQUIV PENTANE	5.62	TIC	502333m	9.17	PPBV	
21) IODOMETHANE	5.83	142	329968	10.02	PPBV	98
22) 1,1-DICHLOROETHYLENE	5.87	96	117571	9.52	PPBV	95
23) CARBON DISULFIDE	6.19	76	351130	9.52	PPBV	99
24) ETHANOL	5.03	45	43266	8.46	PPBV	99
25) BROMOETHENE	5.14	106	126351	10.04	PPBV	100
26) METHYLENE CHLORIDE	5.97	84	103998	9.20	PPBV	97
27) 3-CHLOROPROPENE	6.04	76	54244	9.89	PPBV	93
28) FREON 113	6.13	151	201649	9.44	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	123143	9.85	PPBV	100
30) TERTIARY BUTYL ALCOHOL	5.91	59	236910	10.07	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	299831	9.73	PPBV	99
32) TETRAHYDROFURAN	8.09	72	53695	10.50	PPBV	96
33) HEXANE	7.57	57	178418	10.43	PPBV	98
34) VINYL ACETATE	6.93	86	25404	11.00	PPBV #	91
35) 1,1-DICHLOROETHANE	6.82	63	217669	9.76	PPBV	100
36) METHYL ETHYL KETONE	7.12	72	53785	10.62	PPBV	99
37) cis-1,2-DICHLOROETHYLENE	7.53	96	126987	10.43	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	313106	10.28	PPBV	99
39) ETHYL ACETATE	7.67	61	30200	9.89	PPBV	95
40) CHLOROFORM	7.75	83	249437	9.87	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.33	57	227545	10.28	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.60	97	259324	9.78	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:26 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	266653	9.49	PPBV	99
44)	1,2-DICHLOROETHANE	8.38	62	140638	9.86	PPBV	99
46)	BENZENE	9.02	78	371923	9.93	PPBV	99
47)	CYCLOHEXANE	9.20	56	191391	10.10	PPBV	97
48)	2,3-DIMETHYLPENTANE	9.38	71	84443	9.27	PPBV	97
49)	TRICHLOROETHYLENE	9.98	95	154154	9.75	PPBV	98
50)	1,2-DICHLOROPROPANE	9.74	63	136173	9.51	PPBV	99
51)	BROMODICHLOROMETHANE	9.96	83	259088	10.37	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	574794	10.14	PPBV	100
53)	1,4-DIOXANE	10.03	88	73671	9.49	PPBV	99
54)	HEPTANE	10.16	43	198608	10.41	PPBV	97
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1295039m	10.52	PPBV	
56)	METHYL METHACRYLATE	10.17	69	105480	11.22	PPBV	96
57)	METHYL ISOBUTYL KETONE	10.80	43	209717	11.89	PPBV	98
58)	cis-1,3-DICHLOROPROPENE	10.82	75	199687	11.02	PPBV	98
59)	TOLUENE	11.76	92	240988	9.73	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	156957	10.90	PPBV	99
61)	1,1,2-TRICHLOROETHANE	11.49	83	122173	10.63	PPBV	99
63)	2-HEXANONE	12.00	43	199201	10.90	PPBV	98
64)	TETRACHLOROETHYLENE	12.90	164	159448	9.20	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.21	129	252041	10.47	PPBV	99
66)	1,2-DIBROMOETHANE	12.42	107	194896	10.50	PPBV	100
67)	OCTANE	12.67	43	272074	11.02	PPBV	96
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	172581	9.97	PPBV	100
69)	CHLOROBENZENE	13.62	112	283393	9.57	PPBV	98
70)	ETHYLBENZENE	13.99	91	489295	10.22	PPBV	99
71)	m,p-XYLENE	14.18	106	352825	20.49	PPBV	97
72)	o-XYLENE	14.69	106	173005	10.30	PPBV	98
73)	STYRENE	14.59	104	241568	10.93	PPBV	99
74)	NONANE	14.87	43	245892	11.64	PPBV	98
75)	BROMOFORM	14.30	173	211700	11.06	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	236159	10.77	PPBV	99
78)	1,2,3-TRICHLOROPROPANE	14.84	75	182289	10.36	PPBV	99
79)	ISOPROPYLBENZENE	15.33	105	503085	9.97	PPBV	100
80)	2-CHLOROTOLUENE	15.91	126	114255	10.76	PPBV	99
81)	n-PROPYLBENZENE	15.93	120	122893	10.51	PPBV	99
82)	4-ETHYLTOLUENE	16.10	105	425847	11.02	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	360835	10.80	PPBV	99
84)	tert-BUTYLBENZENE	16.67	134	80568	10.18	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	328156	11.22	PPBV	99
86)	m-DICHLOROBENZENE	16.88	146	188281	10.47	PPBV	100
87)	BENZYL CHLORIDE	16.88	91	216321	11.09	PPBV	100
88)	p-DICHLOROBENZENE	16.97	146	176999	10.36	PPBV	99
89)	sec-BUTYLBENZENE	16.99	134	95485	10.41	PPBV	97
90)	p-ISOPROPYLTOLUENE	17.18	134	94611	10.20	PPBV	100
91)	o-DICHLOROBENZENE	17.39	146	169317	10.40	PPBV	99
92)	n-BUTYLBENZENE	17.69	134	72457	10.21	PPBV	95
93)	HEXACHLOROBUTADIENE	19.93	225	62820	11.12	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	36151	12.27	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:26 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

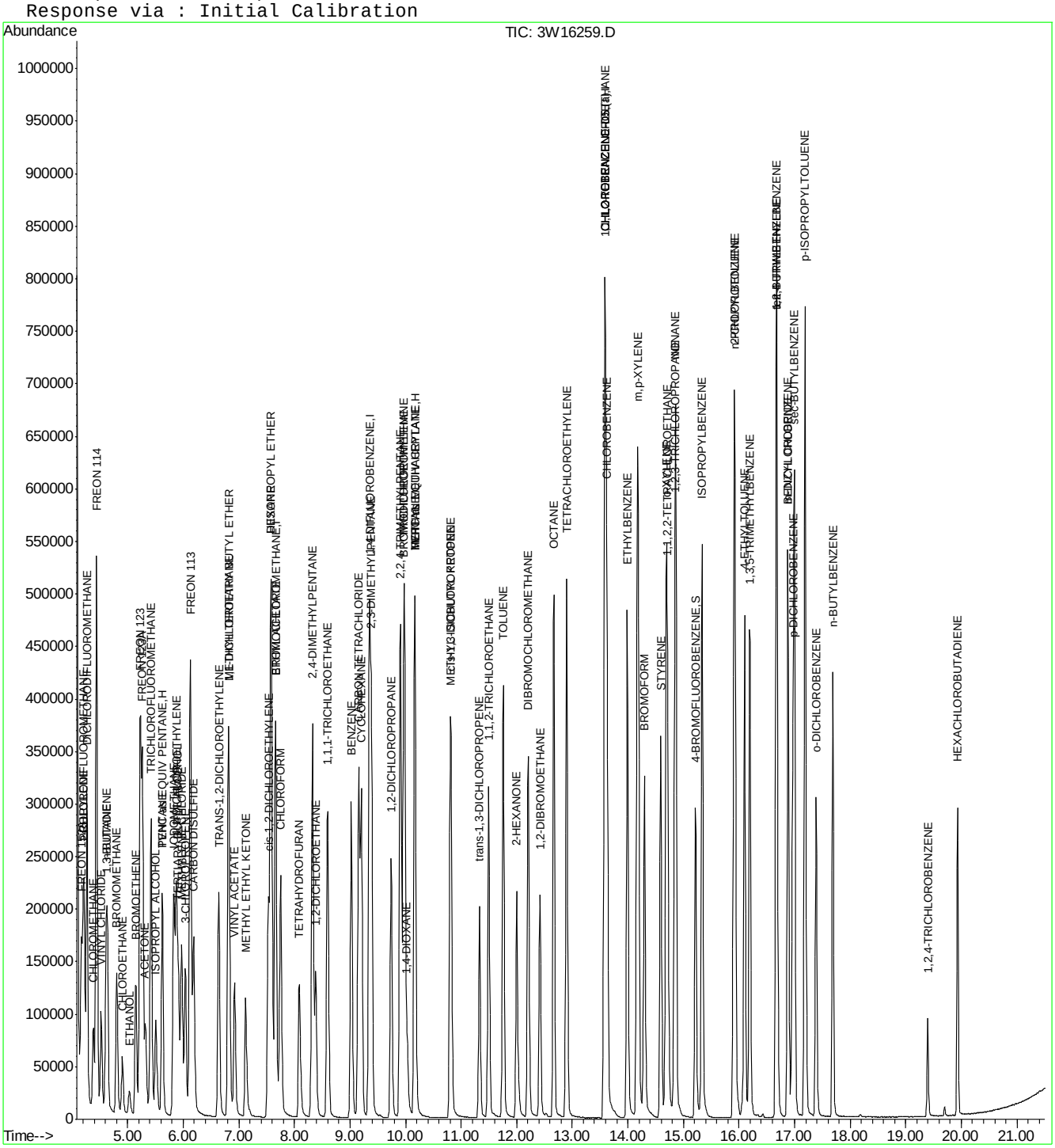
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

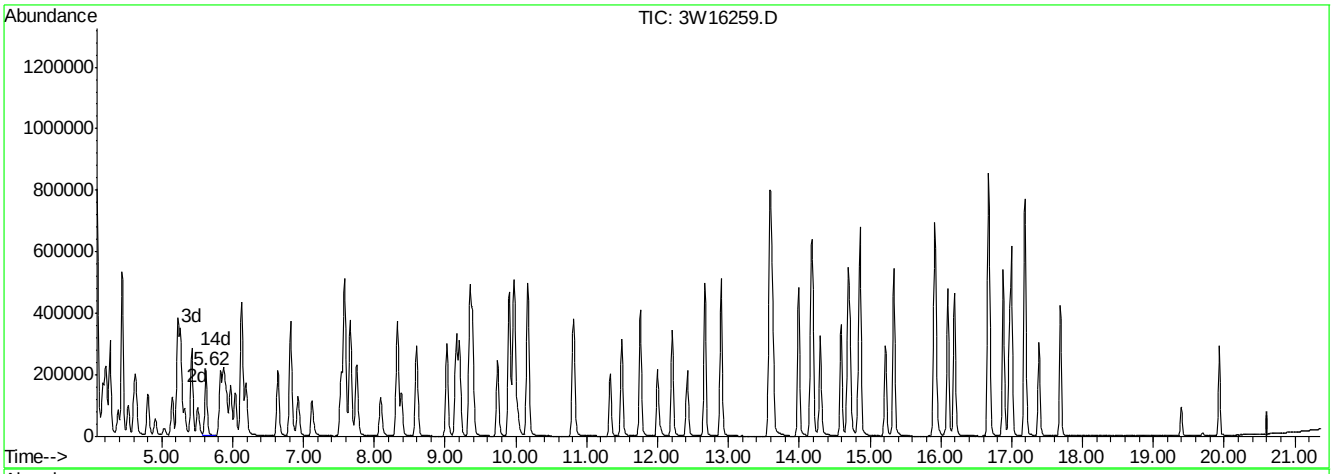


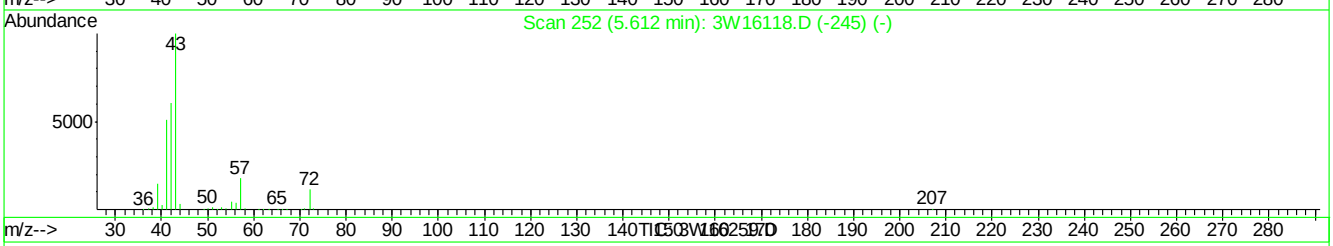
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.62min 9.17PPBV m

response 502333

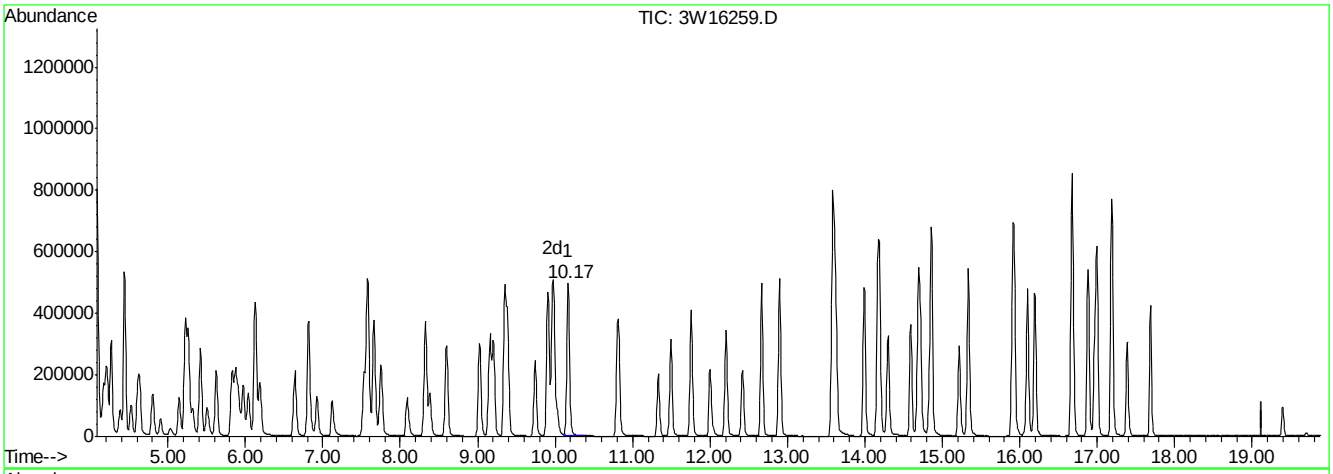
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16259.D M3W644.M Thu Apr 15 10:18:19 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16259.D Vial: 3
Acq On : 14 Apr 2010 11:35 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:40 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.17min 10.52PPBV m

response 1295039

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16259.D M3W644.M Thu Apr 15 10:18:22 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	87357	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	423433	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	219191	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	219191	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	121713	5.03	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	75590	9.72	PPBV	96
4) CHLORODIFLUOROMETHANE	4.19	67	29998	9.92	PPBV	98
5) DICHLORODIFLUOROMETHANE	4.26	85	305208	9.85	PPBV	100
6) PROPYLENE	4.21	41	99297	11.57	PPBV	99
7) FREON 114	4.43	85	304717	9.38	PPBV	100
8) CHLOROMETHANE	4.38	50	102124	10.07	PPBV	96
9) VINYL CHLORIDE	4.52	62	115137	9.78	PPBV	99
10) 1,3-BUTADIENE	4.60	54	82779	10.56	PPBV	96
11) n-BUTANE	4.63	43	163900	10.40	PPBV	98
12) BROMOMETHANE	4.80	94	107165	9.71	PPBV	100
13) CHLOROETHANE	4.90	64	57429	9.72	PPBV	99
14) FREON 123	5.22	83	244076	9.38	PPBV	99
15) FREON 123A	5.25	117	146858	9.45	PPBV	97
16) TRICHLOROFLUOROMETHANE	5.41	101	284498	9.72	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	155392	9.34	PPBV	100
18) ACETONE	5.31	58	43897	8.91	PPBV	93
19) PENTANE	5.61	42	98270	9.46	PPBV	99
20) TVHC as EQUIV PENTANE	5.61	TIC	440228m	9.34	PPBV	
21) IODOMETHANE	5.82	142	276895	9.77	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.87	96	97875	9.21	PPBV	98
23) CARBON DISULFIDE	6.18	76	294510	9.28	PPBV	99
24) ETHANOL	5.02	45	37696	8.56	PPBV	99
25) BROMOETHENE	5.14	106	106132	9.80	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	87682	9.02	PPBV	97
27) 3-CHLOROPROPENE	6.03	76	45780	9.70	PPBV	94
28) FREON 113	6.12	151	171617	9.33	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	99102	9.21	PPBV	97
30) TERTIARY BUTYL ALCOHOL	5.90	59	207707	10.26	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.80	73	244093	9.21	PPBV	98
32) TETRAHYDROFURAN	8.08	72	41775	9.49	PPBV #	90
33) HEXANE	7.56	57	145993	9.92	PPBV	98
34) VINYL ACETATE	6.91	86	19641	9.89	PPBV #	73
35) 1,1-DICHLOROETHANE	6.80	63	178797	9.32	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	41899	9.62	PPBV #	89
37) cis-1,2-DICHLOROETHYLENE	7.52	96	101922	9.73	PPBV	97
38) DIISOPROPYL ETHER	7.58	45	261262	9.96	PPBV	98
39) ETHYL ACETATE	7.66	61	24039	9.15	PPBV #	86
40) CHLOROFORM	7.74	83	207878	9.56	PPBV	99
41) 2,4-DIMETHYLPENTANE	8.32	57	186069	9.77	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.59	97	220502	9.66	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	229809	9.50	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	122507	9.99	PPBV		99
46)	BENZENE	9.02	78	294387	9.23	PPBV		99
47)	CYCLOHEXANE	9.20	56	156070	9.68	PPBV		97
48)	2,3-DIMETHYLPENTANE	9.38	71	68298	8.80	PPBV		95
49)	TRICHLOROETHYLENE	9.97	95	127917	9.50	PPBV		98
50)	1,2-DICHLOROPROPANE	9.74	63	110140	9.03	PPBV		99
51)	BROMODICHLOROMETHANE	9.96	83	218772	10.29	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	471314	9.77	PPBV		99
53)	1,4-DIOXANE	10.02	88	56763	8.59	PPBV		95
54)	HEPTANE	10.16	43	171728	10.57	PPBV		93
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1072365m	10.23	PPBV		
56)	METHYL METHACRYLATE	10.17	69	82547	10.31	PPBV	#	84
57)	METHYL ISOBUTYL KETONE	10.80	43	176347	11.74	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	10.81	75	165208	10.71	PPBV		96
59)	TOLUENE	11.75	92	195731	9.28	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.32	75	132234	10.78	PPBV		97
61)	1,1,2-TRICHLOROETHANE	11.49	83	99984	10.21	PPBV		98
63)	2-HEXANONE	11.99	43	166312	10.45	PPBV		94
64)	TETRACHLOROETHYLENE	12.89	164	132845	8.80	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	211884	10.11	PPBV		100
66)	1,2-DIBROMOETHANE	12.41	107	160938	9.95	PPBV		100
67)	OCTANE	12.66	43	236896	11.01	PPBV		92
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	145166	9.63	PPBV		98
69)	CHLOROBENZENE	13.62	112	233378	9.05	PPBV		98
70)	ETHYLBENZENE	13.99	91	398934	9.56	PPBV		99
71)	m,p-XYLENE	14.18	106	286415	19.10	PPBV		93
72)	o-XYLENE	14.69	106	141917	9.70	PPBV		97
73)	STYRENE	14.59	104	195826	10.17	PPBV		98
74)	NONANE	14.86	43	219156	11.91	PPBV		95
75)	BROMOFORM	14.29	173	178149	10.69	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	192708	10.09	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.84	75	152830	9.97	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	414684	9.43	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	93667	10.13	PPBV		100
81)	n-PROPYLBENZENE	15.92	120	100584	9.87	PPBV		99
82)	4-ETHYLTOLUENE	16.10	105	348967	10.36	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	296299	10.18	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	65902	9.56	PPBV		98
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	273594	10.73	PPBV		98
86)	m-DICHLOROBENZENE	16.88	146	158248	10.10	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	182246	10.73	PPBV		98
88)	p-DICHLOROBENZENE	16.96	146	147398	9.90	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	77027	9.64	PPBV	#	93
90)	p-ISOPROPYLTOLUENE	17.18	134	77067	9.54	PPBV		97
91)	o-DICHLOROBENZENE	17.38	146	141864	10.00	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	59176	9.58	PPBV		93
93)	HEXACHLOROBUTADIENE	19.93	225	51483	10.46	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	31308	12.19	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:02:00 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

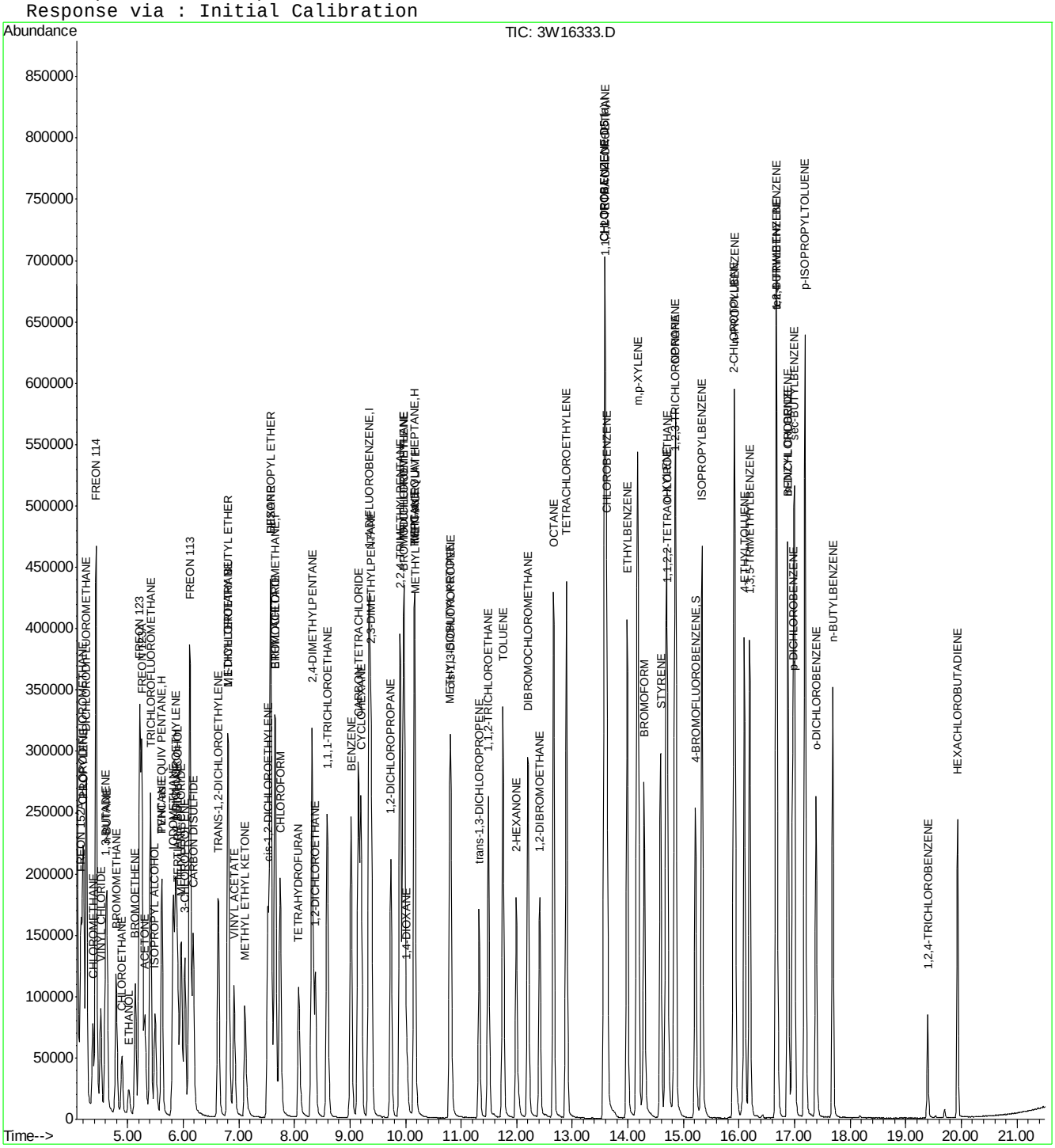
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:14 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

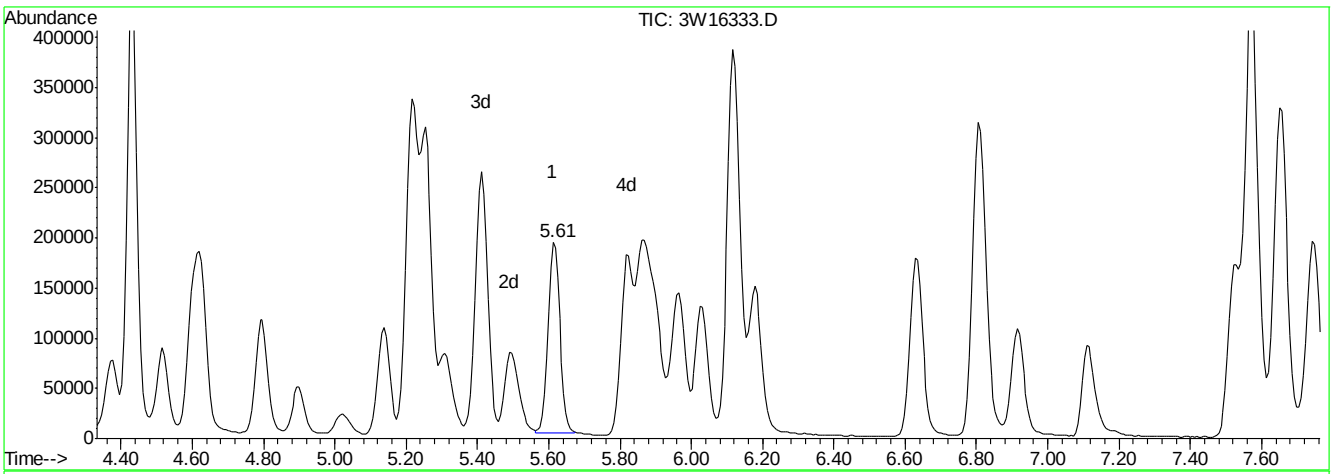


ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:13 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 9.34PPBV m

response 440228

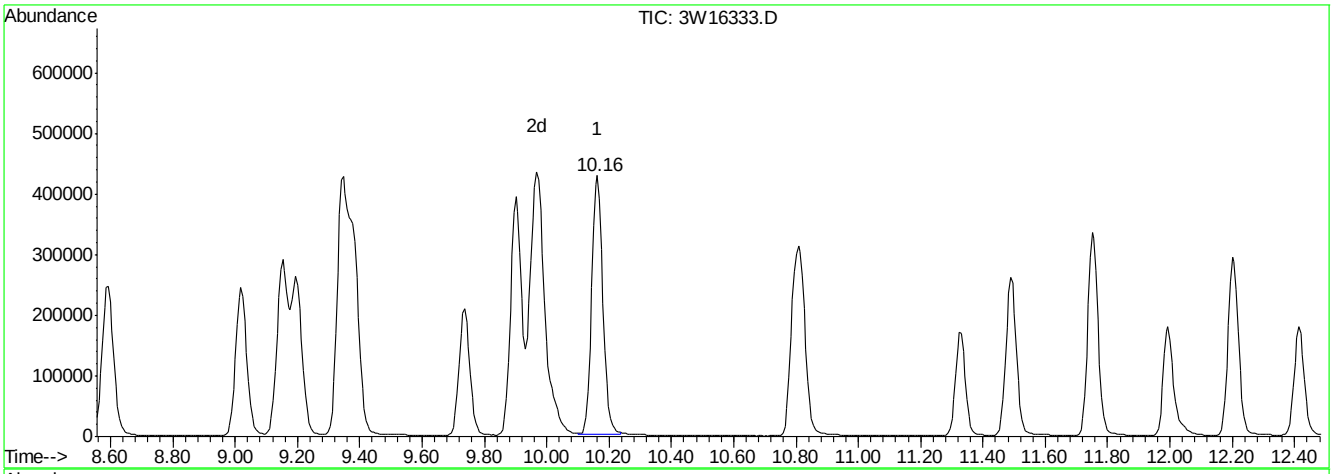
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.03#
0.00	0.00	0.03#
0.00	0.00	0.00

3W16333.D M3W644.M Tue Apr 20 10:14:05 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16333.D Vial: 3
Acq On : 19 Apr 2010 8:40 am Operator: YOUMINH
Sample : BS Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:14 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.23PPBV m

response 1072365

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

3W16333.D M3W644.M Tue Apr 20 10:14:31 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:42:16 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	65569	10.00	PPBV		-0.03
46) 1,4-DIFLUOROBENZENE	10.83	114	299864	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.14	82	158450	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	158450	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	87621	5.25	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 105.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.73	67	22821	9.40	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.82	85	233589	9.65	PPBV		99
6) PROPYLENE	4.76	41	104043	11.74	PPBV		97
7) FREON 114	5.08	85	261465	9.86	PPBV		96
8) CHLOROMETHANE	4.99	52	32665	11.41	PPBV		93
9) VINYL CHLORIDE	5.20	62	116474	11.19	PPBV		99
10) 1,3-BUTADIENE	5.32	54	96190	11.16	PPBV		89
11) n-BUTANE	5.37	43	210844	11.77	PPBV		99
12) BROMOMETHANE	5.58	94	91297	10.46	PPBV		99
13) CHLOROETHANE	5.73	64	65798	11.47	PPBV		100
14) ACROLEIN	6.24	56	39100	10.81	PPBV		98
15) FREON 123	6.18	83	231479	10.27	PPBV	#	98
16) FREON 123A	6.23	117	128972	9.73	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.42	101	240775	10.10	PPBV		100
18) ISOPROPYL ALCOHOL	6.71	45	175714	10.50	PPBV	#	1
19) ACETONE	6.39	58	45134	10.28	PPBV		94
20) PENTANE	6.73	57	35119	11.05	PPBV	#	89
21) TVHC as EQUIV PENTANE	6.72	TIC	900738m	15.22	PPBV		
22) IODOMETHANE	6.94	142	230594	9.73	PPBV		99
23) 1,1-DICHLOROETHYLENE	6.99	96	94505	10.04	PPBV		97
24) CARBON DISULFIDE	7.39	76	299417	10.55	PPBV		99
25) ETHANOL	6.08	45	42683	10.24	PPBV		94
26) BROMOETHENE	6.05	106	93302	10.34	PPBV		99
27) METHYLENE CHLORIDE	7.10	84	88022	10.29	PPBV		96
28) 3-CHLOROPROPENE	7.20	76	49590	10.79	PPBV		98
29) FREON 113	7.31	151	149959	9.41	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	7.93	96	100158	9.81	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.24	59	193280	9.16	PPBV	#	99
32) METHYL TERTIARY BUTYL ETHE	8.22	73	229191	8.93	PPBV		96
33) TETRAHYDROFURAN	9.62	72	40394	9.47	PPBV		93
34) HEXANE	9.04	57	178929	10.52	PPBV		98
35) VINYL ACETATE	8.26	86	22830	9.90	PPBV	#	83
36) 1,1-DICHLOROETHANE	8.12	63	185734	10.29	PPBV		99
37) METHYL ETHYL KETONE	8.57	72	40281	9.57	PPBV	#	88
38) cis-1,2-DICHLOROETHYLENE	8.88	96	98035	9.46	PPBV		97
39) DI-ISOPROPYL ETHER	9.07	45	327966	9.87	PPBV		100
40) ETHYL ACETATE	9.13	61	27540	10.15	PPBV		94
41) CHLOROFORM	9.17	83	185667	9.73	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.87	57	216850	10.72	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.07	97	185155	9.52	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:42:16 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.65	117	192749	9.55	PPBV		100
45)	1,2-DICHLOROETHANE	9.85	62	118747	10.08	PPBV		100
47)	BENZENE	10.51	78	300618	10.56	PPBV		99
48)	CYCLOHEXANE	10.76	84	147799	9.93	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.96	71	79577	11.07	PPBV		95
50)	TRICHLOROETHYLENE	11.51	95	123621	10.39	PPBV		99
51)	1,2-DICHLOROPROPANE	11.30	63	110752	10.84	PPBV		99
52)	BROMODICHLOROMETHANE	11.48	83	198890	10.53	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.52	57	552550	11.37	PPBV		98
54)	1,4-DIOXANE	11.60	88	56613	9.64	PPBV		97
55)	METHYL METHACRYLATE	11.71	69	86486	9.94	PPBV		95
56)	HEPTANE	11.76	43	216005	10.71	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.76	TIC	957982m	10.37	PPBV		
58)	METHYL ISOBUTYL KETONE	12.42	43	198884	10.67	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.34	75	164425	10.77	PPBV		100
60)	TOLUENE	13.31	92	204477	10.42	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.85	75	136065	10.72	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.04	83	93090	10.69	PPBV		99
64)	2-HEXANONE	13.62	43	191354	10.19	PPBV		98
65)	TETRACHLOROETHYLENE	14.47	164	127107	9.08	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.77	129	188107	9.57	PPBV		100
67)	1,2-DIBROMOETHANE	14.02	107	154861	9.83	PPBV		99
68)	OCTANE	14.27	43	282069	11.26	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	135647	9.40	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	253124	9.51	PPBV		100
71)	ETHYLBENZENE	15.57	91	409653	9.87	PPBV		99
72)	m,p-XYLENE	15.76	106	314321	19.76	PPBV		99
73)	o-XYLENE	16.27	106	149996	9.98	PPBV		100
74)	STYRENE	16.15	104	221990	10.26	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.41	75	150359	9.75	PPBV		98
76)	NONANE	16.46	43	262555	11.81	PPBV		97
77)	BROMOFORM	15.88	173	159463	9.18	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	184073	10.11	PPBV		100
80)	ISOPROPYLBENZENE	16.90	105	418547	9.89	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	97619	10.11	PPBV		99
82)	n-PROPYLBENZENE	17.44	120	108853	10.45	PPBV		90
83)	4-ETHYLTOLUENE	17.60	105	358641	10.51	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	284692	9.91	PPBV		82
85)	TERT-BUTYLBENZENE	18.13	134	73110	9.60	PPBV		97
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	271125	10.35	PPBV		99
87)	m-DICHLOROBENZENE	18.32	146	167117	10.36	PPBV		100
88)	BENZYL CHLORIDE	18.30	91	198905	11.48	PPBV		99
89)	p-DICHLOROBENZENE	18.39	146	159407	10.43	PPBV		94
90)	SEC-BUTYLBENZENE	18.43	134	83129	9.85	PPBV		93
91)	p-ISOPROPYLTOLUENE	18.60	134	84619	10.67	PPBV		97
92)	o-DICHLOROBENZENE	18.77	146	148964	10.69	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	58898	9.89	PPBV		91
94)	HEXACHLOROBUTADIENE	21.17	225	33383	7.78	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	27270	8.27	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 09:42:16 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

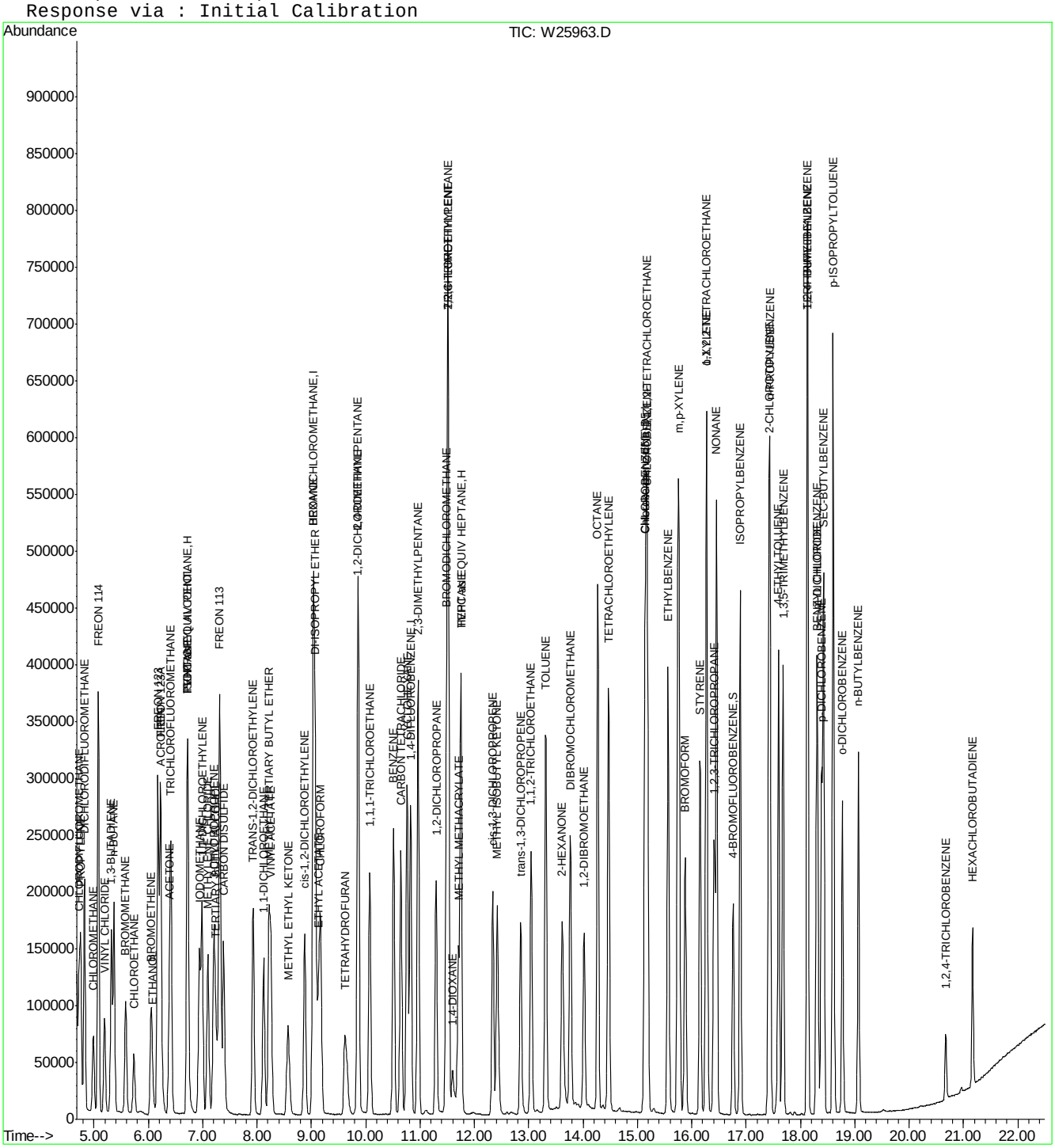
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:09 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration

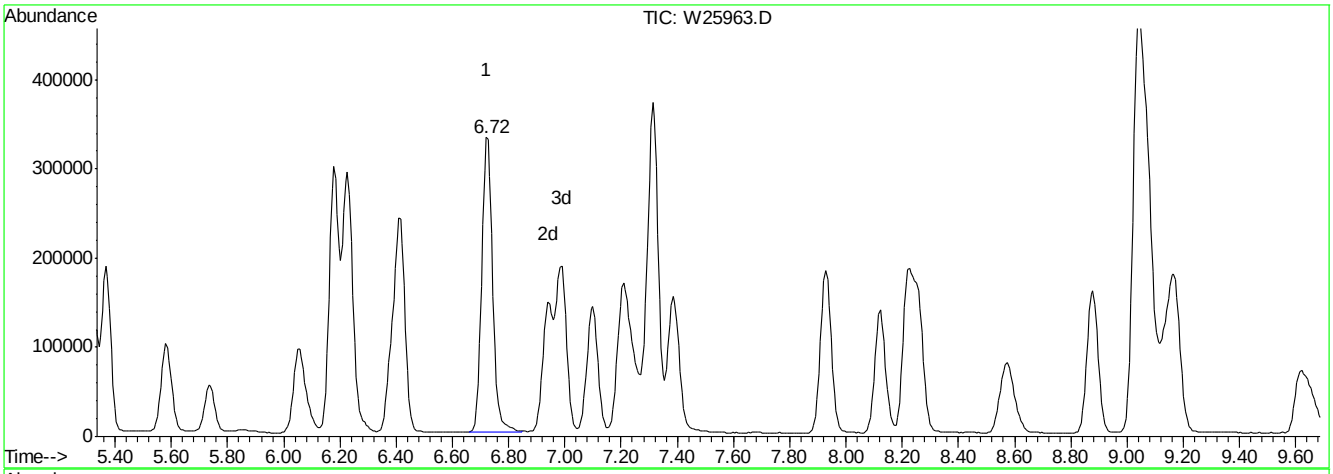


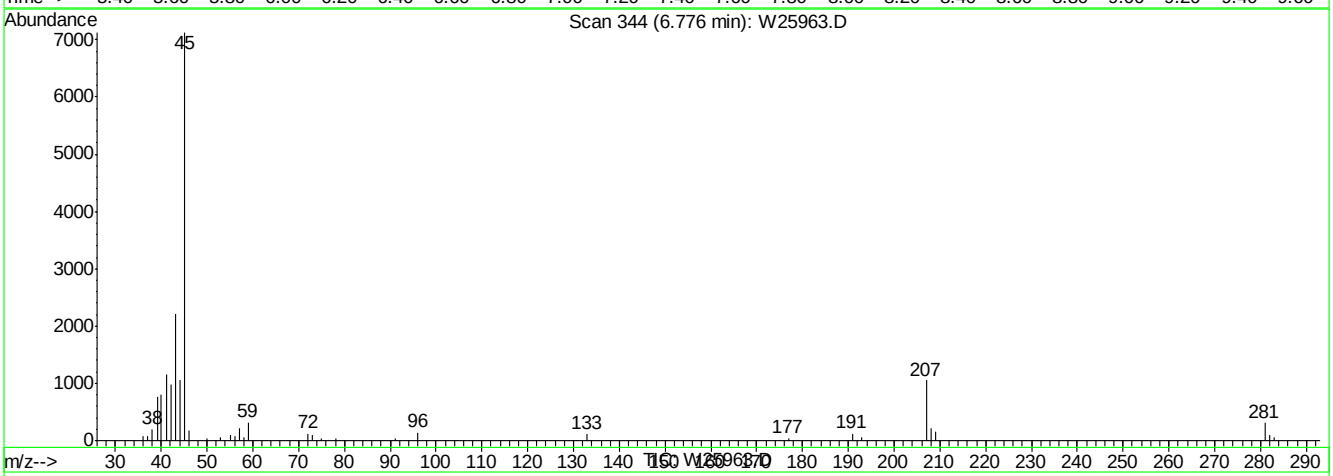
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:09 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.72min 15.22PPBV m

response 900738

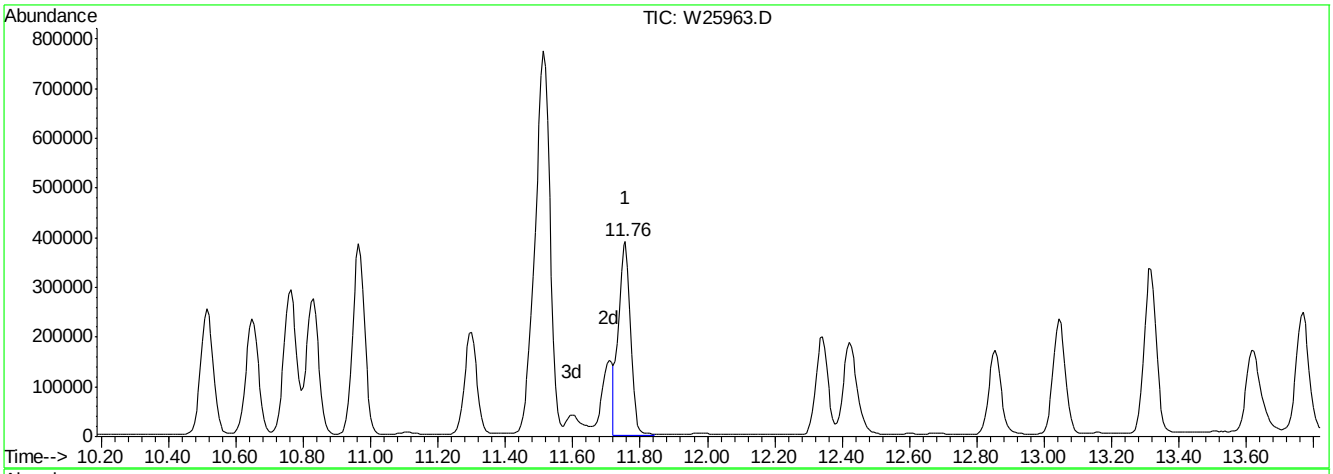
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

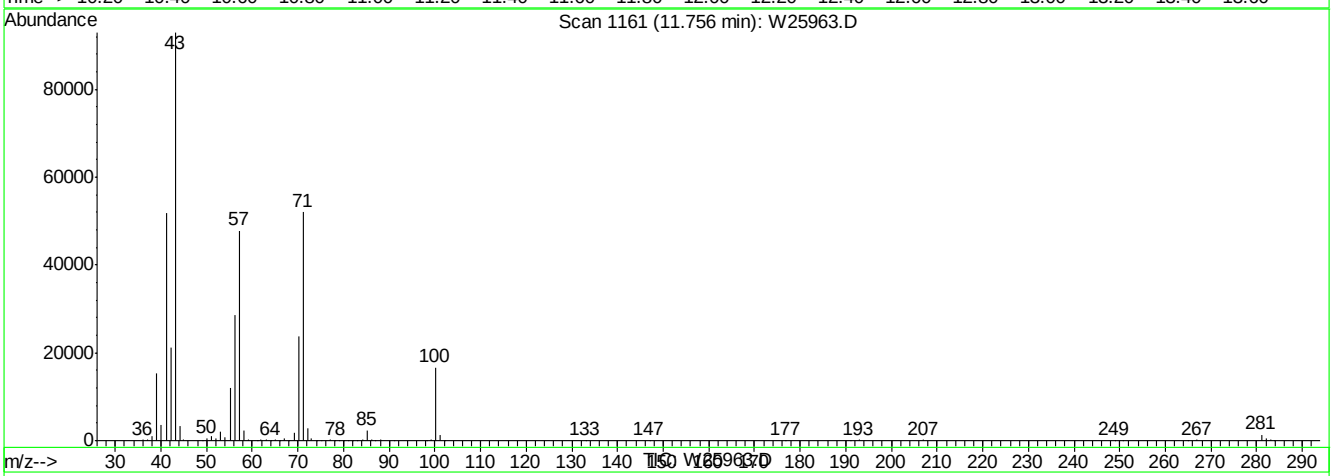
W25963.D MW1071.M Tue Apr 20 15:09:29 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25963.D Vial: 3
Acq On : 19 Apr 2010 9:14 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:09 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.76min 10.37PPBV m

response 957982

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25963.D MW1071.M Tue Apr 20 15:09:53 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	92891	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	458902	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	241346	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	241479	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	138096	5.18	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	78564	9.50	PPBV	95
4) CHLORODIFLUOROMETHANE	4.19	67	30265	9.41	PPBV	98
5) DICHLORODIFLUOROMETHANE	4.26	85	304959	9.26	PPBV	100
6) PROPYLENE	4.21	41	99869	10.94	PPBV	99
7) FREON 114	4.43	85	313528	9.08	PPBV	100
8) CHLOROMETHANE	4.37	50	101815	9.44	PPBV	97
9) VINYL CHLORIDE	4.52	62	116318	9.29	PPBV	100
10) 1,3-BUTADIENE	4.60	54	85750	10.28	PPBV	98
11) n-BUTANE	4.63	43	162066	9.67	PPBV	99
12) BROMOMETHANE	4.79	94	109509	9.33	PPBV	100
13) CHLOROETHANE	4.90	64	60054	9.56	PPBV	99
14) FREON 123	5.22	83	256329	9.26	PPBV	99
15) FREON 123A	5.25	117	155243	9.39	PPBV	95
16) TRICHLOROFLUOROMETHANE	5.41	101	291193	9.35	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	160667	9.08	PPBV	100
18) ACETONE	5.31	58	47838	9.14	PPBV	98
19) PENTANE	5.61	42	99574	9.01	PPBV	99
20) TVHC as EQUIV PENTANE	5.61	TIC	466013m	9.29	PPBV	
21) IODOMETHANE	5.82	142	292171	9.69	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.86	96	101547	8.99	PPBV	100
23) CARBON DISULFIDE	6.18	76	296098	8.77	PPBV	99
24) ETHANOL	5.02	45	40037	8.55	PPBV	97
25) BROMOETHENE	5.14	106	109575	9.51	PPBV	99
26) METHYLENE CHLORIDE	5.96	84	90669	8.77	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	47426	9.45	PPBV	95
28) FREON 113	6.12	151	182804	9.35	PPBV	97
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	103720	9.07	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.90	59	213905	9.94	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.80	73	273363	9.70	PPBV	98
32) TETRAHYDROFURAN	8.08	72	47476	10.14	PPBV	91
33) HEXANE	7.56	57	151838	9.70	PPBV	97
34) VINYL ACETATE	6.91	86	22169	10.50	PPBV #	77
35) 1,1-DICHLOROETHANE	6.80	63	187343	9.18	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	46579	10.05	PPBV	92
37) cis-1,2-DICHLOROETHYLENE	7.52	96	106732	9.58	PPBV	97
38) DIISOPROPYL ETHER	7.58	45	290231	10.41	PPBV	98
39) ETHYL ACETATE	7.66	61	26480	9.48	PPBV #	86
40) CHLOROFORM	7.75	83	215908	9.34	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.32	57	192530	9.51	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.59	97	230203	9.49	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	241140	9.38	PPBV		100
44)	1,2-DICHLOROETHANE	8.37	62	128235	9.83	PPBV		99
46)	BENZENE	9.02	78	312279	9.04	PPBV		99
47)	CYCLOHEXANE	9.20	56	164296	9.40	PPBV		97
48)	2,3-DIMETHYLPENTANE	9.38	71	71580	8.51	PPBV		94
49)	TRICHLOROETHYLENE	9.97	95	133351	9.14	PPBV		98
50)	1,2-DICHLOROPROPANE	9.74	63	118600	8.98	PPBV		99
51)	BROMODICHLOROMETHANE	9.96	83	227635	9.88	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	494526	9.45	PPBV		100
53)	1,4-DIOXANE	10.02	88	61699	8.61	PPBV		96
54)	HEPTANE	10.16	43	177396	10.07	PPBV		94
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1133218m	9.98	PPBV		
56)	METHYL METHACRYLATE	10.17	69	92640	10.67	PPBV	#	89
57)	METHYL ISOBUTYL KETONE	10.80	43	186768	11.48	PPBV		95
58)	cis-1,3-DICHLOROPROPENE	10.81	75	175841	10.52	PPBV		97
59)	TOLUENE	11.75	92	212530	9.30	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	141685	10.66	PPBV		97
61)	1,1,2-TRICHLOROETHANE	11.49	83	107158	10.10	PPBV		99
63)	2-HEXANONE	11.99	43	174531	9.96	PPBV		94
64)	TETRACHLOROETHYLENE	12.89	164	140620	8.46	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	225398	9.76	PPBV		100
66)	1,2-DIBROMOETHANE	12.41	107	172897	9.71	PPBV		100
67)	OCTANE	12.66	43	247583	10.45	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	156902	9.45	PPBV		99
69)	CHLOROBENZENE	13.62	112	254219	8.95	PPBV		98
70)	ETHYLBENZENE	13.99	91	446455	9.72	PPBV		99
71)	m,p-XYLENE	14.18	106	322317	19.52	PPBV		96
72)	o-XYLENE	14.69	106	159931	9.93	PPBV		98
73)	STYRENE	14.59	104	219277	10.35	PPBV		98
74)	NONANE	14.86	43	238907	11.79	PPBV		95
75)	BROMOFORM	14.30	173	195251	10.64	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	214321	10.19	PPBV		100
78)	1,2,3-TRICHLOROPROPANE	14.84	75	172263	10.20	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	465293	9.61	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	105223	10.34	PPBV		99
81)	n-PROPYLBENZENE	15.92	120	113830	10.15	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	398308	10.74	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	338290	10.56	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	75099	9.90	PPBV		98
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	310768	11.07	PPBV		98
86)	m-DICHLOROBENZENE	16.88	146	175324	10.16	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	203891	10.90	PPBV		99
88)	p-DICHLOROBENZENE	16.97	146	165080	10.07	PPBV		100
89)	sec-BUTYLBENZENE	16.99	134	88590	10.07	PPBV		96
90)	p-ISOPROPYLTOLUENE	17.18	134	88475	9.95	PPBV		98
91)	o-DICHLOROBENZENE	17.39	146	159720	10.23	PPBV		100
92)	n-BUTYLBENZENE	17.69	134	66539	9.78	PPBV		93
93)	HEXACHLOROBUTADIENE	19.93	225	56933	10.51	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	32317	11.43	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 17:22:29 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

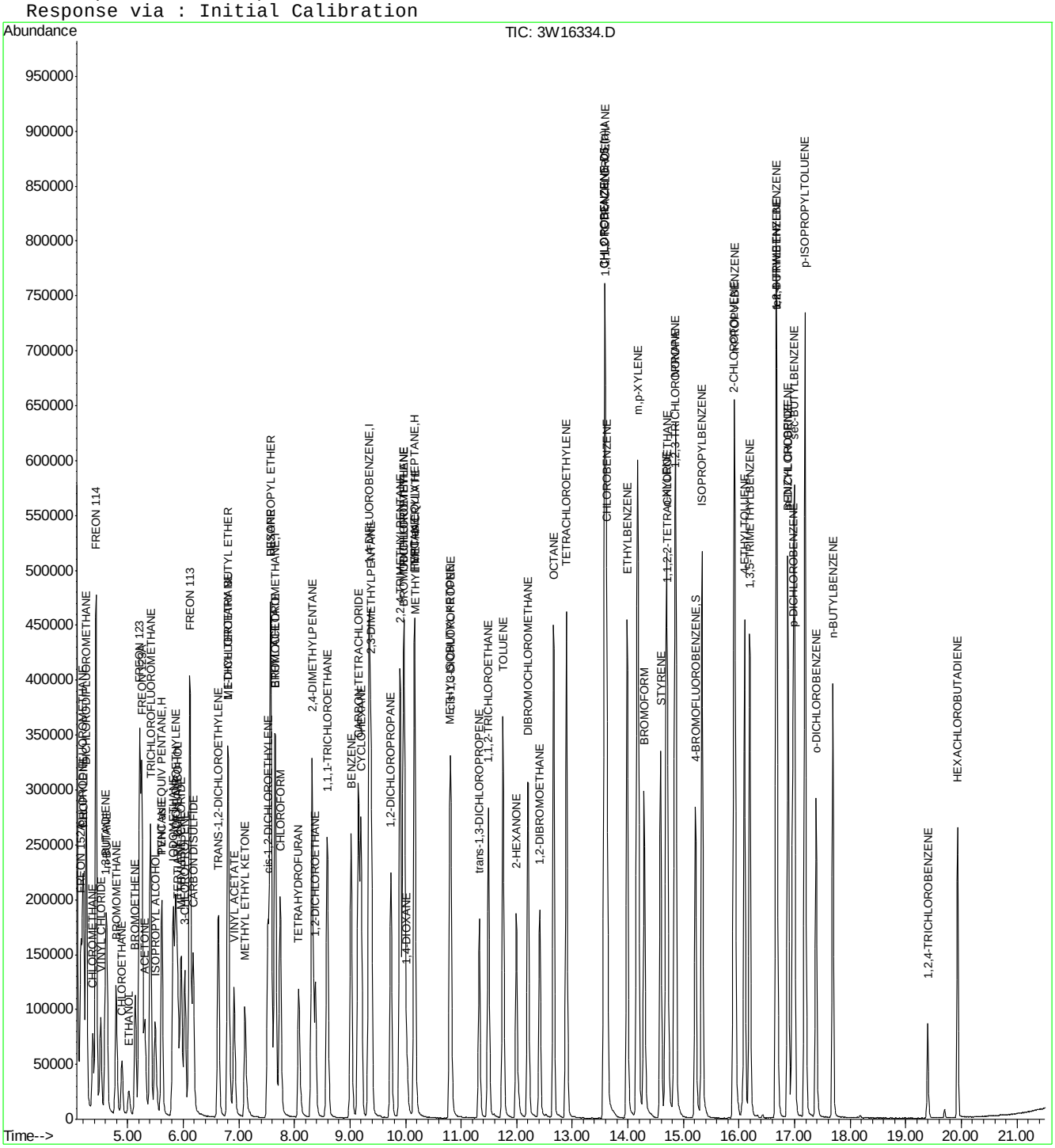
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

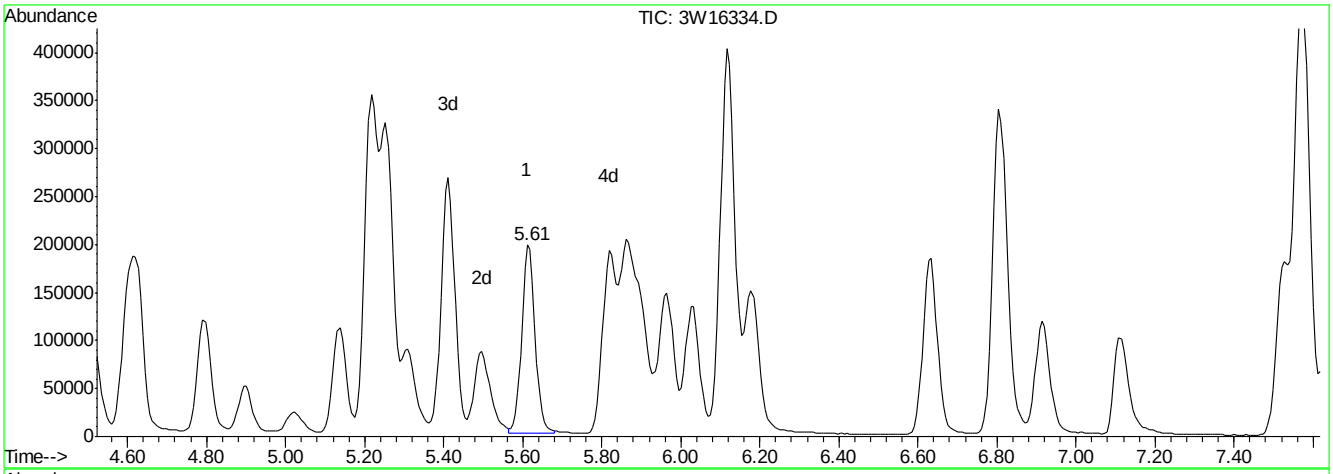


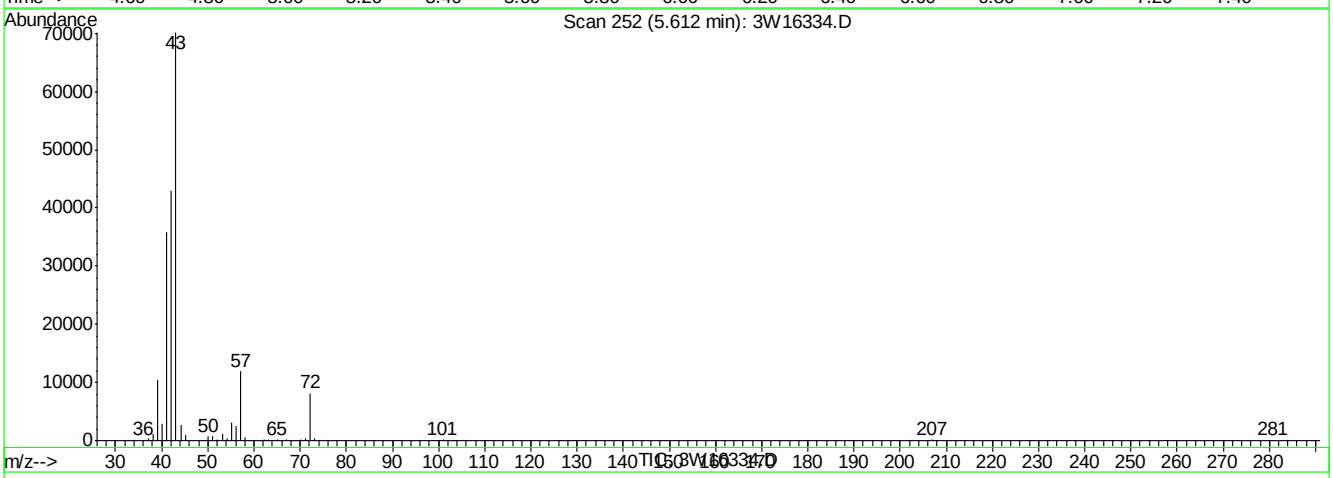
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 9.29PPBV m

response 466013

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

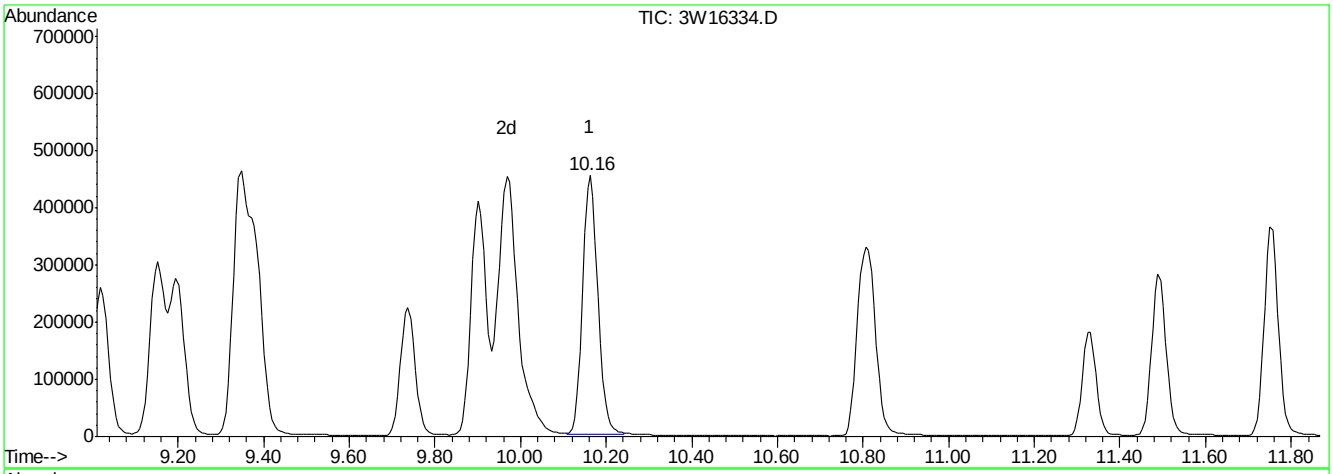
3W16334.D M3W644.M Tue Apr 20 10:16:33 2010 MS3W

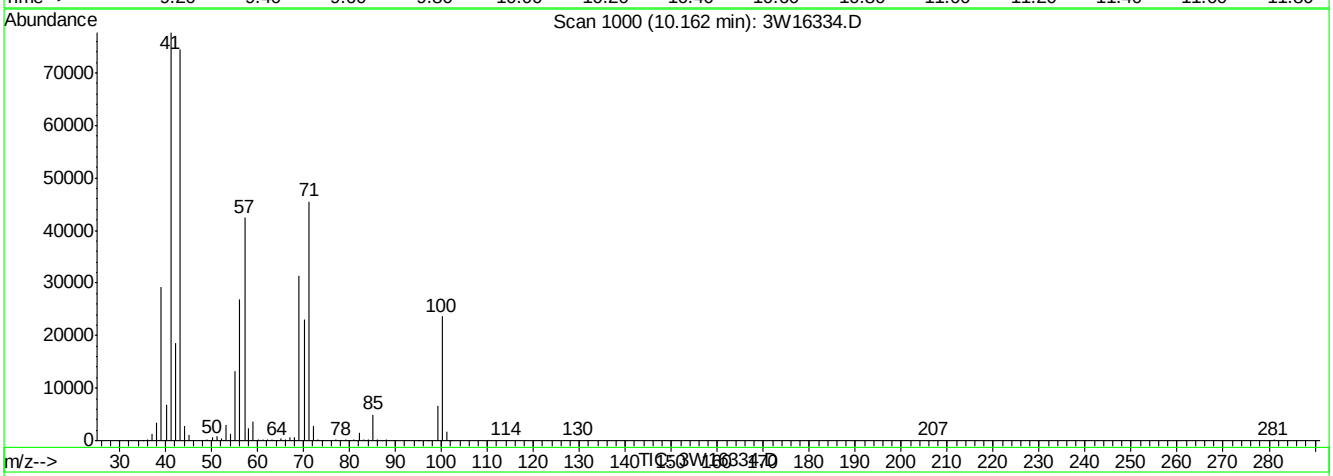
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16334.D Vial: 3
Acq On : 19 Apr 2010 9:19 am Operator: YOUMINH
Sample : BSD Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 9.98PPBV m

response 1133218

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16334.D M3W644.M Tue Apr 20 10:17:02 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 10:20:07 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	72351	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.85	114	339246	10.00	PPBV		0.01
63) CHLOROBENZENE-D5	15.15	82	172078	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.15	82	172078	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	93307	5.15	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.73	67	23686	8.84	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.83	85	234141	8.77	PPBV		99
6) PROPYLENE	4.76	41	103922	10.63	PPBV		99
7) FREON 114	5.09	85	263584	9.01	PPBV		96
8) CHLOROMETHANE	5.00	52	32848	10.40	PPBV	#	84
9) VINYL CHLORIDE	5.20	62	105056	9.15	PPBV		99
10) 1,3-BUTADIENE	5.33	54	91111	9.58	PPBV		90
11) n-BUTANE	5.38	43	196914	9.97	PPBV		98
12) BROMOMETHANE	5.60	94	88821	9.22	PPBV		100
13) CHLOROETHANE	5.75	64	66379	10.49	PPBV		100
14) ACROLEIN	6.27	56	41255	10.33	PPBV		99
15) FREON 123	6.20	83	238866	9.60	PPBV	#	97
16) FREON 123A	6.25	117	133017	9.10	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.43	101	243123	9.24	PPBV		100
18) ISOPROPYL ALCOHOL	6.77	45	186112	10.08	PPBV	#	28
19) ACETONE	6.42	58	48828	10.07	PPBV		96
20) PENTANE	6.75	57	35626	10.16	PPBV	#	89
21) TVHC as EQUIV PENTANE	6.75	TIC	928062m	14.22	PPBV		
22) IODOMETHANE	6.96	142	234774	8.98	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.01	96	95605	9.20	PPBV		97
24) CARBON DISULFIDE	7.40	76	298962	9.54	PPBV		99
25) ETHANOL	6.14	45	44100	9.58	PPBV		97
26) BROMOETHENE	6.06	106	93291	9.37	PPBV		100
27) METHYLENE CHLORIDE	7.12	84	90294	9.56	PPBV		95
28) 3-CHLOROPROPENE	7.23	76	51378	10.13	PPBV	#	75
29) FREON 113	7.33	151	150938	8.58	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.95	96	103089	9.15	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.29	59	193268	8.30	PPBV	#	98
32) METHYL TERTIARY BUTYL ETHE	8.24	73	247782	8.75	PPBV		97
33) TETRAHYDROFURAN	9.65	72	43409	9.22	PPBV		93
34) HEXANE	9.06	57	187737	10.00	PPBV		98
35) VINYL ACETATE	8.28	86	24710	9.71	PPBV	#	81
36) 1,1-DICHLOROETHANE	8.14	63	196039	9.84	PPBV		100
37) METHYL ETHYL KETONE	8.60	72	43289	9.33	PPBV		92
38) cis-1,2-DICHLOROETHYLENE	8.90	96	103519	9.05	PPBV		98
39) DI-ISOPROPYL ETHER	9.10	45	353398	9.63	PPBV		100
40) ETHYL ACETATE	9.16	61	28321	9.46	PPBV		96
41) CHLOROFORM	9.20	83	196778	9.34	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.88	57	229147	10.26	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	195700	9.12	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 10:20:07 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.67	117	201915	9.06	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	127687	9.83	PPBV		100
47)	BENZENE	10.53	78	327297	10.16	PPBV		100
48)	CYCLOHEXANE	10.77	84	155854	9.25	PPBV		98
49)	2,3-DIMETHYLPENTANE	10.98	71	84121	10.34	PPBV		95
50)	TRICHLOROETHYLENE	11.52	95	131467	9.77	PPBV		99
51)	1,2-DICHLOROPROPANE	11.31	63	119094	10.31	PPBV		98
52)	BROMODICHLOROMETHANE	11.50	83	210470	9.85	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	593241	10.79	PPBV		99
54)	1,4-DIOXANE	11.62	88	58969	8.87	PPBV		97
55)	METHYL METHACRYLATE	11.73	69	92044	9.35	PPBV		96
56)	HEPTANE	11.77	43	229719	10.07	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.77	TIC	1029141m	9.84	PPBV		
58)	METHYL ISOBUTYL KETONE	12.44	43	208558	9.89	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.35	75	176694	10.23	PPBV		100
60)	TOLUENE	13.32	92	219235	9.87	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.87	75	146260	10.18	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.06	83	99232	10.07	PPBV		99
64)	2-HEXANONE	13.63	43	202455	9.93	PPBV		98
65)	TETRACHLOROETHYLENE	14.48	164	133060	8.75	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.78	129	199086	9.32	PPBV		100
67)	1,2-DIBROMOETHANE	14.03	107	165386	9.66	PPBV		99
68)	OCTANE	14.28	43	298066	10.96	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.18	131	143343	9.15	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	268524	9.29	PPBV		99
71)	ETHYLBENZENE	15.57	91	438676	9.73	PPBV		99
72)	m,p-XYLENE	15.76	106	335495	19.42	PPBV		98
73)	o-XYLENE	16.28	106	160160	9.81	PPBV		99
74)	STYRENE	16.16	104	237908	10.12	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.42	75	161755	9.65	PPBV		98
76)	NONANE	16.46	43	279545	11.58	PPBV		97
77)	BROMOFORM	15.89	173	169013	8.96	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	197644	10.00	PPBV		100
80)	ISOPROPYLBENZENE	16.90	105	450274	9.79	PPBV		99
81)	2-CHLOROTOLUENE	17.43	126	104342	9.95	PPBV		98
82)	n-PROPYLBENZENE	17.44	120	117005	10.35	PPBV		90
83)	4-ETHYLTOLUENE	17.60	105	388791	10.49	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	307299	9.85	PPBV		82
85)	TERT-BUTYLBENZENE	18.13	134	79410	9.60	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.14	105	306115	10.76	PPBV		99
87)	m-DICHLOROBENZENE	18.32	146	189725	10.83	PPBV		100
88)	BENZYL CHLORIDE	18.30	91	210124	11.17	PPBV		99
89)	p-DICHLOROBENZENE	18.40	146	183123	11.04	PPBV		95
90)	SEC-BUTYLBENZENE	18.43	134	96272	10.51	PPBV		94
91)	p-ISOPROPYLTOLUENE	18.60	134	85552	9.93	PPBV		96
92)	o-DICHLOROBENZENE	18.77	146	154257	10.19	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	64076	9.90	PPBV		91
94)	HEXACHLOROBUTADIENE	21.17	225	39915	8.56	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.68	180	34384	9.60	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 10:20:07 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

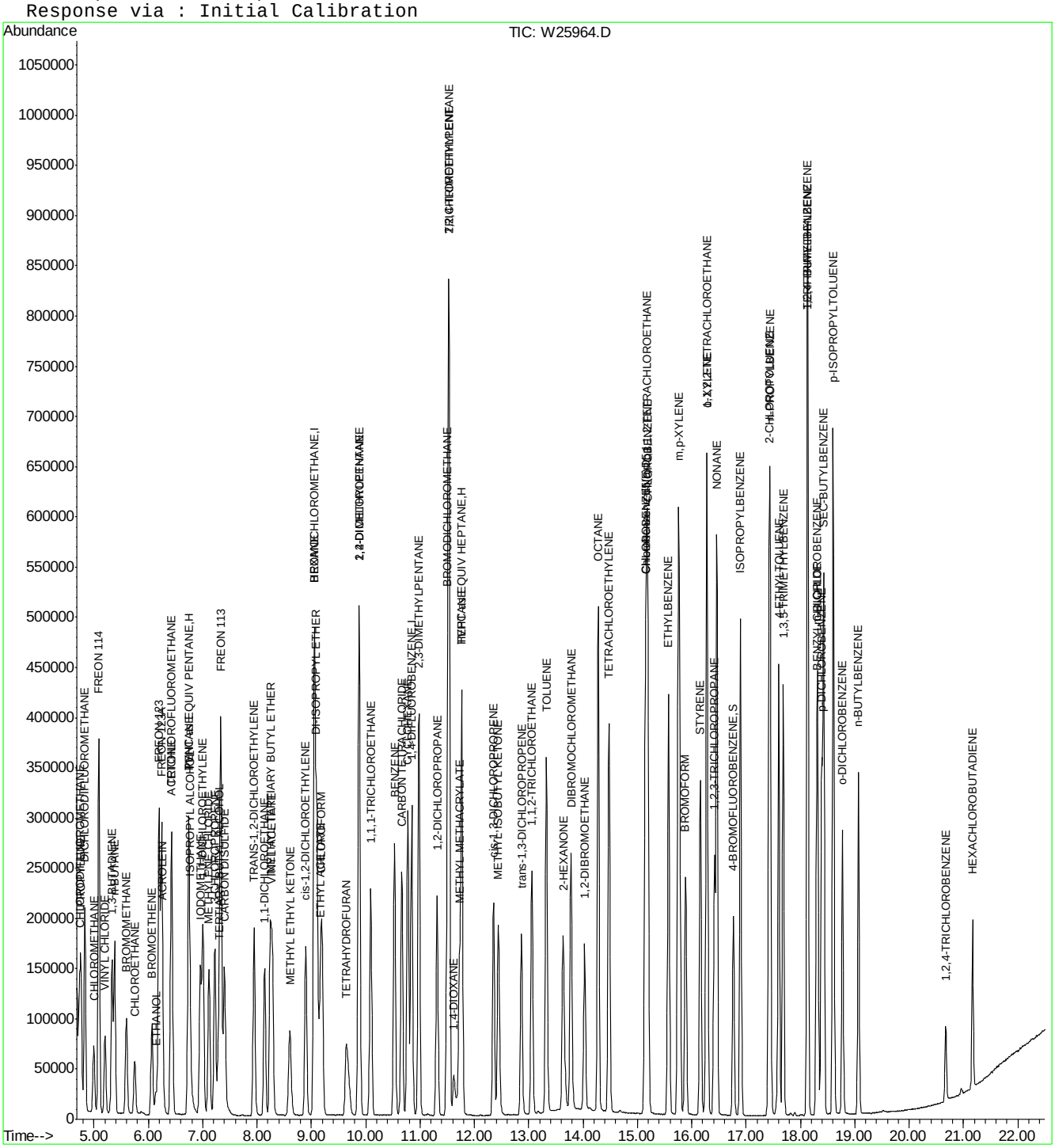
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:11 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration

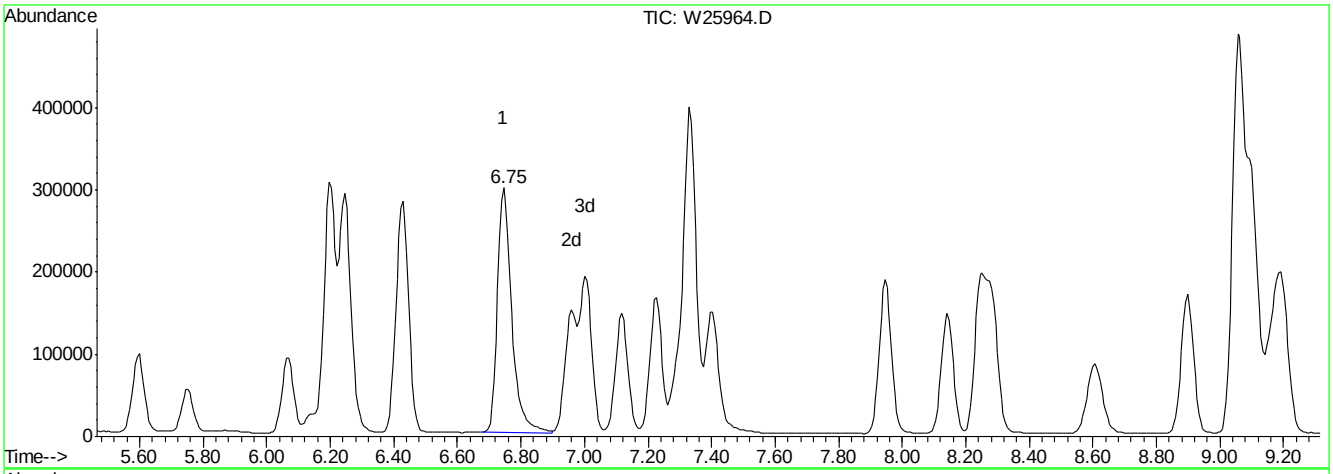


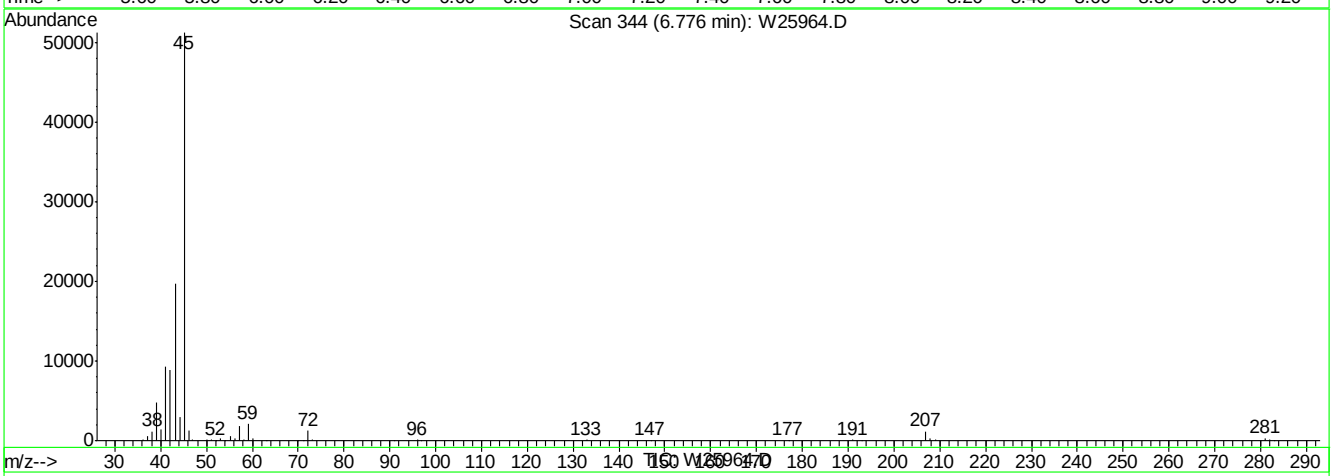
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:10 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.75min 14.22PPBV m

response 928062

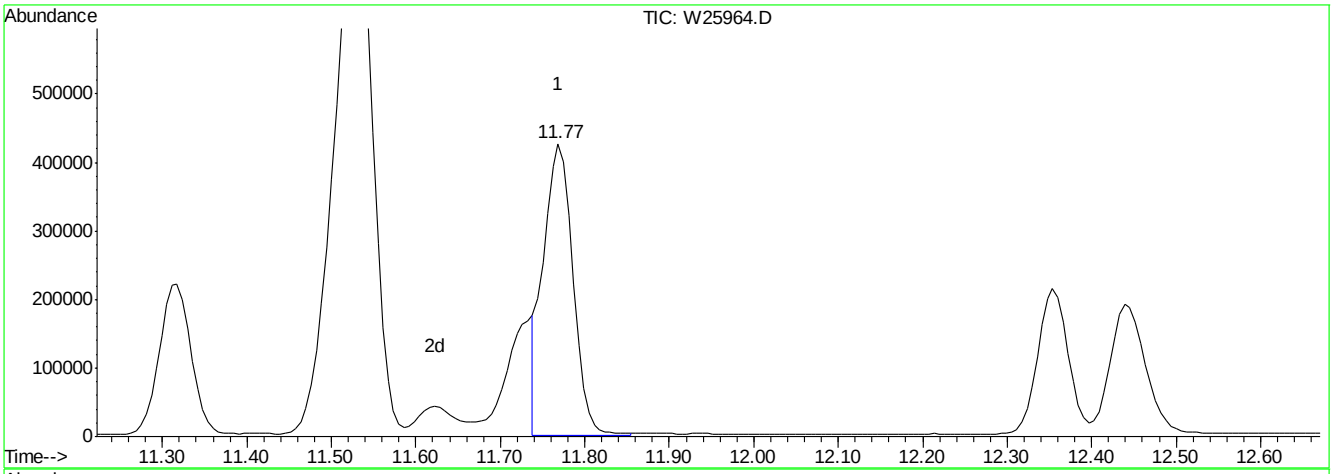
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

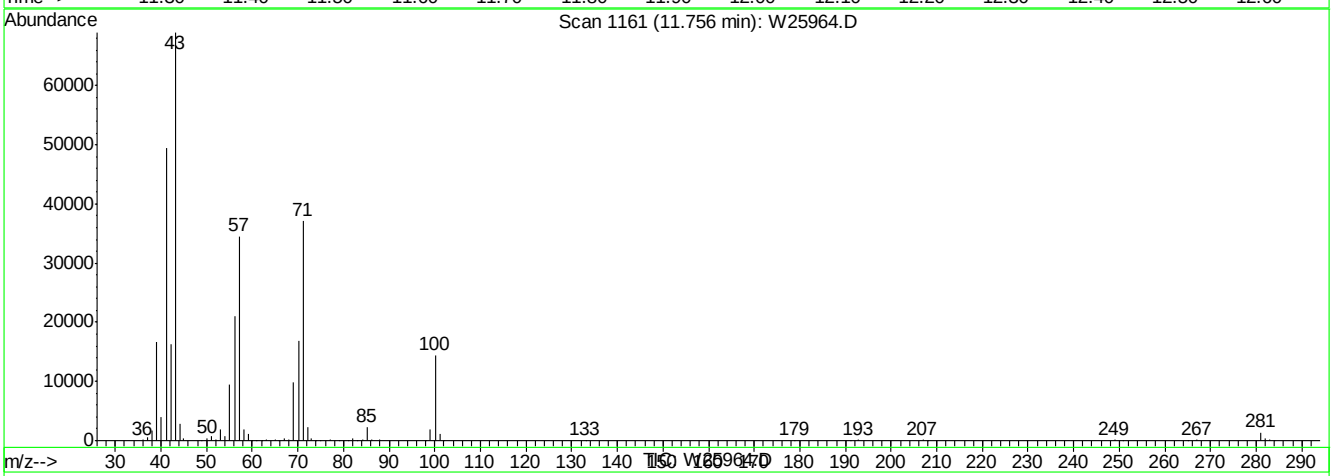
W25964.D MW1071.M Tue Apr 20 15:10:30 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25964.D Vial: 3
Acq On : 19 Apr 2010 9:55 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:10 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.77min 9.84PPBV m

response 1029141

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25964.D MW1071.M Tue Apr 20 15:11:25 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.98	128	70412	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	317594	10.00	PPBV		-0.07
63) CHLOROBENZENE-D5	15.11	82	168569	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	168613	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	89599	5.05	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	27530	10.56	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.81	85	272130	10.47	PPBV		100
6) PROPYLENE	4.74	41	116009	12.19	PPBV		98
7) FREON 114	5.05	85	271026	9.52	PPBV		97
8) CHLOROMETHANE	4.97	52	38334	12.47	PPBV	#	89
9) VINYL CHLORIDE	5.18	62	131920	11.80	PPBV		99
10) 1,3-BUTADIENE	5.30	54	104900	11.33	PPBV	#	87
11) n-BUTANE	5.35	43	222615	11.58	PPBV		99
12) BROMOMETHANE	5.55	94	100930	10.77	PPBV		100
13) CHLOROETHANE	5.71	64	74178	12.05	PPBV		98
14) ACROLEIN	6.15	56	47514	12.23	PPBV		100
15) FREON 123	6.13	83	269363	11.13	PPBV	#	99
16) FREON 123A	6.18	117	150937	10.61	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.38	101	277632	10.84	PPBV		100
18) ISOPROPYL ALCOHOL	6.54	45	201147	11.19	PPBV		99
19) ACETONE	6.28	58	51677	10.96	PPBV		92
20) PENTANE	6.68	57	38430	11.26	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.68	TIC	691424m	10.88	PPBV		
22) IODOMETHANE	6.90	142	267971	10.53	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.94	96	107067	10.59	PPBV		99
24) CARBON DISULFIDE	7.35	76	302543	9.92	PPBV		99
25) ETHANOL	5.91	45	48061	10.73	PPBV		99
26) BROMOETHENE	6.02	106	104950	10.83	PPBV		100
27) METHYLENE CHLORIDE	7.04	84	100497	10.94	PPBV		99
28) 3-CHLOROPROPENE	7.15	76	60558	12.27	PPBV	#	70
29) FREON 113	7.26	151	164687	9.62	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	106732	9.74	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.07	59	246053	10.86	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.14	73	256994	9.33	PPBV		96
33) TETRAHYDROFURAN	9.54	72	45410	9.91	PPBV		92
34) HEXANE	8.98	57	205178	11.23	PPBV		97
35) VINYL ACETATE	8.18	86	26371	10.65	PPBV	#	85
36) 1,1-DICHLOROETHANE	8.06	63	213801	11.03	PPBV		99
37) METHYL ETHYL KETONE	8.47	72	45766	10.13	PPBV		94
38) cis-1,2-DICHLOROETHYLENE	8.82	96	110904	9.97	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	372229	10.43	PPBV		100
40) ETHYL ACETATE	9.04	61	30553	10.49	PPBV	#	87
41) CHLOROFORM	9.10	83	213233	10.40	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	250852	11.54	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.02	97	209695	10.04	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	217222	10.02	PPBV		100
45)	1,2-DICHLOROETHANE	9.78	62	139621	11.04	PPBV		100
47)	BENZENE	10.46	78	351245	11.65	PPBV		99
48)	CYCLOHEXANE	10.71	84	167270	10.61	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.91	71	90828	11.93	PPBV		96
50)	TRICHLOROETHYLENE	11.46	95	140643	11.17	PPBV		98
51)	1,2-DICHLOROPROPANE	11.24	63	128101	11.84	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	223684	11.18	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	662646	12.88	PPBV		99
54)	1,4-DIOXANE	11.52	88	62774	10.09	PPBV		98
55)	METHYL METHACRYLATE	11.64	69	99746	10.82	PPBV		96
56)	HEPTANE	11.71	43	247888	11.61	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.71	TIC	1024852m	10.47	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	228386	11.57	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.29	75	179499	11.10	PPBV		99
60)	TOLUENE	13.27	92	232917	11.21	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	172713	12.84	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	104537	11.34	PPBV		98
64)	2-HEXANONE	13.55	43	219568	10.99	PPBV		98
65)	TETRACHLOROETHYLENE	14.44	164	138785	9.32	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.72	129	209796	10.03	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	175949	10.49	PPBV		99
68)	OCTANE	14.24	43	318273	11.95	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	151766	9.89	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	285771	10.09	PPBV		99
71)	ETHYLBENZENE	15.54	91	460664	10.43	PPBV		99
72)	m,p-XYLENE	15.73	106	350419	20.71	PPBV		98
73)	o-XYLENE	16.25	106	167971	10.50	PPBV		99
74)	STYRENE	16.13	104	249843	10.85	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	174434	10.63	PPBV		98
76)	NONANE	16.44	43	300360	12.70	PPBV		97
77)	BROMOFORM	15.85	173	178075	9.63	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	213261	11.01	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	471958	10.48	PPBV		99
81)	2-CHLOROTOLUENE	17.40	126	109494	10.66	PPBV	#	1
82)	n-PROPYLBENZENE	17.42	120	122992	11.10	PPBV		88
83)	4-ETHYLTOLUENE	17.58	105	412890	11.37	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	325955	10.66	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	82806	10.22	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	318478	11.42	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	195330	11.39	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	234675	12.73	PPBV		99
89)	p-DICHLOROBENZENE	18.38	146	188563	11.60	PPBV		95
90)	SEC-BUTYLBENZENE	18.42	134	95279	10.61	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.59	134	92803	11.00	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	164125	11.07	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	72017	11.36	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	51380	11.25	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	37889	10.79	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 09:22:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

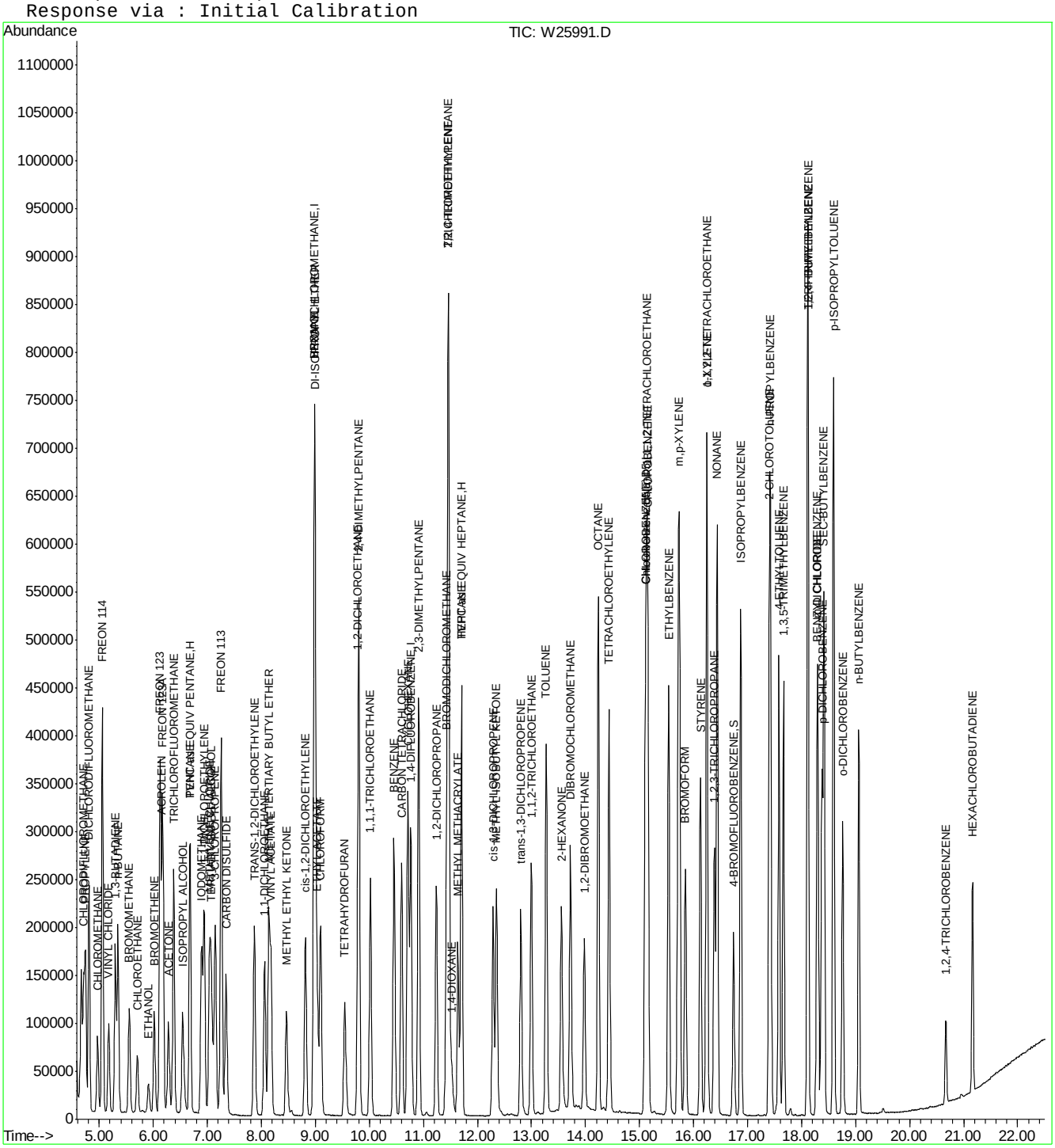
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

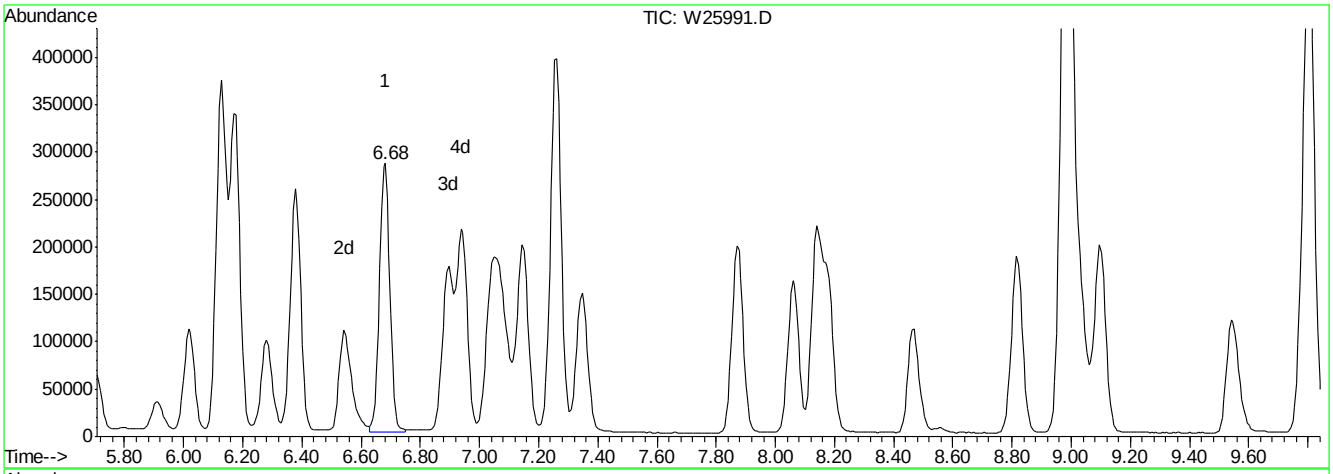


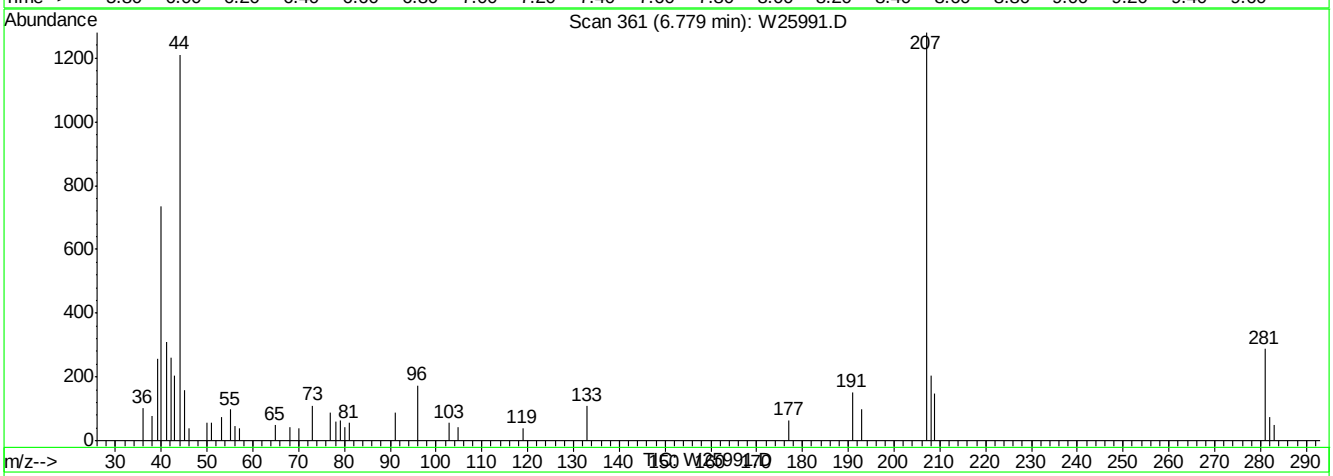
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.88PPBV m

response 691424

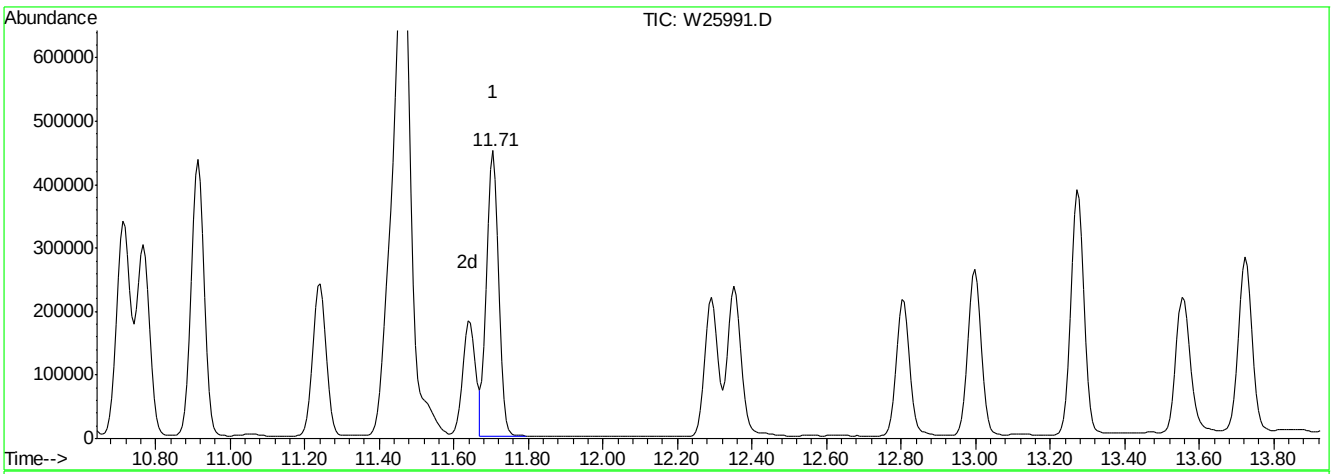
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

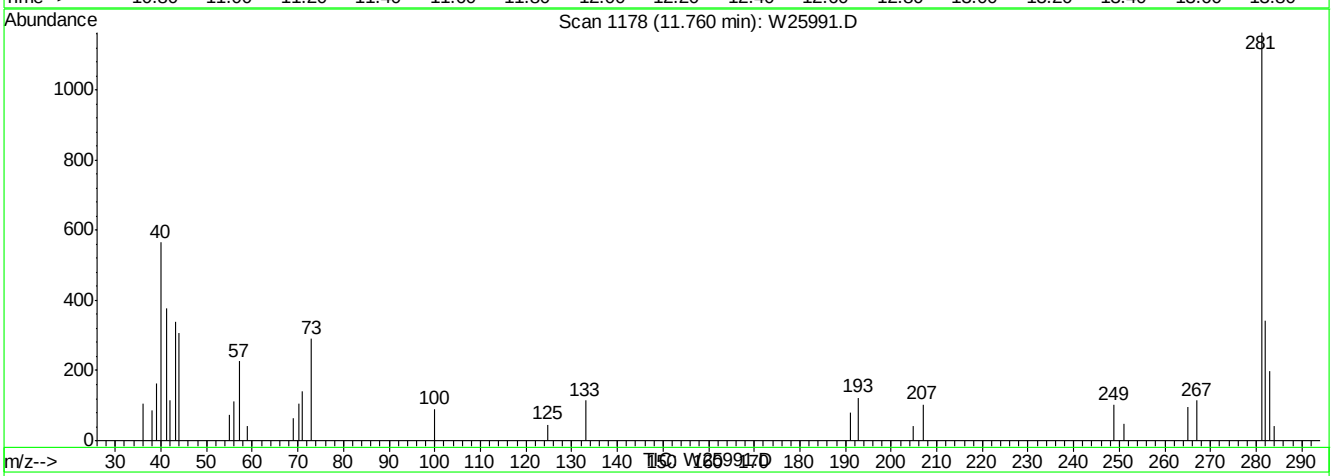
W25991.D MW1071.M Wed Apr 21 14:29:11 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25991.D Vial: 3
Acq On : 20 Apr 2010 8:51 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:29 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.47PPBV m

response 1024852

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25991.D MW1071.M Wed Apr 21 14:29:37 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.99	128	71504	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	327612	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	169037	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	169200	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	91854	5.16	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25861	9.76	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.82	85	256524	9.72	PPBV		100
6) PROPYLENE	4.75	41	108771	11.26	PPBV		98
7) FREON 114	5.06	85	253451	8.76	PPBV		97
8) CHLOROMETHANE	4.97	52	36189	11.59	PPBV	#	85
9) VINYL CHLORIDE	5.18	62	123975	10.92	PPBV		99
10) 1,3-BUTADIENE	5.30	54	97369	10.36	PPBV	#	88
11) n-BUTANE	5.35	43	205959	10.55	PPBV		100
12) BROMOMETHANE	5.56	94	95228	10.00	PPBV		100
13) CHLOROETHANE	5.71	64	68094	10.89	PPBV		99
14) ACROLEIN	6.16	56	40549	10.28	PPBV		98
15) FREON 123	6.13	83	247702	10.07	PPBV	#	98
16) FREON 123A	6.18	117	139415	9.65	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.38	101	257487	9.90	PPBV		100
18) ISOPROPYL ALCOHOL	6.56	45	193775	10.62	PPBV		99
19) ACETONE	6.29	58	45147	9.43	PPBV		91
20) PENTANE	6.69	57	35704	10.30	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.69	TIC	637642m	9.88	PPBV		
22) IODOMETHANE	6.90	142	246333	9.53	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.95	96	98527	9.60	PPBV		99
24) CARBON DISULFIDE	7.35	76	295488	9.54	PPBV		99
25) ETHANOL	5.93	45	44897	9.87	PPBV		100
26) BROMOETHENE	6.02	106	97715	9.93	PPBV		100
27) METHYLENE CHLORIDE	7.05	84	92937	9.96	PPBV		98
28) 3-CHLOROPROPENE	7.16	76	55676	11.10	PPBV	#	74
29) FREON 113	7.27	151	154862	8.91	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	98384	8.84	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.09	59	240526	10.45	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.15	73	229446	8.20	PPBV		97
33) TETRAHYDROFURAN	9.55	72	40944	8.80	PPBV		94
34) HEXANE	8.99	57	191301	10.31	PPBV		96
35) VINYL ACETATE	8.19	86	21776	8.66	PPBV	#	83
36) 1,1-DICHLOROETHANE	8.07	63	194621	9.89	PPBV		99
37) METHYL ETHYL KETONE	8.48	72	42656	9.30	PPBV		96
38) cis-1,2-DICHLOROETHYLENE	8.82	96	102019	9.03	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	334719	9.23	PPBV		100
40) ETHYL ACETATE	9.04	61	27746	9.38	PPBV	#	94
41) CHLOROFORM	9.10	83	196221	9.43	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.82	57	232315	10.53	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.02	97	191674	9.03	PPBV		99

(#) = qualifier out of range (m) = manual integration
W25992.D MW1071.M Wed Apr 21 14:30:41 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	202042	9.18	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	124313	9.68	PPBV		100
47)	BENZENE	10.47	78	312078	10.04	PPBV		99
48)	CYCLOHEXANE	10.72	84	156190	9.60	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.92	71	83381	10.61	PPBV		95
50)	TRICHLOROETHYLENE	11.46	95	129266	9.95	PPBV		98
51)	1,2-DICHLOROPROPANE	11.25	63	112086	10.05	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	203173	9.84	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	611968	11.53	PPBV		99
54)	1,4-DIOXANE	11.53	88	60603	9.44	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	89502	9.41	PPBV		95
56)	HEPTANE	11.71	43	230481	10.46	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.71	TIC	950023m	9.41	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	220182	10.81	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.30	75	157023	9.41	PPBV		99
60)	TOLUENE	13.28	92	198989	9.28	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	147958	10.67	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	91031	9.57	PPBV		98
64)	2-HEXANONE	13.56	43	207531	10.36	PPBV		98
65)	TETRACHLOROETHYLENE	14.44	164	126510	8.47	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.73	129	185121	8.83	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	152150	9.05	PPBV		100
68)	OCTANE	14.24	43	283853	10.62	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.14	131	130612	8.48	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	249038	8.77	PPBV		98
71)	ETHYLBENZENE	15.54	91	384093	8.67	PPBV		99
72)	m,p-XYLENE	15.73	106	289576	17.07	PPBV		99
73)	o-XYLENE	16.25	106	137099	8.55	PPBV		98
74)	STYRENE	16.13	104	206338	8.94	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	146090	8.88	PPBV		97
76)	NONANE	16.44	43	255900	10.79	PPBV		97
77)	BROMOFORM	15.85	173	153682	8.29	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	178571	9.20	PPBV		99
80)	ISOPROPYLBENZENE	16.87	105	385915	8.54	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	91678	8.90	PPBV		98
82)	n-PROPYLBENZENE	17.42	120	101368	9.12	PPBV		87
83)	4-ETHYLTOLUENE	17.58	105	345105	9.48	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	275725	8.99	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	70577	8.68	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	270332	9.67	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	165037	9.59	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	205833	11.14	PPBV		99
89)	p-DICHLOROBENZENE	18.38	146	156482	9.60	PPBV		96
90)	SEC-BUTYLBENZENE	18.42	134	79955	8.88	PPBV		91
91)	p-ISOPROPYLTOLUENE	18.59	134	80807	9.55	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	137365	9.24	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	62555	9.84	PPBV		89
94)	HEXACHLOROBUTADIENE	21.17	225	48336	10.55	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	41652	11.83	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:42:03 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

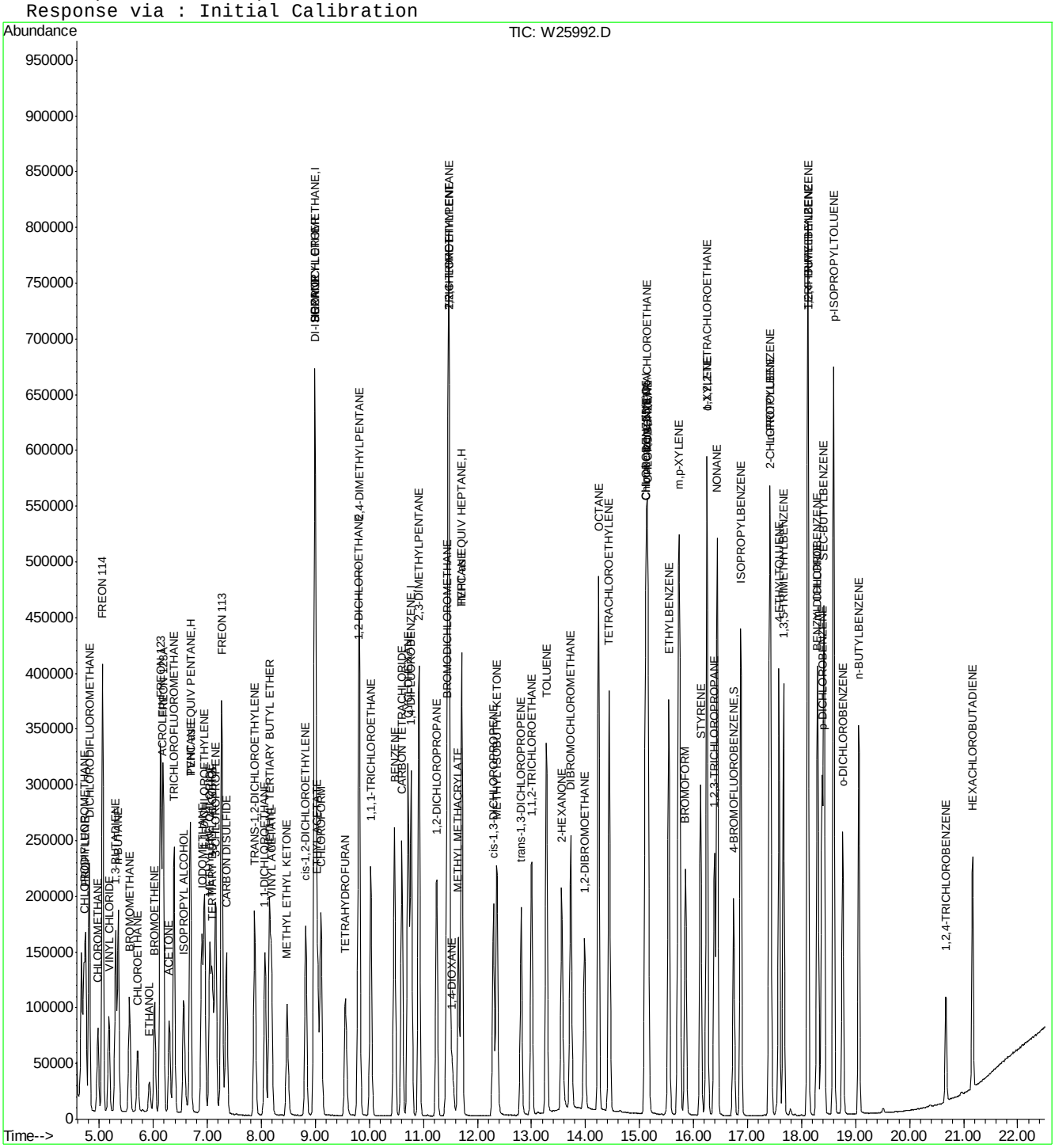
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

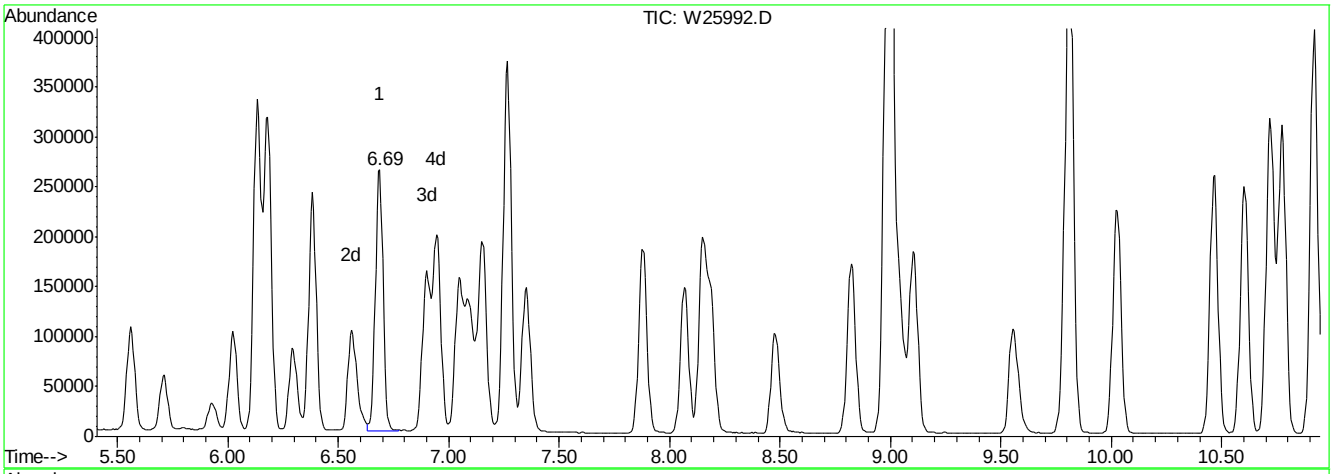


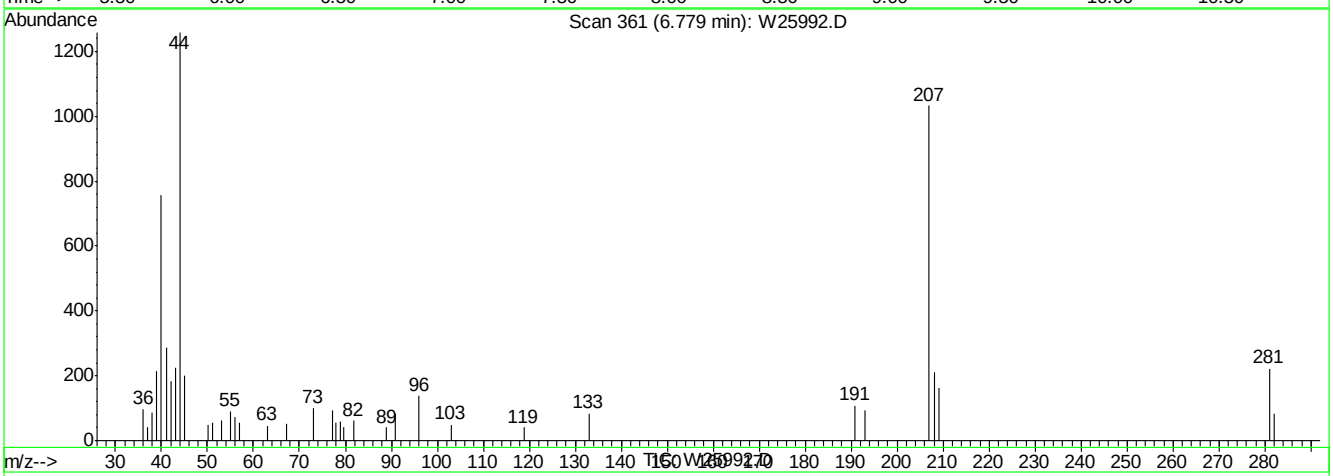
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.69min 9.88PPBV m

response 637642

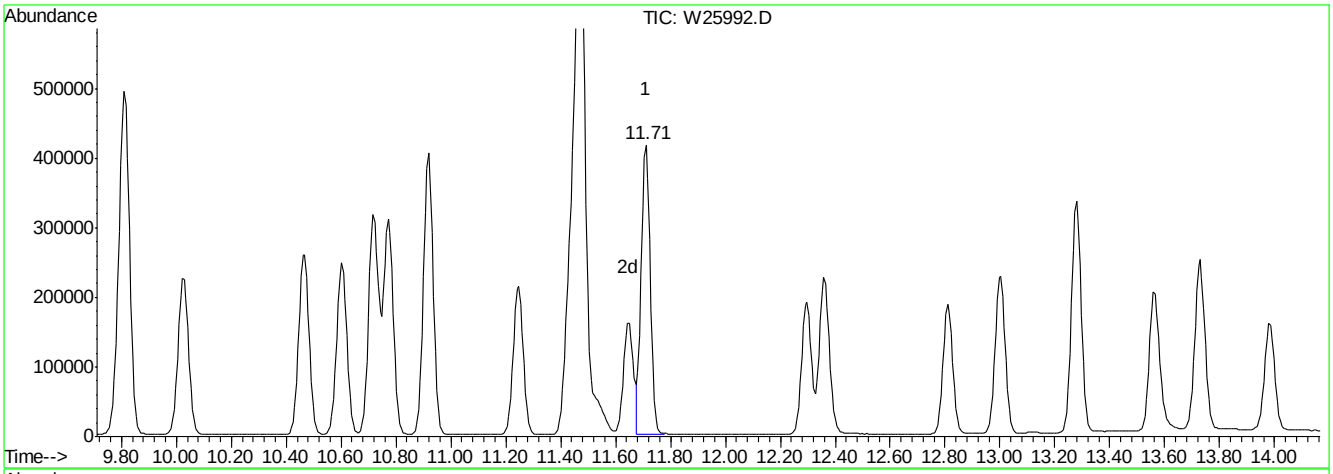
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

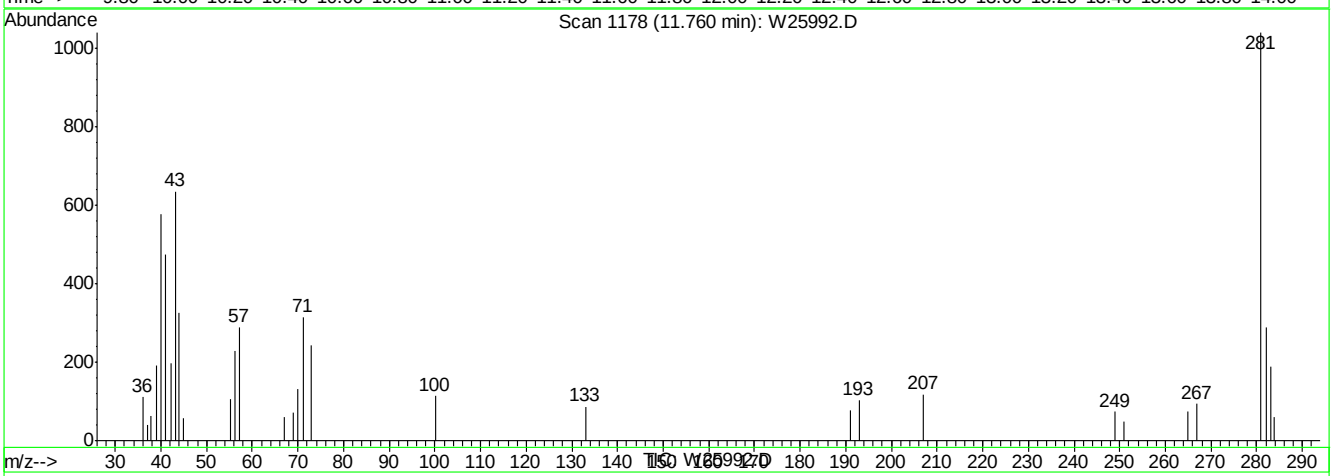
W25992.D MW1071.M Wed Apr 21 14:30:20 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25992.D Vial: 3
Acq On : 20 Apr 2010 10:13 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 9.41PPBV m

response 950023

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25992.D MW1071.M Wed Apr 21 14:30:35 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.98	128	64150	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	279680	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	151004	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	151004	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	79430	5.00	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25484	10.73	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.81	85	247852	10.47	PPBV		99
6) PROPYLENE	4.74	41	106659	12.31	PPBV		98
7) FREON 114	5.05	85	273979	10.56	PPBV		95
8) CHLOROMETHANE	4.97	52	33863	12.09	PPBV	#	72
9) VINYL CHLORIDE	5.18	62	117329	11.52	PPBV		98
10) 1,3-BUTADIENE	5.30	54	94433	11.20	PPBV	#	88
11) n-BUTANE	5.35	43	203370	11.61	PPBV		99
12) BROMOMETHANE	5.56	94	90446	10.59	PPBV		100
13) CHLOROETHANE	5.71	64	65395	11.66	PPBV		99
14) ACROLEIN	6.16	56	37770	10.67	PPBV		97
15) FREON 123	6.13	83	240038	10.88	PPBV	#	96
16) FREON 123A	6.18	117	132797	10.24	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.38	101	260494	11.17	PPBV		99
18) ISOPROPYL ALCOHOL	6.56	45	182265	11.13	PPBV		99
19) ACETONE	6.29	58	44972	10.46	PPBV		92
20) PENTANE	6.68	57	35507	11.42	PPBV		97
21) TVHC as EQUIV PENTANE	6.68	TIC	650810m	11.24	PPBV		
22) IODOMETHANE	6.90	142	239631	10.34	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	99921	10.85	PPBV		96
24) CARBON DISULFIDE	7.35	76	317832	11.44	PPBV		99
25) ETHANOL	5.93	45	40491	9.93	PPBV		99
26) BROMOETHENE	6.02	106	94583	10.71	PPBV		99
27) METHYLENE CHLORIDE	7.04	84	93743	11.20	PPBV		96
28) 3-CHLOROPROPENE	7.15	76	52462	11.66	PPBV	#	78
29) FREON 113	7.26	151	157500	10.10	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	99902	10.00	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.09	59	228508	11.07	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.14	73	220705	8.79	PPBV		95
33) TETRAHYDROFURAN	9.55	72	38596	9.25	PPBV	#	91
34) HEXANE	8.99	57	183696	11.04	PPBV		98
35) VINYL ACETATE	8.19	86	21455	9.51	PPBV	#	75
36) 1,1-DICHLOROETHANE	8.07	63	189238	10.71	PPBV		100
37) METHYL ETHYL KETONE	8.47	72	39789	9.67	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	8.82	96	97134	9.58	PPBV		95
39) DI-ISOPROPYL ETHER	9.00	45	323914	9.96	PPBV		99
40) ETHYL ACETATE	9.04	61	26846	10.12	PPBV	#	1
41) CHLOROFORM	9.10	83	190599	10.21	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.81	57	222995	11.26	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	188434	9.90	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	198420	10.05	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	122398	10.62	PPBV		100
47)	BENZENE	10.46	78	300475	11.32	PPBV		99
48)	CYCLOHEXANE	10.72	84	147959	10.66	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.91	71	81345	12.13	PPBV		94
50)	TRICHLOROETHYLENE	11.46	95	125061	11.27	PPBV		97
51)	1,2-DICHLOROPROPANE	11.24	63	108995	11.44	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	200540	11.38	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	575208	12.69	PPBV		98
54)	1,4-DIOXANE	11.53	88	55283	10.09	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	83696	10.31	PPBV		94
56)	HEPTANE	11.71	43	224664	11.95	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.71	TIC	940732m	10.91	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	201868	11.61	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.29	75	159653	11.21	PPBV		97
60)	TOLUENE	13.28	92	193134	10.55	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	130137	10.99	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.00	83	89510	11.02	PPBV		98
64)	2-HEXANONE	13.56	43	193582	10.82	PPBV		96
65)	TETRACHLOROETHYLENE	14.44	164	117164	8.78	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	178027	9.50	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	144615	9.63	PPBV		100
68)	OCTANE	14.24	43	285448	11.96	PPBV		94
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	127376	9.26	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	238694	9.41	PPBV		98
71)	ETHYLBENZENE	15.54	91	380104	9.61	PPBV		98
72)	m,p-XYLENE	15.73	106	288276	19.02	PPBV		98
73)	o-XYLENE	16.25	106	136927	9.56	PPBV		97
74)	STYRENE	16.13	104	201432	9.77	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	143484	9.76	PPBV		98
76)	NONANE	16.44	43	256323	12.10	PPBV		96
77)	BROMOFORM	15.85	173	145866	8.81	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	176121	10.15	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	383097	9.49	PPBV		98
81)	2-CHLOROTOLUENE	17.41	126	88790	9.65	PPBV	#	94
82)	n-PROPYLBENZENE	17.42	120	98097	9.88	PPBV		83
83)	4-ETHYLTOLUENE	17.58	105	329212	10.12	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	261886	9.56	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	65972	9.09	PPBV		93
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	252109	10.09	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	150710	9.81	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	174898	10.59	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	142498	9.79	PPBV		94
90)	SEC-BUTYLBENZENE	18.42	134	74920	9.32	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	72393	9.58	PPBV		94
92)	o-DICHLOROBENZENE	18.76	146	125173	9.42	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	54661	9.63	PPBV		88
94)	HEXACHLOROBUTADIENE	21.17	225	35709	8.73	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	28855	9.18	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 08:48:50 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

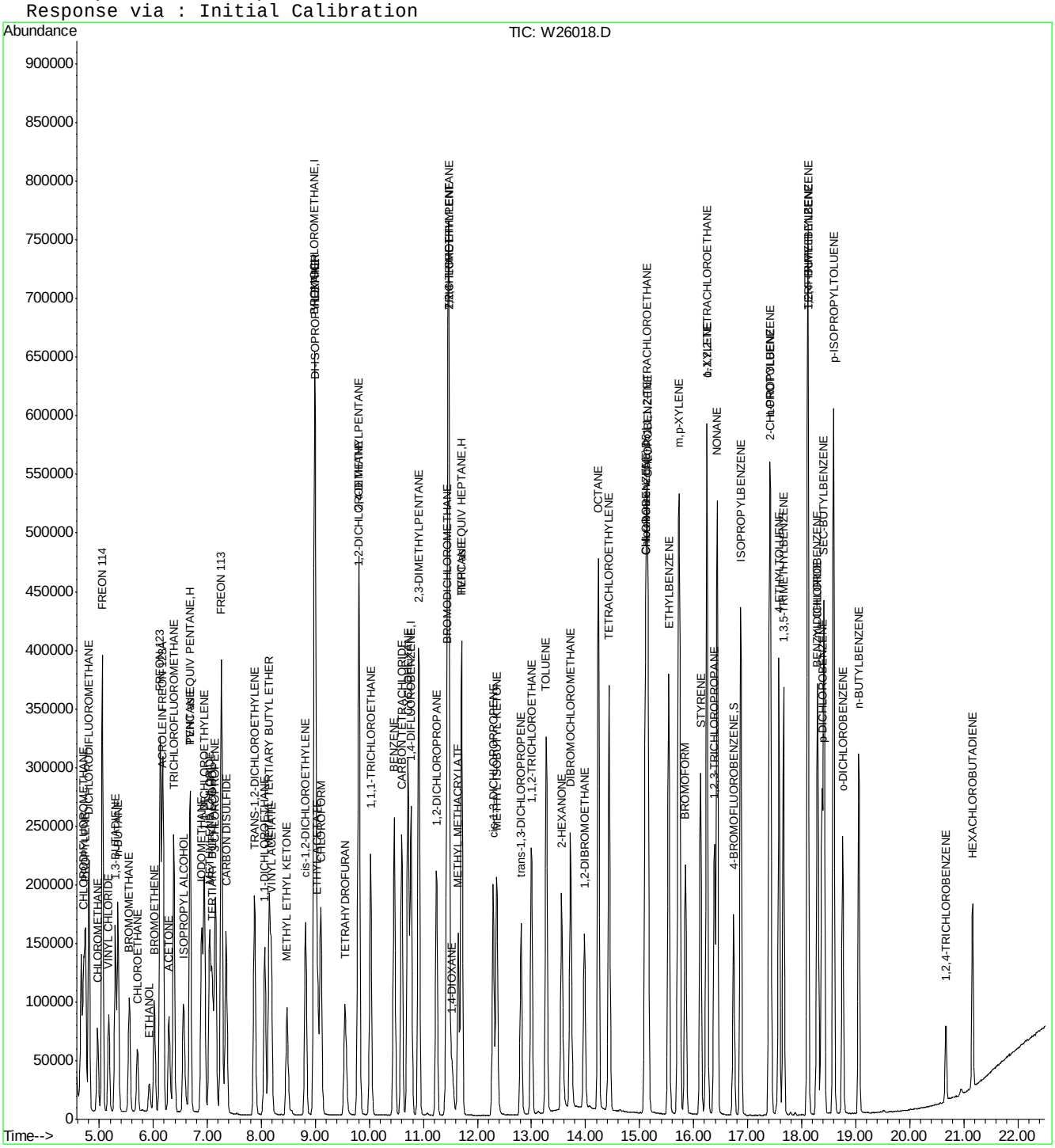
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:44 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

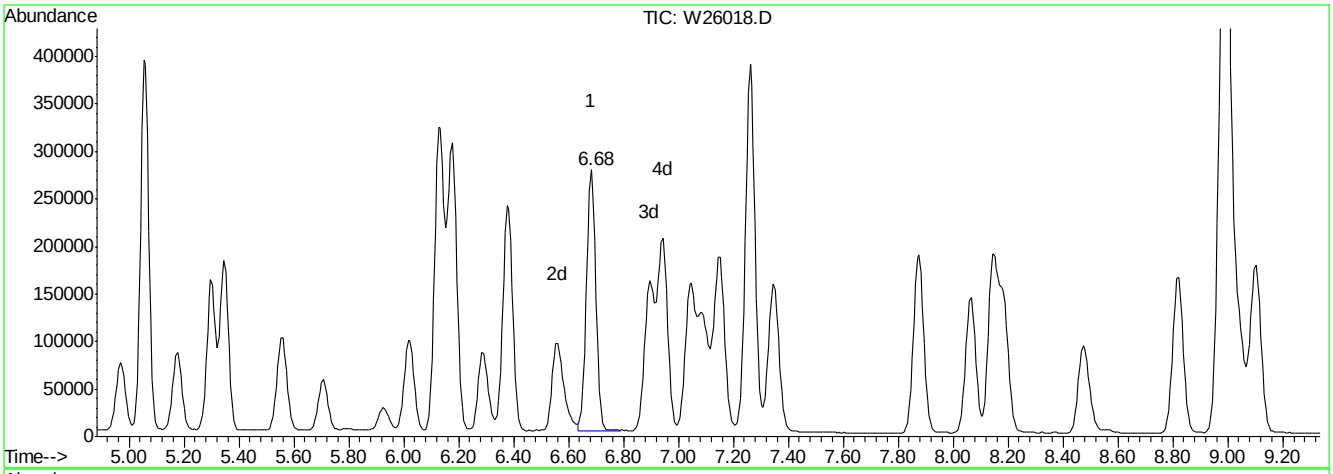


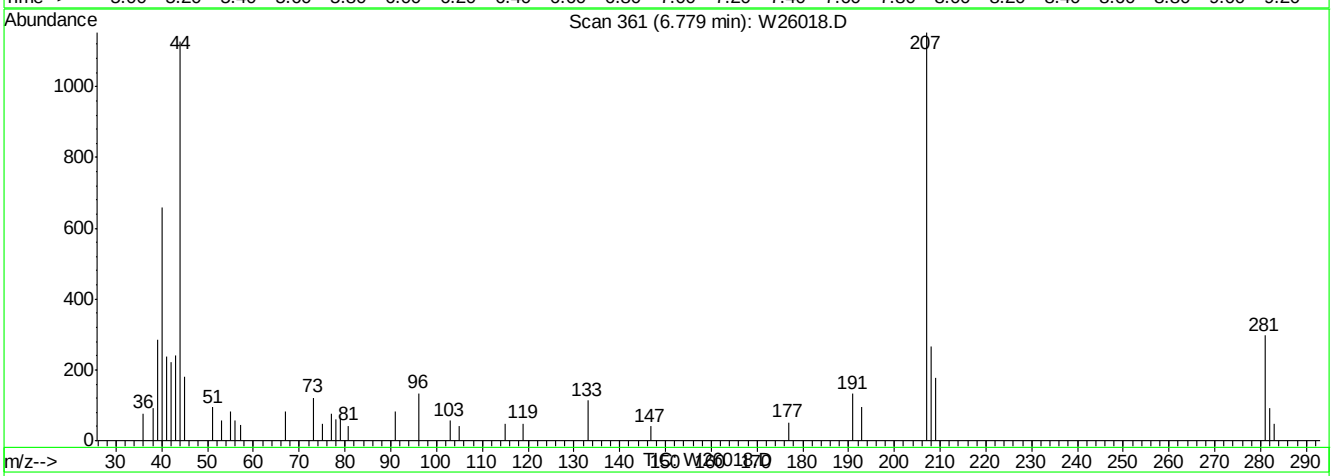
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:43 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 11.24PPBV m

response 650810

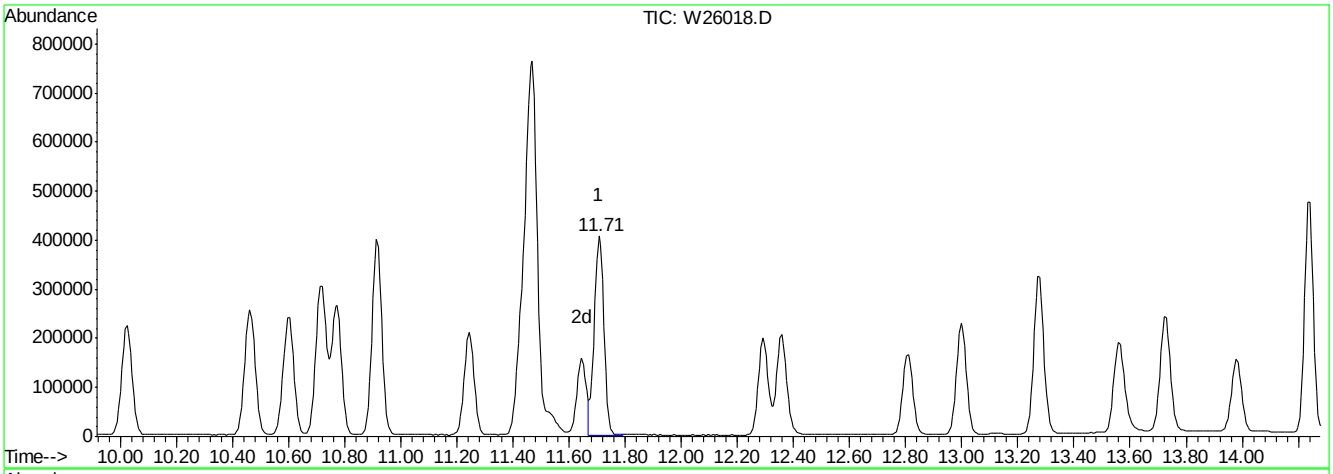
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26018.D MW1071.M Wed Apr 21 16:43:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26018.D Vial: 3
Acq On : 21 Apr 2010 8:26 am Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:44 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.91PPBV m

response 940732

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26018.D MW1071.M Wed Apr 21 16:44:26 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	66281	10.00	PPBV		-0.09
46) 1,4-DIFLUOROBENZENE	10.76	114	297106	10.00	PPBV		-0.08
63) CHLOROBENZENE-D5	15.11	82	157015	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	157112	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	82647	5.00	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	24756	10.08	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.81	85	245210	10.02	PPBV		99
6) PROPYLENE	4.74	41	105719	11.81	PPBV		99
7) FREON 114	5.05	85	269047	10.04	PPBV		95
8) CHLOROMETHANE	4.97	52	33380	11.54	PPBV	#	88
9) VINYL CHLORIDE	5.17	62	114964	10.92	PPBV		99
10) 1,3-BUTADIENE	5.30	54	92662	10.64	PPBV	#	87
11) n-BUTANE	5.35	43	201243	11.12	PPBV		99
12) BROMOMETHANE	5.55	94	89155	10.10	PPBV		100
13) CHLOROETHANE	5.70	64	64836	11.19	PPBV		99
14) ACROLEIN	6.15	56	37886	10.36	PPBV		99
15) FREON 123	6.12	83	245114	10.76	PPBV	#	97
16) FREON 123A	6.17	117	135603	10.12	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	258279	10.72	PPBV		100
18) ISOPROPYL ALCOHOL	6.54	45	177831	10.51	PPBV		99
19) ACETONE	6.27	58	44862	10.10	PPBV		92
20) PENTANE	6.68	57	35214	10.96	PPBV		94
21) TVHC as EQUIV PENTANE	6.68	TIC	636157m	10.64	PPBV		
22) IODOMETHANE	6.89	142	239129	9.98	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	99304	10.44	PPBV		97
24) CARBON DISULFIDE	7.34	76	291820	10.17	PPBV		99
25) ETHANOL	5.90	45	39285	9.32	PPBV		99
26) BROMOETHENE	6.02	106	94429	10.35	PPBV		100
27) METHYLENE CHLORIDE	7.04	84	93774	10.84	PPBV		97
28) 3-CHLOROPROPENE	7.14	76	53441	11.50	PPBV	#	71
29) FREON 113	7.25	151	151997	9.43	PPBV		91
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	99579	9.65	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.07	59	225603	10.58	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.13	73	220337	8.50	PPBV		95
33) TETRAHYDROFURAN	9.54	72	38178	8.85	PPBV		92
34) HEXANE	8.98	57	184545	10.73	PPBV		97
35) VINYL ACETATE	8.18	86	21405	9.18	PPBV	#	75
36) 1,1-DICHLOROETHANE	8.05	63	192255	10.54	PPBV		99
37) METHYL ETHYL KETONE	8.46	72	39213	9.22	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.81	96	97945	9.35	PPBV		95
39) DI-ISOPROPYL ETHER	8.99	45	320262	9.53	PPBV		99
40) ETHYL ACETATE	9.03	61	25893	9.44	PPBV	#	1
41) CHLOROFORM	9.09	83	194695	10.09	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	224773	10.99	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	190846	9.70	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.59	117	199072	9.76	PPBV		100
45)	1,2-DICHLOROETHANE	9.78	62	123613	10.38	PPBV		99
47)	BENZENE	10.46	78	304520	10.80	PPBV		99
48)	CYCLOHEXANE	10.71	84	148823	10.09	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.91	71	82148	11.53	PPBV		93
50)	TRICHLOROETHYLENE	11.46	95	127198	10.79	PPBV		96
51)	1,2-DICHLOROPROPANE	11.24	63	109983	10.87	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	203649	10.88	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.46	57	582472	12.10	PPBV		99
54)	1,4-DIOXANE	11.52	88	54276	9.33	PPBV		96
55)	METHYL METHACRYLATE	11.64	69	82803	9.60	PPBV		94
56)	HEPTANE	11.70	43	228115	11.42	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.70	TIC	956541m	10.45	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	196784	10.65	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.28	75	158709	10.49	PPBV		97
60)	TOLUENE	13.27	92	194423	10.00	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	129856	10.32	PPBV		98
62)	1,1,2-TRICHLOROETHANE	12.99	83	89782	10.41	PPBV		97
64)	2-HEXANONE	13.55	43	187413	10.07	PPBV		97
65)	TETRACHLOROETHYLENE	14.44	164	118166	8.52	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	178901	9.18	PPBV		100
67)	1,2-DIBROMOETHANE	13.97	107	145656	9.33	PPBV		99
68)	OCTANE	14.24	43	286533	11.55	PPBV		94
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	128489	8.98	PPBV	#	99
70)	CHLOROBENZENE	15.15	112	239501	9.08	PPBV		98
71)	ETHYLBENZENE	15.53	91	381057	9.27	PPBV		98
72)	m,p-XYLENE	15.73	106	286732	18.19	PPBV		97
73)	o-XYLENE	16.25	106	136004	9.13	PPBV		97
74)	STYRENE	16.13	104	202067	9.42	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	140281	9.18	PPBV		97
76)	NONANE	16.44	43	253847	11.52	PPBV		97
77)	BROMOFORM	15.84	173	145455	8.45	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	173278	9.61	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	377412	9.00	PPBV		98
81)	2-CHLOROTOLUENE	17.40	126	87372	9.13	PPBV	#	94
82)	n-PROPYLBENZENE	17.42	120	96615	9.36	PPBV		83
83)	4-ETHYLTOLUENE	17.58	105	321568	9.51	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.66	105	254422	8.93	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	63754	8.44	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	245169	9.44	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	149459	9.35	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	173089	10.08	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	140552	9.28	PPBV		96
90)	SEC-BUTYLBENZENE	18.41	134	73172	8.75	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	70071	8.91	PPBV		93
92)	o-DICHLOROBENZENE	18.76	146	123771	8.96	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	52361	8.87	PPBV		86
94)	HEXACHLOROBUTADIENE	21.17	225	35554	8.36	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	29851	9.13	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:49 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

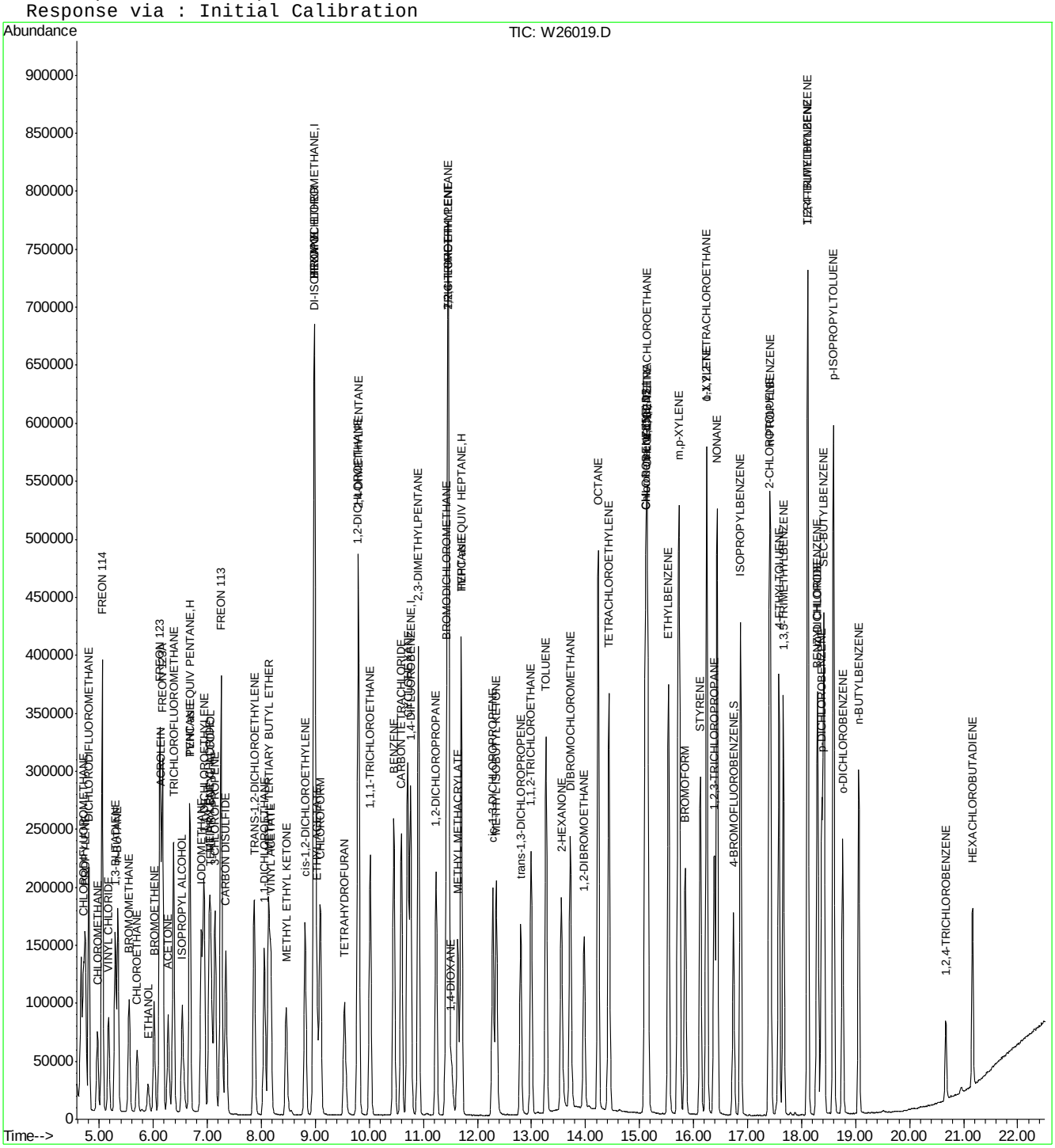
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

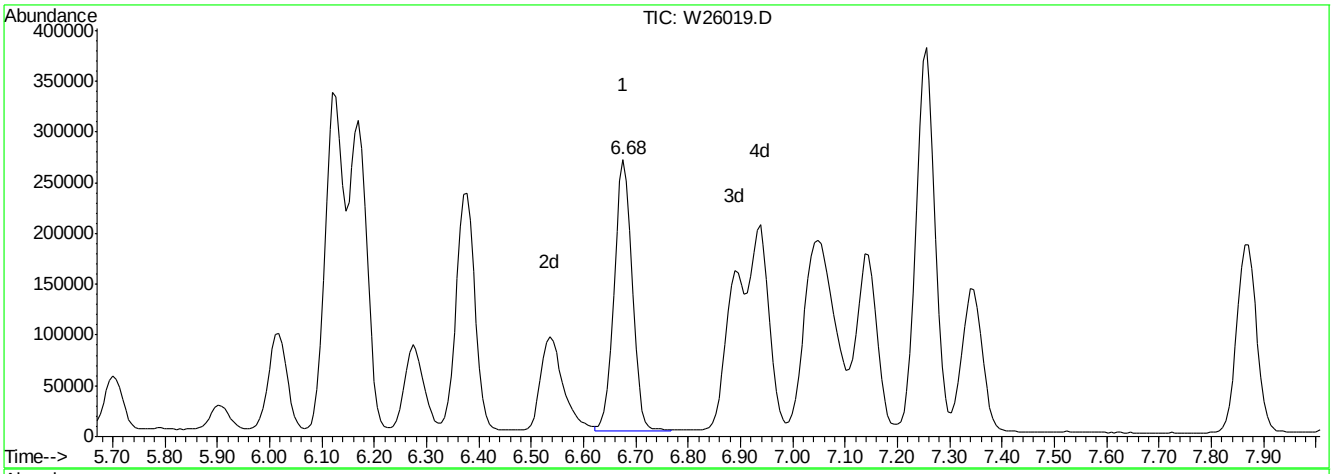


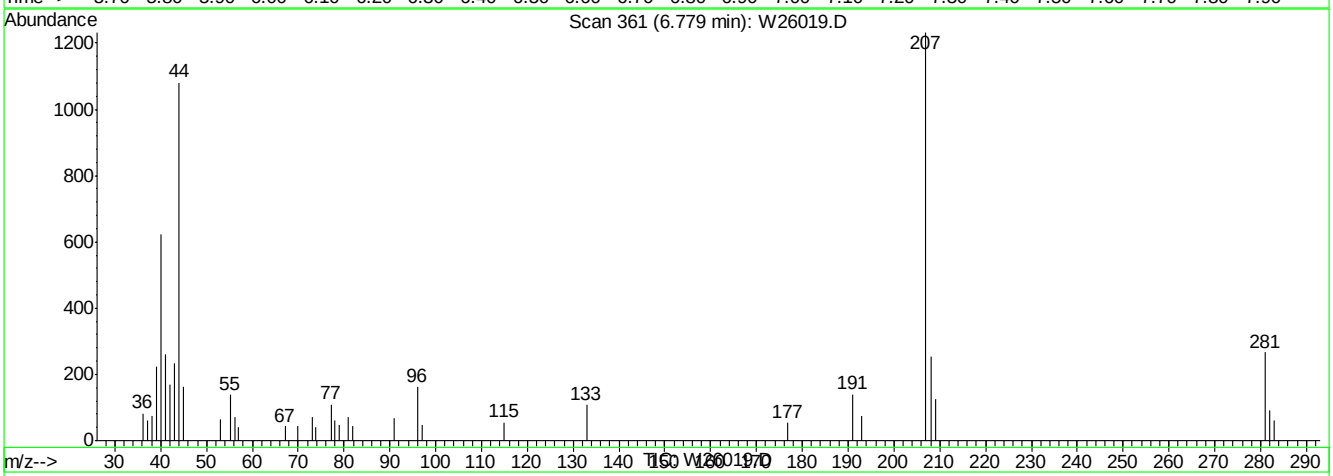
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.64PPBV m

response 636157

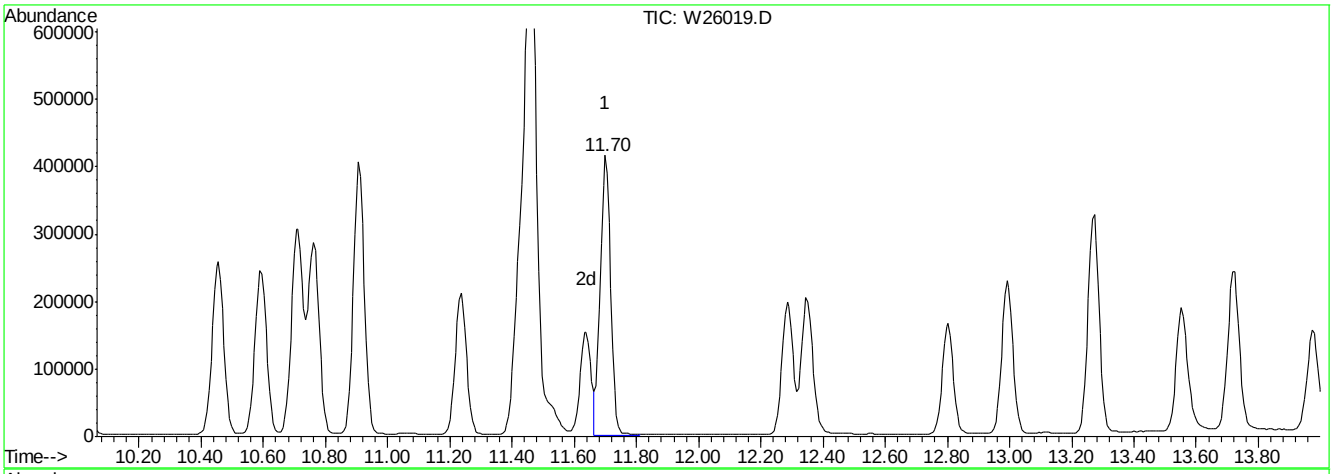
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00#
0.00	0.00	0.00

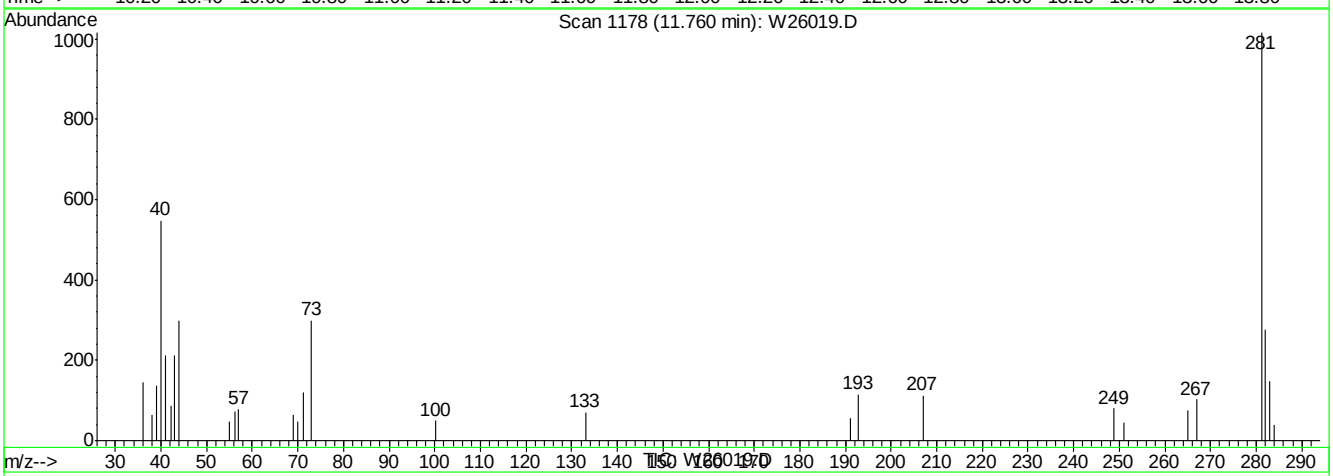
W26019.D MW1071.M Wed Apr 21 16:45:14 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26019.D Vial: 3
Acq On : 21 Apr 2010 9:07 am Operator: YOUMINH
Sample : BSD Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.70min 10.45PPBV m

response 956541

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00#
0.00	0.00	0.00

W26019.D MW1071.M Wed Apr 21 16:45:38 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26169.D Vial: 10
Acq On : 5 May 2010 9:58 pm Operator: YOUMINH
Sample : JA44640-11DUP Inst : MSW
Misc : MS95884,VW1082,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:26 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

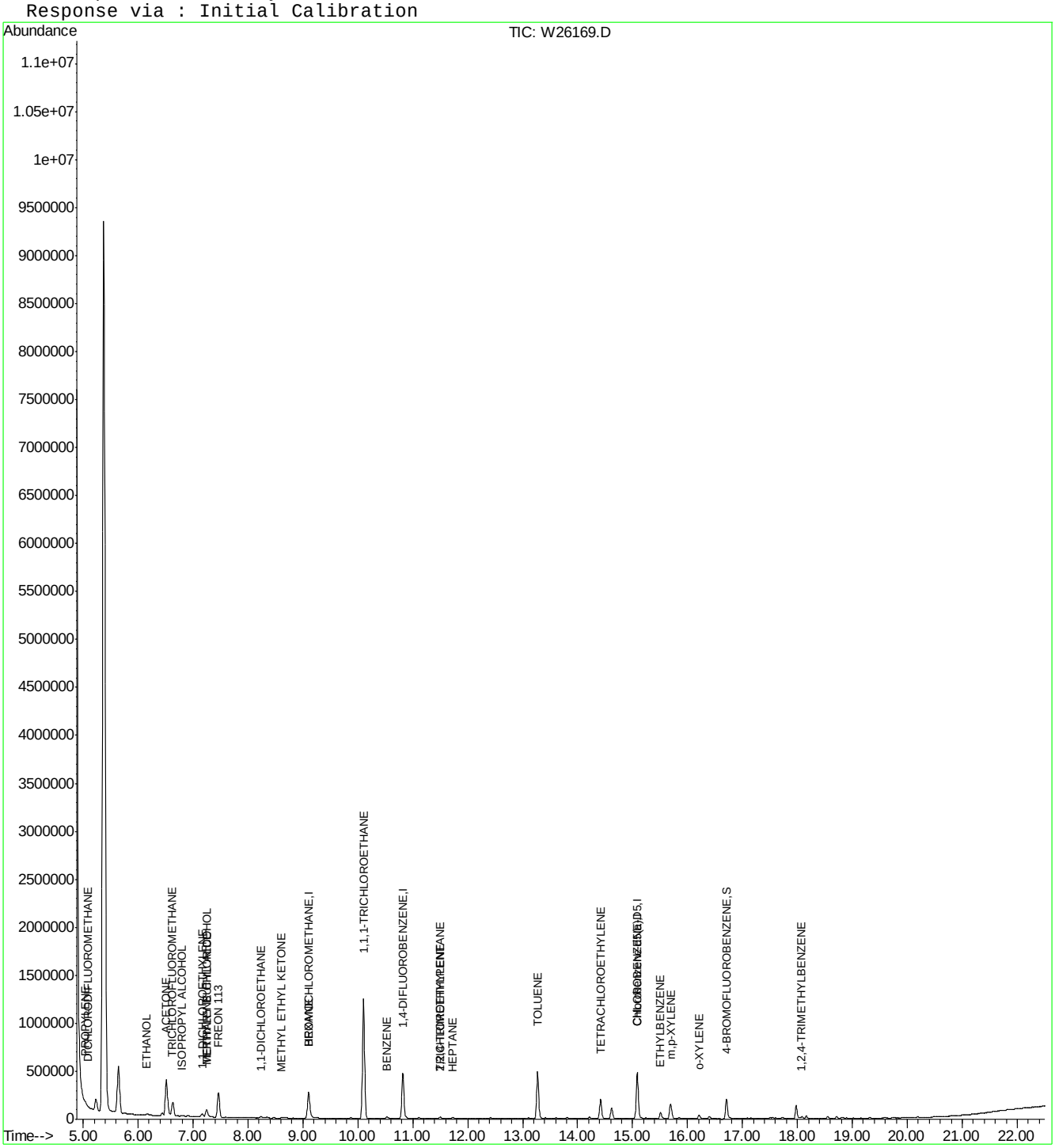
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	128227	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	601455	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	241929	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	241929	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	113186	4.84	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.80%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.10	85	5342	0.12	PPBV		98
6) PROPYLENE	5.04	41	15655	1.02	PPBV	#	74
17) TRICHLOROFLUOROMETHANE	6.63	101	193806	4.38	PPBV		100
18) ISOPROPYL ALCOHOL	6.80	45	23422	0.79	PPBV	#	63
19) ACETONE	6.51	58	278628	34.23	PPBV		95
23) 1,1-DICHLOROETHYLENE	7.16	96	23223	1.17	PPBV		97
25) ETHANOL	6.15	45	32745	4.57	PPBV	#	96
27) METHYLENE CHLORIDE	7.26	84	3862	0.23	PPBV		98
29) FREON 113	7.46	151	133805	3.93	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.24	59	11788	0.31	PPBV	#	1
34) HEXANE	9.10	57	8455	0.25	PPBV		85
36) 1,1-DICHLOROETHANE	8.23	63	18054	0.51	PPBV		99
37) METHYL ETHYL KETONE	8.62	72	5920	0.73	PPBV		97
43) 1,1,1-TRICHLOROETHANE	10.10	97	1120607	29.34	PPBV		99
47) BENZENE	10.53	78	21558	0.35	PPBV		99
50) TRICHLOROETHYLENE	11.50	95	2462	0.09	PPBV		99
53) 2,2,4-TRIMETHYLPENTANE	11.49	57	12609	0.12	PPBV		89
56) HEPTANE	11.72	43	7106	0.19	PPBV		89
60) TOLUENE	13.27	92	333354	7.78	PPBV		99
65) TETRACHLOROETHYLENE	14.42	164	77626	2.90	PPBV		99
71) ETHYLBENZENE	15.51	91	75033	0.97	PPBV		100
72) m,p-XYLENE	15.69	106	81480	2.70	PPBV		98
73) o-XYLENE	16.21	106	16672	0.57	PPBV		95
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	9674	0.19	PPBV	#	33

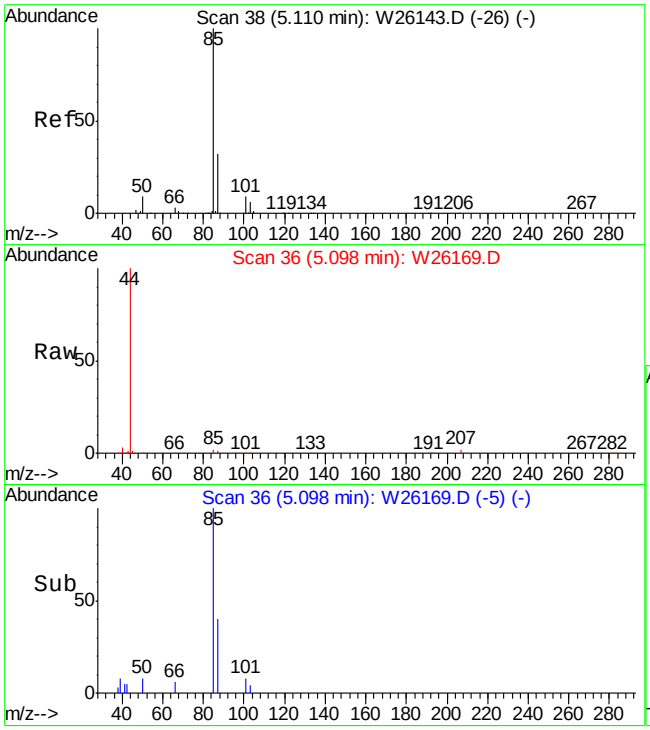
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26169.D Vial: 10
Acq On : 5 May 2010 9:58 pm Operator: YOUMINH
Sample : JA44640-11DUP Inst : MSW
Misc : MS95884,VW1082,100,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 10:13 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

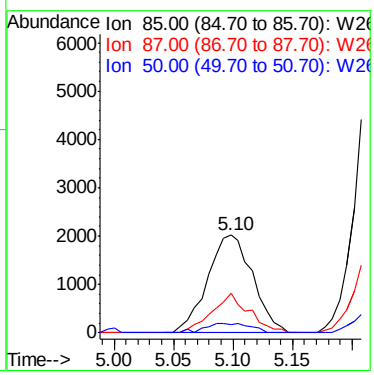


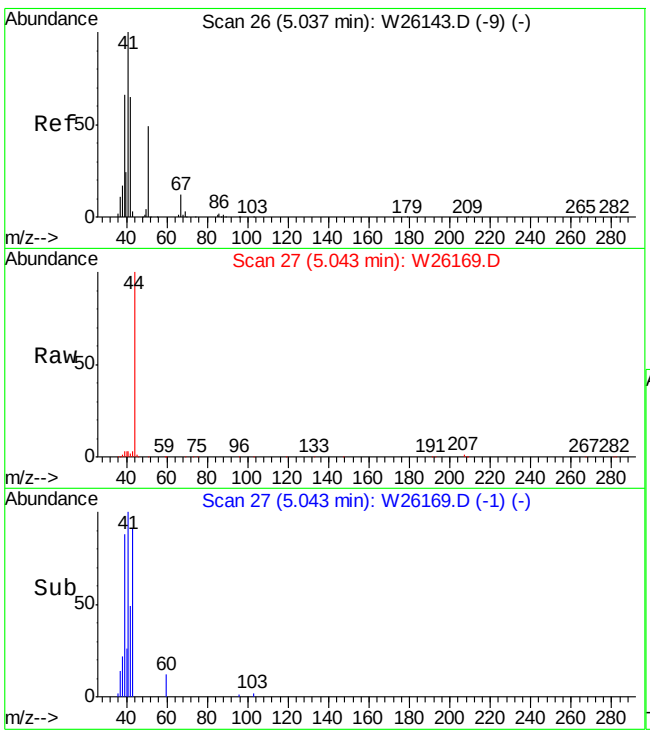


#5
DICHLORODIFLUOROMETHANE
Concen: 0.12 PPBV
RT: 5.10 min Scan# 36
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 85 Resp: 5342

Ion	Ratio	Lower	Upper
85	100		
87	33.5	12.3	52.3
50	9.6	0.0	29.8

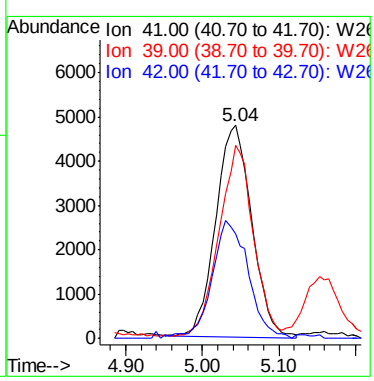


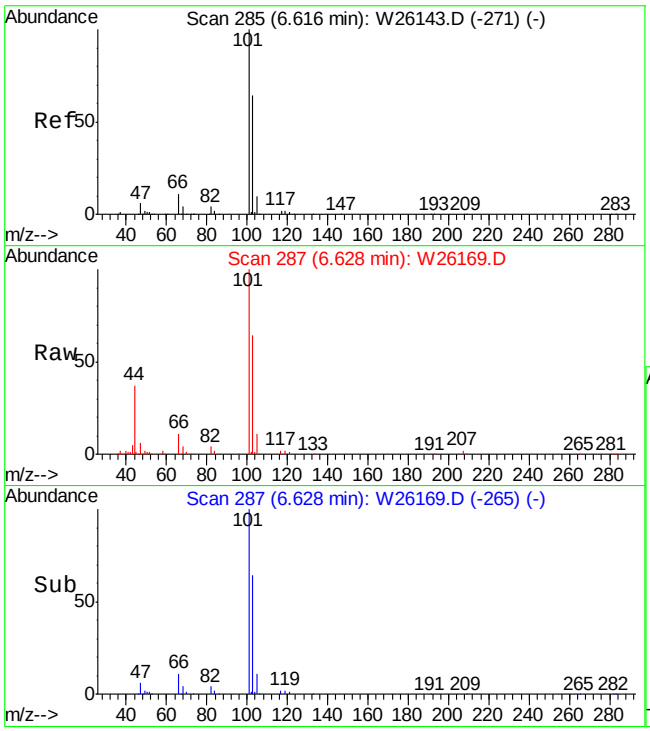


#6
PROPYLENE
Concen: 1.02 PPBV
RT: 5.04 min Scan# 27
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 41 Resp: 15655

Ion	Ratio	Lower	Upper
41	100		
39	90.7	46.3	86.3#
42	48.9	45.0	85.0

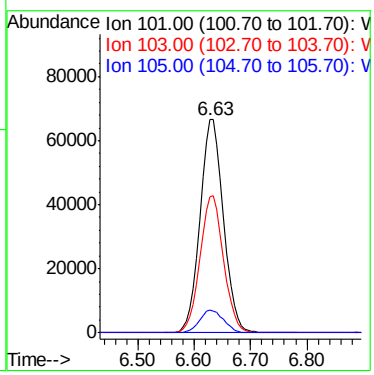


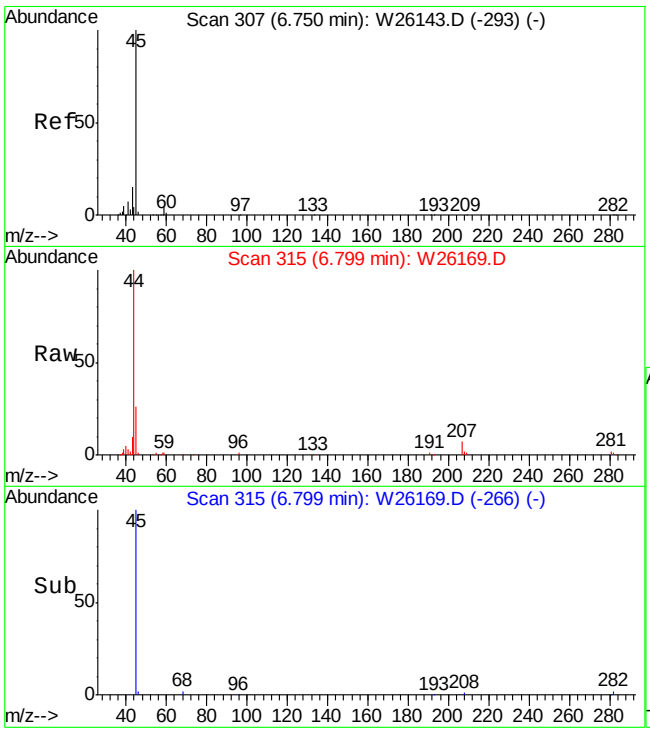


#17
TRICHLOROFLUOROMETHANE
Concen: 4.38 PPBV
RT: 6.63 min Scan# 287
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:101 Resp: 193806

Ion	Ratio	Lower	Upper
101	100		
103	64.7	44.6	84.6
105	10.9	0.0	30.3

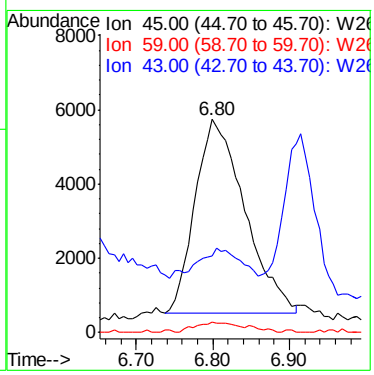


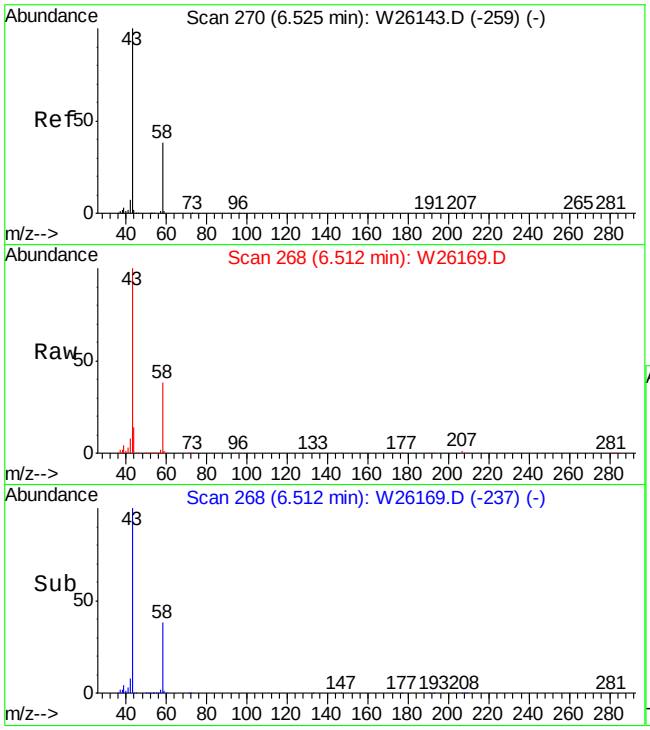


#18
ISOPROPYL ALCOHOL
Concen: 0.79 PPBV
RT: 6.80 min Scan# 315
Delta R.T. 0.05 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 45 Resp: 23422

Ion	Ratio	Lower	Upper
45	100		
59	4.7	0.0	24.5
43	36.2	0.0	35.9#

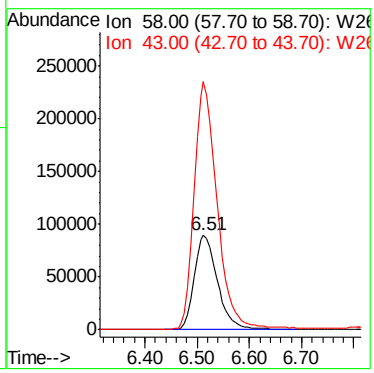


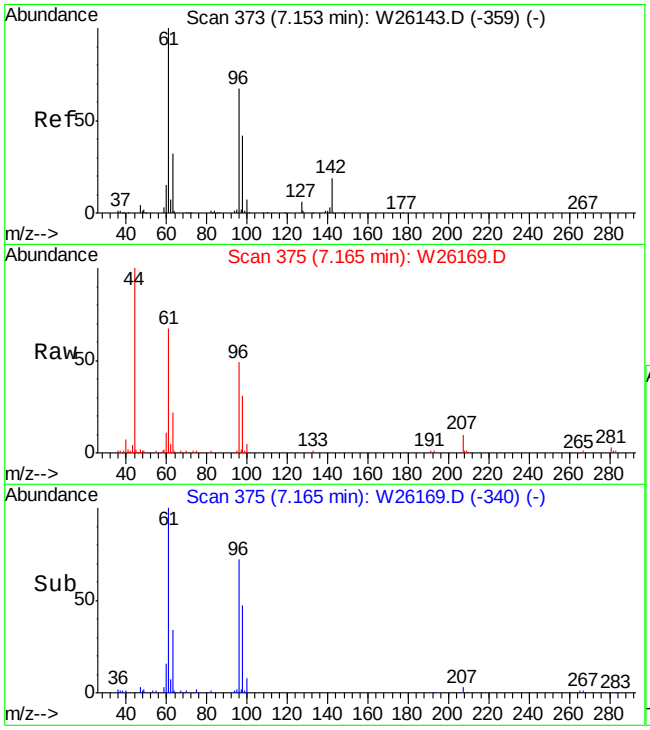


#19
ACETONE
Concen: 34.23 PPBV
RT: 6.51 min Scan# 268
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 58 Resp: 278628

Ion	Ratio	Lower	Upper
58	100		
43	256.7	245.6	285.6

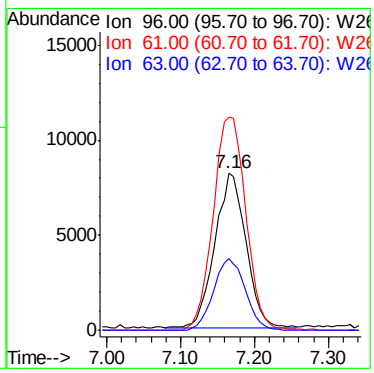


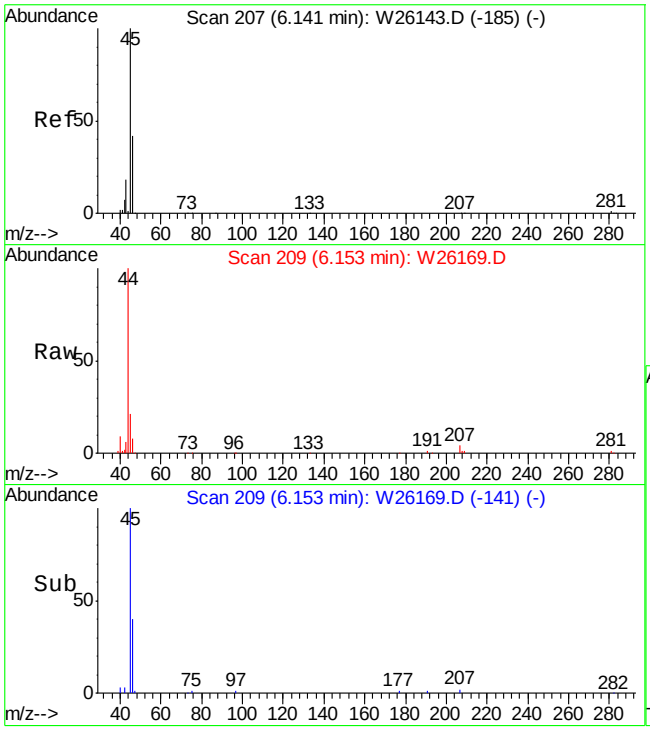


#23
1,1-DICHLOROETHYLENE
Concen: 1.17 PPBV
RT: 7.16 min Scan# 375
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 96 Resp: 23223

Ion	Ratio	Lower	Upper
96	100		
61	145.3	129.2	169.2
63	47.5	28.2	68.2

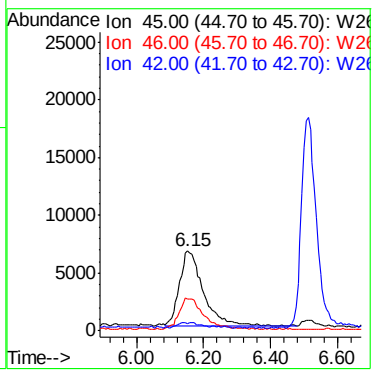


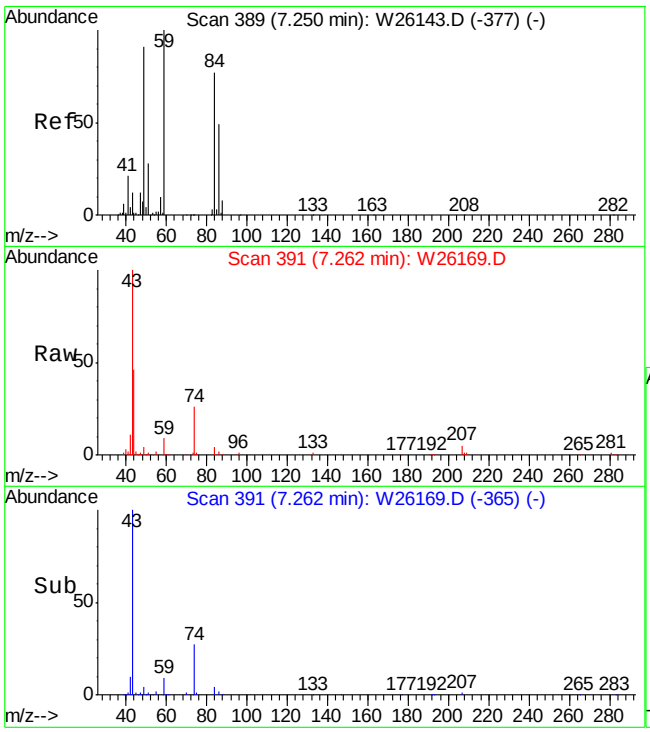


#25
ETHANOL
Concen: 4.57 PPBV
RT: 6.15 min Scan# 209
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 45 Resp: 32745

Ion	Ratio	Lower	Upper
45	100		
46	40.7	20.1	60.1
42	0.0	0.0	27.0

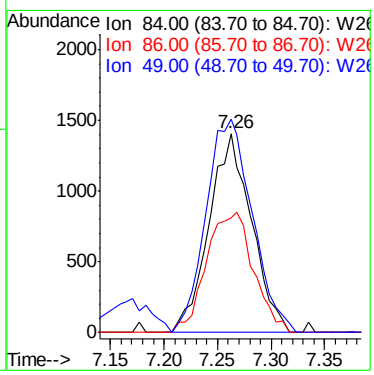


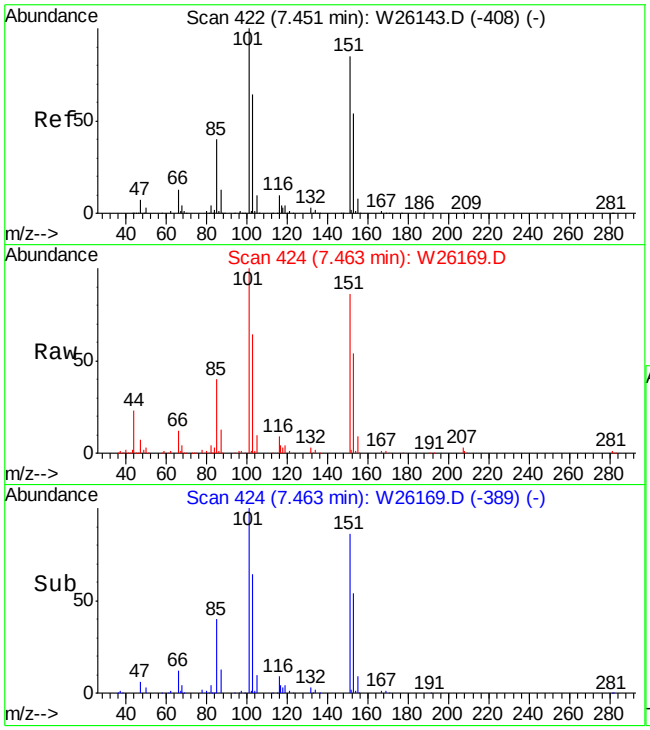


#27
METHYLENE CHLORIDE
Concen: 0.23 PPBV
RT: 7.26 min Scan# 391
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 84 Resp: 3862

Ion	Ratio	Lower	Upper
84	100		
86	67.0	44.2	84.2
49	117.1	0.0	316.5

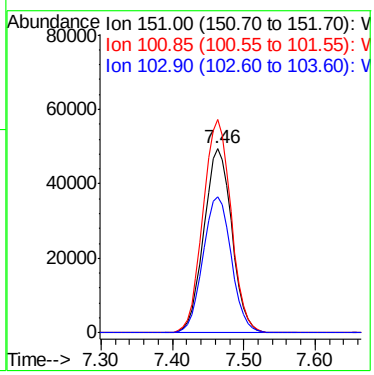


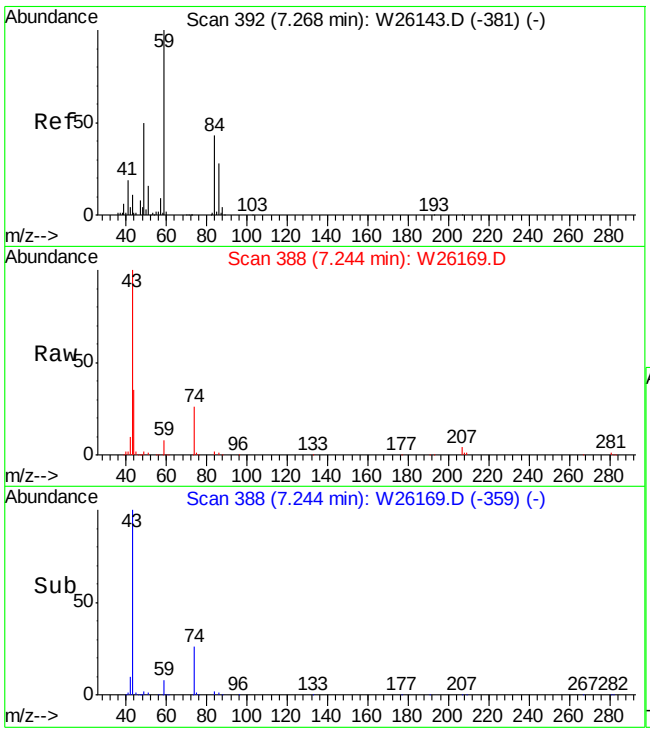


#29
FREON 113
Concen: 3.93 PPBV
RT: 7.46 min Scan# 424
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:151 Resp: 133805

Ion	Ratio	Lower	Upper
151	100		
101	116.4	97.9	137.9
103	75.0	55.6	95.6

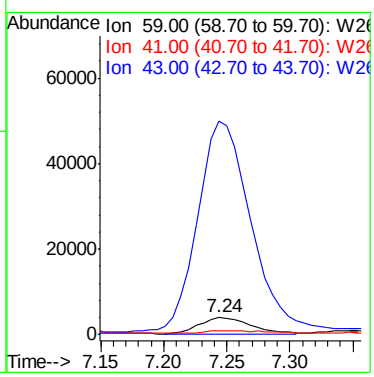


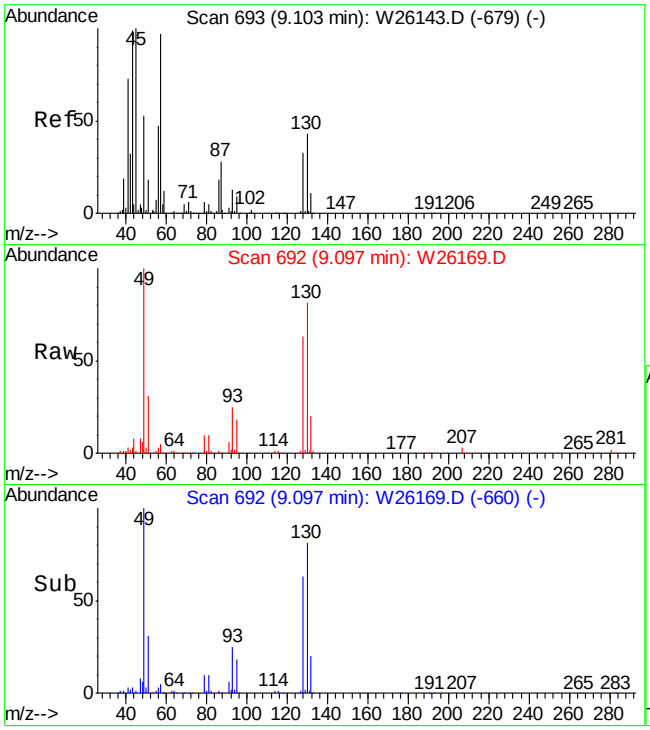


#31
TERTIARY BUTYL ALCOHOL
Concen: 0.31 PPBV
RT: 7.24 min Scan# 388
Delta R.T. -0.02 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 59 Resp: 11788

Ion	Ratio	Lower	Upper
59	100		
41	12.1	0.0	35.4
43	1243.9	0.0	31.4#

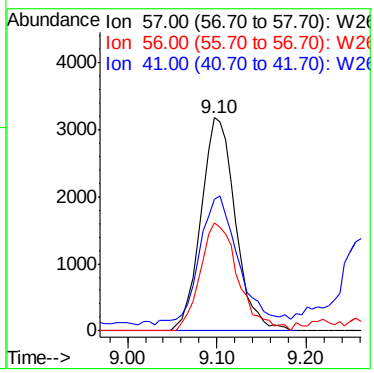


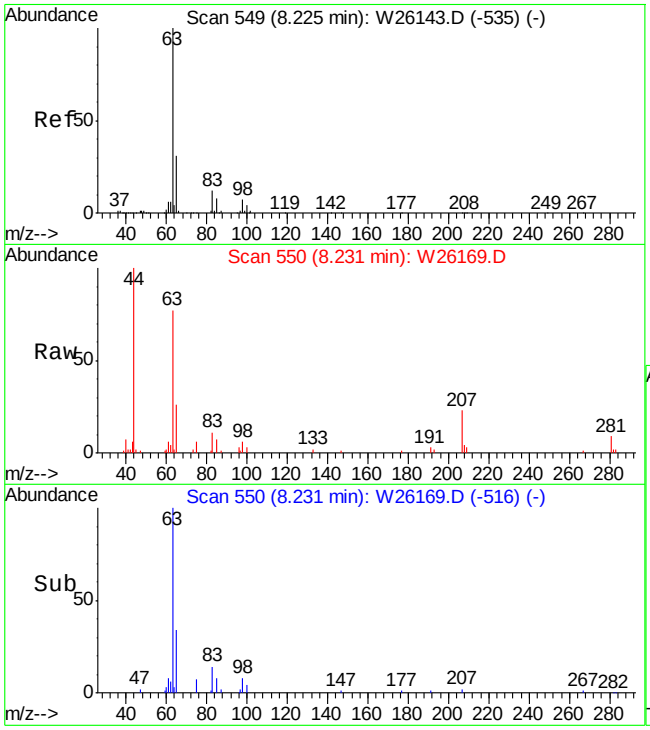


#34
HEXANE
Concen: 0.25 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 57 Resp: 8455

Ion	Ratio	Lower	Upper
57	100		
56	56.2	29.5	69.5
41	68.1	64.9	104.9

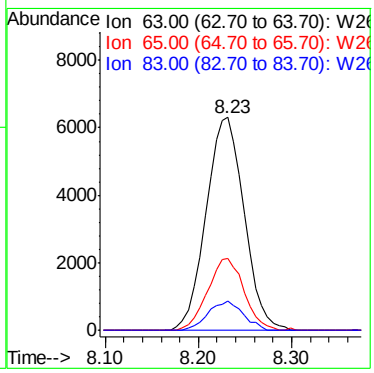


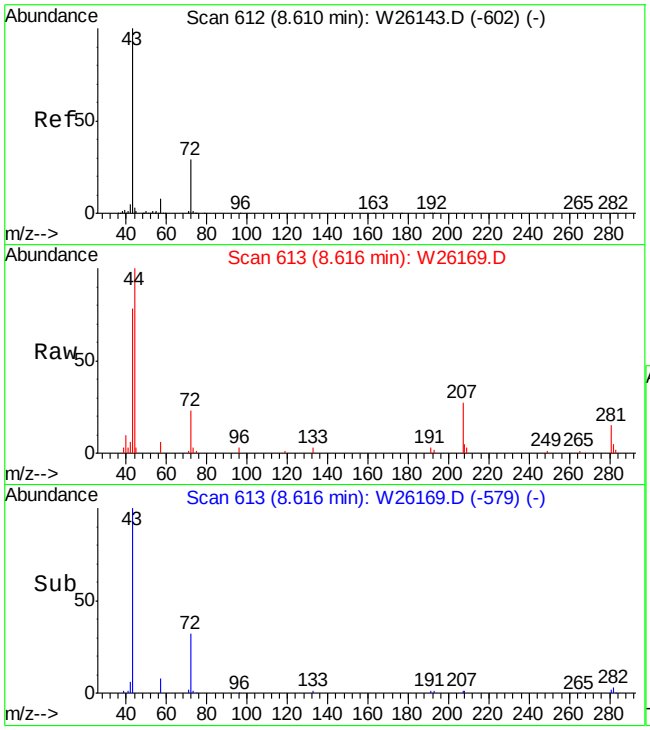


#36
1,1-DICHLOROETHANE
Concen: 0.51 PPBV
RT: 8.23 min Scan# 550
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 63 Resp: 18054

Ion	Ratio	Lower	Upper
63	100		
65	32.5	11.5	51.5
83	12.9	0.0	32.6

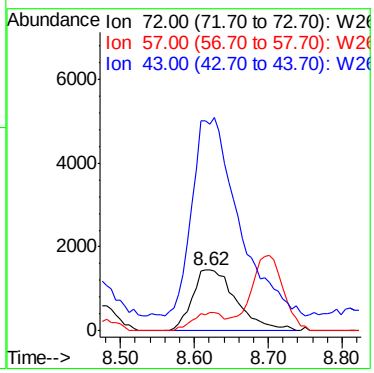


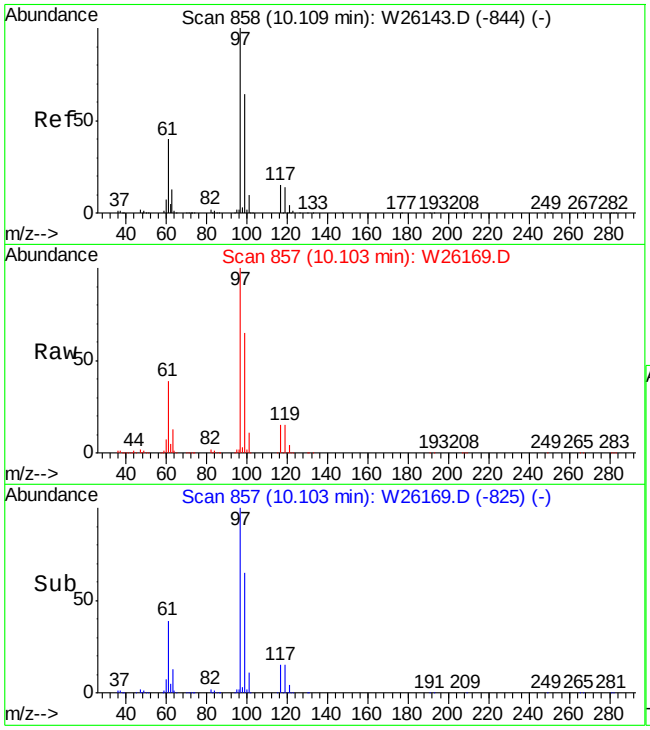


#37
METHYL ETHYL KETONE
Concen: 0.73 PPBV
RT: 8.62 min Scan# 613
Delta R.T. 0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 72 Resp: 5920

Ion	Ratio	Lower	Upper
72	100		
57	26.3	8.0	48.0
43	346.4	331.8	371.8

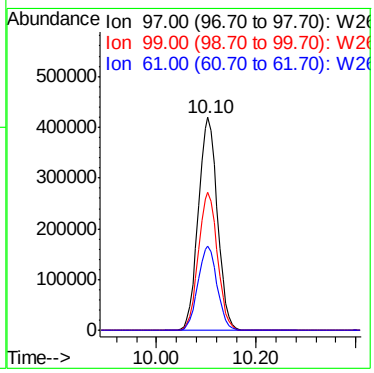


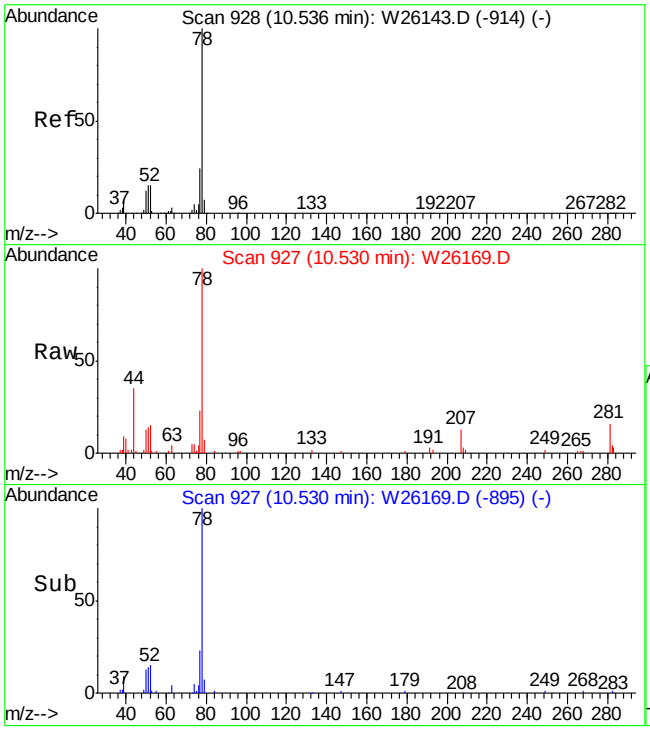


#43
1,1,1-TRICHLOROETHANE
Concen: 29.34 PPBV
RT: 10.10 min Scan# 857
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 97 Resp: 1120607

Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.0	84.0
61	39.8	20.2	60.2

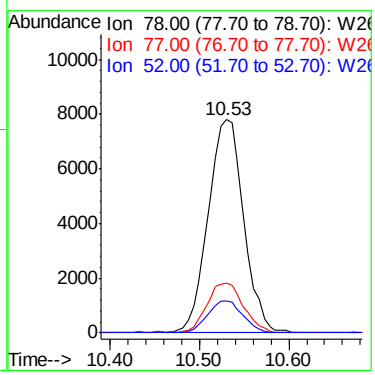


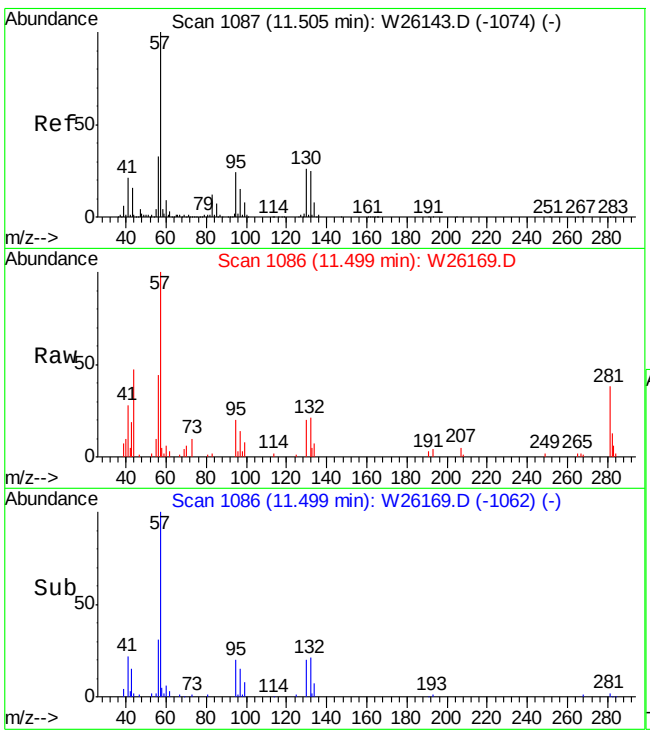


#47
BENZENE
Concen: 0.35 PPBV
RT: 10.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 78 Resp: 21558

Ion	Ratio	Lower	Upper
78	100		
77	24.1	3.5	43.5
52	14.8	0.0	34.8

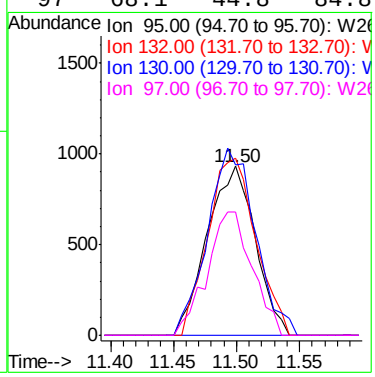


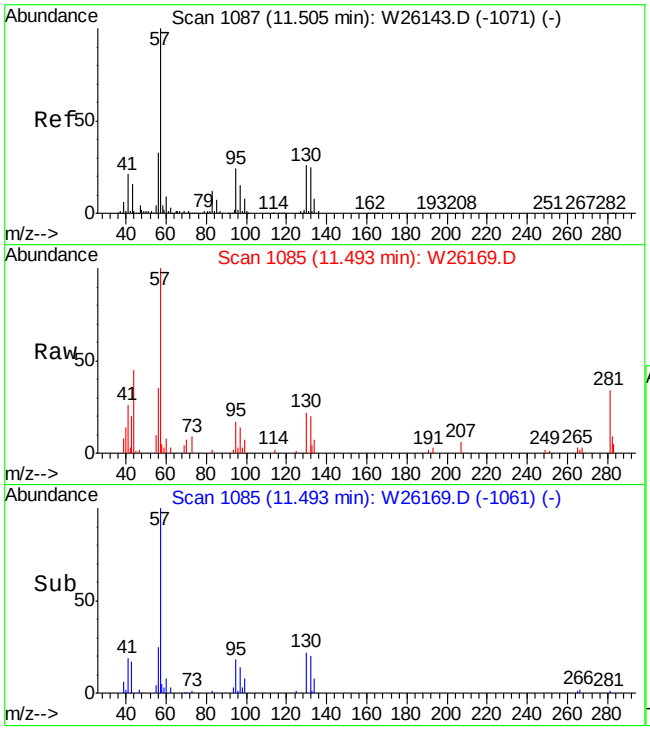


#50
TRICHLOROETHYLENE
Concen: 0.09 PPBV
RT: 11.50 min Scan# 1086
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 95 Resp: 2462

Ion	Ratio	Lower	Upper
95	100		
132	105.0	85.1	125.1
130	110.2	89.6	129.6
97	68.1	44.8	84.8

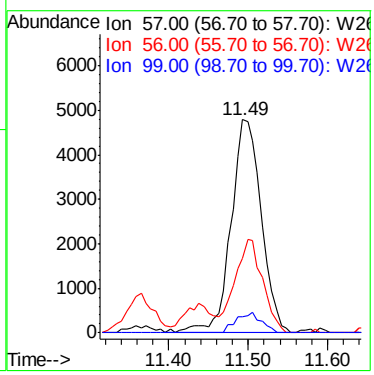


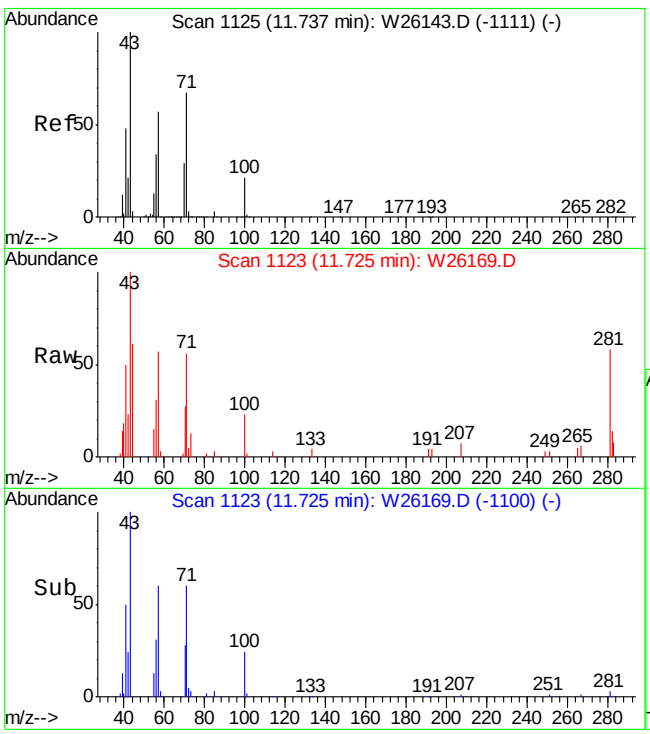


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.12 PPBV
RT: 11.49 min Scan# 1085
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 57 Resp: 12609

Ion	Ratio	Lower	Upper
57	100		
56	40.4	13.0	53.0
99	8.0	0.0	28.3

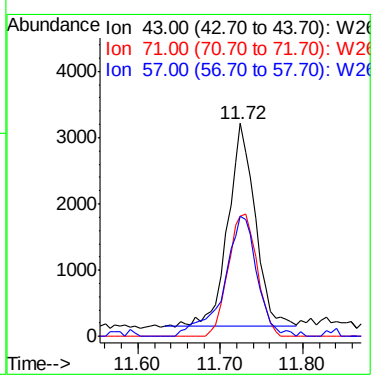


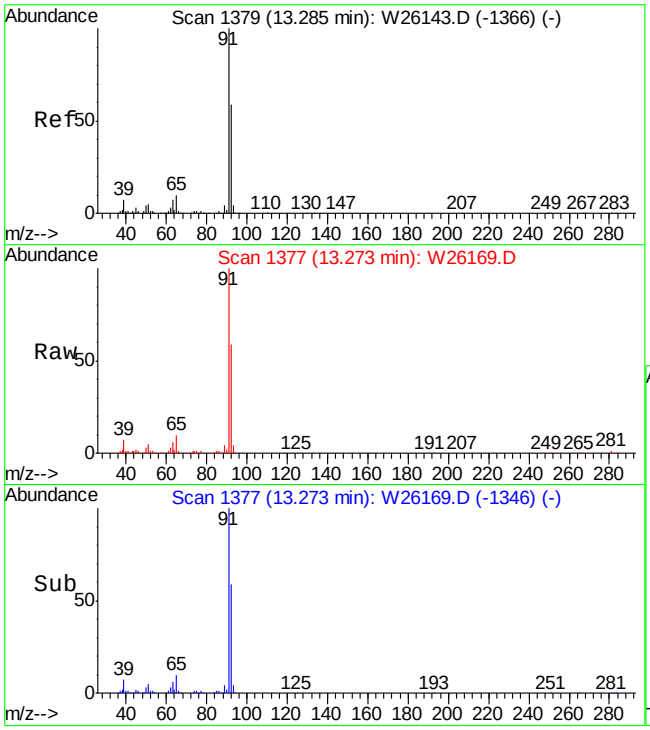


#56
HEPTANE
Concen: 0.19 PPBV
RT: 11.72 min Scan# 1123
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 43 Resp: 7106

Ion	Ratio	Lower	Upper
43	100		
71	64.1	45.5	85.5
57	71.8	36.6	76.6

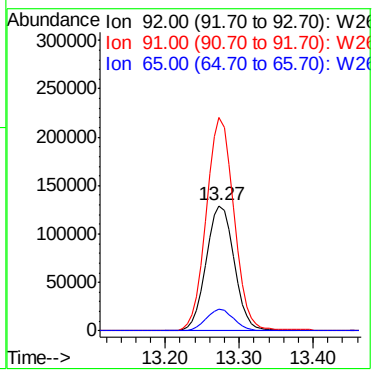


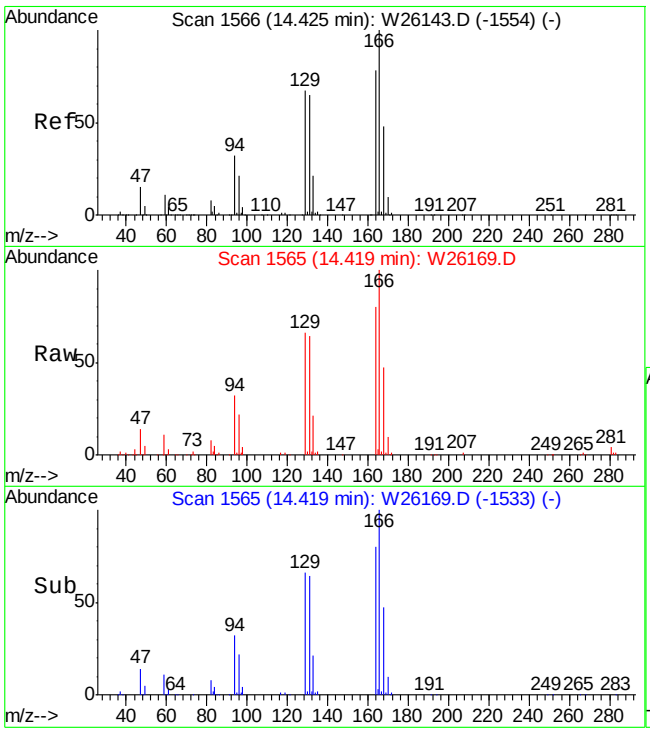


#60
TOLUENE
Concen: 7.78 PPBV
RT: 13.27 min Scan# 1377
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 92 Resp: 333354

Ion	Ratio	Lower	Upper
92	100		
91	168.9	148.1	188.1
65	17.1	0.0	37.4

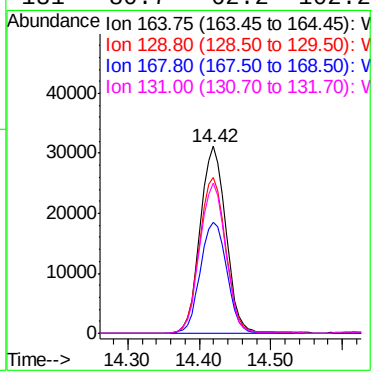


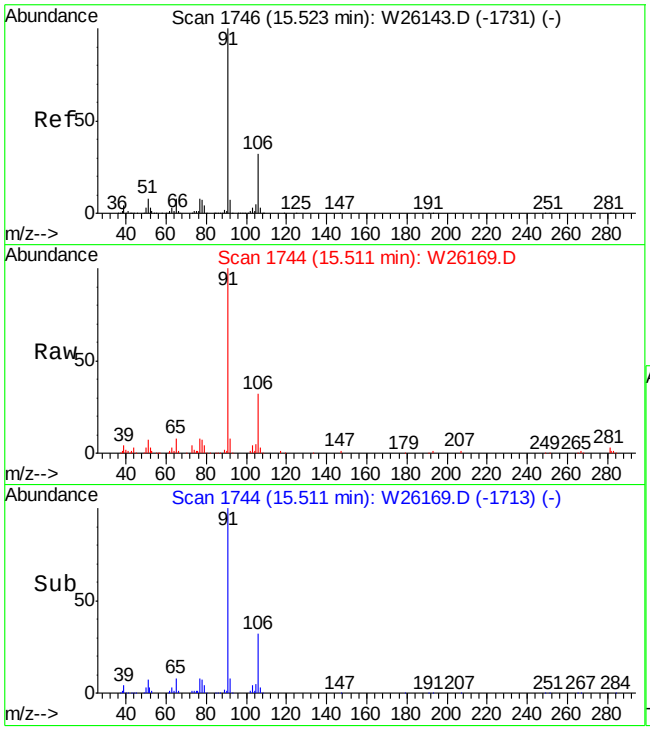


#65
TETRACHLOROETHYLENE
Concen: 2.90 PPBV
RT: 14.42 min Scan# 1565
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:164 Resp: 77626

Ion	Ratio	Lower	Upper
164	100		
129	85.1	65.1	105.1
168	61.5	41.4	81.4
131	80.7	62.2	102.2

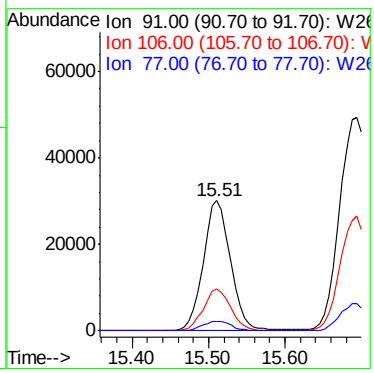


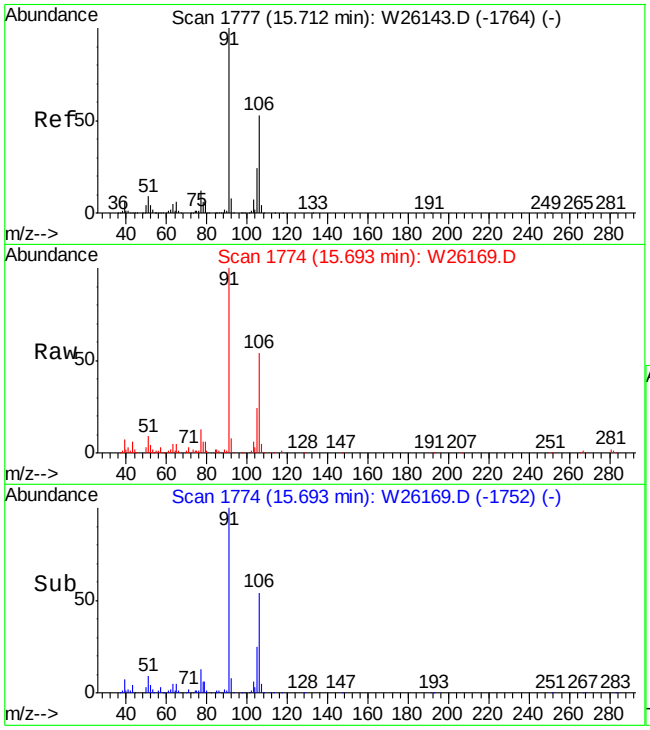


#71
ETHYLBENZENE
Concen: 0.97 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion: 91 Resp: 75033

Ion	Ratio	Lower	Upper
91	100		
106	32.2	12.3	52.3
77	7.8	0.0	27.9

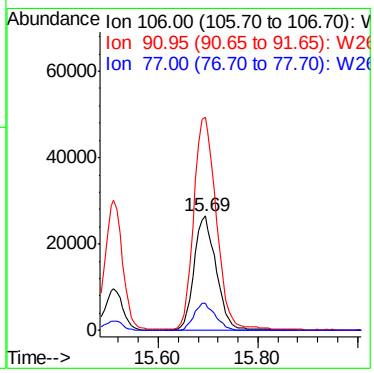


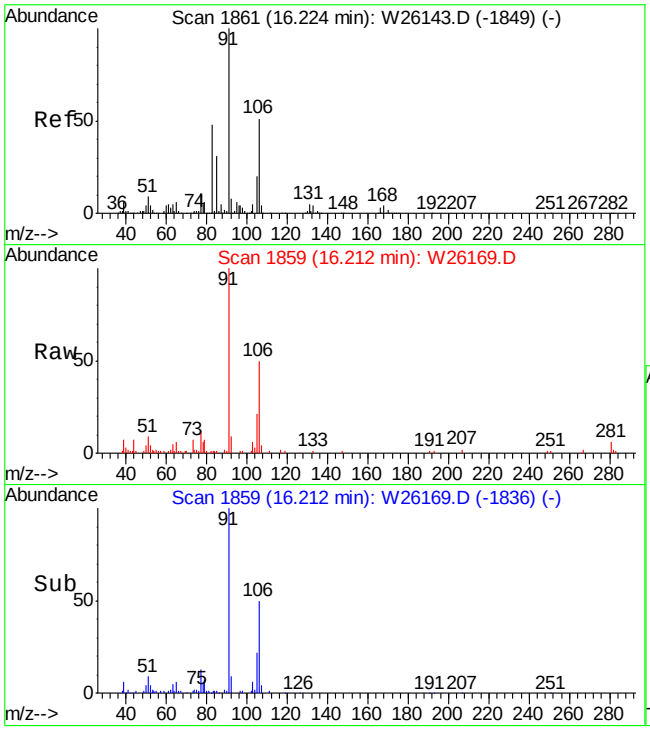


#72
m,p-XYLENE
Concen: 2.70 PPBV
RT: 15.69 min Scan# 1774
Delta R.T. -0.02 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:106 Resp: 81480

Ion	Ratio	Lower	Upper
106	100		
91	186.4	151.9	227.9
77	23.4	18.7	28.1

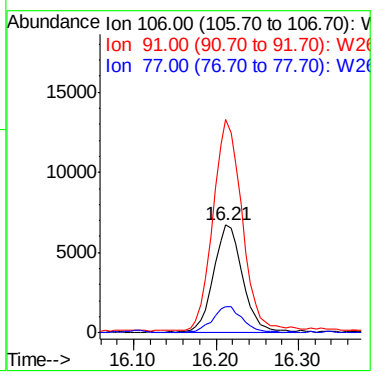


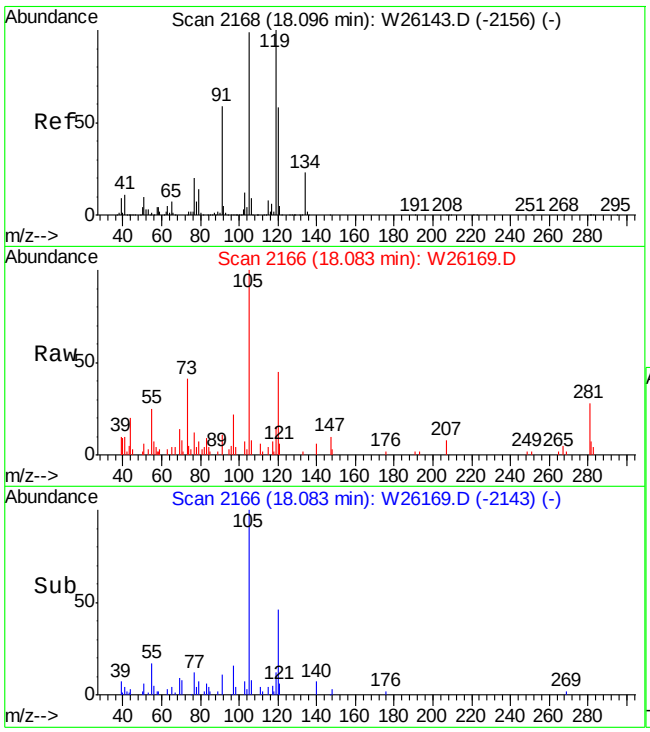


#73
o-XYLENE
Concen: 0.57 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:106 Resp: 16672

Ion	Ratio	Lower	Upper
106	100		
91	193.9	181.1	221.1
77	24.9	3.6	43.6

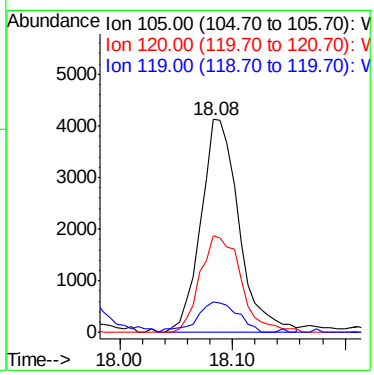




#86
1,2,4-TRIMETHYLBENZENE
Concen: 0.19 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26169.D
Acq: 5 May 2010 9:58 pm

Tgt Ion:105 Resp: 9674

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.9	78.9
119	15.4	98.8	138.8#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 05/07/10 18:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26192.D Vial: 11
Acq On : 6 May 2010 6:47 pm Operator: YOUMINH
Sample : JA45093-2DUP Inst : MSW
Misc : MS96154,VW1084,120,,,,1.20 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:52:08 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

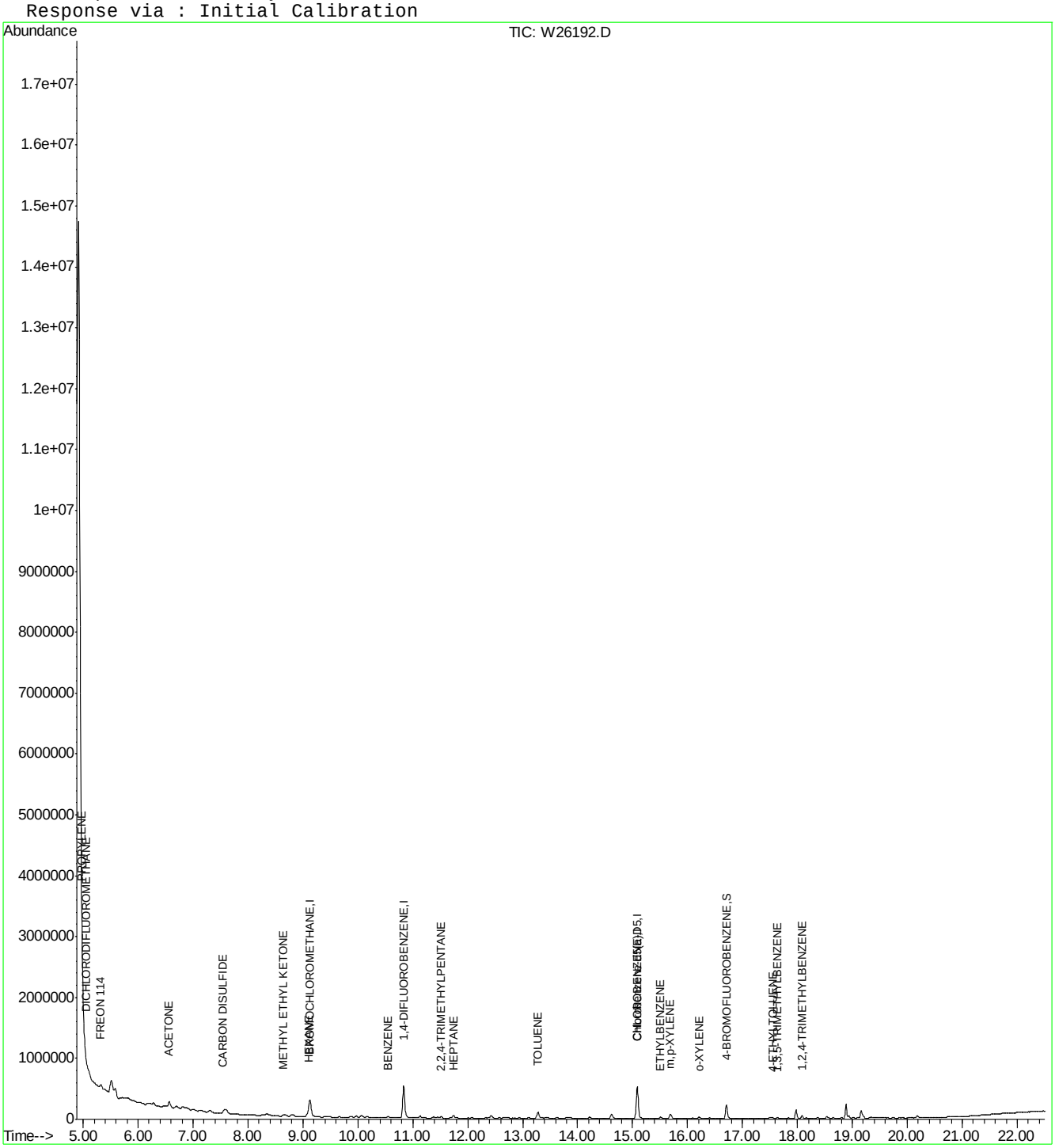
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.13	128	133414	10.00	PPBV		0.02
46) 1,4-DIFLUOROBENZENE	10.83	114	637092	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.08	82	258898	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	258492	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	119194	4.76	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.20%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.06	85	33758m	0.73	PPBV		
6) PROPYLENE	4.98	41	245311	15.38	PPBV		98
7) FREON 114	5.31	85	39743m	0.71	PPBV		
19) ACETONE	6.57	58	81718	9.65	PPBV	#	80
24) CARBON DISULFIDE	7.53	76	15793	0.27	PPBV	#	85
34) HEXANE	9.10	57	31900	0.92	PPBV		92
37) METHYL ETHYL KETONE	8.65	72	12890	1.52	PPBV	#	90
47) BENZENE	10.55	78	27214	0.41	PPBV		91
53) 2,2,4-TRIMETHYLPENTANE	11.51	57	17119	0.16	PPBV	#	63
56) HEPTANE	11.74	43	22590	0.57	PPBV		98
60) TOLUENE	13.28	92	72330	1.59	PPBV		97
71) ETHYLBENZENE	15.51	91	27872	0.34	PPBV		99
72) m,p-XYLENE	15.69	106	36777	1.14	PPBV		98
73) o-XYLENE	16.21	106	12029	0.38	PPBV		95
83) 4-ETHYLTOLUENE	17.55	105	9469	0.14	PPBV		91
84) 1,3,5-TRIMETHYLBENZENE	17.63	105	11507	0.20	PPBV		93
86) 1,2,4-TRIMETHYLBENZENE	18.08	105	32347	0.60	PPBV	#	33

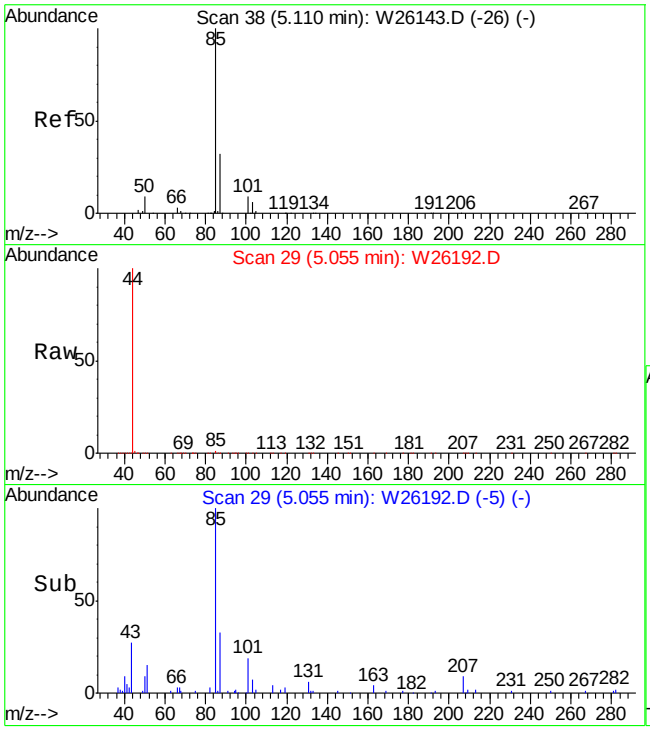
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26192.D Vial: 11
Acq On : 6 May 2010 6:47 pm Operator: YOUMINH
Sample : JA45093-2DUP Inst : MSW
Misc : MS96154,VW1084,120,,,,1.20 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:14 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

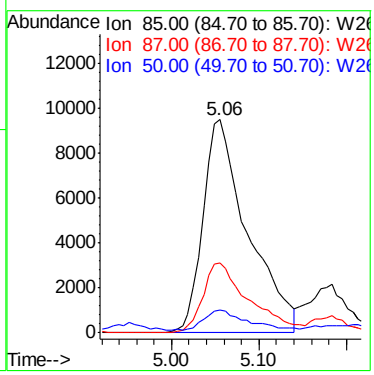


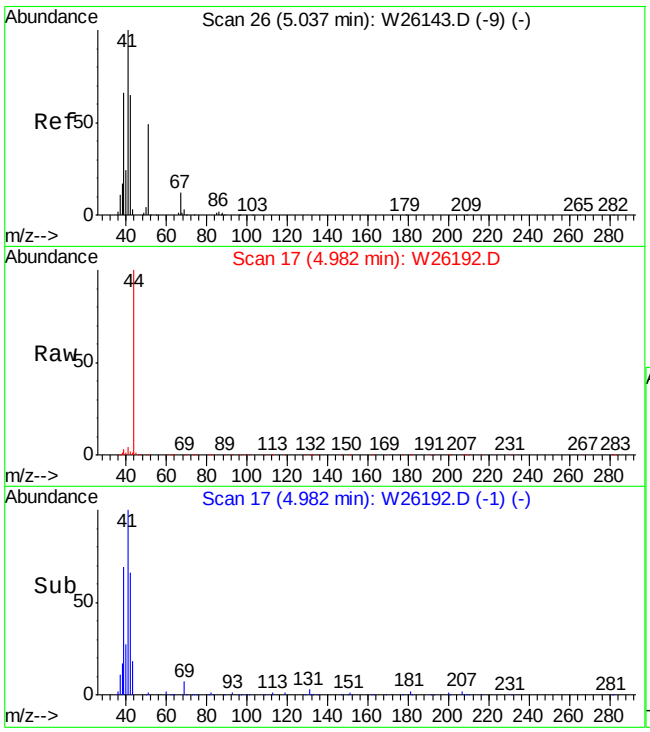


#5
DICHLORODIFLUOROMETHANE
Concen: 0.73 PPBV m
RT: 5.06 min Scan# 29
Delta R.T. -0.06 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 85 Resp: 33758

Ion	Ratio	Lower	Upper
85	100		
87	2.7	12.3	52.3#
50	1.2	0.0	29.8

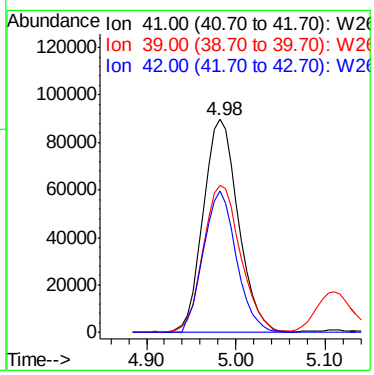


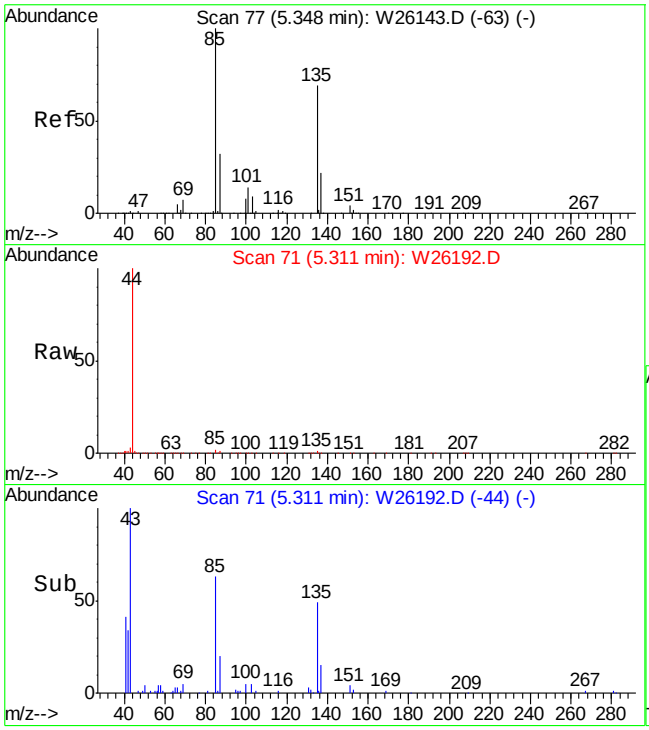


#6
PROPYLENE
Concen: 15.38 PPBV
RT: 4.98 min Scan# 17
Delta R.T. -0.06 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 41 Resp: 245311

Ion	Ratio	Lower	Upper
41	100		
39	69.0	46.3	86.3
42	66.2	45.0	85.0

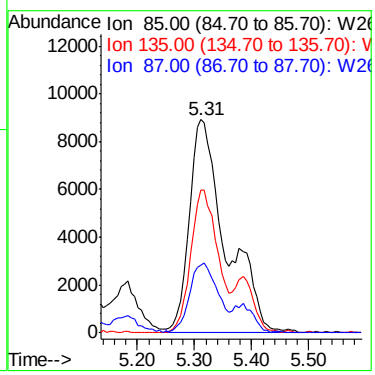


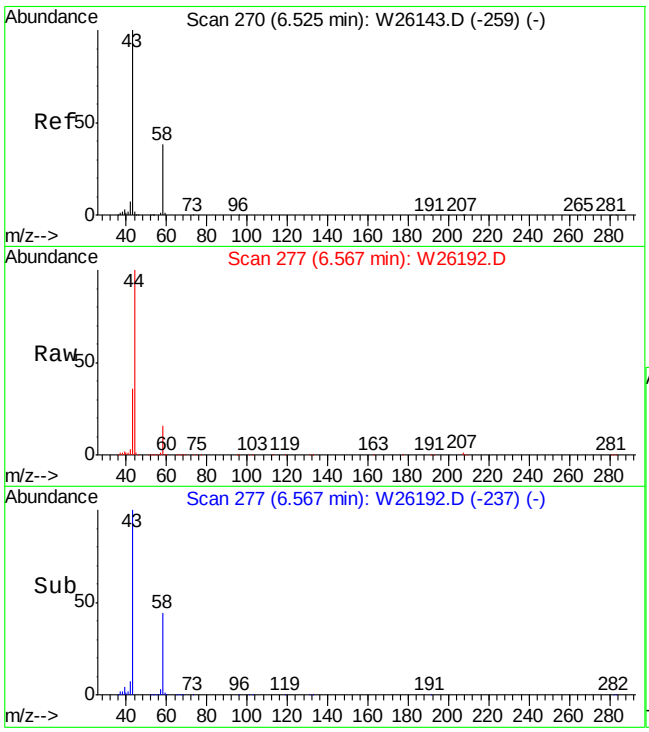


#7
FREON 114
Concen: 0.71 PPBV m
RT: 5.31 min Scan# 71
Delta R.T. -0.04 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 85 Resp: 39743

Ion	Ratio	Lower	Upper
85	100		
135	14.4	48.8	88.8#
87	7.4	12.0	52.0#

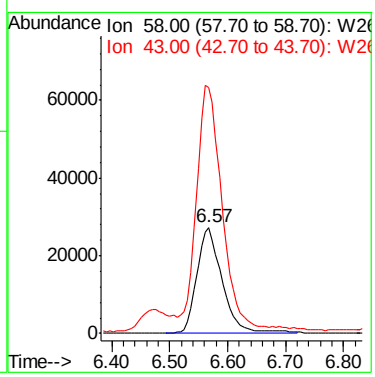




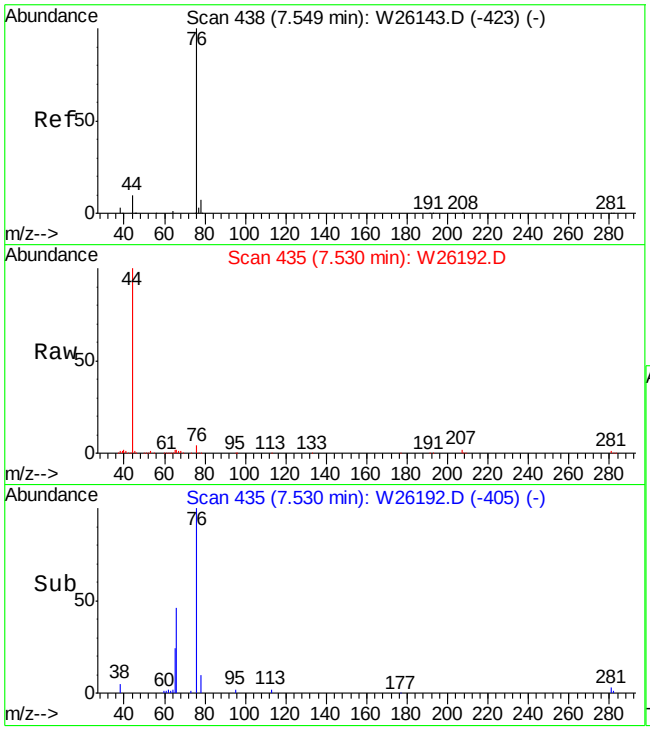
#19
ACETONE
Concen: 9.65 PPBV
RT: 6.57 min Scan# 277
Delta R.T. 0.04 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 58 Resp: 81718

Ion	Ratio	Lower	Upper
58	100		
43	229.5	245.6	285.6#



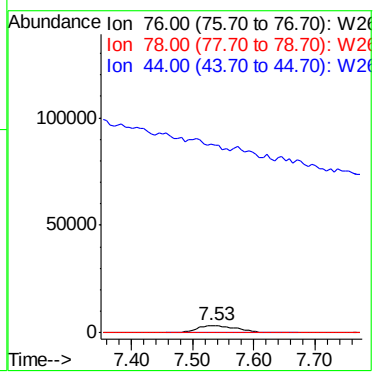
ACCUTEST Laboratories
JA45152

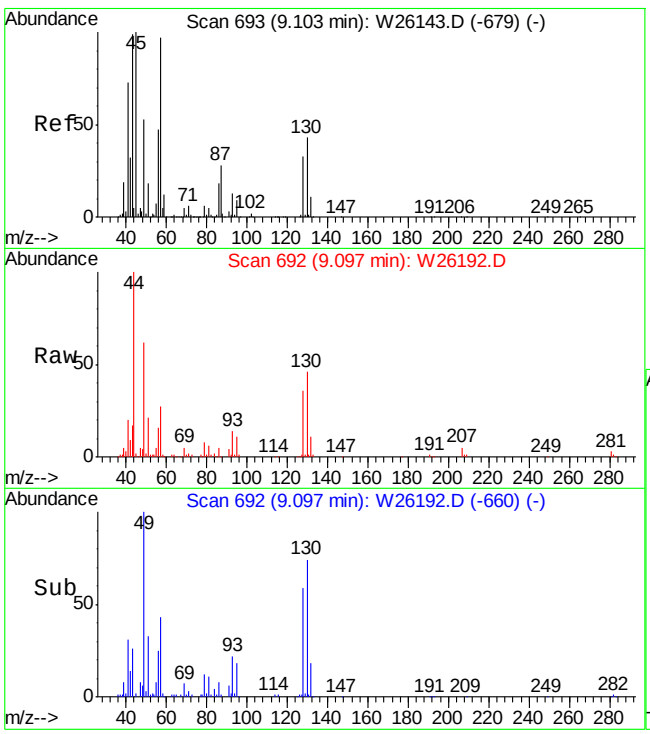


#24
CARBON DISULFIDE
Concen: 0.27 PPBV
RT: 7.53 min Scan# 435
Delta R.T. -0.02 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 76 Resp: 15793

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	28.6
44	0.0	0.0	29.6

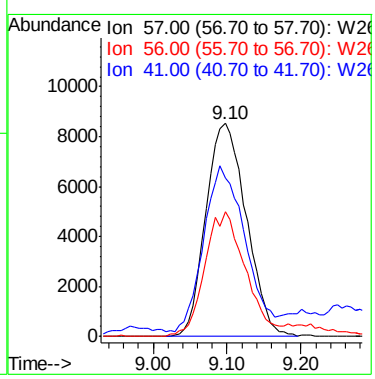


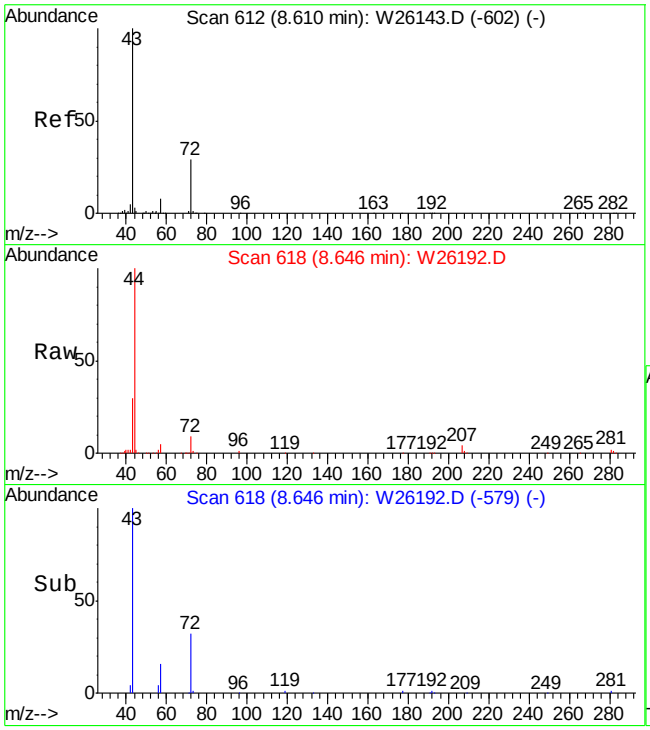


#34
HEXANE
Concen: 0.92 PPBV
RT: 9.10 min Scan# 692
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 57 Resp: 31900

Ion	Ratio	Lower	Upper
57	100		
56	58.7	29.5	69.5
41	79.9	64.9	104.9

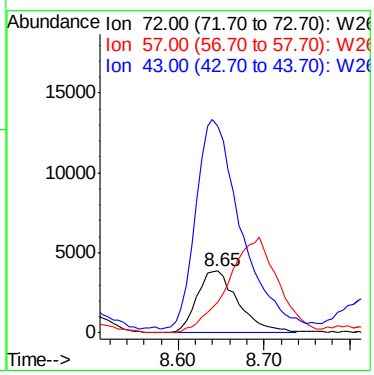


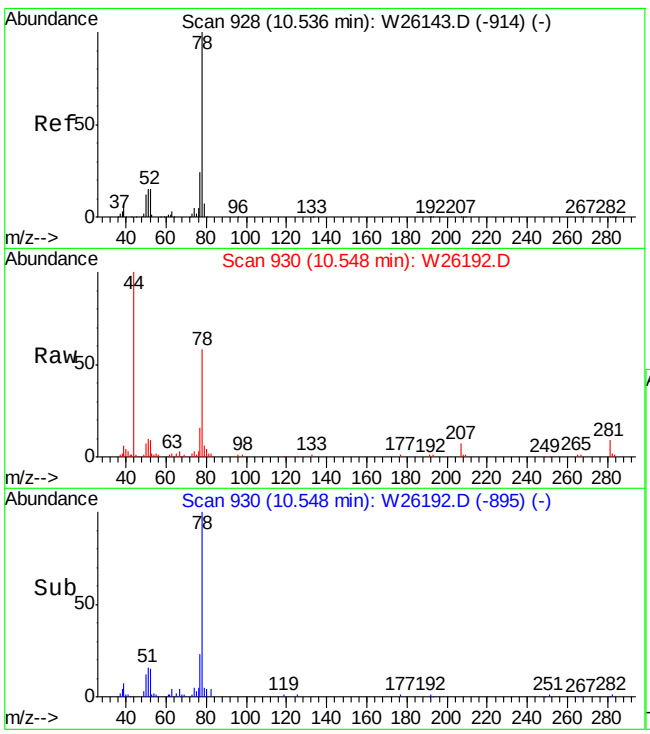


#37
METHYL ETHYL KETONE
Concen: 1.52 PPBV
RT: 8.65 min Scan# 618
Delta R.T. 0.04 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 72 Resp: 12890

Ion	Ratio	Lower	Upper
72	100		
57	50.1	8.0	48.0#
43	335.2	331.8	371.8

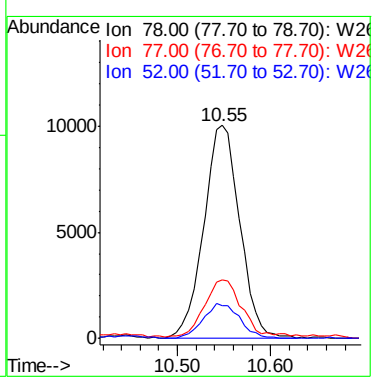




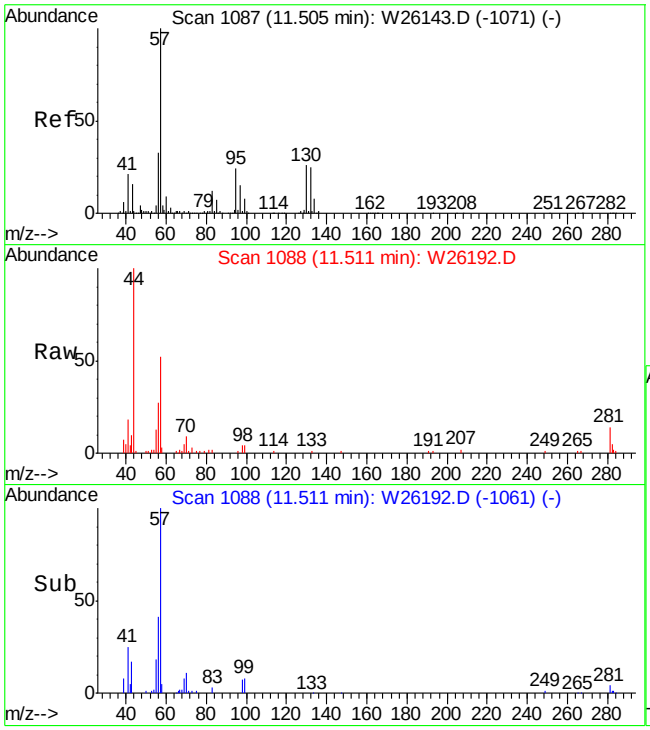
#47
BENZENE
Concen: 0.41 PPBV
RT: 10.55 min Scan# 930
Delta R.T. 0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 78 Resp: 27214

Ion	Ratio	Lower	Upper
78	100		
77	29.0	3.5	43.5
52	16.6	0.0	34.8



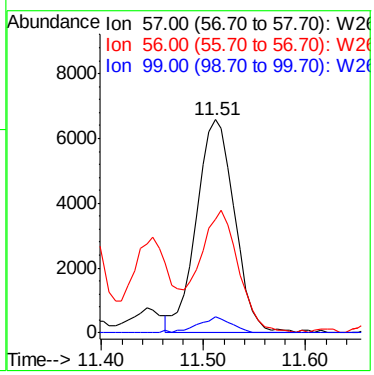
ACCUTEST Laboratories
JA45152

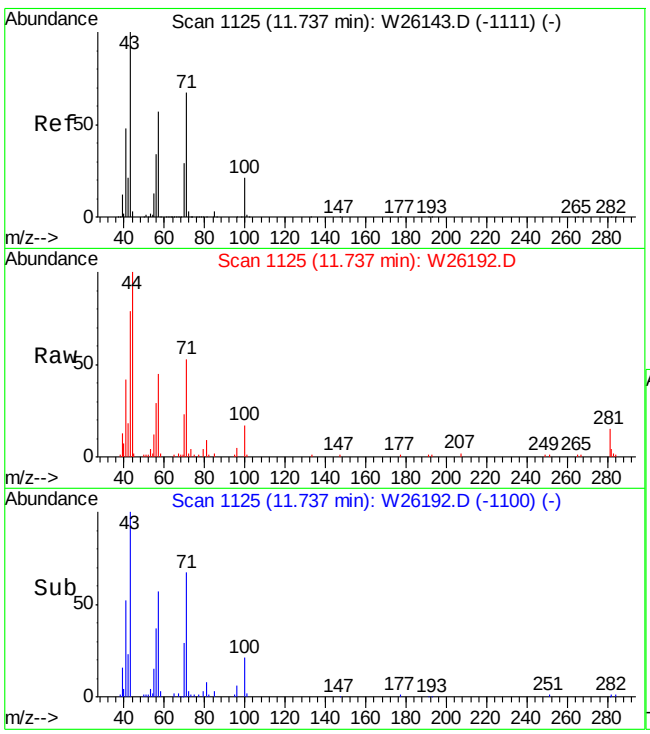


#53
2,2,4-TRIMETHYLPENTANE
Concen: 0.16 PPBV
RT: 11.51 min Scan# 1088
Delta R.T. 0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 57 Resp: 17119

Ion	Ratio	Lower	Upper
57	100		
56	58.3	13.0	53.0#
99	6.5	0.0	28.3

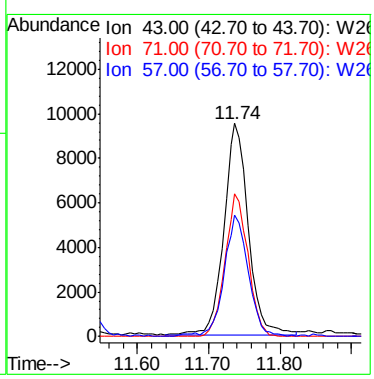


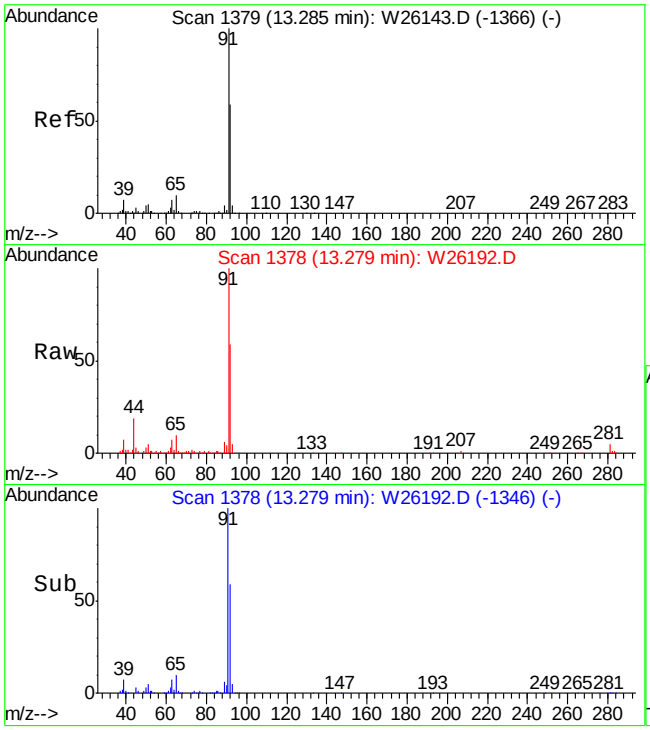


#56
HEPTANE
Concen: 0.57 PPBV
RT: 11.74 min Scan# 1125
Delta R.T. -0.00 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 43 Resp: 22590

Ion	Ratio	Lower	Upper
43	100		
71	63.3	45.5	85.5
57	57.4	36.6	76.6

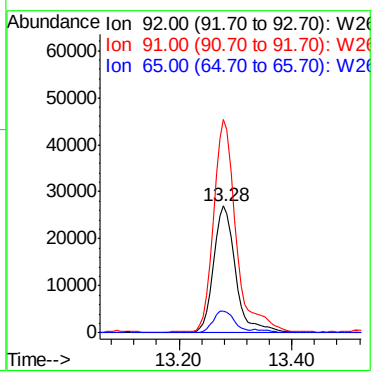


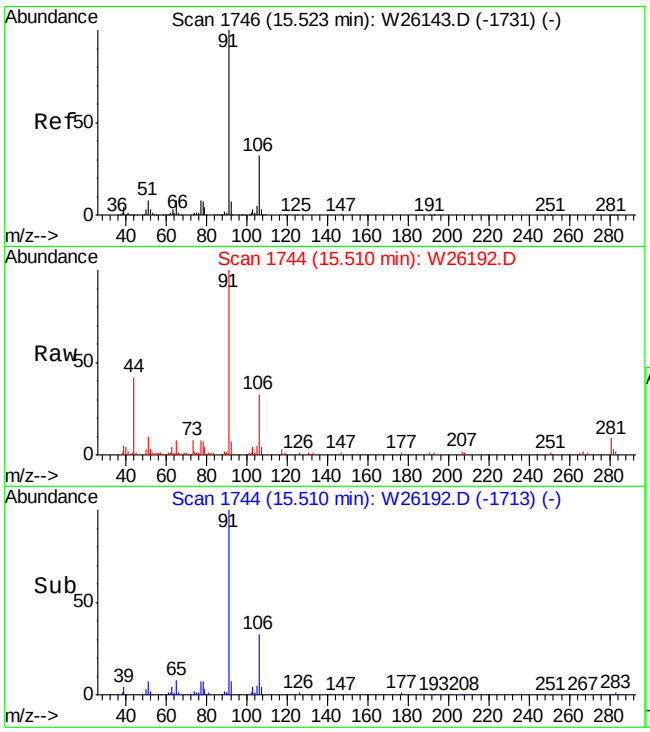


#60
TOLUENE
Concen: 1.59 PPBV
RT: 13.28 min Scan# 1378
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 92 Resp: 72330

Ion	Ratio	Lower	Upper
92	100		
91	172.2	148.1	188.1
65	16.7	0.0	37.4

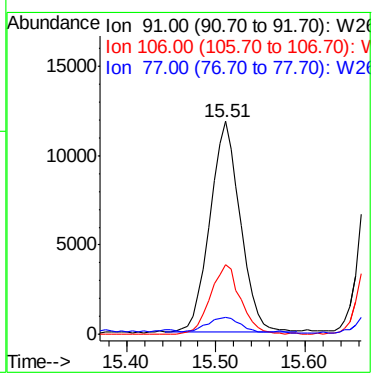


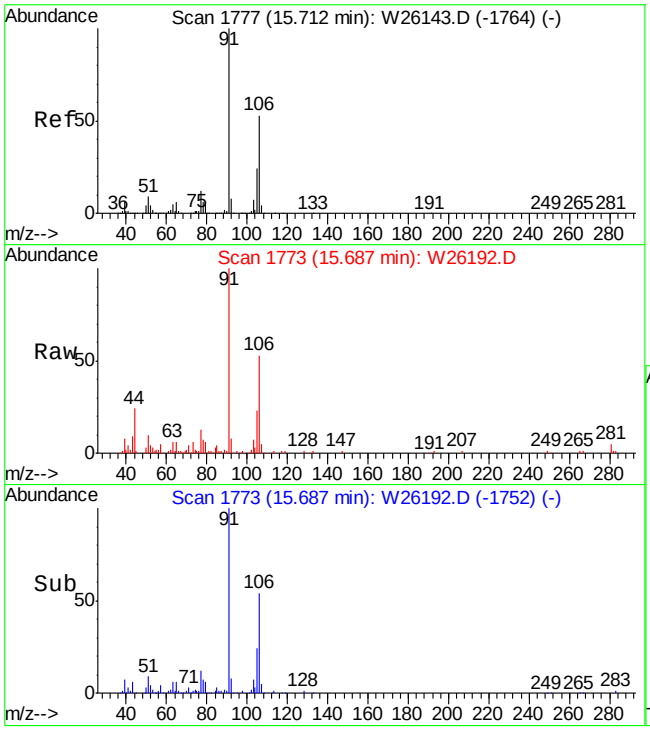


#71
ETHYLBENZENE
Concen: 0.34 PPBV
RT: 15.51 min Scan# 1744
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion: 91 Resp: 27872

Ion	Ratio	Lower	Upper
91	100		
106	32.9	12.3	52.3
77	8.2	0.0	27.9

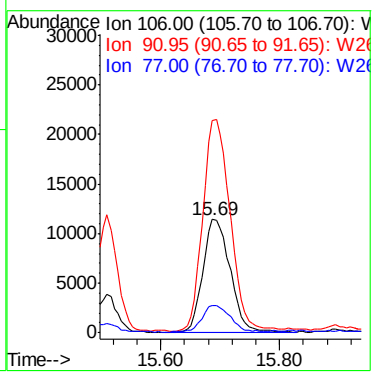


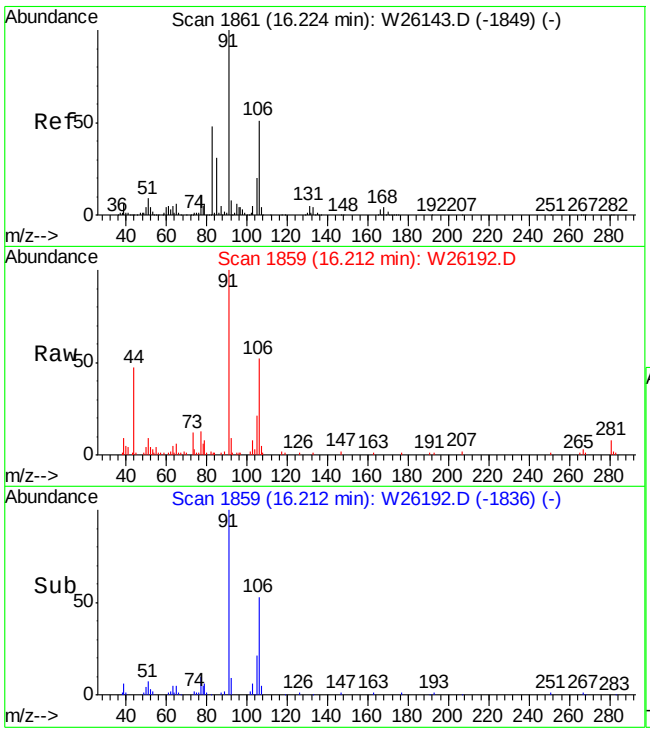


#72
m,p-XYLENE
Concen: 1.14 PPBV
RT: 15.69 min Scan# 1773
Delta R.T. -0.02 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion:106 Resp: 36777

Ion	Ratio	Lower	Upper
106	100		
91	187.4	151.9	227.9
77	23.8	18.7	28.1

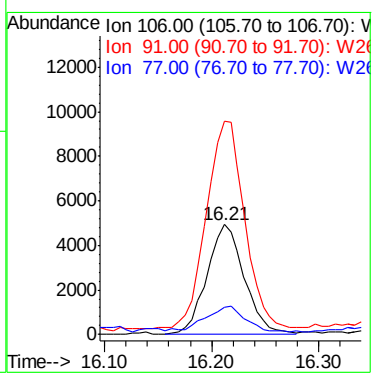


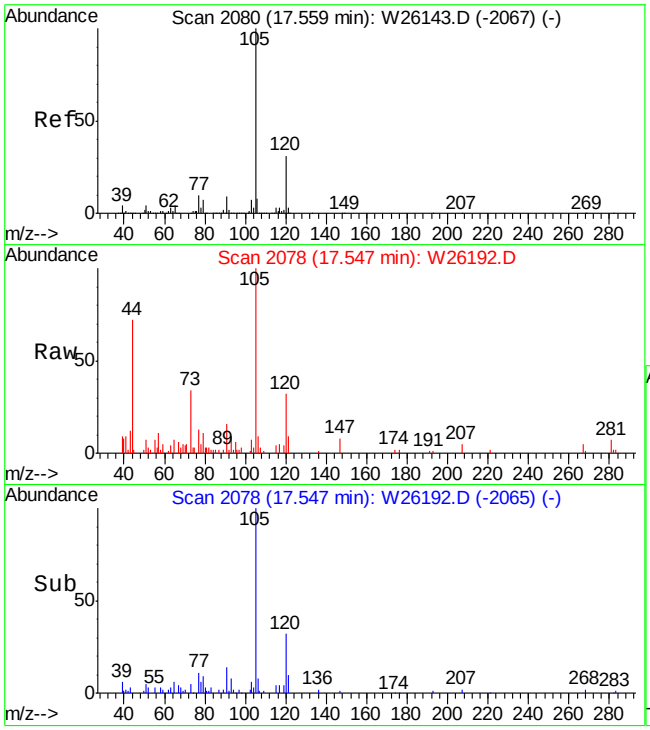


#73
o-XYLENE
Concen: 0.38 PPBV
RT: 16.21 min Scan# 1859
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion:106 Resp: 12029

Ion	Ratio	Lower	Upper
106	100		
91	192.4	181.1	221.1
77	25.2	3.6	43.6

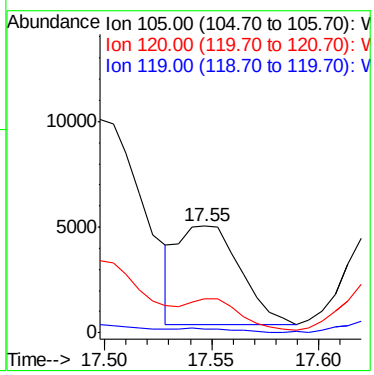


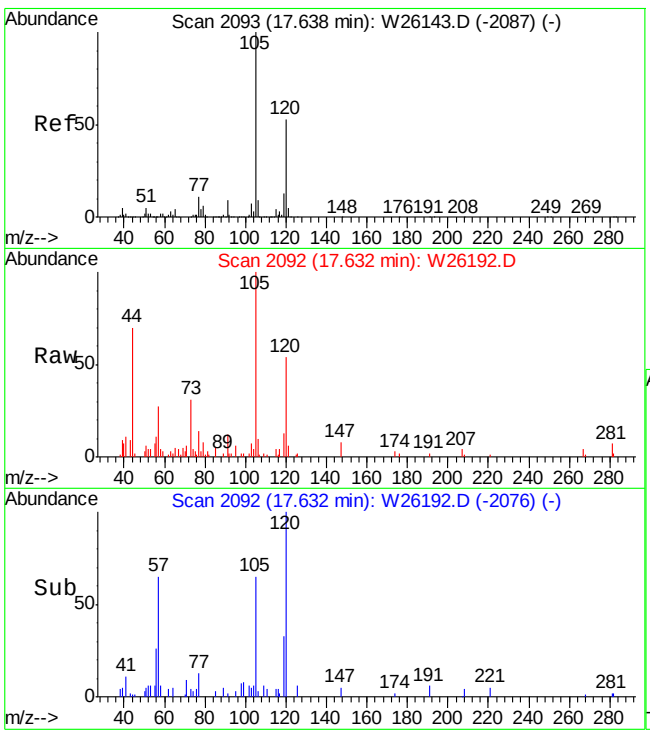


#83
4-ETHYLTOLUENE
Concen: 0.14 PPBV
RT: 17.55 min Scan# 2078
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion:105 Resp: 9469

Ion	Ratio	Lower	Upper
105	100		
120	25.4	10.4	50.4
119	4.1	0.0	22.4

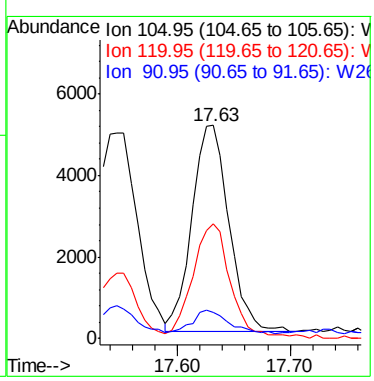


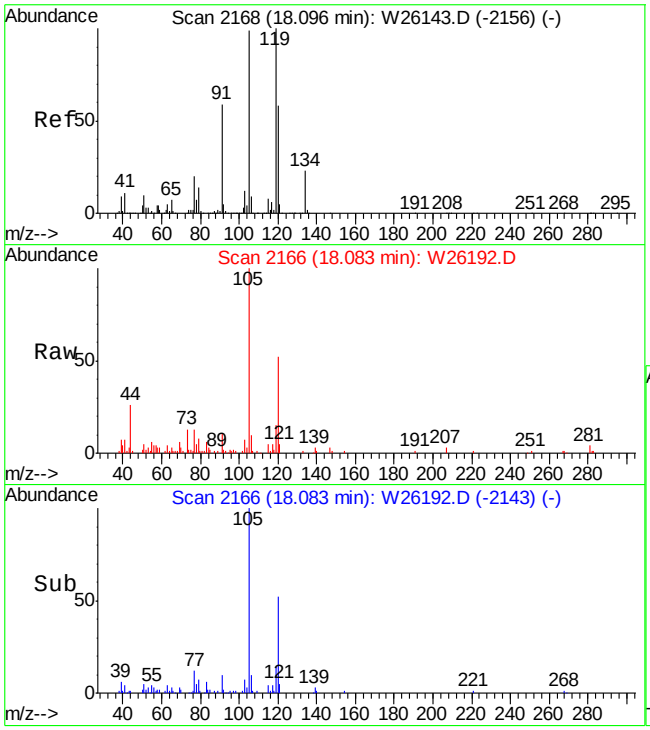


#84
1,3,5-TRIMETHYLBENZENE
Concen: 0.20 PPBV
RT: 17.63 min Scan# 2092
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion:105 Resp: 11507

Ion	Ratio	Lower	Upper
105	100		
120	57.8	32.8	72.8
91	11.2	0.0	29.3

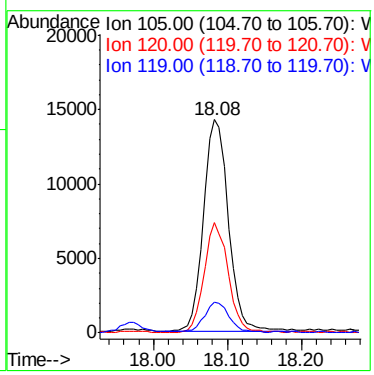




#86
1,2,4-TRIMETHYLBENZENE
Concen: 0.60 PPBV
RT: 18.08 min Scan# 2166
Delta R.T. -0.01 min
Lab File: W26192.D
Acq: 6 May 2010 6:47 pm

Tgt Ion:105 Resp: 32347

Ion	Ratio	Lower	Upper
105	100		
120	50.1	38.9	78.9
119	14.7	98.8	138.8#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26753.D Vial: 5
Acq On : 14 Apr 2010 5:52 am Operator: yunxiac
Sample : scc(A340) Inst : MS2W
Misc : MS95427,V2W1124,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 08:08:09 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 08 13:12:19 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

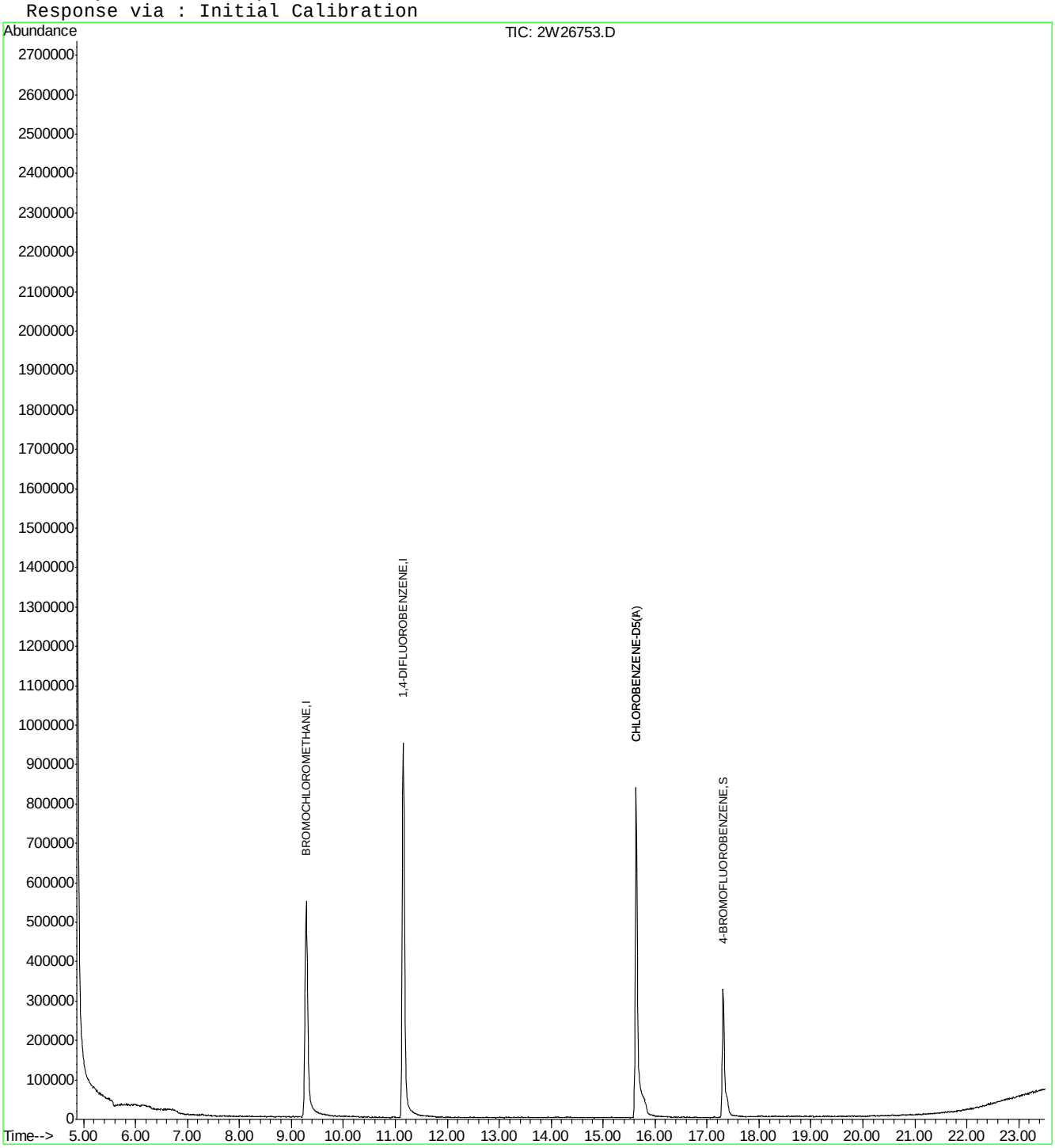
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	324054	10.00	PPBV	-0.02
46) 1,4-DIFLUOROBENZENE	11.15	114	1275000	10.00	PPBV	-0.02
63) CHLOROBENZENE-D5	15.64	82	494431	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	495501	10.00	PPBV	-0.01
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.31	95	185692	3.94	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 78.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26753.D M2W1118.M Wed Apr 14 12:06:35 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26753.D Vial: 5
Acq On : 14 Apr 2010 5:52 am Operator: yunxiac
Sample : scc(A340) Inst : MS2W
Misc : MS95427,V2W1124,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 10:29 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Thu Apr 08 13:12:19 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16260A.D Vial: 5
Acq On : 14 Apr 2010 1:09 pm Operator: YOUMINH
Sample : SCC(A262) Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:41:28 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

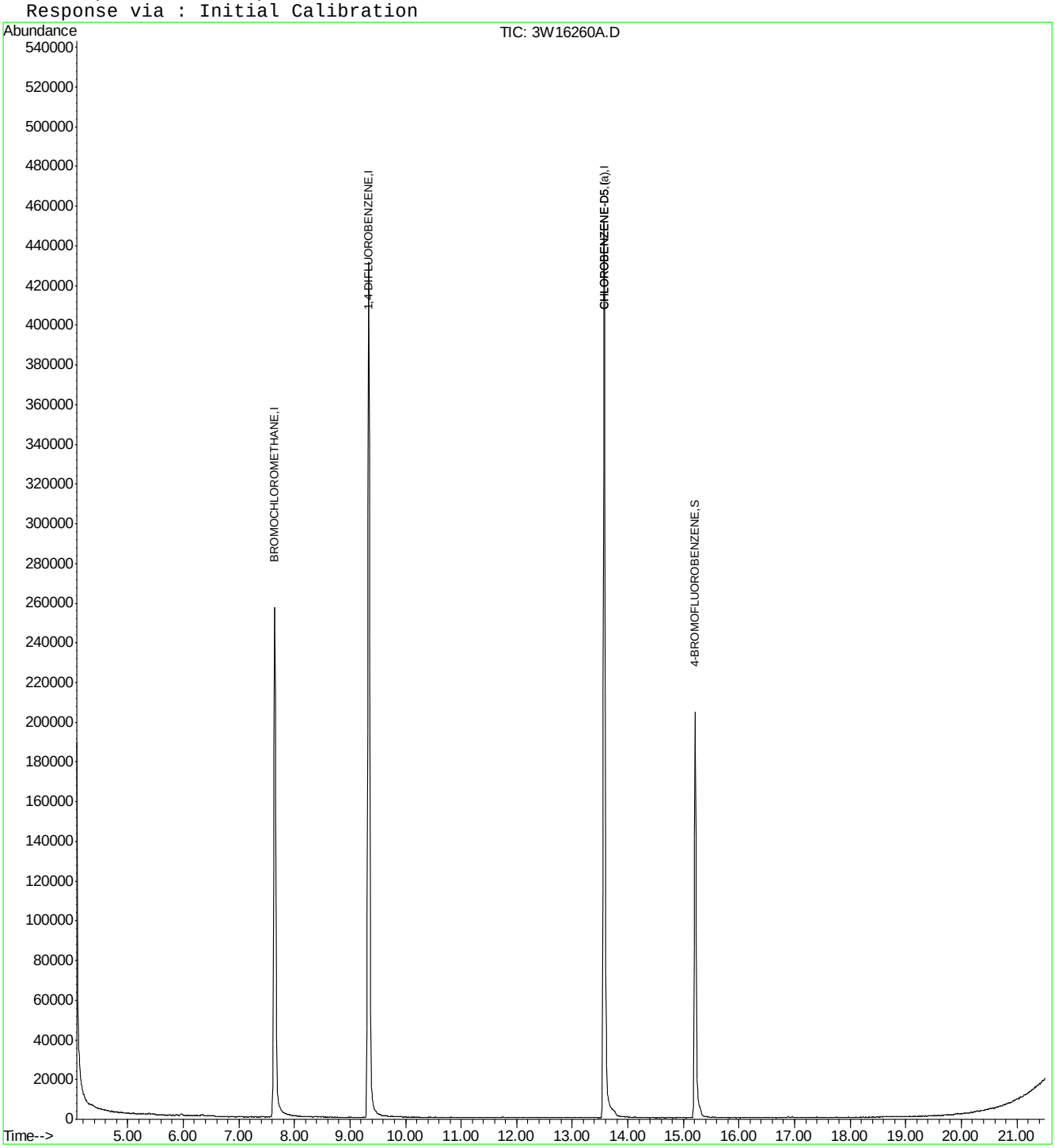
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	103124	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	476408	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	213093	10.00	PPBV	-0.01
95) CHLOROBENZENE-D5 (a)	13.58	82	213940	10.00	PPBV	-0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	101724	4.32	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16260A.D M3W644.M Thu Apr 15 10:18:39 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16260A.D Vial: 5
Acq On : 14 Apr 2010 1:09 pm Operator: YOUMINH
Sample : SCC(A262) Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:41 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_V3W\V3W651-V3W654\3W16335A.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : SCC(A372) Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 15:59:52 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

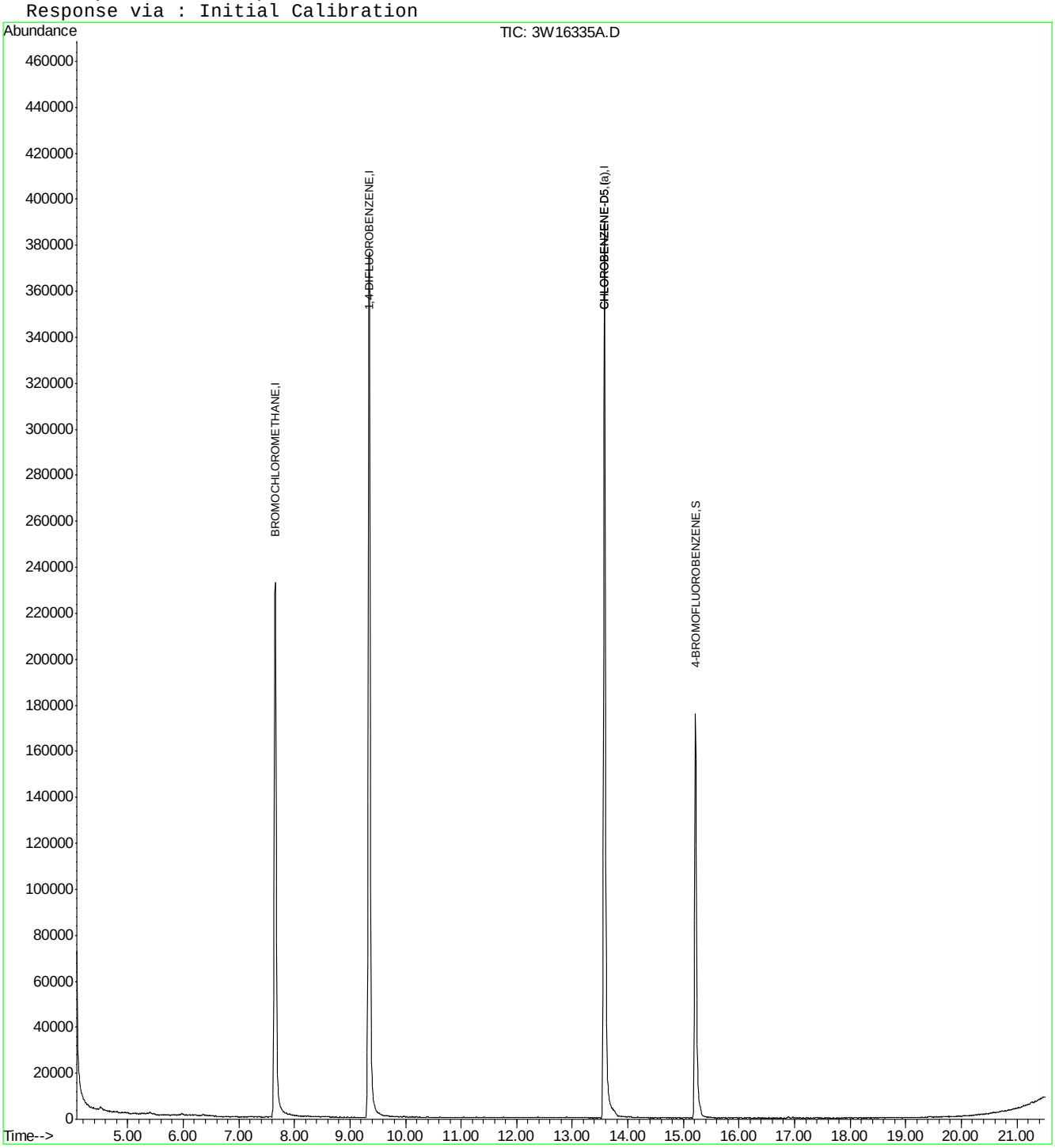
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	92580	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	423770	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	189579	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	189804	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	91248	4.36	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16335A.D M3W644.M Mon May 10 09:46:35 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_V3W\V3W651-V3W654\3W16335A.D Vial: 5
Acq On : 19 Apr 2010 10:39 am Operator: YOUMINH
Sample : SCC(A372) Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:19 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 26 08:51:28 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25965A.D Vial: 5
Acq On : 19 Apr 2010 12:13 pm Operator: YOUMINH
Sample : scc(A259) Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 12:39:38 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 19 10:35:32 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

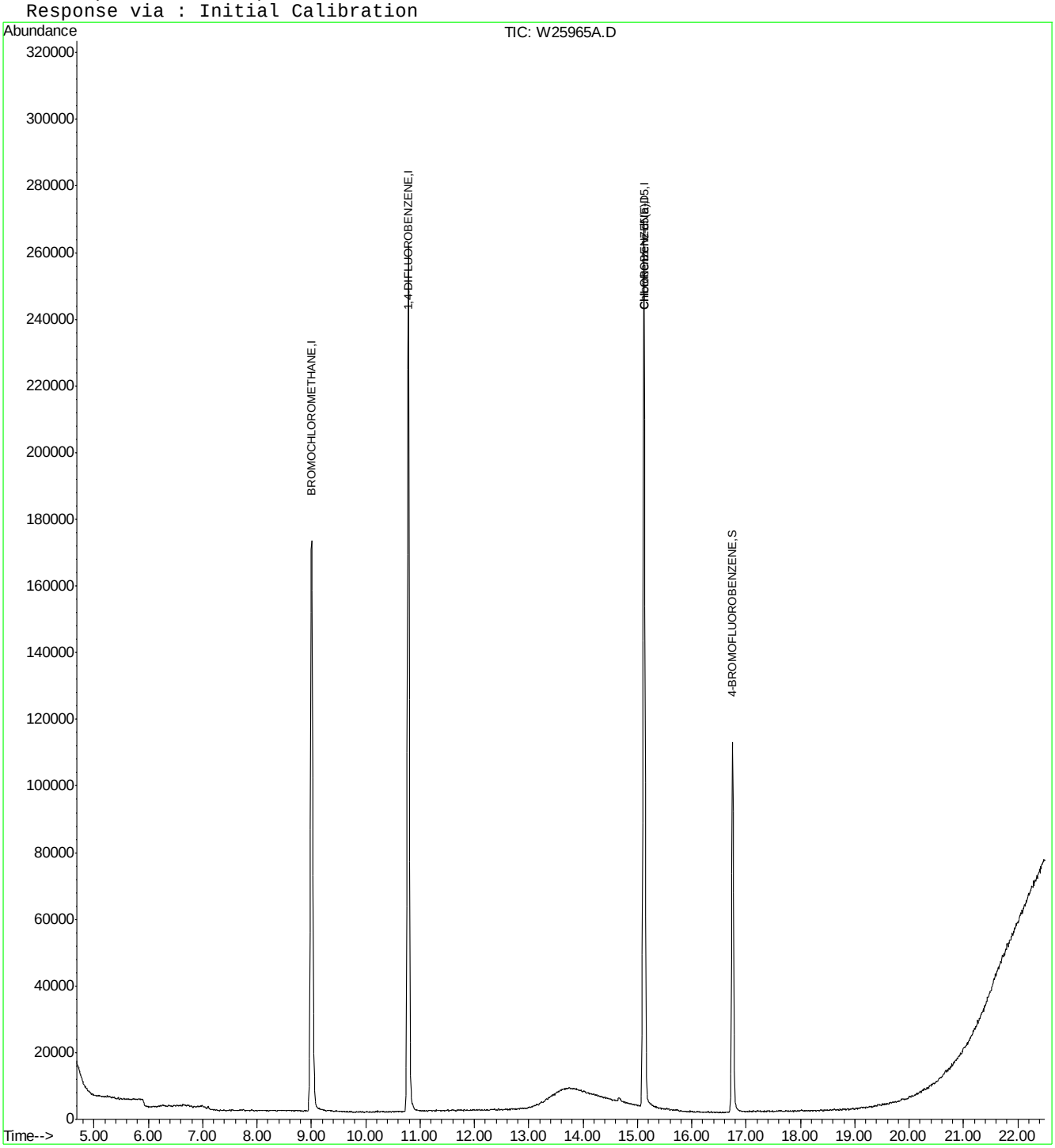
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.01	128	70501	10.00	PPBV	-0.06
46) 1,4-DIFLUOROBENZENE	10.79	114	292138	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	126540	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.12	82	126817	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.75	95	55776	4.19	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25965A.D MW1071.M Tue Apr 20 15:12:54 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25965A.D Vial: 5
Acq On : 19 Apr 2010 12:13 pm Operator: YOUMINH
Sample : scc(A259) Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:12 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1077\W25993A.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : scc(a148) Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:19:40 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	64029	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	300143	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	140369	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	140995	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	59142	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			
Target Compounds						Qvalue

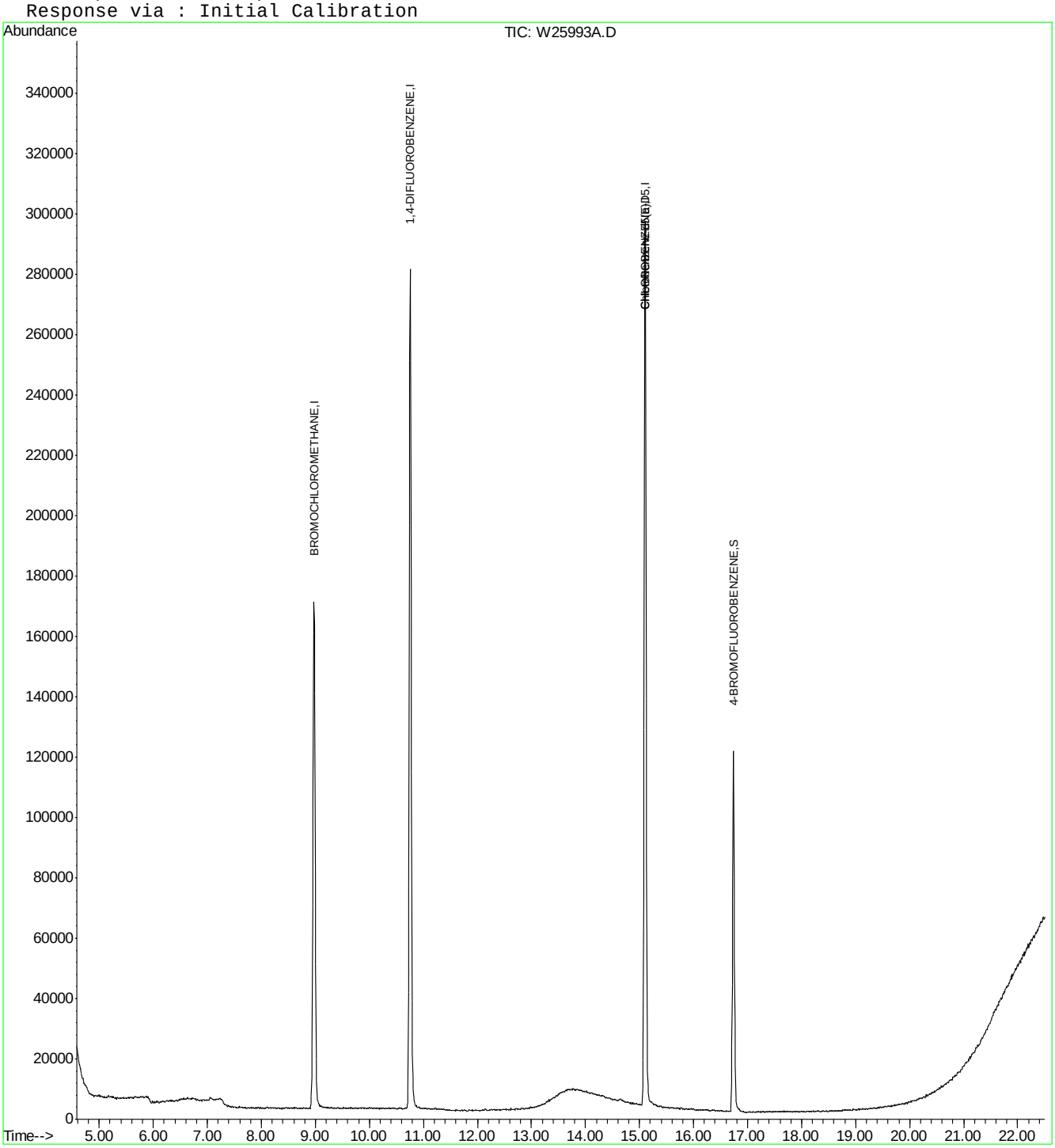
(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25993A.D MW1071.M Thu Apr 22 11:26:53 2010 MSW

ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1077\W25993A.D Vial: 5
Acq On : 20 Apr 2010 11:37 am Operator: YOUMINH
Sample : scc(a148) Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



W25993A.D MW1071.M Thu Apr 22 11:26:53 2010 MSW Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26020A.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : scc(A368) Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27:28 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	57016	10.00	PPBV	-0.09
46) 1,4-DIFLUOROBENZENE	10.75	114	239297	10.00	PPBV	-0.08
63) CHLOROBENZENE-D5	15.10	82	107534	10.00	PPBV	-0.04
96) Chlorobenzene-d5(a)	15.10	82	108070	10.00	PPBV	-0.04
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.73	95	45267	4.00	PPBV	-0.03
Spiked Amount 5.000	Range 65 - 128		Recovery = 80.00%			

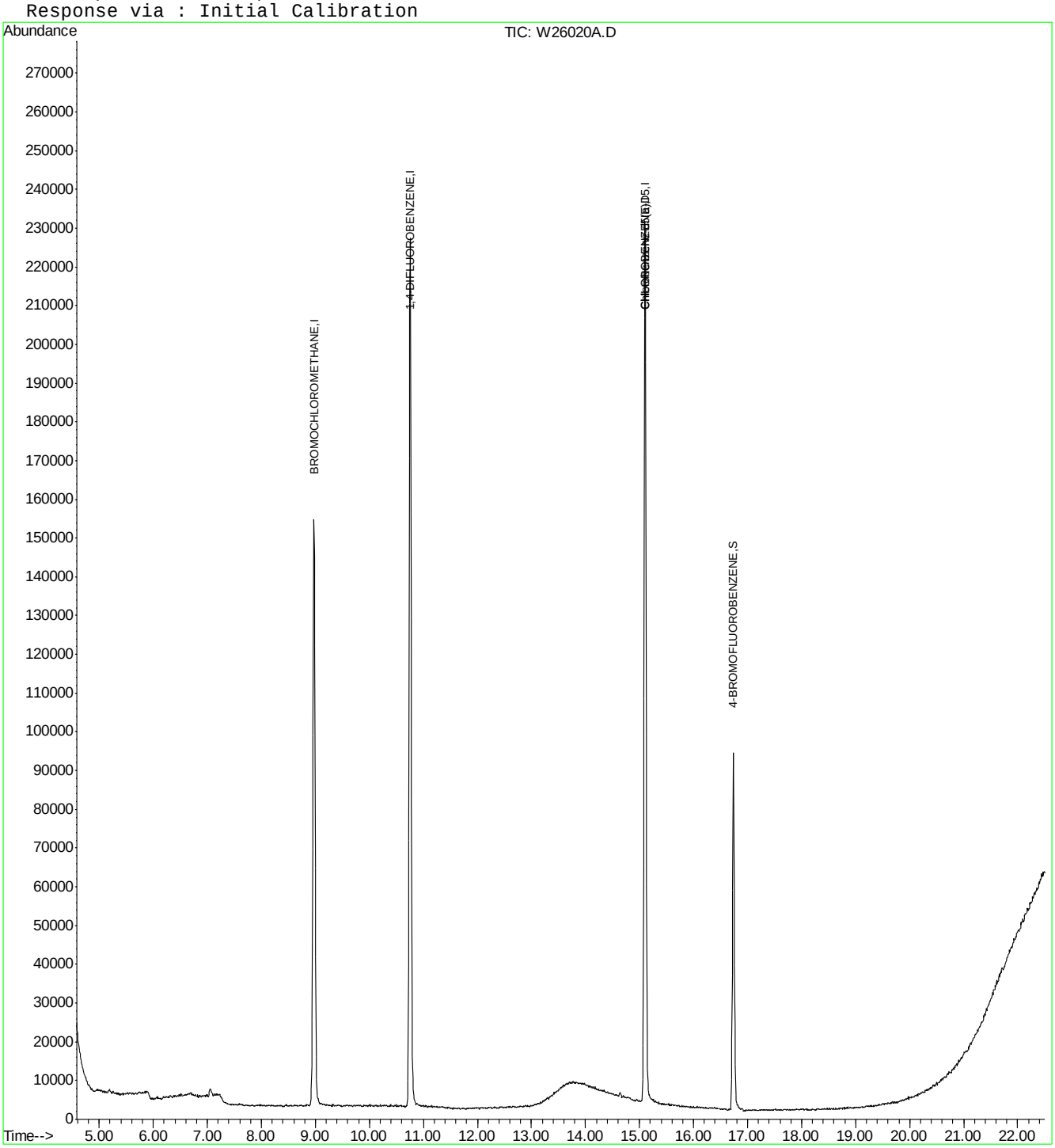
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26020A.D MW1071.M Thu Apr 22 11:27:46 2010 MSW

Quantitation Report (QT Reviewed)

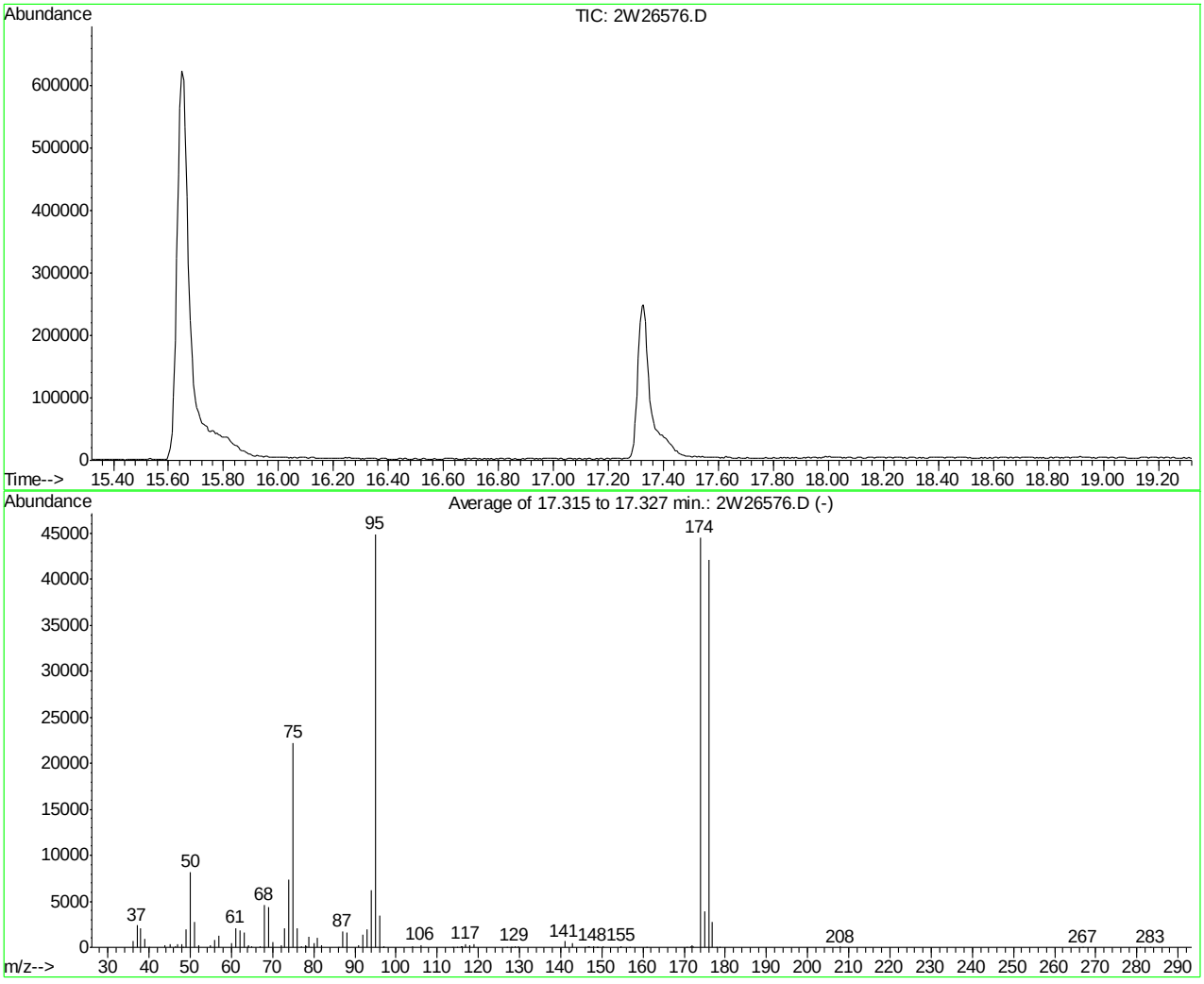
Data File : C:\MSDCHEM\1\DATA\W26020A.D Vial: 5
Acq On : 21 Apr 2010 10:29 am Operator: YOUMINH
Sample : scc(A368) Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:46 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration



BFB

```
Data File : C:\MSDCHEM\1\DATA\2W26576.D                Vial: 5
Acq On    :  5 Apr 2010   9:44 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS94636,V2W1118,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```



AutoFind: Scans 2047, 2048, 2049; Background Corrected with Scan 2037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	8226	PASS
75	95	30	66	49.6	22266	PASS
95	95	100	100	100.0	44928	PASS
96	95	5	9	7.7	3456	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	99.1	44544	PASS
175	174	4	9	8.8	3925	PASS
176	174	93	101	94.4	42069	PASS
177	176	5	9	6.6	2756	PASS

2W26576.D M2W1118.M Wed Apr 07 09:12:21 2010 MS2W

Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	678	49.00	1983	63.80	61	76.05	2050
37.10	2387	50.05	8226	64.10	191	76.90	168
38.05	2132	51.00	2769	65.05	109	77.95	182
39.00	918	52.05	245	67.10	69	78.10	66
39.95	44	54.95	201	68.00	4656	78.30	118
43.95	277	56.00	826	69.00	4404	78.90	1174
45.00	362	57.00	1278	70.00	522	80.00	465
46.40	81	60.05	449	72.00	263	80.90	1090
47.05	341	61.00	2077	73.00	2038	81.95	290
47.95	388	62.00	1808	74.00	7315	86.10	54
48.30	55	63.00	1637	75.00	22266	86.95	1734

Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

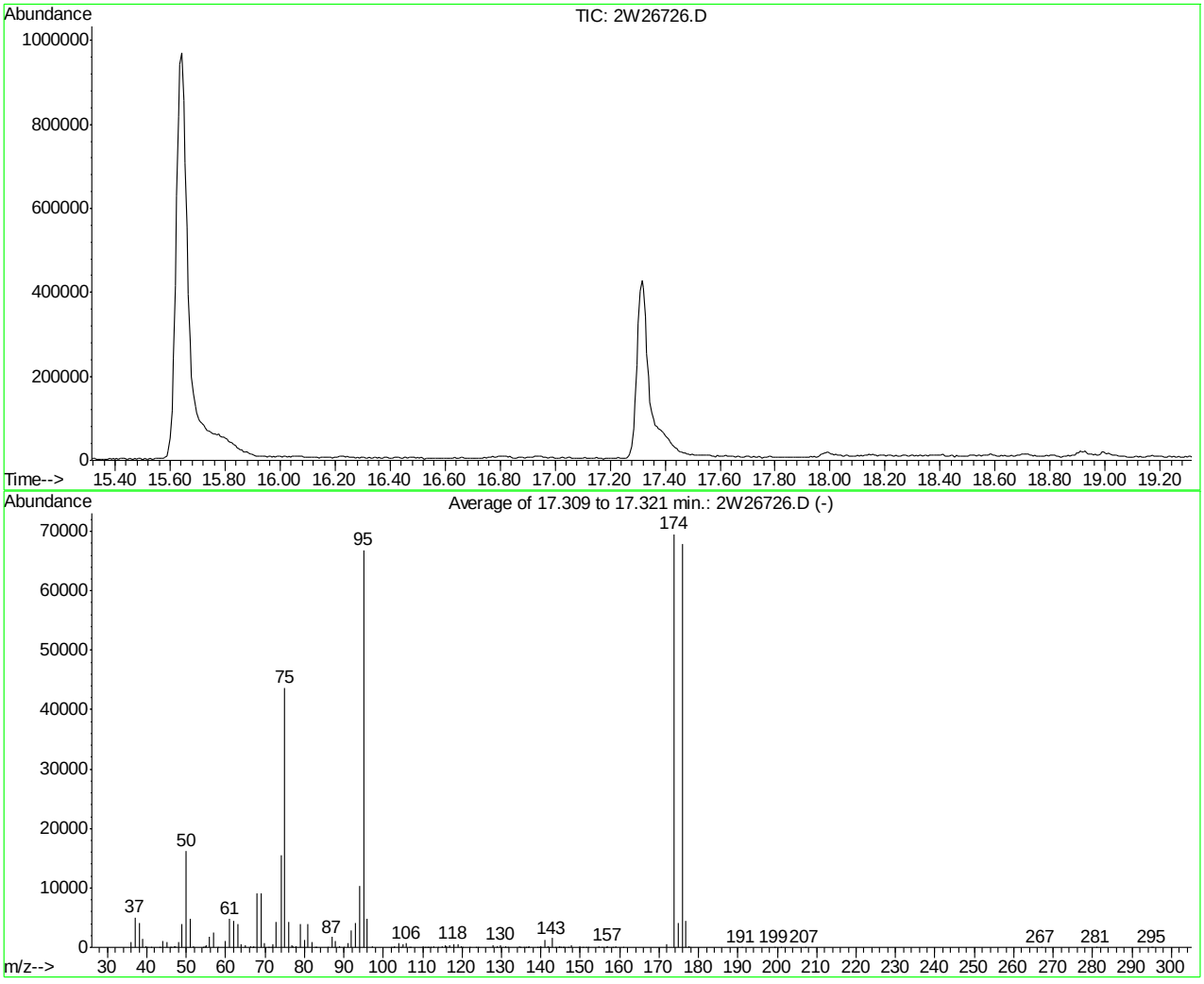
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	1580	113.90	45	129.85	166	154.75	134
90.90	223	114.90	51	140.95	676	156.80	44
92.00	1397	115.90	63	142.90	434	160.90	41
92.95	1933	116.10	123	146.00	44	170.70	54
94.05	6167	117.00	407	146.60	69	171.60	67
95.00	44928	117.85	256	147.00	66	171.85	191
96.05	3456	119.05	339	147.90	119	172.10	71
96.90	60	126.80	48	148.80	40	173.90	44544
97.10	141	127.90	61	149.00	47	175.05	3925
103.90	110	128.10	47	150.30	73	175.90	42069
105.95	250	128.90	177	154.40	52	176.90	2756

Average of 17.315 to 17.327 min.: 2W26576.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.80	43						
178.70	50						
208.00	62						
266.90	43						
280.70	40						
283.30	45						

BFB

```
Data File : C:\MSDCHEM\1\DATA\2W26726.D                Vial: 5
Acq On    : 13 Apr 2010   6:35 am                  Operator: yunxiac
Sample    : bfb                                    Inst    : MS2W
Misc      : MS95159,V2W1124,,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
```



AutoFind: Scans 2046, 2047, 2048; Background Corrected with Scan 2034

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.3	16240	PASS
75	95	30	66	65.4	43712	PASS
95	95	100	100	100.0	66805	PASS
96	95	5	9	7.3	4862	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	104.1	69554	PASS
175	174	4	9	6.0	4152	PASS
176	174	93	101	97.6	67885	PASS
177	176	5	9	6.5	4441	PASS

2W26726.D M2W1118.M Tue Apr 13 15:25:45 2010 MS2W

ACCUTEST Laboratories JA45152

Average of 17.309 to 17.321 min.: 2W26726.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	879	46.20	54	55.95	1753	67.10	134
37.00	5014	46.90	241	57.05	2549	68.00	9017
38.05	4041	47.20	98	57.90	54	69.00	9031
39.05	1416	48.05	823	60.00	1128	69.95	725
39.80	108	49.00	3856	61.00	4784	70.90	81
40.00	46	50.00	16240	62.00	4541	71.60	95
41.00	68	51.00	4811	63.05	3904	72.00	511
43.30	81	51.95	223	64.05	484	72.90	4256
44.05	1043	54.30	41	65.00	390	74.00	15552
45.10	833	54.80	170	66.25	174	75.00	43712
45.80	41	54.95	387	66.80	86	76.00	4332

Average of 17.309 to 17.321 min.: 2W26726.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.90	330	86.95	1725	102.10	63	111.20	61
77.20	212	87.95	1103	102.60	40	111.50	47
77.70	95	89.00	122	103.00	133	112.00	55
77.90	107	89.90	52	103.95	646	112.85	172
78.90	3876	91.00	753	104.60	54	113.90	40
79.95	1216	91.95	2903	105.00	467	114.85	107
80.90	3942	92.95	4187	105.85	670	115.80	367
81.95	842	94.00	10309	106.50	58	116.00	137
82.70	49	95.00	66805	106.90	54	116.90	367
83.00	84	96.00	4862	110.00	98	117.90	539
86.00	45	97.10	197	110.70	41	118.95	521

Average of 17.309 to 17.321 min.: 2W26726.D
bfb
Modified:subtracted

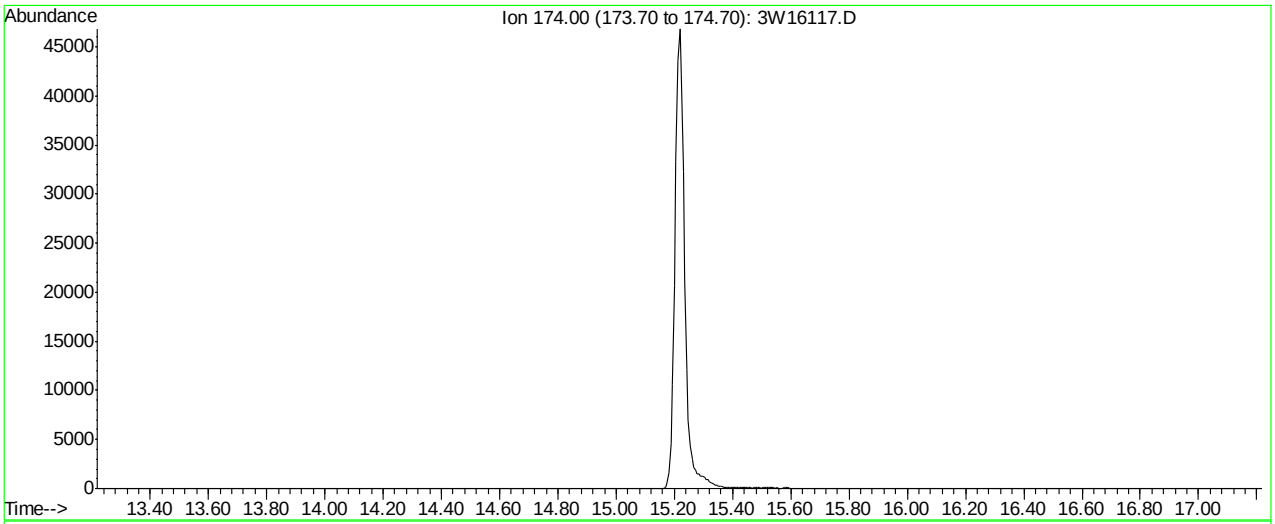
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
119.80	140	134.90	63	142.20	52	150.75	91
120.10	52	135.60	54	142.85	1567	151.60	57
122.00	51	136.20	64	143.80	65	151.90	50
123.60	46	136.70	84	144.60	48	154.80	165
124.00	67	136.85	114	144.90	199	155.50	66
127.85	353	139.00	43	145.10	51	156.50	85
128.90	186	139.60	42	145.70	72	156.90	217
129.85	450	139.90	49	145.90	63	158.10	43
130.95	230	140.05	136	146.95	11	159.00	189
131.70	43	140.90	1300	147.80	376	160.90	68
134.65	124	141.95	165	149.95	126	171.95	521

Average of 17.309 to 17.321 min.: 2W26726.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	69554	280.90	14				
174.95	4152	295.00	60				
175.90	67885	295.20	45				
176.85	4441						
177.60	156						
177.90	41						
190.90	74						
199.20	56						
200.90	41						
207.10	57						
266.90	62						

BFB

Data File : C:\MSDCHEM\1\DATA\3W16117.D Vial: 5
Acq On : 6 Apr 2010 3:52 pm Operator: YOUMINH
Sample : BFB Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 1830, 1831, 1832; Background Corrected with Scan 1819

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.7	7353	PASS
75	95	30	66	45.6	22794	PASS
95	95	100	100	100.0	49949	PASS
96	95	5	9	7.1	3550	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.5	44213	PASS
175	174	4	9	7.3	3248	PASS
176	174	93	101	97.0	42880	PASS
177	176	5	9	6.7	2863	PASS

3W16117.D M3W644.M Wed Apr 07 11:35:49 2010 MS3W

Average of 15.212 to 15.224 min.: 3W16117.D
BFB
Modified:subtracted

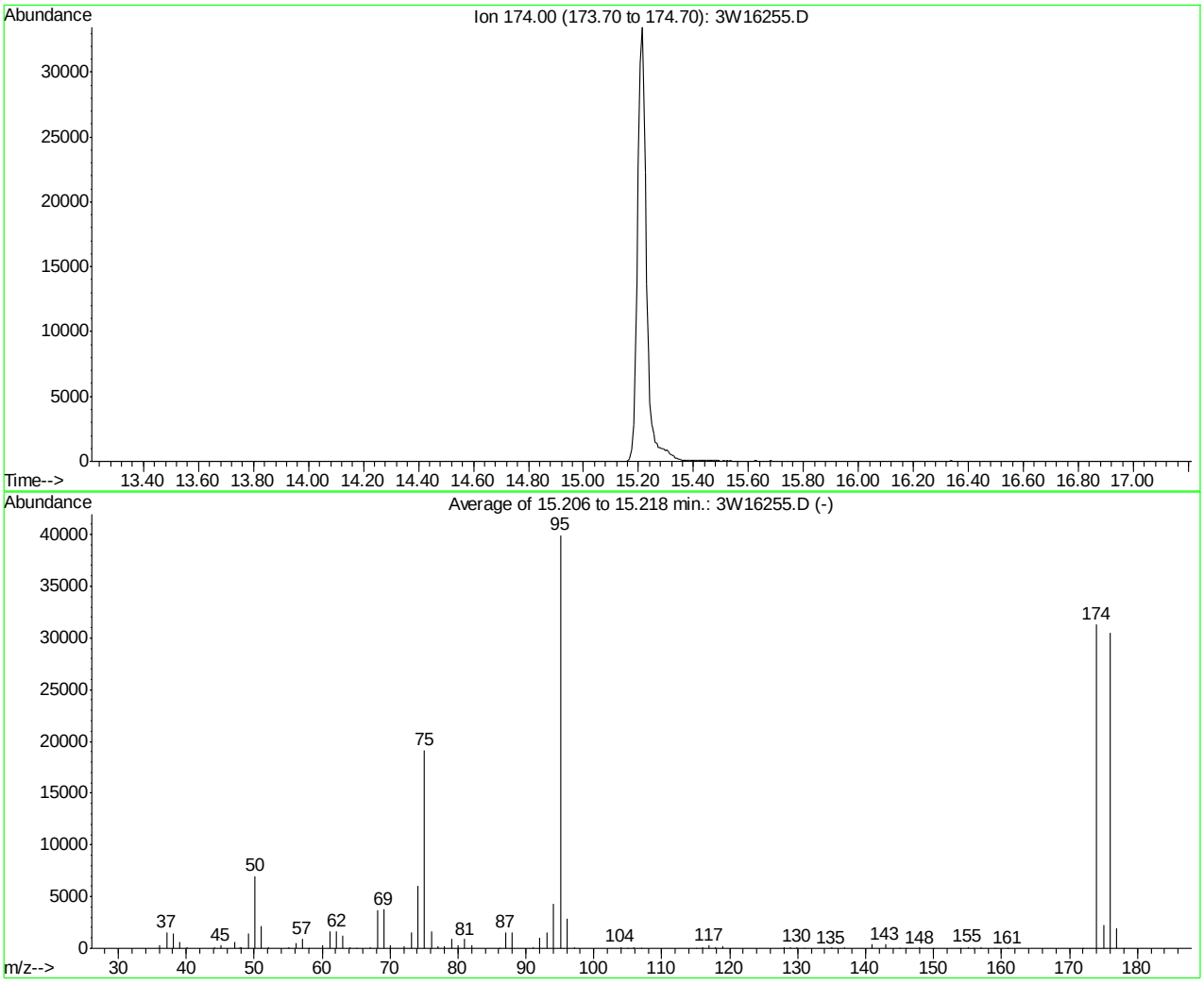
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	314	50.10	7353	64.05	126	78.05	195
37.10	1532	51.10	2326	67.05	126	78.95	1063
38.10	1446	52.05	108	68.10	4441	79.95	401
39.10	596	55.05	83	69.10	4321	81.00	1104
42.20	17	56.05	542	70.10	362	82.00	330
43.10	37	57.10	1040	72.10	213	86.05	36
44.00	144	58.00	34	73.10	1877	87.00	1971
45.10	312	60.05	356	74.10	7141	88.00	1848
47.10	601	61.10	1833	75.10	22794	91.00	172
48.05	236	62.10	1862	76.10	1923	92.05	1214
49.10	1496	63.10	1357	77.05	289	93.05	1924

Average of 15.212 to 15.224 min.: 3W16117.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	5290	117.95	174	144.80	17	175.00	3248
95.10	49949	118.95	242	146.00	69	176.00	42880
96.10	3550	127.90	164	147.00	16	177.00	2863
97.10	148	128.95	78	147.95	120	177.95	86
103.95	190	129.90	174	149.85	56		
104.95	87	131.05	73	154.95	148		
105.95	184	134.95	81	156.95	96		
106.90	40	136.95	78	158.95	46		
115.10	17	141.00	501	160.85	40		
115.95	151	141.95	37	172.05	38		
116.95	250	142.95	473	174.00	44213		

BFB

```
Data File : C:\MSDCHEM\1\DATA\3W16255.D                Vial: 5
Acq On    : 14 Apr 2010   6:23 am                  Operator: YOUMINH
Sample    : BFB                                    Inst    : MS3W
Misc      : MS49009,V3W649,,,,,1                   Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
```



AutoFind: Scans 1829, 1830, 1831; Background Corrected with Scan 1819

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.5	6988	PASS
75	95	30	66	47.9	19157	PASS
95	95	100	100	100.0	39954	PASS
96	95	5	9	7.1	2844	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.4	31330	PASS
175	174	4	9	7.3	2302	PASS
176	174	93	101	97.4	30528	PASS
177	176	5	9	6.4	1956	PASS

3W16255.D M3W644.M Thu Apr 15 10:17:27 2010 MS3W

ACCUTEST Laboratories JA45152

Average of 15.206 to 15.218 min.: 3W16255.D
BFB
Modified:subtracted

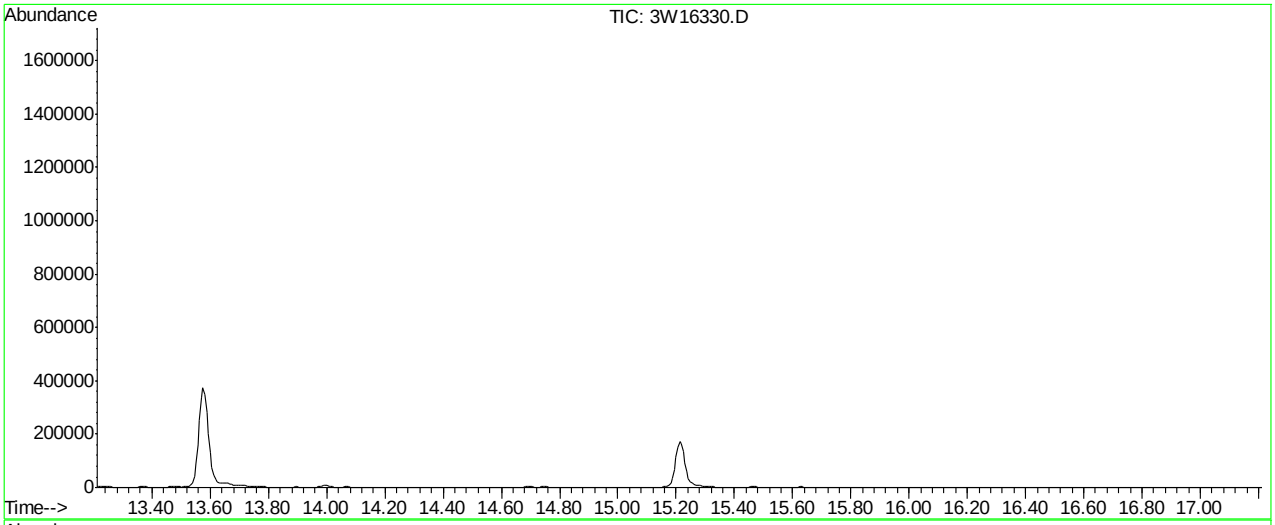
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	286	50.10	6988	64.05	120	77.05	231
37.10	1539	51.10	2182	65.10	22	78.05	184
38.10	1458	52.05	118	67.05	101	79.00	902
39.10	575	55.05	82	68.10	3662	80.00	359
40.05	78	56.10	531	69.10	3779	81.00	909
44.10	144	57.10	956	70.05	320	82.00	270
45.05	307	58.10	34	72.05	199	86.10	17
47.10	591	60.05	323	73.10	1580	87.00	1587
47.90	59	61.10	1603	74.10	6080	88.00	1512
48.10	116	62.10	1679	75.10	19157	91.00	128
49.10	1435	63.10	1200	76.10	1630	92.05	1017

Average of 15.206 to 15.218 min.: 3W16255.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	1564	117.00	267	145.05	38	174.00	31330
94.10	4298	117.95	144	145.95	41	175.00	2302
95.10	39954	119.00	198	148.00	100	176.00	30528
96.10	2844	127.95	122	149.95	44	177.00	1956
97.10	89	129.00	69	153.90	16	178.00	46
103.95	145	129.95	154	155.05	110		
104.90	47	131.00	40	155.90	20		
105.95	140	134.95	67	157.00	77		
106.90	19	136.95	58	159.00	50		
115.00	17	141.00	396	160.90	20		
115.95	132	142.95	408	172.00	43		

BFB

```
Data File : C:\MSDCHEM\1\DATA\3W16330.D                Vial: 5
Acq On    : 19 Apr 2010   6:00 am                  Operator: YOUMINH
Sample    : BFB                                    Inst    : MS3W
Misc      : MS49009,V3W652,,,,,1                   Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
```



AutoFind: Scans 1829, 1830, 1831; Background Corrected with Scan 1815

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.3	5547	PASS
75	95	30	66	46.8	15978	PASS
95	95	100	100	100.0	34133	PASS
96	95	5	9	7.7	2622	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.3	30493	PASS
175	174	4	9	7.2	2190	PASS
176	174	93	101	97.3	29672	PASS
177	176	5	9	6.6	1946	PASS

3W16330.D M3W644.M Tue Apr 20 10:07:05 2010 MS3W

Average of 15.206 to 15.218 min.: 3W16330.D
BFB
Modified:subtracted

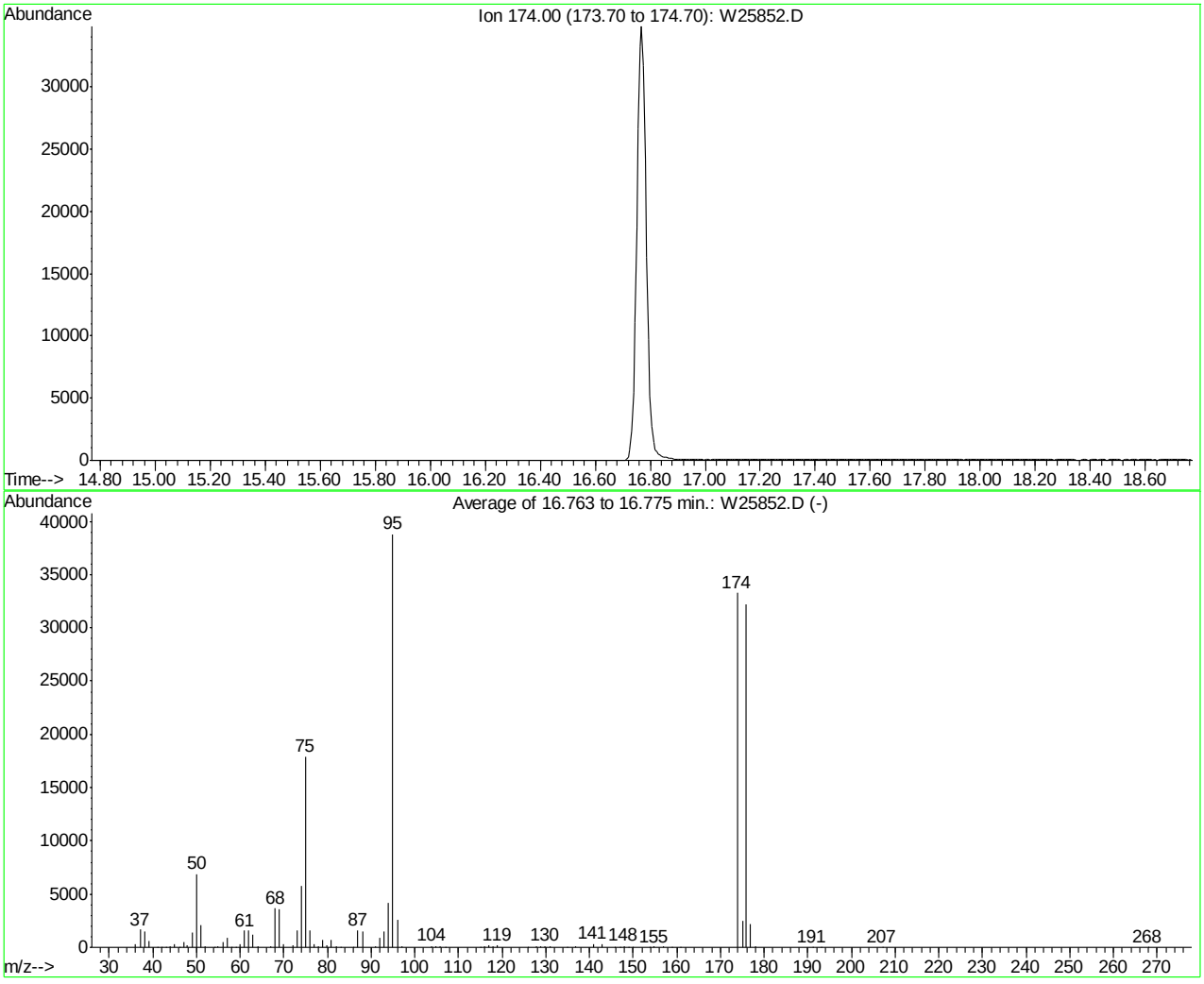
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	224	50.10	5547	67.05	102	78.95	809
37.10	1119	51.10	1740	68.10	3134	80.00	277
38.10	1080	52.05	74	69.10	3193	81.00	761
39.10	498	55.10	91	70.10	324	82.00	198
41.05	37	56.05	442	72.05	158	87.00	1289
43.15	36	57.10	810	73.05	1287	88.00	1259
44.05	120	60.05	289	74.10	5069	90.95	126
45.10	253	61.10	1283	75.10	15978	92.05	869
47.10	421	62.10	1224	76.10	1401	93.05	1242
48.05	191	63.10	1019	77.05	234	94.10	3767
49.10	1093	64.00	77	78.00	148	95.10	34133

Average of 15.206 to 15.218 min.: 3W16330.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	2622	128.00	142	148.00	79		
97.10	219	128.95	45	154.95	96		
103.95	128	130.00	150	156.95	66		
105.10	18	130.95	66	159.00	18		
105.95	122	134.90	18	174.00	30493		
113.00	19	136.95	62	175.00	2190		
115.05	39	141.00	410	176.00	29672		
116.00	114	142.00	47	177.00	1946		
117.00	169	142.95	384	178.00	30		
118.00	117	145.00	16				
119.00	182	145.95	37				

BFB

```
Data File : C:\MSDCHEM\1\DATA\W25852.D                    Vial: 5
Acq On    : 12 Apr 2010   8:23 pm                     Operator: YOUMINH
Sample    : BFB                                       Inst    : MSW
Misc      : MS49009,VW1071,,,,,1                      Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```



AutoFind: Scans 1974, 1975, 1976; Background Corrected with Scan 1962

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	6885	PASS
75	95	30	66	46.2	17919	PASS
95	95	100	100	100.0	38810	PASS
96	95	5	9	6.8	2629	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.7	33261	PASS
175	174	4	9	7.4	2455	PASS
176	174	93	101	96.9	32242	PASS
177	176	5	9	6.7	2176	PASS

W25852.D MW1071.M Wed Apr 14 11:33:40 2010 MSW

Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	298	47.95	203	60.00	321	74.00	5796
37.10	1661	49.05	1409	61.00	1562	75.00	17919
38.10	1462	50.10	6885	62.00	1555	76.00	1623
39.10	590	51.10	2138	63.00	1148	77.00	253
41.00	25	52.05	114	64.00	125	78.00	149
42.05	12	54.05	44	67.05	125	78.90	697
43.05	37	55.00	105	68.00	3633	79.90	221
44.00	112	56.00	476	69.00	3580	80.90	714
45.00	292	57.00	913	70.00	290	81.95	142
46.05	51	58.05	43	72.00	195	83.00	45
47.05	506	59.05	8	73.00	1576	86.00	15

Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

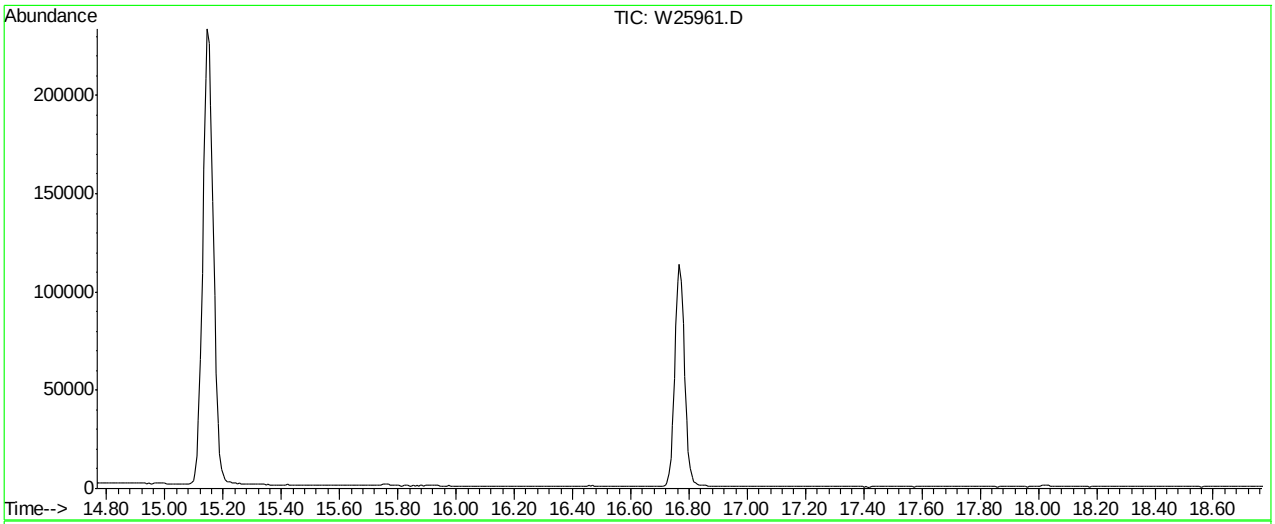
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	1605	105.90	116	130.90	56	154.85	92
88.00	1494	106.90	15	134.85	51	156.95	67
90.95	135	114.90	14	136.85	54	158.90	33
92.00	930	115.90	101	140.90	302	160.90	30
93.00	1496	116.90	177	142.90	281	173.90	33261
94.00	4188	117.90	114	145.85	33	175.00	2455
95.00	38810	118.90	197	147.00	34	175.90	32242
96.00	2629	126.00	14	147.95	109	176.90	2176
97.00	113	127.90	133	148.95	50	177.95	61
103.90	132	128.90	59	149.90	28	191.00	8
104.90	64	129.90	141	153.90	27	192.95	4

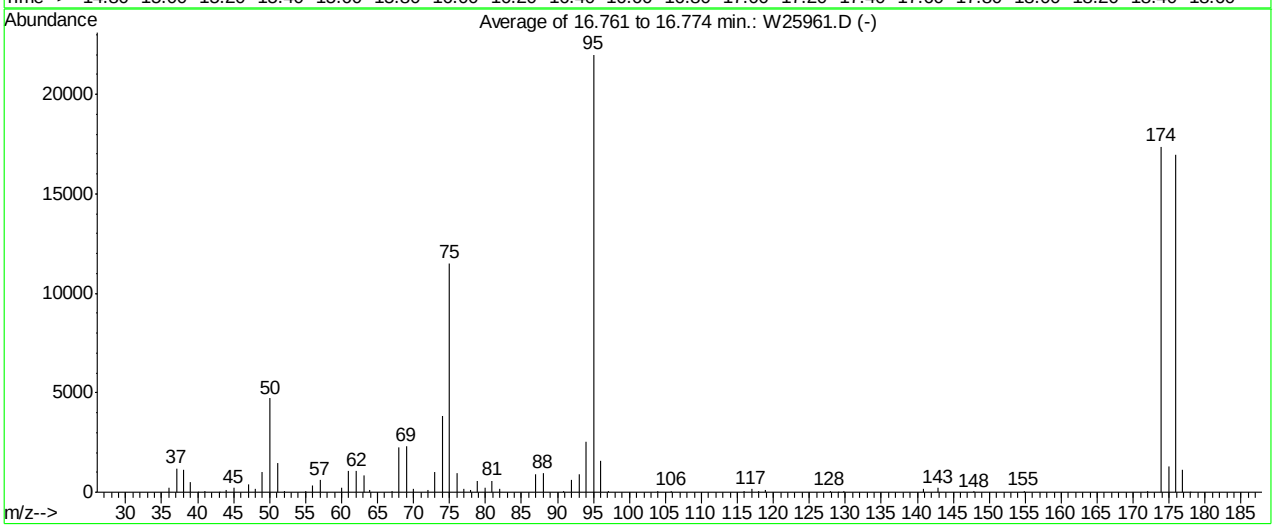
Average of 16.763 to 16.775 min.: W25852.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.00	3						
267.95	3						

BFB

```
Data File : C:\MSDCHEM\1\DATA\VW1076\W25961.D            Vial: 5
Acq On    : 19 Apr 2010   6:32 am                    Operator: YOUMINH
Sample    : BFB                                      Inst    : MSW
Misc      : MS49009,VW1076,,,,,1                     Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```





AutoFind: Scans 1982, 1983, 1984; Background Corrected with Scan 1971

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.4	4715	PASS
75	95	30	66	52.4	11523	PASS
95	95	100	100	100.0	22000	PASS
96	95	5	9	7.1	1560	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	79.0	17376	PASS
175	174	4	9	7.5	1311	PASS
176	174	93	101	97.7	16975	PASS
177	176	5	9	6.7	1141	PASS

W25961.D MW1071.M Tue Apr 20 15:02:09 2010 MSW

Average of 16.761 to 16.774 min.: W25961.D
BFB
Modified:subtracted

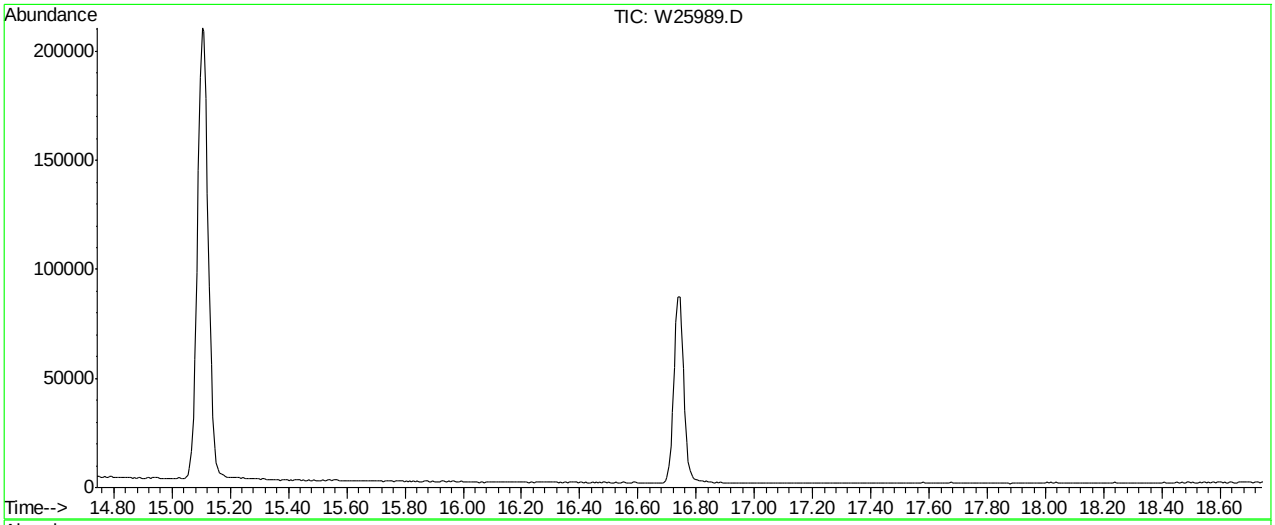
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	204	49.00	1011	63.95	91	77.95	88
37.10	1210	50.05	4715	67.00	47	78.90	544
38.10	1102	51.05	1468	68.00	2273	79.95	208
39.05	485	52.00	71	69.00	2321	80.90	568
40.00	26	55.00	69	70.00	188	81.95	180
41.05	47	56.00	363	71.95	123	87.00	917
43.00	17	57.00	612	73.00	1024	88.00	967
44.00	126	60.00	217	74.00	3806	90.90	68
45.05	219	61.00	1054	75.00	11523	92.00	598
47.05	382	62.05	1063	76.05	942	93.00	900
48.00	144	63.05	828	76.95	169	94.00	2551

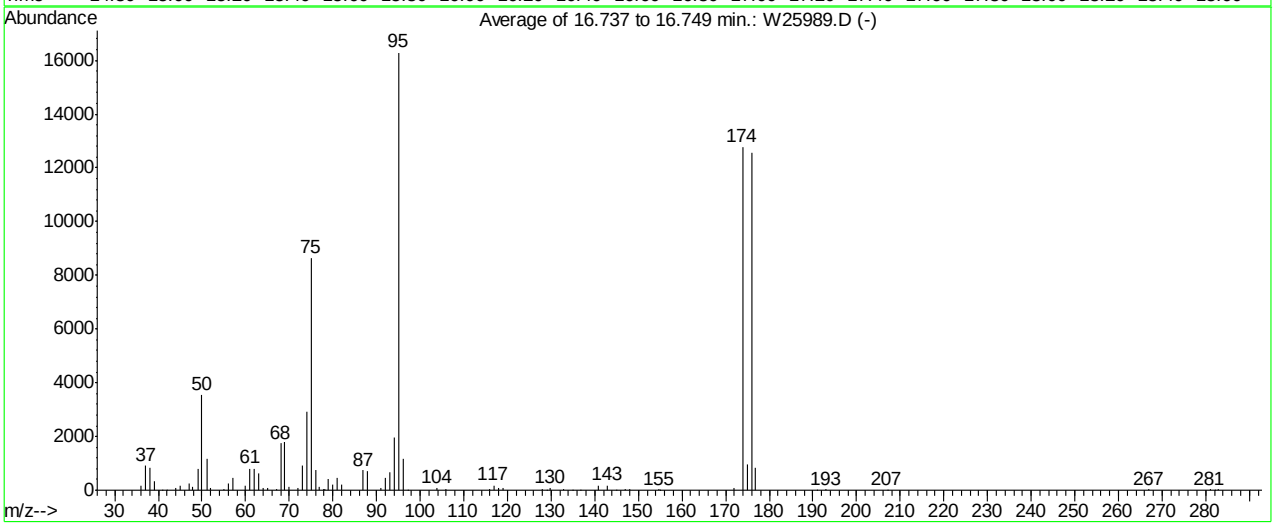
Average of 16.761 to 16.774 min.: W25961.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	22000	129.80	73				
96.00	1560	140.85	194				
97.05	60	142.90	215				
103.90	73	147.90	43				
105.85	78	154.85	59				
115.85	77	171.95	31				
116.95	166	173.90	17376				
117.95	69	175.00	1311				
118.90	113	175.90	16975				
127.85	83	176.90	1141				
129.00	13	177.90	14				

BFB

```
Data File : C:\MSDCHEM\1\DATA\W25989.D                    Vial: 5
Acq On    : 20 Apr 2010   6:42 am                    Operator: YOUMINH
Sample    : BFB                                      Inst    : MSW
Misc      : MS49009,VW1077,400,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```





AutoFind: Scans 1978, 1979, 1980; Background Corrected with Scan 1967

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.7	3529	PASS
75	95	30	66	53.1	8649	PASS
95	95	100	100	100.0	16295	PASS
96	95	5	9	7.3	1189	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.5	12792	PASS
175	174	4	9	7.4	942	PASS
176	174	93	101	98.2	12557	PASS
177	176	5	9	6.5	820	PASS

W25989.D MW1071.M Wed Apr 21 14:27:25 2010 MSW

ACCUTEST Laboratories JA45152

Average of 16.737 to 16.749 min.: W25989.D
BFB
Modified:subtracted

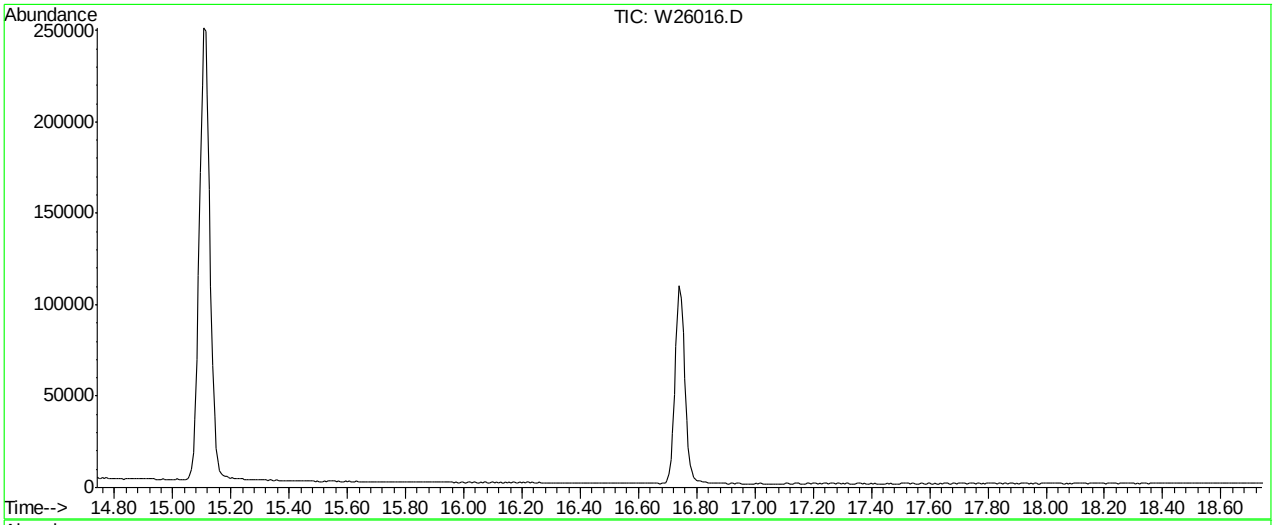
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	180	50.00	3529	65.00	87	77.90	55
37.05	914	51.05	1150	67.05	28	78.10	30
38.05	844	52.00	69	68.00	1752	78.90	433
39.05	353	55.05	47	69.00	1793	79.90	195
41.00	8	56.00	256	70.00	147	80.90	457
42.00	13	57.00	472	72.00	86	81.95	190
44.00	79	60.00	162	73.00	915	87.00	747
45.05	189	61.00	805	74.00	2940	87.95	692
47.05	272	62.00	795	75.00	8649	90.95	65
47.95	114	63.00	646	76.05	750	92.00	451
49.00	777	64.05	83	76.95	118	93.00	660

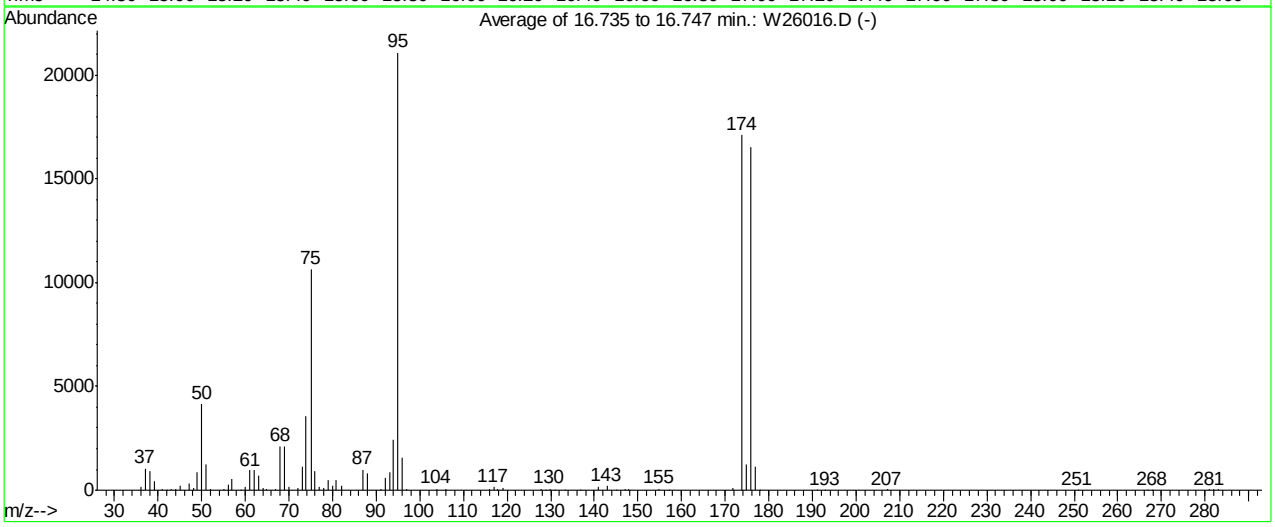
Average of 16.737 to 16.749 min.: W25989.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	1965	128.90	14	155.00	14	282.00	6
95.00	16295	129.85	68	171.90	78	282.95	27
96.00	1189	132.95	28	173.90	12792		
97.10	15	134.90	14	174.95	942		
103.90	73	136.80	13	175.90	12557		
105.90	57	140.85	174	176.90	820		
115.80	57	142.90	186	191.00	16		
116.90	181	144.90	14	193.00	32		
117.90	65	147.00	31	207.00	12		
118.90	100	147.90	50	267.00	39		
127.85	51	154.75	28	281.00	29		

BFB

```
Data File : C:\MSDCHEM\1\DATA\W26016.D                    Vial: 5
Acq On    : 21 Apr 2010   6:15 am                    Operator: YOUMINH
Sample    : BFB                                      Inst    : MSW
Misc      : MS95849,VW1078,400,,,,1                  Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```





AutoFind: Scans 1994, 1995, 1996; Background Corrected with Scan 1984

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.7	4152	PASS
75	95	30	66	50.5	10651	PASS
95	95	100	100	100.0	21093	PASS
96	95	5	9	7.5	1579	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.1	17115	PASS
175	174	4	9	7.3	1253	PASS
176	174	93	101	96.7	16545	PASS
177	176	5	9	6.8	1128	PASS

W26016.D MW1071.M Wed Apr 21 16:39:43 2010 MSW

ACCUTEST Laboratories
JA45152

Average of 16.735 to 16.747 min.: W26016.D
BFB
Modified:subtracted

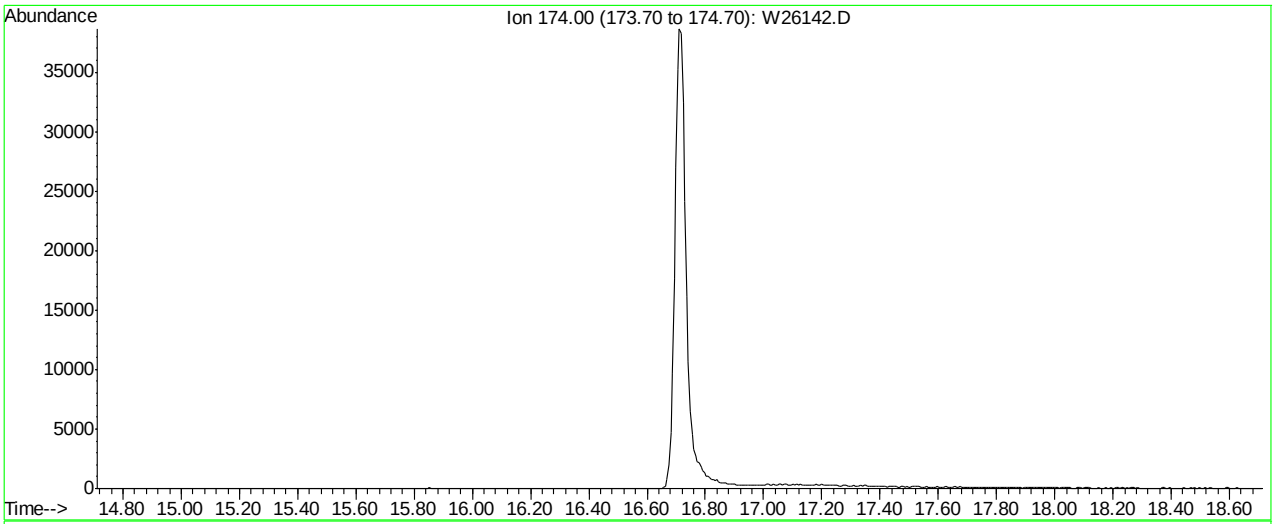
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	170	49.00	843	63.00	729	76.00	946
37.05	1041	50.05	4152	63.95	88	77.00	158
38.05	938	51.05	1254	64.95	73	77.90	99
39.05	421	52.05	70	66.95	55	78.90	490
41.00	46	55.00	67	68.00	2130	79.95	206
42.10	17	56.00	287	69.00	2100	80.90	514
43.10	43	57.00	553	70.00	169	81.95	199
44.00	52	58.90	14	72.00	101	86.95	981
45.00	223	60.00	177	73.00	1130	87.90	828
47.00	309	61.00	957	73.95	3561	90.95	56
48.05	117	62.05	978	75.00	10651	92.00	589

Average of 16.735 to 16.747 min.: W26016.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	858	127.90	53	154.90	55	250.80	15
94.00	2428	128.90	13	157.00	14	266.90	16
95.00	21093	129.85	80	171.85	84	267.95	27
96.00	1579	130.80	13	173.90	17115	281.00	43
97.00	53	133.10	16	174.95	1253	281.95	40
103.90	76	136.90	13	175.90	16545	283.05	36
105.85	72	140.85	161	176.90	1128		
115.95	58	142.90	196	177.80	16		
116.90	142	144.90	18	191.00	16		
117.85	73	147.00	35	192.90	23		
118.95	117	147.85	51	207.10	31		

BFB

```
Data File : C:\MSDCHEM\1\DATA\W26142.D                    Vial: 5
Acq On    :  4 May 2010   5:57 pm                     Operator: YOUMINH
Sample    : BFB                                       Inst    : MSW
Misc      : MS49009,VW1082,,,,,1                      Multiplr: 1.00
MS Integration Params: rteint.p
Method    : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title     : TO15 by GCMS w/Rtx-1, 60m  X 0.32mm ID X 1.0 um
```



AutoFind: Scans 1940, 1941, 1942; Background Corrected with Scan 1929

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	5820	PASS
75	95	30	66	42.4	17013	PASS
95	95	100	100	100.0	40122	PASS
96	95	5	9	7.0	2828	PASS
173	174	0.00	2	0.4	136	PASS
174	95	50	120	93.1	37370	PASS
175	174	4	9	7.5	2796	PASS
176	174	93	101	98.4	36778	PASS
177	176	5	9	6.6	2415	PASS

W26142.D MW1082.M Thu May 06 09:48:40 2010 MSW

Average of 16.705 to 16.718 min.: W26142.D
BFB
Modified:subtracted

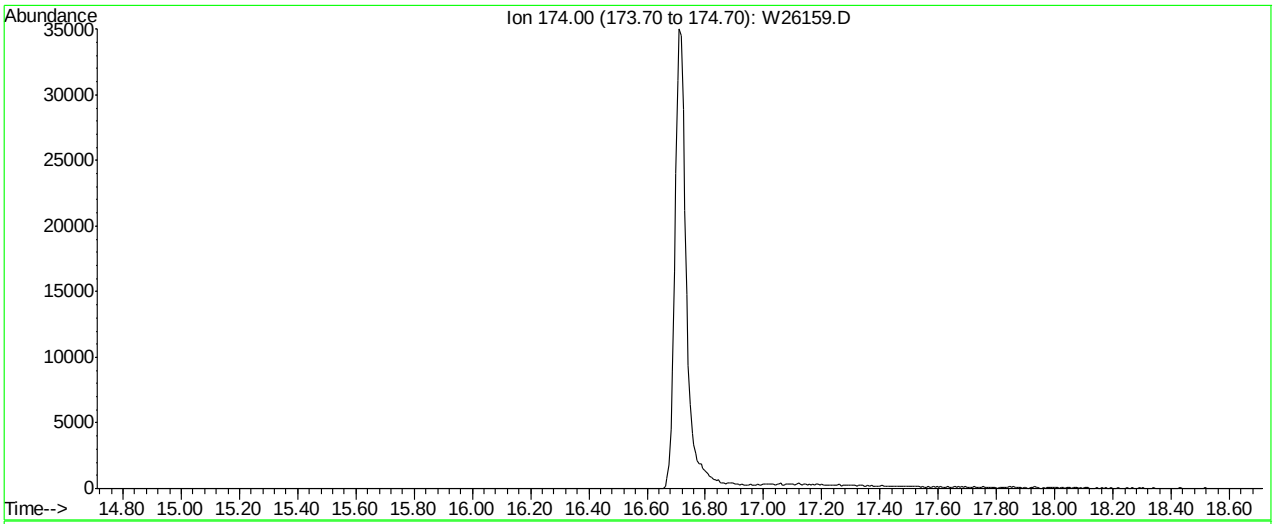
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	87	47.95	185	62.00	1369	76.00	1440
36.05	143	49.00	1146	63.00	1047	76.95	219
37.00	1321	50.00	5820	64.00	112	77.90	169
38.00	1186	51.00	1864	67.00	121	78.90	614
39.00	518	52.05	93	68.00	3187	79.95	208
39.90	155	54.95	174	69.00	3265	80.90	636
40.95	62	55.95	431	69.95	277	81.90	172
43.00	35	57.00	844	71.95	189	83.00	21
43.90	166	58.10	17	73.00	1480	85.80	17
45.00	262	59.95	270	74.00	5343	86.90	1833
47.00	479	61.00	1331	75.00	17013	87.90	1664

Average of 16.705 to 16.718 min.: W26142.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.80	26	111.00	18	134.80	21	173.00	136
90.95	68	114.90	17	140.85	258	173.90	37370
92.00	938	115.85	125	141.90	41	174.90	2796
92.95	1402	116.90	208	142.85	279	175.90	36778
94.00	4165	117.85	103	145.90	72	176.90	2415
95.00	40122	118.90	178	146.95	48	177.85	69
96.00	2828	126.10	19	147.85	110	206.95	78
96.95	170	127.85	119	154.85	94	266.95	21
103.85	125	128.85	40	156.85	44	281.00	1
104.85	49	129.90	134	160.85	39	282.00	43
105.90	115	130.85	52	172.20	17		

BFB

Data File : C:\MSDCHEM\1\DATA\W26159.D Vial: 5
Acq On : 5 May 2010 11:38 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um



AutoFind: Scans 1940, 1941, 1942; Background Corrected with Scan 1929

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.6	5192	PASS
75	95	30	66	41.7	14848	PASS
95	95	100	100	100.0	35581	PASS
96	95	5	9	6.6	2365	PASS
173	174	0.00	2	0.4	138	PASS
174	95	50	120	94.3	33544	PASS
175	174	4	9	7.1	2374	PASS
176	174	93	101	98.9	33165	PASS
177	176	5	9	6.7	2215	PASS

W26159.D MW1082.M Thu May 06 11:24:23 2010 MSW

Average of 16.705 to 16.718 min.: W26159.D
BFB
Modified:subtracted

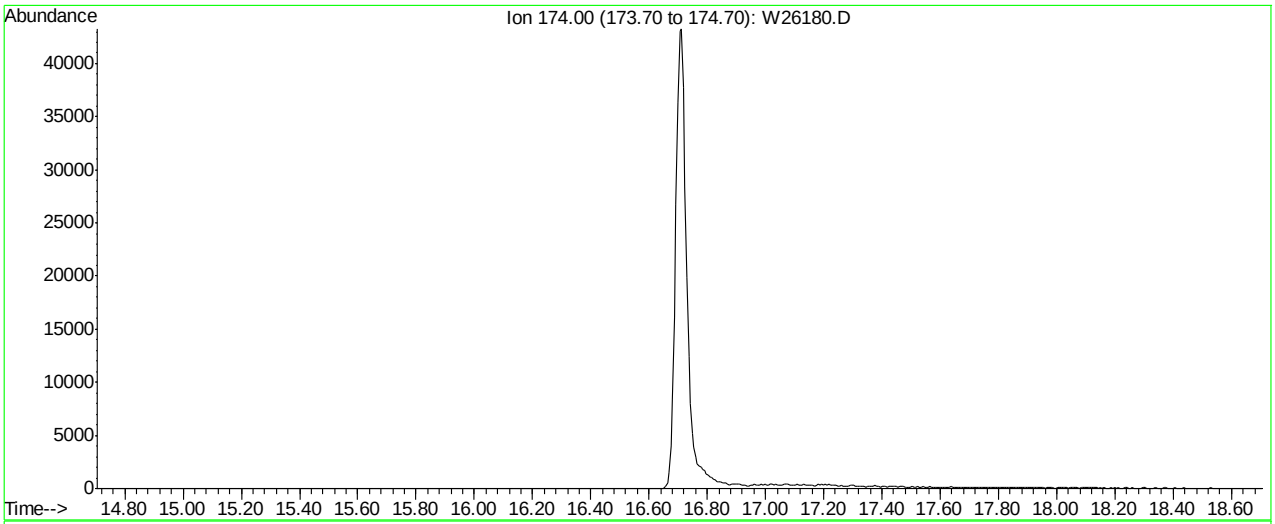
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	213	50.00	5192	66.90	29	77.85	137
37.00	1143	51.00	1613	67.10	75	78.90	623
38.00	1015	52.00	71	68.00	2810	79.95	229
39.00	447	55.05	133	69.00	2931	80.90	617
39.90	42	56.00	390	69.95	232	81.90	142
40.90	20	57.00	715	71.95	143	86.90	1621
43.95	70	59.95	243	73.00	1266	87.90	1642
45.00	233	61.00	1219	74.00	4487	90.90	78
46.95	418	62.00	1219	75.00	14848	91.95	800
48.00	154	63.00	961	76.00	1332	93.00	1265
49.00	969	63.90	65	76.95	181	94.00	3556

Average of 16.705 to 16.718 min.: W26159.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	35581	128.85	48	174.90	2374		
96.00	2365	129.80	97	175.90	33165		
96.95	87	140.85	256	176.90	2215		
103.85	97	142.90	226	177.90	47		
105.80	94	146.95	88	267.00	31		
110.90	20	147.85	74	281.00	4		
115.85	92	154.85	64				
116.90	132	156.95	43				
117.85	117	171.85	49				
118.90	181	173.00	138				
127.80	97	173.90	33544				

BFB

Data File : C:\MSDCHEM\1\DATA\W26180.D Vial: 5
Acq On : 6 May 2010 8:39 am Operator: YOUMINH
Sample : BFB Inst : MSW
Misc : MS96200,VW1084,400,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um



AutoFind: Scans 1939, 1940, 1941; Background Corrected with Scan 1928

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.1	6174	PASS
75	95	30	66	43.2	18848	PASS
95	95	100	100	100.0	43645	PASS
96	95	5	9	7.1	3090	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.7	40882	PASS
175	174	4	9	7.5	3080	PASS
176	174	93	101	97.1	39706	PASS
177	176	5	9	6.7	2666	PASS

W26180.D MW1082.M Fri May 07 09:35:51 2010 MSW

Average of 16.699 to 16.711 min.: W26180.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	259	49.00	1226	63.95	108	77.95	175
37.00	1535	50.00	6174	66.95	98	78.90	697
38.00	1334	51.00	2019	68.00	3626	79.90	244
39.00	576	51.95	85	69.00	3687	80.90	765
39.90	4	54.95	158	69.95	296	81.95	175
41.00	21	55.95	414	71.90	225	86.00	45
43.10	22	57.00	866	73.00	1483	86.90	2070
43.95	81	59.90	354	74.00	5921	87.95	1859
45.00	294	61.00	1537	75.00	18848	88.60	30
47.00	516	62.00	1572	76.00	1600	90.85	105
47.90	193	63.00	1089	76.95	280	92.00	979

Average of 16.699 to 16.711 min.: W26180.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1515	117.80	35	147.80	94	207.00	10
94.00	4515	117.95	89	149.80	24	208.00	20
95.00	43645	118.85	192	154.90	99	266.90	35
96.00	3090	127.85	95	156.90	24	281.05	51
96.95	161	128.90	52	160.80	23		
103.85	130	129.85	135	172.05	92		
104.90	23	136.80	23	173.90	40882		
105.85	136	140.85	272	174.90	3080		
106.80	20	142.90	310	175.90	39706		
115.80	124	145.90	22	176.90	2666		
116.90	188	146.95	85	177.90	73		

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 11:02:59 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:01:18 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	263849	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1076317	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	436737	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	436737	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	233555	5.61	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 112.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	546390	4.90	PPBV		99
4) FREON 152A	4.97	65	115077	4.99	PPBV		98
5) CHLORODIFLUOROMETHANE	5.01	67	61890	5.43	PPBV		97
6) PROPYLENE	5.04	41	145970	5.03	PPBV		95
8) FREON 114	5.31	85	576542	5.33	PPBV		98
9) CHLOROMETHANE	5.25	52	55549	4.98	PPBV		98
10) VINYL CHLORIDE	5.43	62	192536	5.17	PPBV		99
11) 1,3-BUTADIENE	5.54	54	150909	4.99	PPBV		97
12) n-BUTANE	5.57	43	294727	4.56	PPBV		99
13) BROMOMETHANE	5.79	94	209017	5.02	PPBV		98
14) CHLOROETHANE	5.93	64	104342	5.04	PPBV		97
15) FREON 123	6.35	83	391838	4.43	PPBV	#	98
16) FREON 123A	6.40	117	250321	4.31	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.58	101	559910	5.16	PPBV		97
18) ISOPROPYL ALCOHOL	6.69	45	262002	4.61	PPBV		97
19) ACETONE	6.47	58	53757	3.75	PPBV		95
20) PENTANE	6.84	42	192126	4.84	PPBV		99
23) IODOMETHANE	7.11	142	546942	5.22	PPBV		100
24) 1,1-DICHLOROETHYLENE	7.16	96	177094	4.95	PPBV		96
25) CARBON DISULFIDE	7.56	76	504432	5.03	PPBV		99
26) ETHANOL	6.07	45	56042	3.91	PPBV		99
27) BROMOETHENE	6.24	106	215270	5.44	PPBV		99
28) METHYLENE CHLORIDE	7.30	84	144007	4.75	PPBV		97
29) 3-CHLOROPROPENE	7.37	76	68127	4.63	PPBV		97
30) FREON 113	7.47	151	318197	4.97	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	183622	5.33	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.22	59	341646	5.06	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.33	73	369440	4.21	PPBV		99
34) TETRAHYDROFURAN	9.81	72	58307	4.43	PPBV		99
35) HEXANE	9.18	57	219578	4.75	PPBV		99
36) VINYL ACETATE	8.43	86	26277	4.19	PPBV		98
37) 1,1-DICHLOROETHANE	8.31	63	282983	4.55	PPBV		99
38) METHYL ETHYL KETONE	8.69	72	58015	4.26	PPBV	#	91
39) cis-1,2-DICHLOROETHYLENE	9.15	96	163811	4.30	PPBV		97
40) ETHYL ACETATE	9.31	61	34541	5.44	PPBV	#	56
41) CHLOROFORM	9.40	83	336980	4.74	PPBV		98
42) 2,4-DIMETHYLPENTANE	10.03	57	280771	4.86	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.35	97	393401	4.59	PPBV		99
44) CARBON TETRACHLORIDE	10.96	117	419006	5.15	PPBV		98
45) 1,2-DICHLOROETHANE	10.12	62	216301	4.54	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 11:02:59 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 11:01:18 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

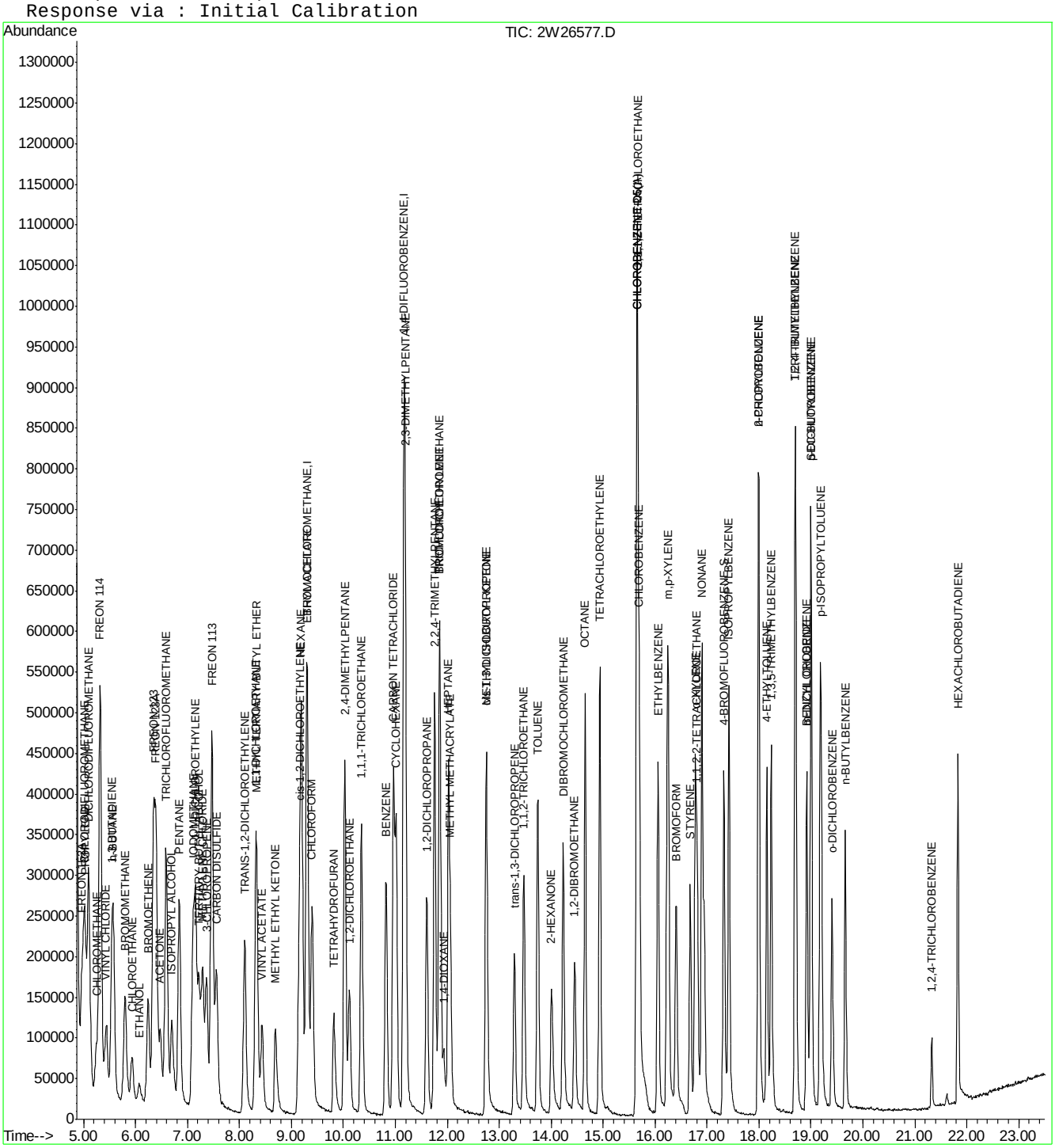
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	427921	4.74	PPBV		99
48)	CYCLOHEXANE	11.01	84	272760	4.95	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.20	71	101353	4.72	PPBV		92
50)	TRICHLOROETHYLENE	11.86	95	185485	4.52	PPBV		99
51)	1,2-DICHLOROPROPANE	11.60	63	137618	4.49	PPBV		99
52)	BROMODICHLOROMETHANE	11.85	83	307940	4.85	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	675073	4.88	PPBV		99
54)	1,4-DIOXANE	11.93	88	82134	4.58	PPBV		94
55)	METHYL METHACRYLATE	12.06	69	108566	5.36	PPBV	#	1
56)	HEPTANE	12.02	43	234027	4.76	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.75	43	234409	5.39	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.75	75	227401	5.15	PPBV		96
60)	TOLUENE	13.74	92	280996	4.77	PPBV		96
61)	trans-1,3-DICHLOROPROPENE	13.29	75	183165	5.11	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.47	83	128397	5.12	PPBV		94
64)	2-HEXANONE	14.01	58	101465	5.59	PPBV		97
65)	TETRACHLOROETHYLENE	14.94	164	215180	4.93	PPBV		98
66)	DIBROMOCHLOROMETHANE	14.23	129	311016	5.64	PPBV		98
67)	1,2-DIBROMOETHANE	14.46	107	220520	5.52	PPBV		97
68)	OCTANE	14.65	43	290345	5.13	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	214527	5.11	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	312914	5.44	PPBV		99
71)	ETHYLBENZENE	16.06	91	494144	5.07	PPBV		98
72)	m,p-XYLENE	16.24	106	391820	9.83	PPBV		93
73)	o-XYLENE	16.78	106	192271	4.67	PPBV		93
74)	STYRENE	16.68	104	234106	5.50	PPBV		99
75)	NONANE	16.90	43	255438	5.44	PPBV		99
76)	BROMOFORM	16.40	173	225435	6.00	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.81	83	217022	5.32	PPBV		98
79)	ISOPROPYLBENZENE	17.42	105	539775	4.98	PPBV		97
80)	2-CHLOROTOLUENE	18.00	126	131343	4.93	PPBV	#	88
81)	n-PROPYLBENZENE	18.00	120	137308	5.45	PPBV		79
82)	4-ETHYLTOLUENE	18.15	105	409499	5.64	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	388581	5.35	PPBV		97
84)	TERT-BUTYLBENZENE	18.70	134	102439	5.17	PPBV		87
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	329359	5.22	PPBV		95
86)	m-DICHLOROBENZENE	18.92	146	182046	5.63	PPBV		99
87)	BENZYL CHLORIDE	18.92	91	169199	4.88	PPBV		99
88)	p-DICHLOROBENZENE	19.00	146	163692	5.00	PPBV		99
89)	SEC-BUTYLBENZENE	19.01	134	114281	5.25	PPBV		87
90)	p-ISOPROPYLTOLUENE	19.18	134	115675	5.40	PPBV		91
91)	o-DICHLOROBENZENE	19.41	146	173042	5.00	PPBV		99
92)	n-BUTYLBENZENE	19.66	134	80425	5.15	PPBV		98
93)	HEXACHLOROBUTADIENE	21.83	225	110756	5.45	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	21.32	180	40630	3.87	PPBV		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26577.D Vial: 2
Acq On : 5 Apr 2010 11:11 am Operator: yunxiac
Sample : ic1118-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:13 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 12:57:19 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 12:57:16 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	280494	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1096228	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	393375	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	393375	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	185913	4.85	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.00%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	66346	0.55	PPBV		99
4) FREON 152A	4.97	65	13626	0.53	PPBV		83
5) CHLORODIFLUOROMETHANE	5.01	67	7278	0.51	PPBV	#	40
6) PROPYLENE	5.04	41	17458	0.51	PPBV		87
8) FREON 114	5.31	85	72114	0.54	PPBV		98
9) CHLOROMETHANE	5.25	52	6973	0.55	PPBV	#	57
10) VINYL CHLORIDE	5.45	62	23728	0.56	PPBV		98
11) 1,3-BUTADIENE	5.54	54	17309	0.55	PPBV		94
12) n-BUTANE	5.57	43	39523	0.56	PPBV	#	92
13) BROMOMETHANE	5.80	94	25131	0.53	PPBV		98
14) CHLOROETHANE	5.93	64	12287	0.54	PPBV		94
15) FREON 123	6.35	83	56508	0.59	PPBV	#	95
16) FREON 123A	6.40	117	36879	0.58	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	69828	0.54	PPBV		98
18) ISOPROPYL ALCOHOL	6.77	45	35812	0.57	PPBV		94
19) ACETONE	6.51	58	8927	0.66	PPBV	#	86
20) PENTANE	6.85	42	25116	0.56	PPBV		90
23) IODOMETHANE	7.11	142	65241	0.55	PPBV	#	73
24) 1,1-DICHLOROETHYLENE	7.17	96	23332	0.55	PPBV	#	71
25) CARBON DISULFIDE	7.55	76	60132	0.54	PPBV		93
26) ETHANOL	6.12	45	8268	0.54	PPBV	#	48
27) BROMOETHENE	6.25	106	25280	0.55	PPBV	#	97
28) METHYLENE CHLORIDE	7.30	84	19277	0.53	PPBV		98
29) 3-CHLOROPROPENE	7.36	76	9658	0.61	PPBV	#	73
30) FREON 113	7.47	151	44716	0.58	PPBV		98
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	22174	0.54	PPBV	#	82
32) TERTIARY BUTYL ALCOHOL	7.33	59	41120	0.57	PPBV	#	71
33) METHYL TERTIARY BUTYL ETHE	8.37	73	58577	0.66	PPBV		97
34) TETRAHYDROFURAN	9.89	72	6908	0.57	PPBV	#	86
35) HEXANE	9.19	57	29505	0.58	PPBV	#	87
36) VINYL ACETATE	8.44	86	3648	0.71	PPBV	#	83
37) 1,1-DICHLOROETHANE	8.31	63	39351	0.60	PPBV		97
38) METHYL ETHYL KETONE	8.74	72	7144	0.64	PPBV	#	58
39) cis-1,2-DICHLOROETHYLENE	9.15	96	21768	0.56	PPBV	#	84
40) ETHYL ACETATE	9.35	61	2690	0.59	PPBV	#	85
41) CHLOROFORM	9.41	83	43293	0.58	PPBV		96
42) 2,4-DIMETHYLPENTANE	10.03	57	36393	0.57	PPBV		94
43) 1,1,1-TRICHLOROETHANE	10.36	97	52298	0.58	PPBV		98
44) CARBON TETRACHLORIDE	10.96	117	53659	0.56	PPBV		98
45) 1,2-DICHLOROETHANE	10.11	62	27528	0.59	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 12:57:19 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 12:57:16 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

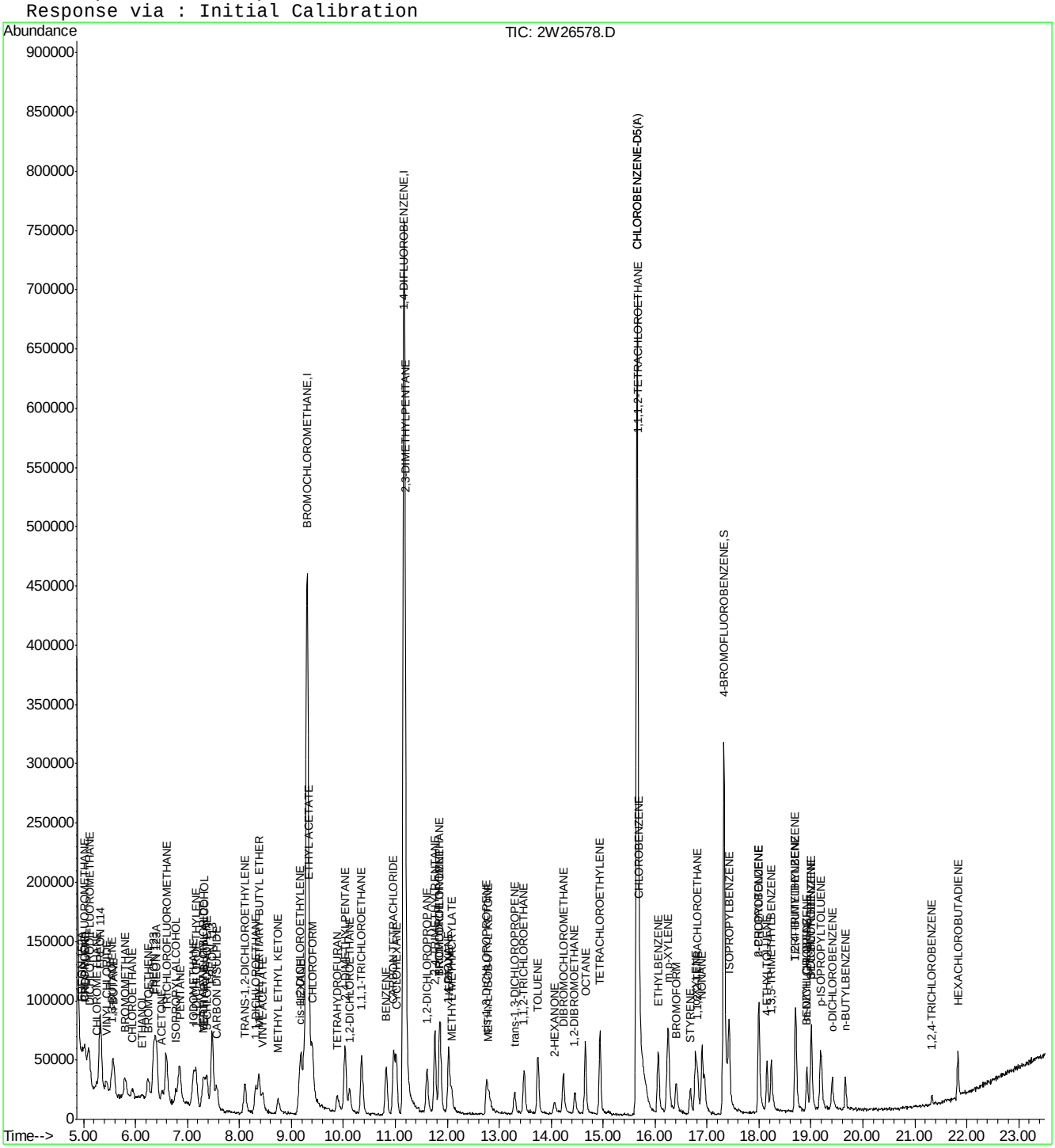
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	57754	0.57	PPBV		94
48)	CYCLOHEXANE	11.02	84	30002	0.47	PPBV	#	70
49)	2,3-DIMETHYLPENTANE	11.20	71	13872	0.51	PPBV	#	41
50)	TRICHLOROETHYLENE	11.86	95	25189	0.57	PPBV		93
51)	1,2-DICHLOROPROPANE	11.61	63	18664	0.57	PPBV	#	76
52)	BROMODICHLOROMETHANE	11.85	83	39310	0.55	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	92848	0.55	PPBV		96
54)	1,4-DIOXANE	12.02	88	10794	0.62	PPBV	#	1
55)	METHYL METHACRYLATE	12.09	69	10523	0.57	PPBV	#	62
56)	HEPTANE	12.02	43	33209	0.57	PPBV		95
58)	METHYL ISOBUTYL KETONE	12.80	43	24211	0.63	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.76	75	25074	0.56	PPBV		94
60)	TOLUENE	13.74	92	35786	0.60	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	13.29	75	18702	0.55	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.47	83	14939	0.57	PPBV		97
64)	2-HEXANONE	14.07	58	7159	0.55	PPBV		90
65)	TETRACHLOROETHYLENE	14.94	164	27468	0.57	PPBV		91
66)	DIBROMOCHLOROMETHANE	14.24	129	31298	0.57	PPBV		98
67)	1,2-DIBROMOETHANE	14.45	107	22635	0.58	PPBV	#	5
68)	OCTANE	14.66	43	35475	0.60	PPBV		92
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	25949	0.61	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	34248	0.58	PPBV		85
71)	ETHYLBENZENE	16.06	91	61367	0.66	PPBV		97
72)	m,p-XYLENE	16.25	106	48590	1.28	PPBV		96
73)	o-XYLENE	16.78	106	23966	0.64	PPBV		98
74)	STYRENE	16.68	104	18627	0.51	PPBV		94
75)	NONANE	16.91	43	27967	0.61	PPBV		90
76)	BROMOFORM	16.41	173	18789	0.79	PPBV	#	40
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	22841	0.60	PPBV		95
79)	ISOPROPYLBENZENE	17.42	105	69811	0.65	PPBV		97
80)	2-CHLOROTOLUENE	18.00	126	14822	0.63	PPBV	#	87
81)	n-PROPYLBENZENE	18.00	120	16045	0.68	PPBV		92
82)	4-ETHYLTOLUENE	18.15	105	41861	0.61	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	39445	0.60	PPBV		99
84)	TERT-BUTYLBENZENE	18.70	134	11430	0.63	PPBV		86
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	32814	0.59	PPBV	#	80
86)	m-DICHLOROBENZENE	18.93	146	16717	0.57	PPBV		98
87)	BENZYL CHLORIDE	18.91	91	16395	0.62	PPBV		97
88)	p-DICHLOROBENZENE	19.01	146	16389	0.59	PPBV		94
89)	SEC-BUTYLBENZENE	19.01	134	12536	0.63	PPBV		96
90)	p-ISOPROPYLTOLUENE	19.18	134	10848	0.60	PPBV	#	83
91)	o-DICHLOROBENZENE	19.41	146	19607	0.65	PPBV		93
92)	n-BUTYLBENZENE	19.67	134	7451	0.57	PPBV	#	69
93)	HEXACHLOROBUTADIENE	21.83	225	9882	0.58	PPBV		97
94)	1,2,4-TRICHLOROBENZENE	21.33	180	4627	0.57	PPBV		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26578.D Vial: 1
Acq On : 5 Apr 2010 11:54 am Operator: yunxiac
Sample : ic1118-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:30 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 13:01:35 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 13:00:22 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	285266	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1241829	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	517881	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	517881	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	268120	5.23	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 104.60%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1026461	8.71	PPBV		100
4) FREON 152A	4.98	65	216406	8.62	PPBV		100
5) CHLORODIFLUOROMETHANE	5.01	67	110946	8.11	PPBV		96
6) PROPYLENE	5.03	41	280095	8.44	PPBV		100
8) FREON 114	5.32	85	1068205	8.37	PPBV		100
9) CHLOROMETHANE	5.26	52	111003	8.89	PPBV		100
10) VINYL CHLORIDE	5.44	62	386728	9.19	PPBV		100
11) 1,3-BUTADIENE	5.55	54	292593	9.39	PPBV		99
12) n-BUTANE	5.58	43	589777	8.65	PPBV		100
13) BROMOMETHANE	5.79	94	401971	8.63	PPBV		100
14) CHLOROETHANE	5.93	64	204958	9.16	PPBV		100
15) FREON 123	6.35	83	817973	8.72	PPBV	#	100
16) FREON 123A	6.40	117	537228	8.70	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.59	101	1023568	8.28	PPBV		100
18) ISOPROPYL ALCOHOL	6.69	45	532480	8.70	PPBV		100
19) ACETONE	6.47	58	130442	9.65	PPBV		99
20) PENTANE	6.85	42	369505	8.47	PPBV		100
23) IODOMETHANE	7.11	142	1032936	8.82	PPBV		100
24) 1,1-DICHLOROETHYLENE	7.16	96	342828	8.37	PPBV		100
25) CARBON DISULFIDE	7.56	76	980504	8.92	PPBV		100
26) ETHANOL	6.07	45	127782	8.61	PPBV		100
27) BROMOETHENE	6.25	106	413454	9.06	PPBV		100
28) METHYLENE CHLORIDE	7.30	84	286038	8.25	PPBV		100
29) 3-CHLOROPROPENE	7.37	76	151059	9.58	PPBV		100
30) FREON 113	7.47	151	615109	8.33	PPBV		100
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	365731	9.07	PPBV		100
32) TERTIARY BUTYL ALCOHOL	7.21	59	683391	9.55	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.32	73	883911	9.81	PPBV		100
34) TETRAHYDROFURAN	9.80	72	142093	11.16	PPBV		100
35) HEXANE	9.18	57	440234	8.83	PPBV		100
36) VINYL ACETATE	8.45	86	68863	12.26	PPBV		100
37) 1,1-DICHLOROETHANE	8.31	63	592901	9.19	PPBV		100
38) METHYL ETHYL KETONE	8.68	72	133980	11.29	PPBV		100
39) cis-1,2-DICHLOROETHYLENE	9.15	96	353765	9.24	PPBV		100
40) ETHYL ACETATE	9.30	61	63871	12.64	PPBV		99
41) CHLOROFORM	9.40	83	706347	9.43	PPBV		100
42) 2,4-DIMETHYLPENTANE	10.03	57	581357	9.15	PPBV		100
43) 1,1,1-TRICHLOROETHANE	10.35	97	804779	9.02	PPBV		100
44) CARBON TETRACHLORIDE	10.97	117	810195	8.71	PPBV		100
45) 1,2-DICHLOROETHANE	10.12	62	476306	10.09	PPBV		100

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

ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 13:01:35 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 13:00:22 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

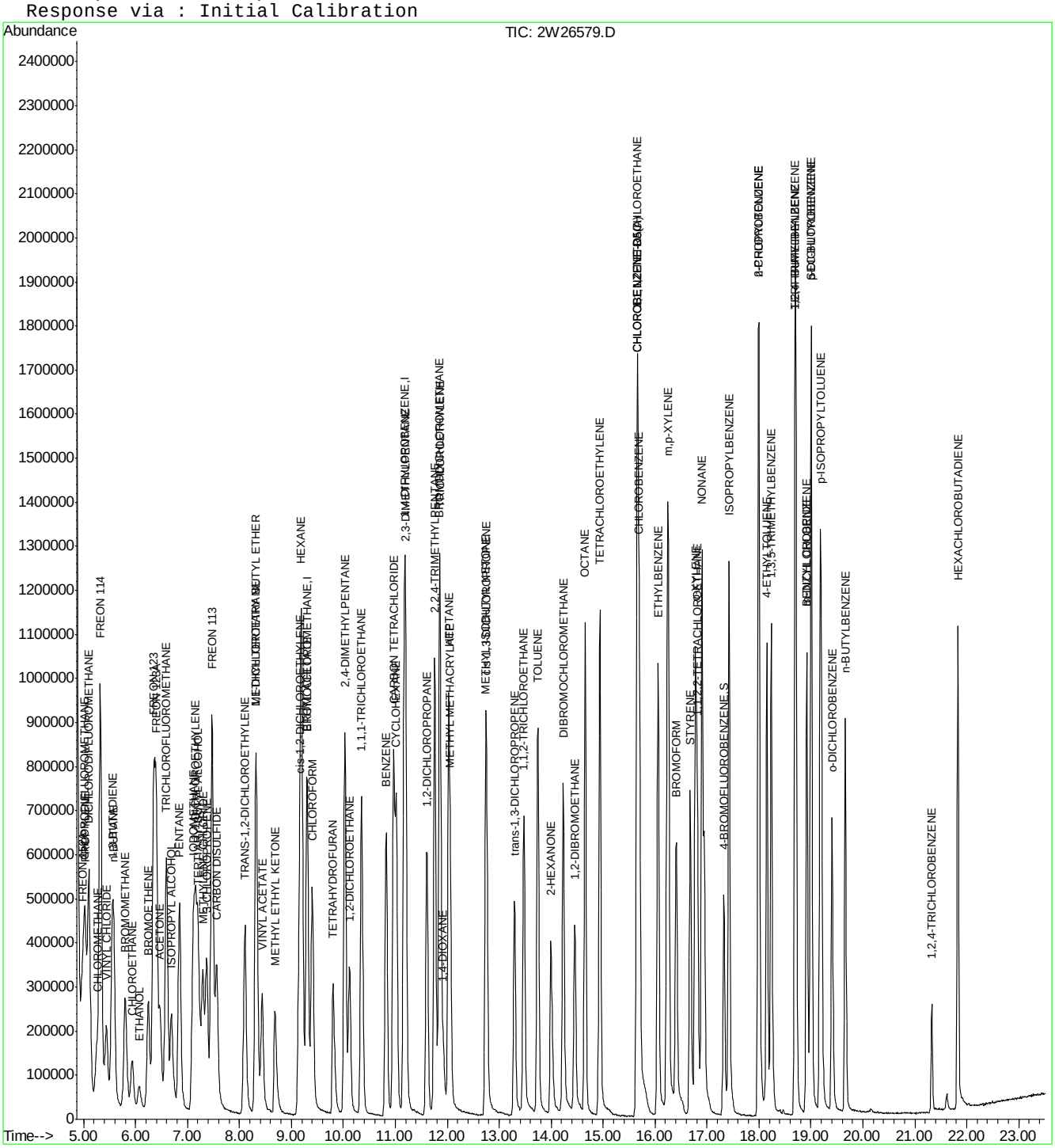
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	BENZENE	10.82	78	942318	8.57	PPBV	100
48)	CYCLOHEXANE	11.02	84	538826	7.94	PPBV	100
49)	2,3-DIMETHYLPENTANE	11.20	71	213268	7.48	PPBV	100
50)	TRICHLOROETHYLENE	11.86	95	383882	8.09	PPBV	100
51)	1,2-DICHLOROPROPANE	11.60	63	322300	9.04	PPBV	100
52)	BROMODICHLOROMETHANE	11.85	83	656380	8.50	PPBV	100
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	1362529	7.68	PPBV	100
54)	1,4-DIOXANE	11.92	88	175888	9.21	PPBV	100
55)	METHYL METHACRYLATE	12.06	69	245311	11.29	PPBV	100
56)	HEPTANE	12.02	43	491641	7.94	PPBV	100
58)	METHYL ISOBUTYL KETONE	12.73	43	510965	11.20	PPBV	100
59)	cis-1,3-DICHLOROPROPENE	12.76	75	505441	9.98	PPBV	100
60)	TOLUENE	13.74	92	663052	9.87	PPBV	100
61)	trans-1,3-DICHLOROPROPENE	13.29	75	439196	11.05	PPBV	100
62)	1,1,2-TRICHLOROETHANE	13.48	83	284910	9.63	PPBV	100
64)	2-HEXANONE	13.99	58	247864	13.03	PPBV	97
65)	TETRACHLOROETHYLENE	14.94	164	463142	7.87	PPBV	100
66)	DIBROMOCHLOROMETHANE	14.23	129	712089	9.94	PPBV	100
67)	1,2-DIBROMOETHANE	14.46	107	505986	9.95	PPBV	100
68)	OCTANE	14.66	43	620154	8.40	PPBV	100
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	490649	9.09	PPBV	100
70)	CHLOROBENZENE	15.70	112	705368	9.33	PPBV	100
71)	ETHYLBENZENE	16.06	91	1158253	9.60	PPBV	100
72)	m,p-XYLENE	16.24	106	953853	19.31	PPBV	100
73)	o-XYLENE	16.78	106	480473	9.84	PPBV	100
74)	STYRENE	16.68	104	614984	12.54	PPBV	100
75)	NONANE	16.90	43	567592	9.58	PPBV	100
76)	BROMOFORM	16.41	173	531743	11.02	PPBV	100
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	514596	10.18	PPBV	100
79)	ISOPROPYLBENZENE	17.42	105	1275590	9.26	PPBV	100
80)	2-CHLOROTOLUENE	18.00	126	309126	10.00	PPBV	100
81)	n-PROPYLBENZENE	18.00	120	337381	10.59	PPBV	100
82)	4-ETHYLTOLUENE	18.15	105	1000480	10.82	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	929015	10.57	PPBV	100
84)	TERT-BUTYLBENZENE	18.70	134	254235	10.45	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	786936	10.56	PPBV	100
86)	m-DICHLOROBENZENE	18.92	146	440452	10.95	PPBV	100
87)	BENZYL CHLORIDE	18.92	91	443017	11.97	PPBV	100
88)	p-DICHLOROBENZENE	19.00	146	407680	10.85	PPBV	100
89)	SEC-BUTYLBENZENE	19.01	134	281507	10.60	PPBV	100
90)	p-ISOPROPYLTOLUENE	19.18	134	286057	11.38	PPBV	100
91)	o-DICHLOROBENZENE	19.41	146	429938	10.59	PPBV	100
92)	n-BUTYLBENZENE	19.66	134	210588	11.58	PPBV	100
93)	HEXACHLOROBUTADIENE	21.83	225	279569	11.68	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	21.32	180	123693	11.13	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26579.D Vial: 2
Acq On : 5 Apr 2010 12:37 pm Operator: yunxiac
Sample : icc1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 14:38:04 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 14:38:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	306364	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1264485	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	492398	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	492398	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	229457	4.81	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	212378	1.72	PPBV		96
4) FREON 152A	4.98	65	38290	1.52	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	20007	1.53	PPBV	#	38
6) PROPYLENE	5.04	41	55290	1.69	PPBV		98
8) FREON 114	5.32	85	221950	1.69	PPBV		97
9) CHLOROMETHANE	5.25	52	19857	1.60	PPBV		93
10) VINYL CHLORIDE	5.44	62	73183	1.69	PPBV		100
11) 1,3-BUTADIENE	5.55	54	52787	1.62	PPBV		93
12) n-BUTANE	5.58	43	122856	1.66	PPBV	#	96
13) BROMOMETHANE	5.80	94	72377	1.60	PPBV		98
14) CHLOROETHANE	5.94	64	33527	1.51	PPBV		98
15) FREON 123	6.35	83	151846	1.59	PPBV	#	96
16) FREON 123A	6.40	117	96181	1.57	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.59	101	194183	1.59	PPBV		99
18) ISOPROPYL ALCOHOL	6.75	45	99946	1.67	PPBV		97
19) ACETONE	6.50	58	19060	1.42	PPBV		94
20) PENTANE	6.85	42	69740	1.57	PPBV		96
23) IODOMETHANE	7.11	142	184283	1.58	PPBV		99
24) 1,1-DICHLOROETHYLENE	7.17	96	62606	1.56	PPBV		99
25) CARBON DISULFIDE	7.56	76	195240	1.73	PPBV		97
26) ETHANOL	6.12	45	23802	1.76	PPBV	#	50
27) BROMOETHENE	6.24	106	71679	1.56	PPBV		97
28) METHYLENE CHLORIDE	7.30	84	51370	1.49	PPBV		99
29) 3-CHLOROPROPENE	7.37	76	24646	1.50	PPBV	#	76
30) FREON 113	7.48	151	111844	1.51	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	59324	1.50	PPBV		94
32) TERTIARY BUTYL ALCOHOL	7.31	59	114330	1.89	PPBV	#	73
33) METHYL TERTIARY BUTYL ETHE	8.36	73	134666	1.46	PPBV		98
34) TETRAHYDROFURAN	9.87	72	18009	1.48	PPBV		91
35) HEXANE	9.18	57	81300	1.61	PPBV		96
36) VINYL ACETATE	8.45	86	7559	1.34	PPBV	#	74
37) 1,1-DICHLOROETHANE	8.32	63	103126	1.54	PPBV		100
38) METHYL ETHYL KETONE	8.73	72	20238	1.74	PPBV	#	88
39) cis-1,2-DICHLOROETHYLENE	9.16	96	58122	1.54	PPBV		99
40) ETHYL ACETATE	9.33	61	7576	1.41	PPBV	#	74
41) CHLOROFORM	9.40	83	118454	1.56	PPBV		96
42) 2,4-DIMETHYLPENTANE	10.03	57	103993	1.62	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.35	97	143999	1.58	PPBV		97
44) CARBON TETRACHLORIDE	10.97	117	149347	1.60	PPBV		97
45) 1,2-DICHLOROETHANE	10.12	62	69757	1.48	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 14:38:04 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 14:38:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

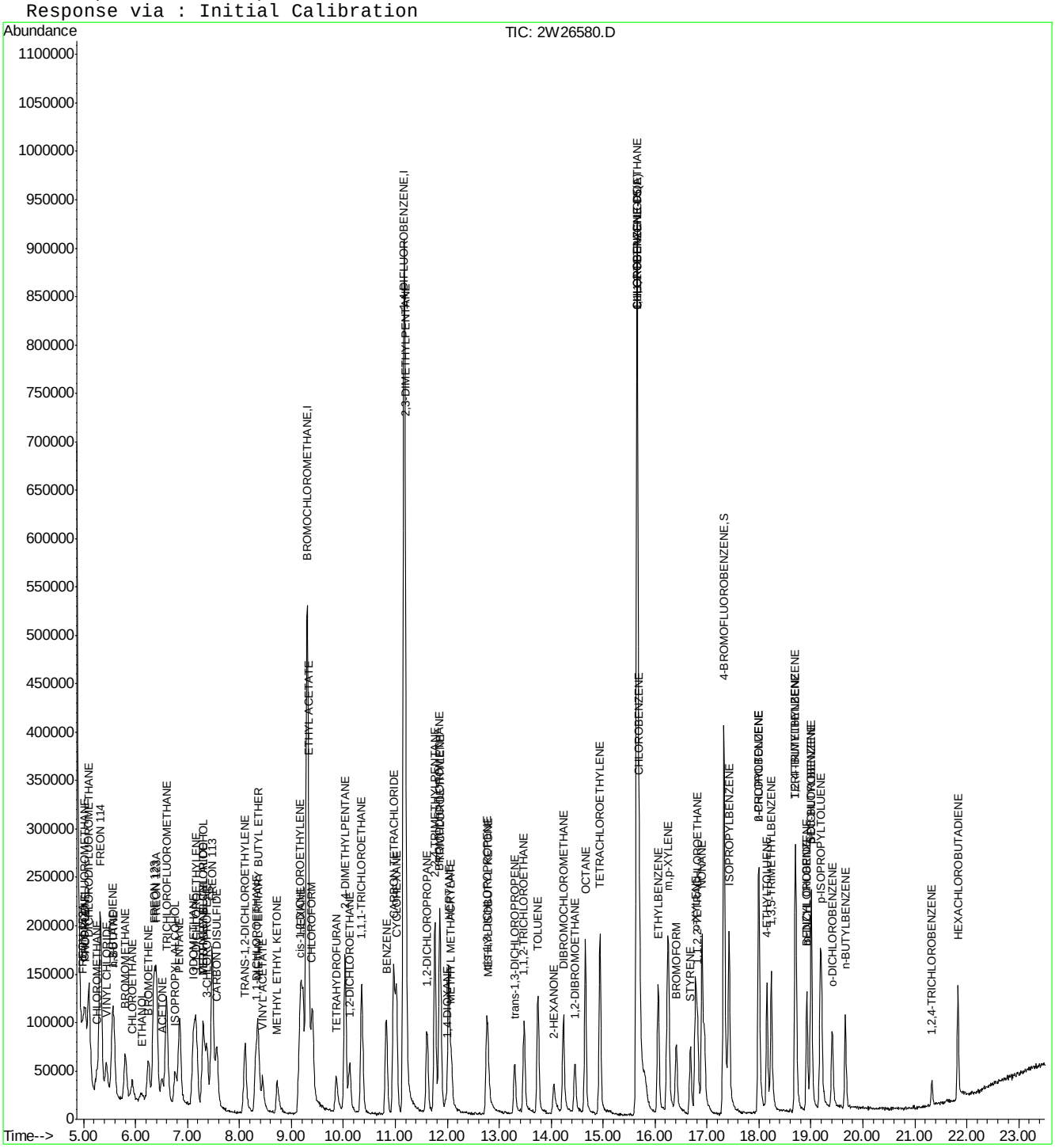
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.83	78	144478	1.47	PPBV		99
48)	CYCLOHEXANE	11.02	84	99961	1.75	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.20	71	37919	1.50	PPBV		79
50)	TRICHLOROETHYLENE	11.86	95	67678	1.57	PPBV		98
51)	1,2-DICHLOROPROPANE	11.61	63	45504	1.41	PPBV		97
52)	BROMODICHLOROMETHANE	11.85	83	102818	1.50	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	259204	1.64	PPBV		98
54)	1,4-DIOXANE	11.99	88	25222	1.39	PPBV	#	72
55)	METHYL METHACRYLATE	12.08	69	31009	1.68	PPBV	#	1
56)	HEPTANE	12.03	43	91491	1.66	PPBV		95
58)	METHYL ISOBUTYL KETONE	12.78	43	64465	1.45	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.76	75	70317	1.46	PPBV		99
60)	TOLUENE	13.74	92	84798	1.37	PPBV		87
61)	trans-1,3-DICHLOROPROPENE	13.30	75	52521	1.43	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.48	83	40613	1.48	PPBV		92
64)	2-HEXANONE	14.05	58	24299	1.43	PPBV		92
65)	TETRACHLOROETHYLENE	14.94	164	75512	1.54	PPBV		99
66)	DIBROMOCHLOROMETHANE	14.24	129	90609	1.46	PPBV		98
67)	1,2-DIBROMOETHANE	14.46	107	65519	1.48	PPBV		97
68)	OCTANE	14.65	43	106260	1.62	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	67233	1.44	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	96895	1.48	PPBV		92
71)	ETHYLBENZENE	16.06	91	156634	1.46	PPBV		96
72)	m,p-XYLENE	16.24	106	125708	2.93	PPBV		88
73)	o-XYLENE	16.78	106	65158	1.52	PPBV		95
74)	STYRENE	16.68	104	61398	1.43	PPBV		98
75)	NONANE	16.90	43	87461	1.66	PPBV		99
76)	BROMOFORM	16.41	173	56128	1.37	PPBV		95
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	73979	1.64	PPBV		95
79)	ISOPROPYLBENZENE	17.42	105	182964	1.52	PPBV		96
80)	2-CHLOROTOLUENE	18.00	126	41556	1.48	PPBV	#	76
81)	n-PROPYLBENZENE	18.00	120	42515	1.49	PPBV	#	60
82)	4-ETHYLTOLUENE	18.15	105	128227	1.57	PPBV		96
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	130888	1.68	PPBV		94
84)	TERT-BUTYLBENZENE	18.70	134	32795	1.57	PPBV		82
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	110672	1.66	PPBV		96
86)	m-DICHLOROBENZENE	18.92	146	51371	1.42	PPBV		95
87)	BENZYL CHLORIDE	18.92	91	53616	1.47	PPBV		98
88)	p-DICHLOROBENZENE	19.00	146	52369	1.54	PPBV		96
89)	SEC-BUTYLBENZENE	19.01	134	36588	1.57	PPBV		82
90)	p-ISOPROPYLTOLUENE	19.18	134	34912	1.59	PPBV		82
91)	o-DICHLOROBENZENE	19.41	146	55591	1.50	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	21777	1.40	PPBV		85
93)	HEXACHLOROBUTADIENE	21.83	225	29888	1.45	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.33	180	13230	1.33	PPBV		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26580.D Vial: 2
Acq On : 5 Apr 2010 1:20 pm Operator: yunxiac
Sample : ic1118-2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 17:06:10 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:06:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.31	128	286455	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.18	114	1282511	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.66	82	593195	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.66	82	593195	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	313306	5.37	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 107.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1893639	16.92	PPBV		97
4) FREON 152A	4.97	65	436251	18.76	PPBV		97
5) CHLORODIFLUOROMETHANE	5.01	67	233310	19.19	PPBV		97
6) PROPYLENE	5.04	41	550256	18.28	PPBV		99
8) FREON 114	5.32	85	1943573	16.43	PPBV		97
9) CHLOROMETHANE	5.26	52	218640	19.01	PPBV		99
10) VINYL CHLORIDE	5.44	62	763759	19.09	PPBV		99
11) 1,3-BUTADIENE	5.55	54	591977	19.57	PPBV		98
12) n-BUTANE	5.58	43	1123735	16.81	PPBV		99
13) BROMOMETHANE	5.80	94	806361	19.19	PPBV		99
14) CHLOROETHANE	5.93	64	431997	20.64	PPBV		100
15) FREON 123	6.35	83	1620528	18.44	PPBV	#	98
16) FREON 123A	6.40	117	1085602	19.08	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.60	101	1988802	17.78	PPBV		97
18) ISOPROPYL ALCOHOL	6.71	45	1184528	20.91	PPBV		99
19) ACETONE	6.47	58	303993	23.45	PPBV		95
20) PENTANE	6.85	42	745750	18.32	PPBV		99
23) IODOMETHANE	7.12	142	2028469	18.81	PPBV		97
24) 1,1-DICHLOROETHYLENE	7.17	96	688922	18.67	PPBV		99
25) CARBON DISULFIDE	7.56	76	1878352	18.10	PPBV		97
26) ETHANOL	6.09	45	293129	19.77	PPBV		99
27) BROMOETHENE	6.25	106	831783	19.50	PPBV		98
28) METHYLENE CHLORIDE	7.30	84	595283	18.66	PPBV		99
29) 3-CHLOROPROPENE	7.38	76	326074	21.01	PPBV		96
30) FREON 113	7.48	151	1206749	17.80	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.11	96	747127	20.16	PPBV		99
32) TERTIARY BUTYL ALCOHOL	7.23	59	1457363	21.48	PPBV		98
33) METHYL TERTIARY BUTYL ETHE	8.32	73	1877948	21.49	PPBV		98
34) TETRAHYDROFURAN	9.80	72	334013	27.26	PPBV		97
35) HEXANE	9.19	57	901381	19.19	PPBV		99
36) VINYL ACETATE	8.44	86	156291	27.36	PPBV		96
37) 1,1-DICHLOROETHANE	8.32	63	1178192	19.05	PPBV		97
38) METHYL ETHYL KETONE	8.69	72	317795	25.77	PPBV		94
39) cis-1,2-DICHLOROETHYLENE	9.16	96	729767	20.60	PPBV		99
40) ETHYL ACETATE	9.30	61	156956	28.57	PPBV	#	82
41) CHLOROFORM	9.41	83	1433210	20.11	PPBV		97
42) 2,4-DIMETHYLPENTANE	10.04	57	1187562	19.81	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.36	97	1596348	18.92	PPBV		97
44) CARBON TETRACHLORIDE	10.98	117	1599978	18.57	PPBV		98
45) 1,2-DICHLOROETHANE	10.12	62	1044286	23.03	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 17:06:10 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:06:06 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

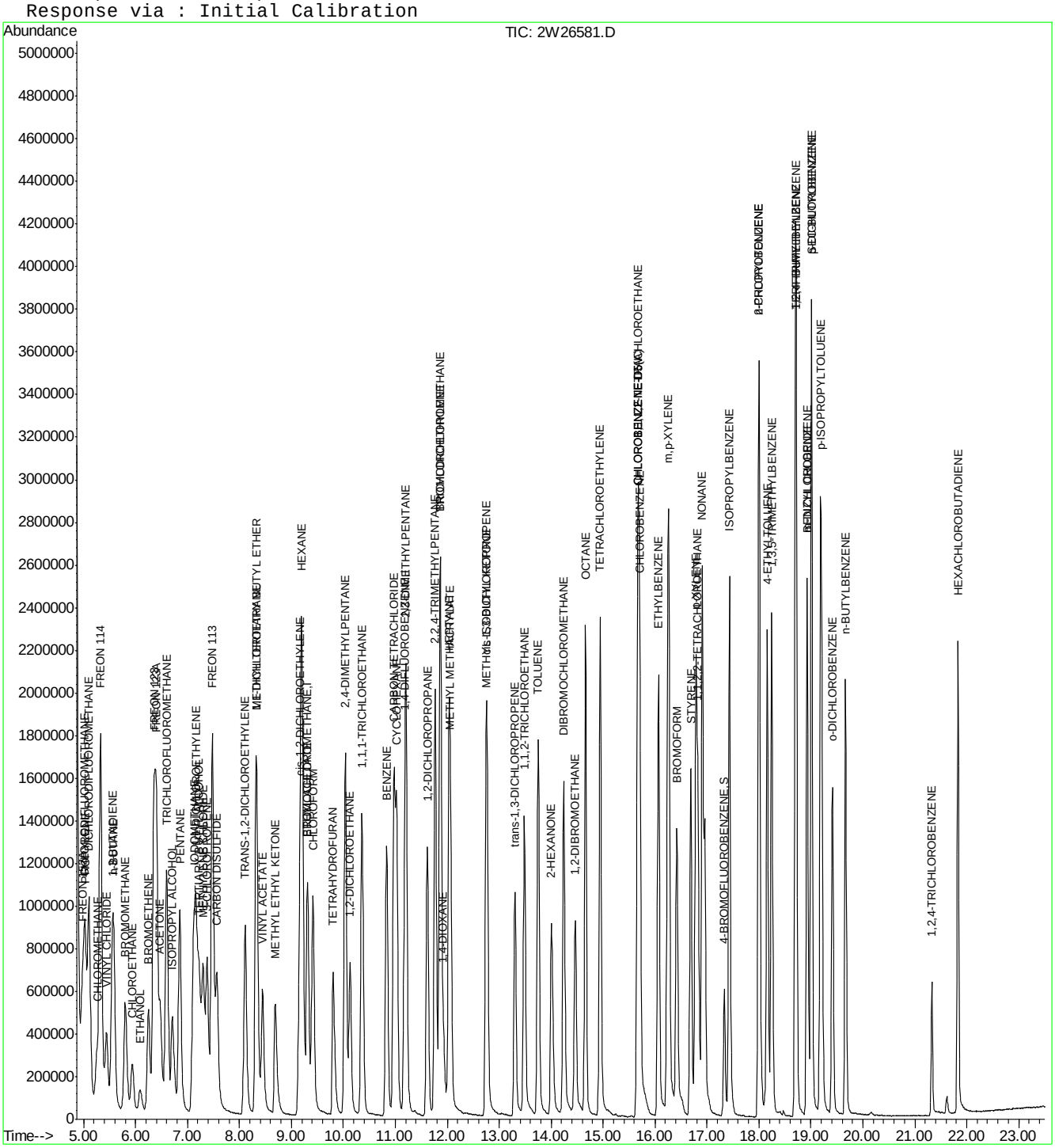
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.84	78	1913764	19.37	PPBV		98
48)	CYCLOHEXANE	11.02	84	1127597	19.59	PPBV		99
49)	2,3-DIMETHYLPENTANE	11.21	71	460012	18.28	PPBV		89
50)	TRICHLOROETHYLENE	11.87	95	798594	18.55	PPBV		99
51)	1,2-DICHLOROPROPANE	11.61	63	687346	20.86	PPBV		99
52)	BROMODICHLOROMETHANE	11.86	83	1325577	19.25	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.77	57	2597864	16.75	PPBV		96
54)	1,4-DIOXANE	11.93	88	406627	21.70	PPBV		96
55)	METHYL METHACRYLATE	12.07	69	584143	27.05	PPBV		90
56)	HEPTANE	12.03	43	1003335	18.23	PPBV		97
58)	METHYL ISOBUTYL KETONE	12.74	43	1122067	23.93	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.76	75	1065181	21.52	PPBV		97
60)	TOLUENE	13.75	92	1391017	21.82	PPBV		95
61)	trans-1,3-DICHLOROPROPENE	13.30	75	984734	25.14	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.49	83	616278	21.76	PPBV		97
64)	2-HEXANONE	14.01	58	604742	27.12	PPBV		99
65)	TETRACHLOROETHYLENE	14.94	164	933519	16.40	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.24	129	1481182	19.81	PPBV		99
67)	1,2-DIBROMOETHANE	14.46	107	1098052	20.52	PPBV		98
68)	OCTANE	14.66	43	1251601	16.43	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	1019132	18.38	PPBV	#	61
70)	CHLOROBENZENE	15.71	112	1450842	18.64	PPBV		96
71)	ETHYLBENZENE	16.07	91	2300347	18.13	PPBV		94
72)	m,p-XYLENE	16.26	106	1985960	38.64	PPBV		87
73)	o-XYLENE	16.79	106	1030966	19.96	PPBV		92
74)	STYRENE	16.68	104	1375967	24.87	PPBV		98
75)	NONANE	16.91	43	1141649	18.31	PPBV		96
76)	BROMOFORM	16.41	173	1159096	22.89	PPBV		98
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	1091449	20.05	PPBV		98
79)	ISOPROPYLBENZENE	17.43	105	2443050	17.27	PPBV		93
80)	2-CHLOROTOLUENE	18.00	126	673138	19.91	PPBV	#	66
81)	n-PROPYLBENZENE	18.00	120	735317	21.16	PPBV		64
82)	4-ETHYLTOLUENE	18.16	105	2037044	20.56	PPBV		94
83)	1,3,5-TRIMETHYLBENZENE	18.25	105	1843857	19.67	PPBV		94
84)	TERT-BUTYLBENZENE	18.70	134	563299	21.97	PPBV		83
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	1610414	20.07	PPBV		95
86)	m-DICHLOROBENZENE	18.93	146	971187	21.89	PPBV		97
87)	BENZYL CHLORIDE	18.92	91	1062393	23.30	PPBV		98
88)	p-DICHLOROBENZENE	19.01	146	910624	21.81	PPBV		98
89)	SEC-BUTYLBENZENE	19.01	134	608792	21.42	PPBV		79
90)	p-ISOPROPYLTOLUENE	19.18	134	647839	23.64	PPBV		85
91)	o-DICHLOROBENZENE	19.41	146	933176	20.71	PPBV		97
92)	n-BUTYLBENZENE	19.67	134	507934	25.64	PPBV		88
93)	HEXACHLOROBUTADIENE	21.83	225	555033	21.93	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.33	180	311622	24.80	PPBV		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26581.D Vial: 2
Acq On : 5 Apr 2010 3:40 pm Operator: yunxiac
Sample : ic1118-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 16:36:48 2010
Response via : Initial Calibration



ACCUTEST JA45152 Laboratories

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 04/08/10 08:50

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:07:49 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	308723	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1317314	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	524561	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	524561	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	224534	4.32	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	31015	0.26	PPBV		98
4) FREON 152A	4.98	65	6692	0.26	PPBV		75
5) CHLORODIFLUOROMETHANE	5.02	67	3972m	0.32	PPBV		
6) PROPYLENE	5.04	41	8621	0.26	PPBV		88
8) FREON 114	5.32	85	33295	0.26	PPBV		94
9) CHLOROMETHANE	5.24	52	3169	0.24	PPBV	#	13
10) VINYL CHLORIDE	5.45	62	10930	0.24	PPBV		96
11) 1,3-BUTADIENE	5.56	54	8279	0.24	PPBV	#	57
12) n-BUTANE	5.58	43	21518	0.30	PPBV	#	96
13) BROMOMETHANE	5.80	94	12594	0.26	PPBV		96
14) CHLOROETHANE	5.94	64	5433	0.23	PPBV	#	47
15) FREON 123	6.35	83	26224	0.27	PPBV	#	99
16) FREON 123A	6.40	117	16811	0.26	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.59	101	31510	0.26	PPBV		98
18) ISOPROPYL ALCOHOL	6.77	45	16317	0.25	PPBV	#	62
19) ACETONE	6.52	58	4856	0.30	PPBV		99
20) PENTANE	6.85	42	11552	0.26	PPBV		93
23) IODOMETHANE	7.12	142	27818	0.24	PPBV		95
24) 1,1-DICHLOROETHYLENE	7.16	96	11525	0.28	PPBV		88
25) CARBON DISULFIDE	7.56	76	29048	0.26	PPBV		87
26) ETHANOL	6.10	45	5189	0.34	PPBV	#	90
27) BROMOETHENE	6.24	106	10922	0.23	PPBV	#	95
28) METHYLENE CHLORIDE	7.30	84	10197	0.29	PPBV		93
29) 3-CHLOROPROPENE	7.37	76	4219	0.24	PPBV	#	54
30) FREON 113	7.47	151	20408	0.27	PPBV		97
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	10842	0.26	PPBV		91
32) TERTIARY BUTYL ALCOHOL	7.33	59	18684	0.24	PPBV	#	70
33) METHYL TERTIARY BUTYL ETHE	8.39	73	28469	0.28	PPBV		95
34) TETRAHYDROFURAN	9.90	72	4061	0.27	PPBV		95
35) HEXANE	9.19	57	13547	0.26	PPBV		88
36) VINYL ACETATE	8.45	86	1594	0.22	PPBV	#	47
37) 1,1-DICHLOROETHANE	8.32	63	19429	0.28	PPBV		90
38) METHYL ETHYL KETONE	8.75	72	4117	0.26	PPBV	#	50
39) cis-1,2-DICHLOROETHYLENE	9.15	96	11370	0.27	PPBV		87
40) ETHYL ACETATE	9.36	61	1825	0.26	PPBV	#	68
41) CHLOROFORM	9.40	83	20713	0.26	PPBV	#	81
42) 2,4-DIMETHYLPENTANE	10.03	57	17138	0.25	PPBV		96
43) 1,1,1-TRICHLOROETHANE	10.35	97	25164	0.27	PPBV		97
44) CARBON TETRACHLORIDE	10.96	117	24398	0.26	PPBV		97
45) 1,2-DICHLOROETHANE	10.12	62	14197	0.26	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:07:49 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	28334	0.26	PPBV		98
48)	CYCLOHEXANE	11.02	84	16686	0.26	PPBV		97
49)	2,3-DIMETHYLPENTANE	11.18	71	7475	0.28	PPBV	#	1
50)	TRICHLOROETHYLENE	11.86	95	12256	0.26	PPBV		92
51)	1,2-DICHLOROPROPANE	11.61	63	9073	0.25	PPBV		96
52)	BROMODICHLOROMETHANE	11.84	83	18561	0.25	PPBV	#	95
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	41578	0.26	PPBV		98
54)	1,4-DIOXANE	12.02	88	5684	0.26	PPBV	#	1
55)	METHYL METHACRYLATE	12.08	69	4469	0.18	PPBV	#	53
56)	HEPTANE	12.02	43	14908	0.25	PPBV		87
58)	METHYL ISOBUTYL KETONE	12.82	43	10101	0.19	PPBV	#	46
59)	cis-1,3-DICHLOROPROPENE	12.75	75	12636	0.23	PPBV		93
60)	TOLUENE	13.75	92	18022	0.25	PPBV		94
61)	trans-1,3-DICHLOROPROPENE	13.29	75	8169	0.19	PPBV		89
62)	1,1,2-TRICHLOROETHANE	13.48	83	7226	0.23	PPBV		95
64)	2-HEXANONE	14.06	58	3378	0.15	PPBV	#	71
65)	TETRACHLOROETHYLENE	14.94	164	12581	0.25	PPBV		98
66)	DIBROMOCHLOROMETHANE	14.24	129	14256	0.21	PPBV		93
67)	1,2-DIBROMOETHANE	14.46	107	10902	0.22	PPBV		91
68)	OCTANE	14.66	43	15823	0.24	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	12146	0.24	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	16477	0.24	PPBV		99
71)	ETHYLBENZENE	16.06	91	30289	0.26	PPBV		95
72)	m,p-XYLENE	16.26	106	23789	0.50	PPBV	#	88
73)	o-XYLENE	16.79	106	12118	0.25	PPBV		90
74)	STYRENE	16.68	104	9697	0.18	PPBV		94
75)	NONANE	16.91	43	13653	0.24	PPBV		94
76)	BROMOFORM	16.41	173	9390	0.20	PPBV		92
78)	1,1,2,2-TETRACHLOROETHANE	16.81	83	12399	0.24	PPBV		96
79)	ISOPROPYLBENZENE	17.43	105	36600	0.28	PPBV		98
80)	2-CHLOROTOLUENE	18.00	126	7779	0.25	PPBV	#	86
81)	n-PROPYLBENZENE	18.00	120	7098	0.22	PPBV	#	46
82)	4-ETHYLTOLUENE	18.15	105	18348	0.20	PPBV		95
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	20231	0.23	PPBV		93
84)	TERT-BUTYLBENZENE	18.70	134	4726	0.20	PPBV	#	50
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	18689	0.25	PPBV		99
86)	m-DICHLOROBENZENE	18.92	146	8108	0.20	PPBV		97
87)	BENZYL CHLORIDE	18.92	91	9383	0.22	PPBV		94
88)	p-DICHLOROBENZENE	19.00	146	9139	0.23	PPBV		90
89)	SEC-BUTYLBENZENE	19.01	134	5706	0.21	PPBV		74
90)	p-ISOPROPYLTOLUENE	19.18	134	5274	0.20	PPBV		82
91)	o-DICHLOROBENZENE	19.41	146	9973	0.24	PPBV		100
92)	n-BUTYLBENZENE	19.66	134	3749	0.20	PPBV	#	62
93)	HEXACHLOROBUTADIENE	21.83	225	5554	0.23	PPBV		91
94)	1,2,4-TRICHLOROBENZENE	21.32	180	3650	0.30	PPBV	#	73

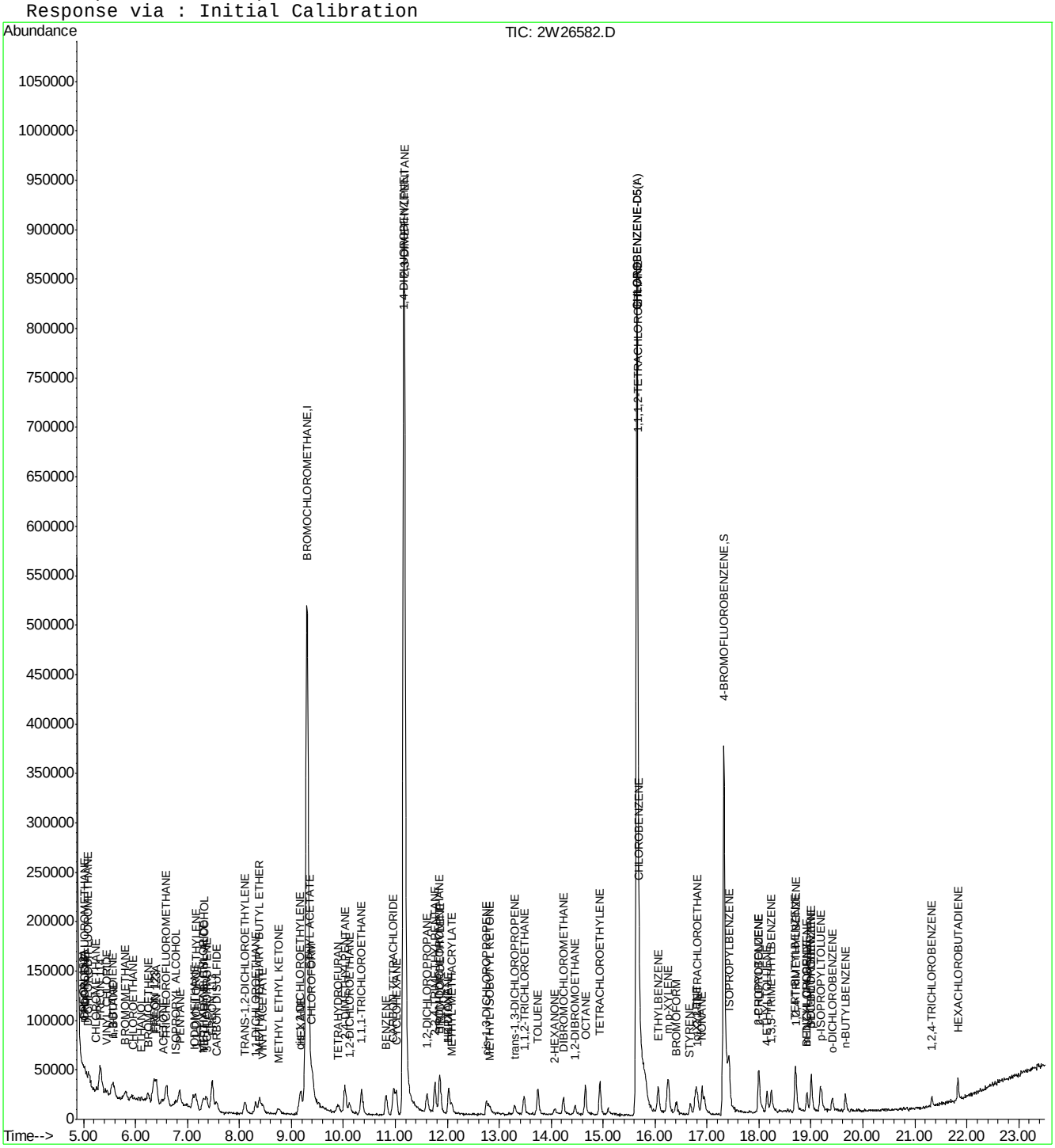
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26582.D Vial: 4
Acq On : 5 Apr 2010 5:06 pm Operator: yunxiac
Sample : ic1118-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:22 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration

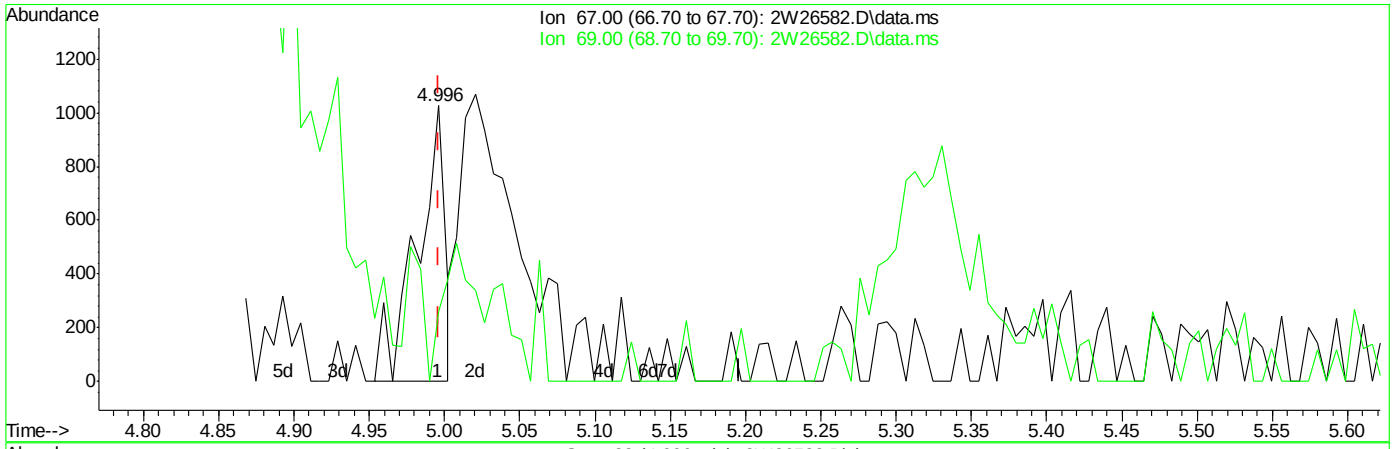


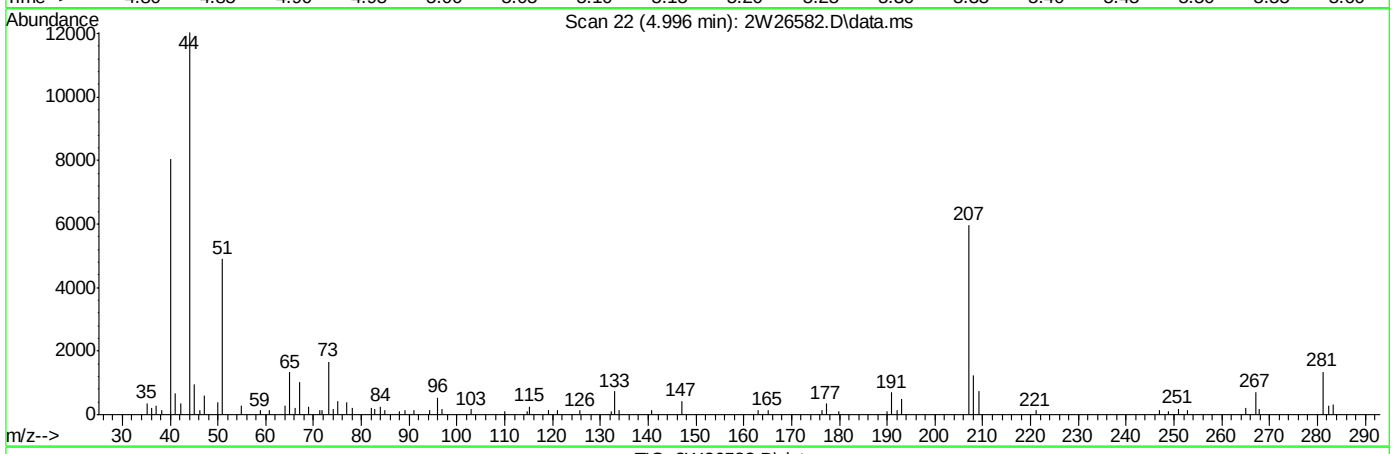
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2W\
Data File : 2W26582.D
Acq On : 5 Apr 2010 5:06 pm
Operator : yunxiac
Sample : ic1118-0.2
Misc : MS94636,V2W1118,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 07 10:05:00 2010
Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M
Quant Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration





TIC: 2W26582.D\data.ms

(5) CHLORODIFLUOROMETHANE

4.996min (-0.000) 0.11PPBV

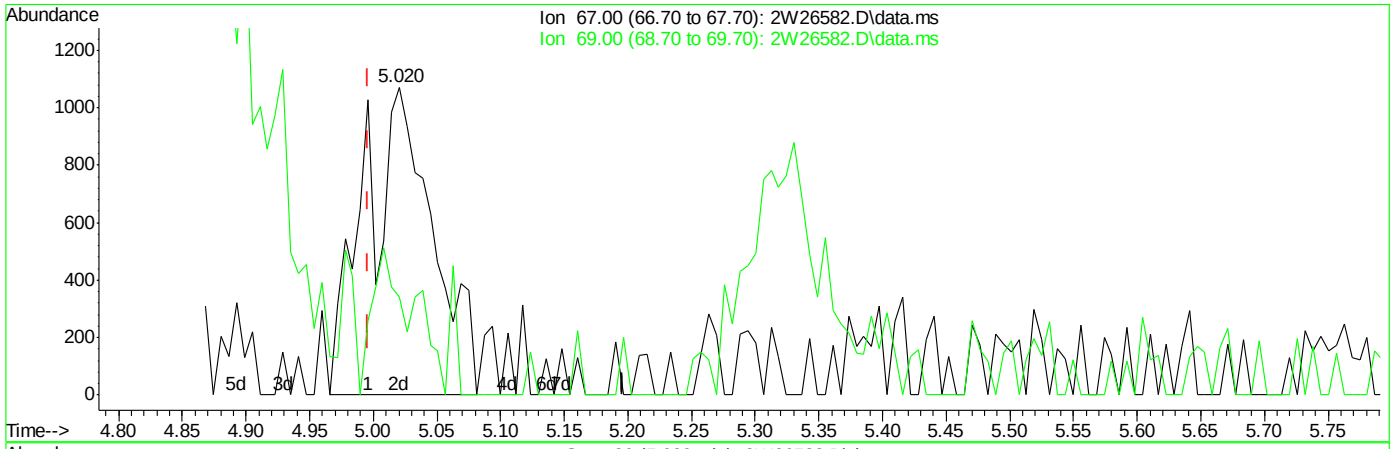
response 1334

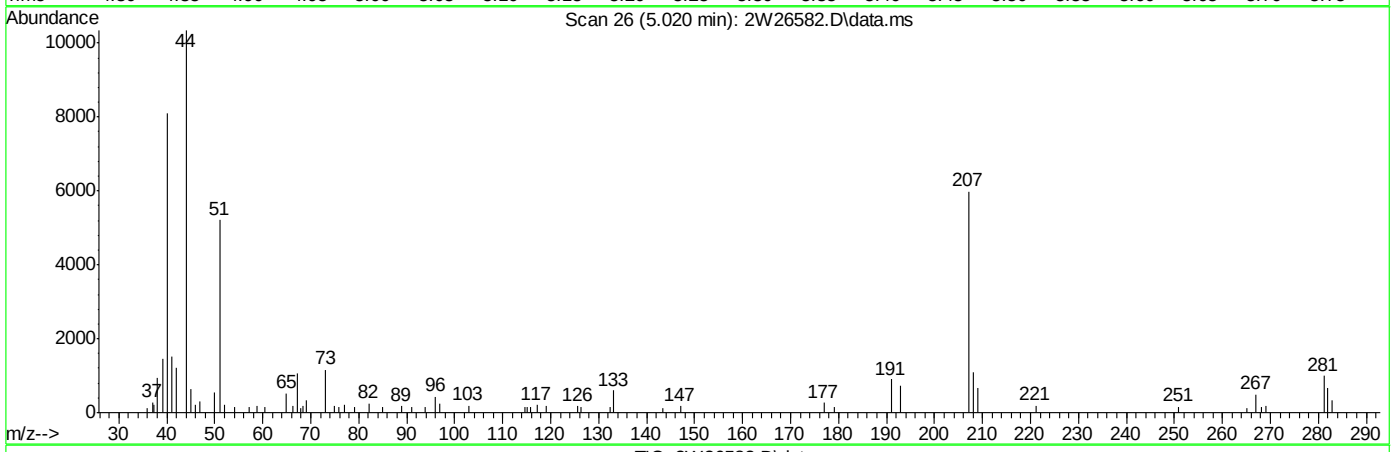
Ion	Exp%	Act%
67.00	100	100
69.00	36.70	25.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2W\2w-need print\
Data File : 2W26582.D
Acq On : 5 Apr 2010 5:06 pm
Operator : yunxiac
Sample : ic1118-0.2
Misc : MS94636,V2W1118,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 07 10:05:48 2010
Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M
Quant Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 06 08:07:43 2010
Response via : Initial Calibration





TIC: 2W26582.D\data.ms

(5) CHLORODIFLUOROMETHANE

5.020min (+0.024) 0.32PPBV m

response 3972

Ion	Exp%	Act%
67.00	100	100
69.00	36.70	8.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:16:30 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:16:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.31	128	308704	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1339907	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	520785	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	520785	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	215447	4.17	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	15369	0.13	PPBV		94
4) FREON 152A	4.98	65	3904	0.15	PPBV	#	42
5) CHLORODIFLUOROMETHANE	5.00	67	1826	0.15	PPBV		87
6) PROPYLENE	5.04	41	3853	0.12	PPBV	#	71
8) FREON 114	5.33	85	16745	0.13	PPBV		96
9) CHLOROMETHANE	5.27	52	1367	0.11	PPBV	#	1
10) VINYL CHLORIDE	5.45	62	5162	0.12	PPBV	#	53
11) 1,3-BUTADIENE	5.56	54	4383	0.13	PPBV	#	42
12) n-BUTANE	5.58	43	9682	0.13	PPBV	#	71
13) BROMOMETHANE	5.81	94	5534	0.12	PPBV		85
14) CHLOROETHANE	5.93	64	2819	0.12	PPBV	#	72
15) FREON 123	6.36	83	13251	0.14	PPBV	#	90
16) FREON 123A	6.40	117	8549	0.13	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	15867	0.13	PPBV		98
18) ISOPROPYL ALCOHOL	6.85	45	6850	0.10	PPBV	#	1
19) ACETONE	6.53	58	1965	0.12	PPBV	#	83
20) PENTANE	6.86	42	5695	0.13	PPBV	#	71
23) IODOMETHANE	7.13	142	14507	0.12	PPBV	#	75
24) 1,1-DICHLOROETHYLENE	7.19	96	6035	0.14	PPBV	#	74
25) CARBON DISULFIDE	7.58	76	14300	0.13	PPBV		99
27) BROMOETHENE	6.26	106	3723	0.08	PPBV	#	66
28) METHYLENE CHLORIDE	7.30	84	5937	0.17	PPBV		97
29) 3-CHLOROPROPENE	7.37	76	1507	0.09	PPBV	#	16
30) FREON 113	7.49	151	10172	0.14	PPBV	#	63
31) TRANS-1,2-DICHLOROETHYLENE	8.12	96	2582	0.06	PPBV	#	5
32) TERTIARY BUTYL ALCOHOL	7.44	59	7642	0.10	PPBV	#	62
33) METHYL TERTIARY BUTYL ETHE	8.43	73	15165	0.15	PPBV		90
34) TETRAHYDROFURAN	9.95	72	1681	0.11	PPBV	#	1
35) HEXANE	9.19	57	6459	0.12	PPBV		91
37) 1,1-DICHLOROETHANE	8.32	63	8946	0.13	PPBV		94
38) METHYL ETHYL KETONE	8.79	72	1057	0.07	PPBV	#	39
39) cis-1,2-DICHLOROETHYLENE	9.16	96	5871	0.14	PPBV	#	73
40) ETHYL ACETATE	9.39	61	771	0.11	PPBV	#	47
41) CHLOROFORM	9.41	83	9175	0.11	PPBV	#	84
42) 2,4-DIMETHYLPENTANE	10.03	57	3568	0.05	PPBV	#	1
43) 1,1,1-TRICHLOROETHANE	10.36	97	12376	0.13	PPBV		96
44) CARBON TETRACHLORIDE	10.98	117	12561	0.13	PPBV		95
45) 1,2-DICHLOROETHANE	10.12	62	6486	0.12	PPBV		91
47) BENZENE	10.82	78	12582	0.12	PPBV		94
48) CYCLOHEXANE	11.02	84	9308	0.14	PPBV		94

(#) = qualifier out of range (m) = manual integration
2W26583.D M2W1118.M Wed Apr 07 09:27:31 2010 MS2W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:16:30 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:16:27 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

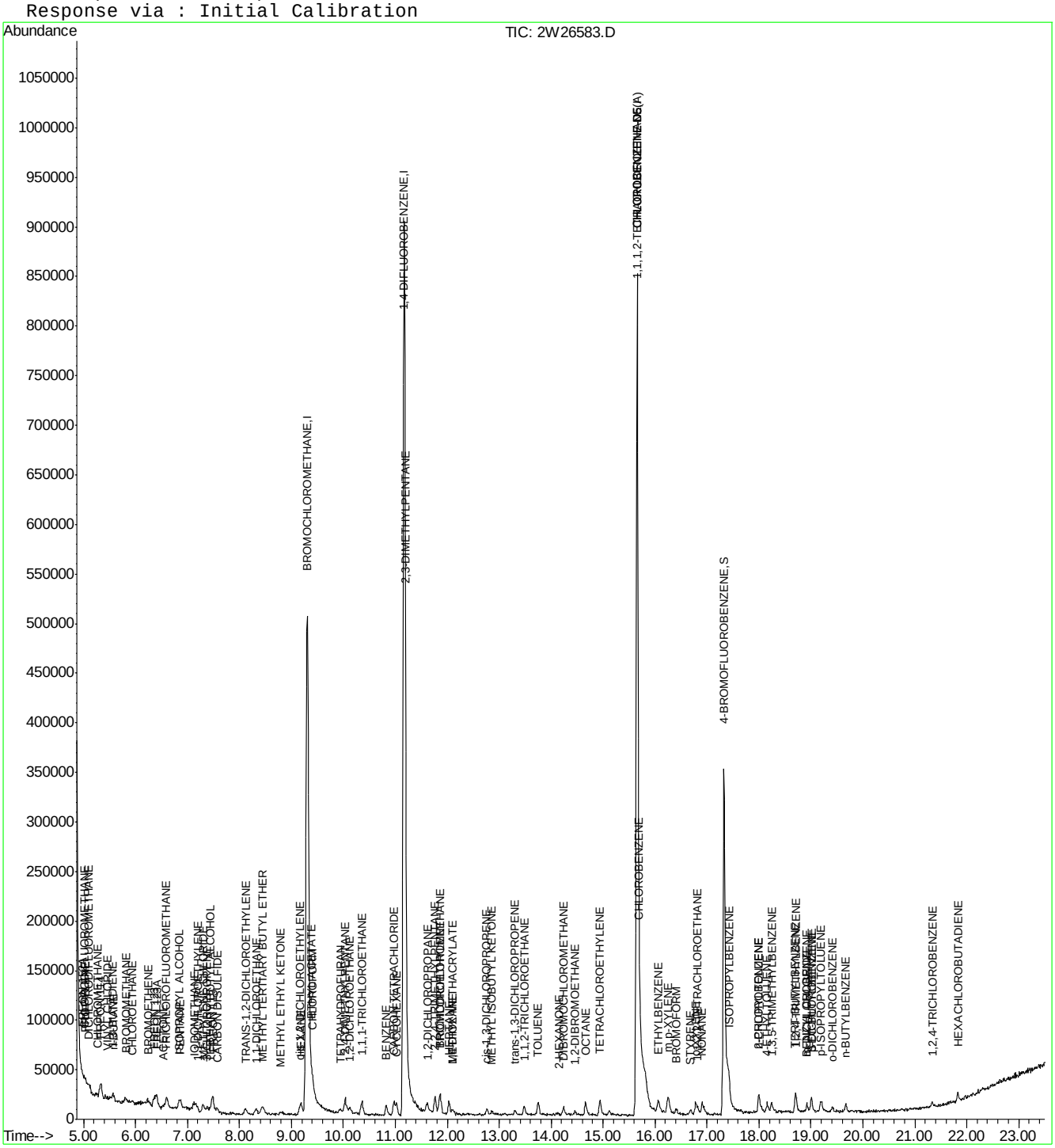
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	2,3-DIMETHYLPENTANE	11.20	71	2406	0.09	PPBV	#	1
50)	TRICHLOROETHYLENE	11.86	95	6337	0.13	PPBV		89
51)	1,2-DICHLOROPROPANE	11.63	63	4835	0.13	PPBV		90
52)	BROMODICHLOROMETHANE	11.85	83	10192	0.14	PPBV		86
53)	2,2,4-TRIMETHYLPENTANE	11.76	57	21540	0.13	PPBV		96
54)	1,4-DIOXANE	12.11	88	2420	0.11	PPBV	#	81
55)	METHYL METHACRYLATE	12.11	69	1895	0.07	PPBV	#	1
56)	HEPTANE	12.03	43	6952	0.12	PPBV		93
58)	METHYL ISOBUTYL KETONE	12.84	43	3427	0.06	PPBV	#	69
59)	cis-1,3-DICHLOROPROPENE	12.76	75	5844	0.11	PPBV		86
60)	TOLUENE	13.75	92	8717	0.12	PPBV		97
61)	trans-1,3-DICHLOROPROPENE	13.29	75	4254	0.10	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.48	83	3292	0.10	PPBV		97
64)	2-HEXANONE	14.15	58	920	0.04	PPBV	#	1
65)	TETRACHLOROETHYLENE	14.94	164	6225	0.13	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.24	129	6891	0.10	PPBV		92
67)	1,2-DIBROMOETHANE	14.46	107	4850	0.10	PPBV		93
68)	OCTANE	14.66	43	7946	0.12	PPBV		90
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	5567	0.11	PPBV	#	1
70)	CHLOROBENZENE	15.70	112	7842	0.11	PPBV	#	38
71)	ETHYLBENZENE	16.06	91	13090	0.11	PPBV		96
72)	m,p-XYLENE	16.24	106	10234	0.22	PPBV		91
73)	o-XYLENE	16.78	106	5631	0.12	PPBV		98
74)	STYRENE	16.67	104	3999	0.08	PPBV	#	32
75)	NONANE	16.91	43	5617	0.10	PPBV		91
76)	BROMOFORM	16.41	173	4134	0.09	PPBV		88
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	5081	0.10	PPBV	#	92
79)	ISOPROPYLBENZENE	17.43	105	14592	0.11	PPBV		94
80)	2-CHLOROTOLUENE	18.00	126	3355	0.11	PPBV	#	86
81)	n-PROPYLBENZENE	17.99	120	2383	0.07	PPBV	#	1
82)	4-ETHYLTOLUENE	18.15	105	8847	0.10	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	9067	0.11	PPBV		81
84)	TERT-BUTYLBENZENE	18.70	134	2081	0.09	PPBV	#	63
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	8115	0.11	PPBV		91
86)	m-DICHLOROBENZENE	18.92	146	3846	0.10	PPBV		85
87)	BENZYL CHLORIDE	18.92	91	3848	0.09	PPBV		85
88)	p-DICHLOROBENZENE	19.01	146	3935	0.10	PPBV		83
89)	SEC-BUTYLBENZENE	19.01	134	2136	0.08	PPBV	#	54
90)	p-ISOPROPYLTOLUENE	19.18	134	2077	0.08	PPBV		80
91)	o-DICHLOROBENZENE	19.41	146	4219	0.10	PPBV	#	68
92)	n-BUTYLBENZENE	19.68	134	1545	0.08	PPBV	#	61
93)	HEXACHLOROBUTADIENE	21.83	225	2393	0.10	PPBV		89
94)	1,2,4-TRICHLOROBENZENE	21.34	180	2640	0.21	PPBV		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26583.D Vial: 4
Acq On : 5 Apr 2010 5:49 pm Operator: yunxiac
Sample : ic1118-0.1 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:26 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:17:14 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:17:08 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	280710	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1155169	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	458858	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	458858	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.33	95	186823	4.19	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.80%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.11	85	6388	0.06	PPBV		99
4) FREON 152A	4.98	65	809	0.03	PPBV	#	52
5) CHLORODIFLUOROMETHANE	4.99	67	584	0.05	PPBV	#	1
8) FREON 114	5.32	85	6109	0.05	PPBV	#	78
10) VINYL CHLORIDE	5.43	62	981	0.02	PPBV	#	37
11) 1,3-BUTADIENE	5.55	54	1322	0.04	PPBV	#	15
12) n-BUTANE	5.57	43	5760	0.08	PPBV	#	85
13) BROMOMETHANE	5.81	94	2866	0.06	PPBV	#	12
15) FREON 123	6.35	83	4324	0.05	PPBV	#	92
16) FREON 123A	6.40	117	2863	0.05	PPBV	#	36
17) TRICHLOROFLUOROMETHANE	6.60	101	5739	0.05	PPBV	#	64
18) ISOPROPYL ALCOHOL	6.80	45	2486	0.04	PPBV	#	1
19) ACETONE	6.55	58	430	0.03	PPBV		98
23) IODOMETHANE	7.12	142	4898	0.04	PPBV		94
24) 1,1-DICHLOROETHYLENE	7.16	96	2389	0.06	PPBV	#	60
25) CARBON DISULFIDE	7.56	76	5384	0.05	PPBV	#	86
27) BROMOETHENE	6.25	106	1763	0.04	PPBV		91
28) METHYLENE CHLORIDE	7.29	84	2435	0.07	PPBV	#	9
29) 3-CHLOROPROPENE	7.36	76	1031	0.07	PPBV	#	56
30) FREON 113	7.46	151	3364	0.05	PPBV	#	36
31) TRANS-1,2-DICHLOROETHYLENE	8.13	96	2162	0.06	PPBV	#	1
33) METHYL TERTIARY BUTYL ETHE	8.41	73	2835	0.03	PPBV		86
35) HEXANE	9.18	57	1363	0.03	PPBV	#	79
37) 1,1-DICHLOROETHANE	8.31	63	2766	0.04	PPBV		96
39) cis-1,2-DICHLOROETHYLENE	9.16	96	1929	0.05	PPBV	#	75
41) CHLOROFORM	9.40	83	3340	0.04	PPBV	#	86
42) 2,4-DIMETHYLPENTANE	10.03	57	2696	0.05	PPBV	#	88
43) 1,1,1-TRICHLOROETHANE	10.35	97	4378	0.05	PPBV		95
44) CARBON TETRACHLORIDE	10.97	117	4194	0.05	PPBV	#	79
45) 1,2-DICHLOROETHANE	10.13	62	2014	0.04	PPBV	#	95
47) BENZENE	10.82	78	4213	0.04	PPBV		81
48) CYCLOHEXANE	11.04	84	1246	0.02	PPBV	#	31
49) 2,3-DIMETHYLPENTANE	11.19	71	2198	0.10	PPBV	#	1
50) TRICHLOROETHYLENE	11.86	95	2259	0.05	PPBV	#	82
52) BROMODICHLOROMETHANE	11.84	83	2840	0.04	PPBV		93
53) 2,2,4-TRIMETHYLPENTANE	11.77	57	6617	0.05	PPBV		87
55) METHYL METHACRYLATE	12.10	69	565	0.03	PPBV	#	1
56) HEPTANE	12.02	43	3518	0.07	PPBV	#	68
60) TOLUENE	13.75	92	2195	0.03	PPBV	#	79
61) trans-1,3-DICHLOROPROPENE	13.28	75	1572	0.04	PPBV	#	32

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 08:17:14 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 08:17:08 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

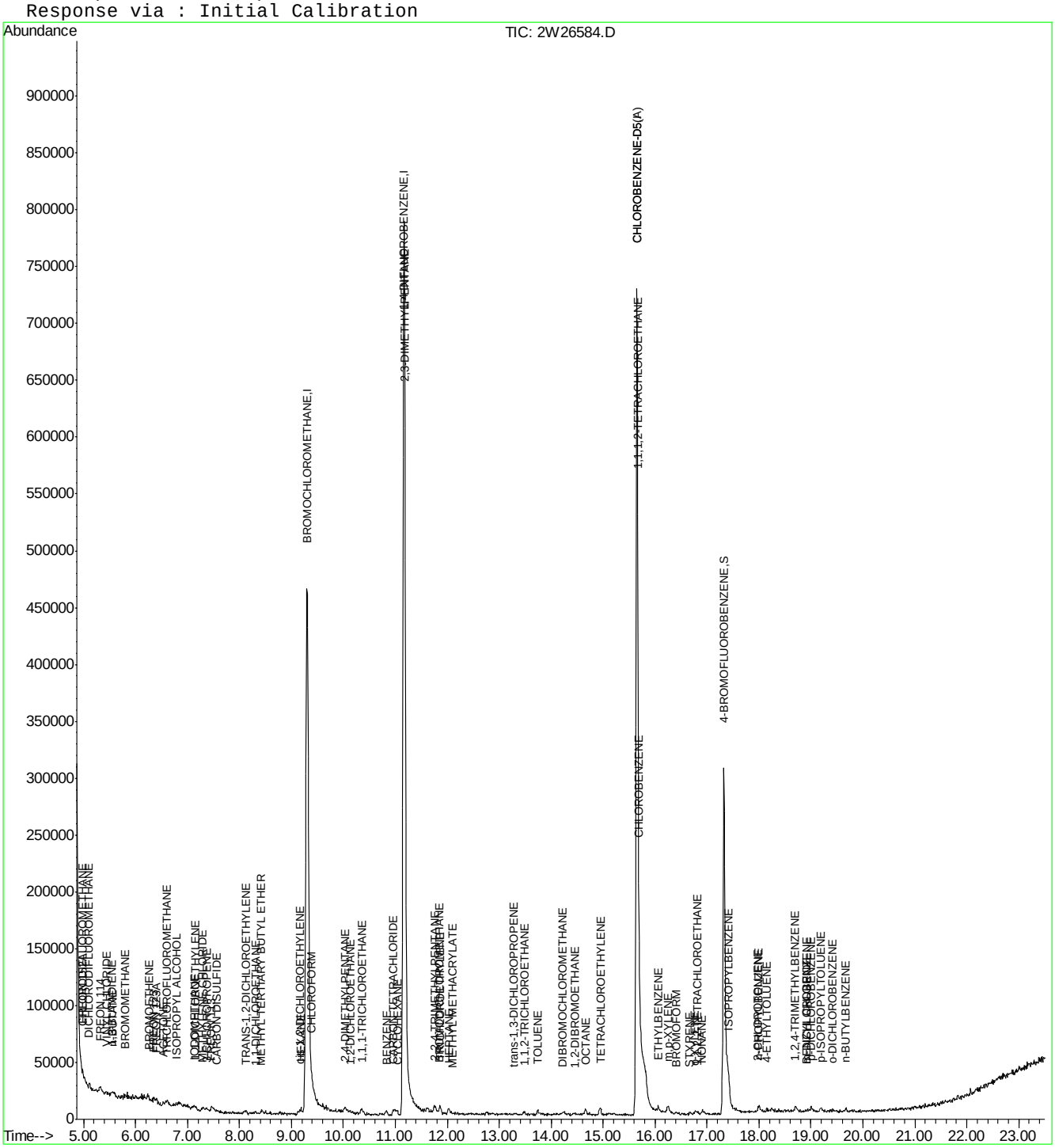
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
62)	1,1,2-TRICHLOROETHANE	13.48	83	866	0.03	PPBV	#	46
65)	TETRACHLOROETHYLENE	14.95	164	2049	0.05	PPBV	#	42
66)	DIBROMOCHLOROMETHANE	14.22	129	1966	0.03	PPBV		88
67)	1,2-DIBROMOETHANE	14.46	107	1306	0.03	PPBV	#	85
68)	OCTANE	14.65	43	2488	0.04	PPBV	#	85
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	1670	0.04	PPBV	#	1
70)	CHLOROBENZENE	15.69	112	1886	0.03	PPBV	#	47
71)	ETHYLBENZENE	16.06	91	3820	0.04	PPBV	#	50
72)	m,p-XYLENE	16.24	106	3185	0.08	PPBV	#	81
73)	o-XYLENE	16.76	106	1026	0.02	PPBV	#	34
74)	STYRENE	16.67	104	950	0.02	PPBV	#	65
75)	NONANE	16.91	43	1784	0.04	PPBV	#	79
76)	BROMOFORM	16.41	173	1122	0.03	PPBV	#	74
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	1171	0.03	PPBV		84
79)	ISOPROPYLBENZENE	17.42	105	3934	0.03	PPBV		86
80)	2-CHLOROTOLUENE	17.98	126	1183	0.04	PPBV	#	65
81)	n-PROPYLBENZENE	18.00	120	662	0.02	PPBV	#	1
82)	4-ETHYLTOLUENE	18.15	105	2351	0.03	PPBV	#	88
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	2343	0.04	PPBV	#	87
86)	m-DICHLOROBENZENE	18.92	146	1009	0.03	PPBV	#	54
87)	BENZYL CHLORIDE	18.92	91	1329	0.04	PPBV		67
88)	p-DICHLOROBENZENE	19.00	146	1407	0.04	PPBV	#	77
90)	p-ISOPROPYLTOLUENE	19.18	134	627	0.03	PPBV		82
91)	o-DICHLOROBENZENE	19.41	146	1326	0.04	PPBV		97
92)	n-BUTYLBENZENE	19.66	134	516	0.03	PPBV		82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26584.D Vial: 5
Acq On : 5 Apr 2010 6:32 pm Operator: yunxiac
Sample : ic1118-0.04 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:33 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 06:16:18 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:33:15 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.32	128	268015	10.00	PPBV		0.02
46) 1,4-DIFLUOROBENZENE	11.18	114	1197825	10.00	PPBV		0.02
63) CHLOROBENZENE-D5	15.66	82	637497	10.00	PPBV		0.01
95) CHLOROBENZENE-D5(A)	15.66	82	637369	10.00	PPBV		0.01
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.34	95	332891	5.32	PPBV		0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	3358988	30.98	PPBV		91
4) FREON 152A	4.98	65	870260	38.39	PPBV		96
5) CHLORODIFLUOROMETHANE	5.02	67	484196	46.56	PPBV		96
6) PROPYLENE	5.04	41	1034788	35.13	PPBV		96
8) FREON 114	5.32	85	3259692	28.42	PPBV		91
9) CHLOROMETHANE	5.26	52	440893	39.05	PPBV		90
10) VINYL CHLORIDE	5.44	62	1452593	37.00	PPBV		97
11) 1,3-BUTADIENE	5.55	54	1155094	38.93	PPBV		95
12) n-BUTANE	5.58	43	2025434	31.11	PPBV		96
13) BROMOMETHANE	5.81	94	1526294	36.28	PPBV		97
14) CHLOROETHANE	5.94	64	861417	42.21	PPBV		99
15) FREON 123	6.35	83	2827649	32.58	PPBV	#	94
16) FREON 123A	6.41	117	2019922	35.88	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.60	101	3457657	31.51	PPBV		92
18) ISOPROPYL ALCOHOL	6.71	45	2432864	42.71	PPBV		98
19) ACETONE	6.47	58	626431	44.80	PPBV		91
20) PENTANE	6.85	42	1427425	36.08	PPBV		99
23) IODOMETHANE	7.12	142	3452182	32.94	PPBV		90
24) 1,1-DICHLOROETHYLENE	7.17	96	1278876	34.49	PPBV		97
25) CARBON DISULFIDE	7.57	76	3248449	31.99	PPBV		92
26) ETHANOL	6.09	45	638733	50.42	PPBV		99
27) BROMOETHENE	6.25	106	1556448	37.56	PPBV		97
28) METHYLENE CHLORIDE	7.30	84	1121453	35.86	PPBV		98
29) 3-CHLOROPROPENE	7.37	76	621868	41.06	PPBV		96
30) FREON 113	7.48	151	2136140	31.88	PPBV		97
31) TRANS-1,2-DICHLOROETHYLENE	8.12	96	1415077	38.23	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.23	59	2750946	40.09	PPBV		94
33) METHYL TERTIARY BUTYL ETHE	8.32	73	3369575	37.40	PPBV		95
34) TETRAHYDROFURAN	9.80	72	508751	38.34	PPBV	#	75
35) HEXANE	9.19	57	1633681	35.13	PPBV		99
36) VINYL ACETATE	8.45	86	329616	54.65	PPBV	#	76
37) 1,1-DICHLOROETHANE	8.32	63	2089704	33.61	PPBV		92
38) METHYL ETHYL KETONE	8.69	72	685851	51.64	PPBV	#	78
39) cis-1,2-DICHLOROETHYLENE	9.16	96	1369765	37.85	PPBV		98
40) ETHYL ACETATE	9.30	61	327682	57.56	PPBV	#	77
41) CHLOROFORM	9.42	83	2596349	36.53	PPBV		92
42) 2,4-DIMETHYLPENTANE	10.04	57	2160963	36.34	PPBV		97
43) 1,1,1-TRICHLOROETHANE	10.36	97	2782725	33.22	PPBV		91
44) CARBON TETRACHLORIDE	10.98	117	2761246	32.48	PPBV		94
45) 1,2-DICHLOROETHANE	10.13	62	1965968	41.77	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 06:16:18 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Mon Apr 05 17:33:15 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

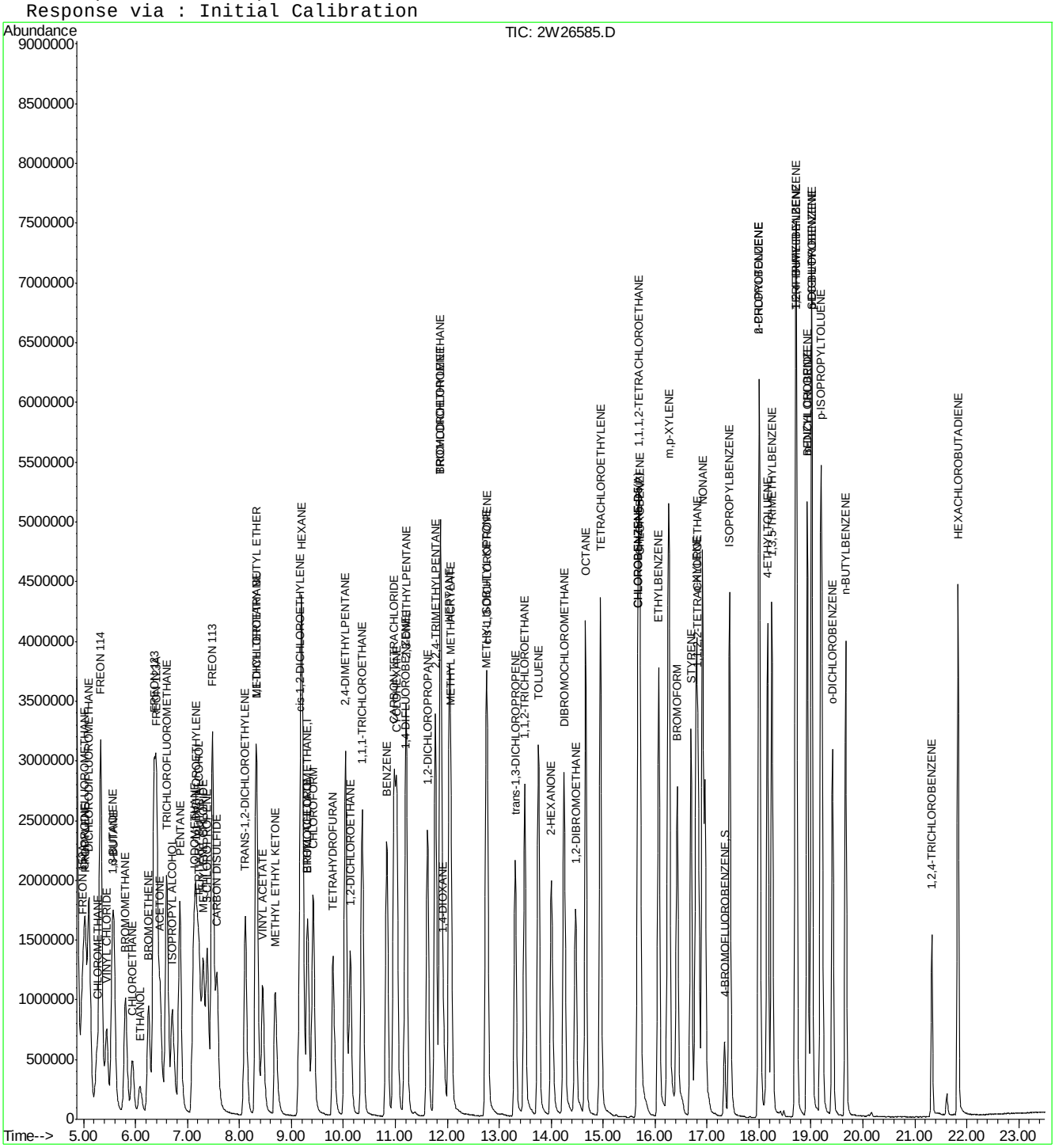
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.84	78	3319921	33.26	PPBV		92
48)	CYCLOHEXANE	11.03	84	2134989	36.18	PPBV		97
49)	2,3-DIMETHYLPENTANE	11.21	71	913302	37.31	PPBV		80
50)	TRICHLOROETHYLENE	11.88	95	1491107	34.61	PPBV		97
51)	1,2-DICHLOROPROPANE	11.62	63	1296274	39.40	PPBV		94
52)	BROMODICHLOROMETHANE	11.86	83	2340993	34.03	PPBV		93
53)	2,2,4-TRIMETHYLPENTANE	11.77	57	4103006	26.83	PPBV		86
54)	1,4-DIOXANE	11.93	88	891462	46.14	PPBV		97
55)	METHYL METHACRYLATE	12.07	69	1210102	55.20	PPBV		81
56)	HEPTANE	12.03	43	1803452	32.79	PPBV		92
58)	METHYL ISOBUTYL KETONE	12.74	43	2231437	47.28	PPBV		91
59)	cis-1,3-DICHLOROPROPENE	12.77	75	1971483	40.15	PPBV		91
60)	TOLUENE	13.76	92	2535921	38.84	PPBV		86
61)	trans-1,3-DICHLOROPROPENE	13.31	75	1922001	49.71	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.49	83	1185071	41.94	PPBV		98
64)	2-HEXANONE	14.00	58	1337343	52.76	PPBV		92
65)	TETRACHLOROETHYLENE	14.95	164	1680574	26.24	PPBV		94
66)	DIBROMOCHLOROMETHANE	14.25	129	2693491	32.02	PPBV		96
67)	1,2-DIBROMOETHANE	14.47	107	2112392	34.47	PPBV		96
68)	OCTANE	14.66	43	2196477	25.93	PPBV		90
69)	1,1,1,2-TETRACHLOROETHANE	15.68	131	1837041	29.07	PPBV	#	43
70)	CHLOROBENZENE	15.72	112	2554695	28.92	PPBV		89
71)	ETHYLBENZENE	16.07	91	3755607	25.18	PPBV		82
72)	m,p-XYLENE	16.26	106	3585412	59.60	PPBV	#	67
73)	o-XYLENE	16.79	106	1910364	31.48	PPBV	#	81
74)	STYRENE	16.69	104	2838616	45.17	PPBV		98
75)	NONANE	16.91	43	1997140	27.48	PPBV		89
76)	BROMOFORM	16.43	173	2239335	38.64	PPBV		93
78)	1,1,2,2-TETRACHLOROETHANE	16.83	83	2003781	31.43	PPBV		93
79)	ISOPROPYLBENZENE	17.43	105	3789616	22.45	PPBV		80
80)	2-CHLOROTOLUENE	18.00	126	1311288	33.51	PPBV	#	24
81)	n-PROPYLBENZENE	18.00	120	1397325	34.39	PPBV	#	23
82)	4-ETHYLTOLUENE	18.16	105	3278100	28.83	PPBV		81
83)	1,3,5-TRIMETHYLBENZENE	18.25	105	2970260	26.91	PPBV		84
84)	TERT-BUTYLBENZENE	18.71	134	1098032	36.92	PPBV	#	60
85)	1,2,4-TRIMETHYLBENZENE	18.72	105	2674433	28.10	PPBV		89
86)	m-DICHLOROBENZENE	18.93	146	1849757	37.46	PPBV		91
87)	BENZYL CHLORIDE	18.93	91	2061765	40.44	PPBV		92
88)	p-DICHLOROBENZENE	19.01	146	1750383	36.28	PPBV		92
89)	SEC-BUTYLBENZENE	19.02	134	1137242	34.17	PPBV	#	51
90)	p-ISOPROPYLTOLUENE	19.19	134	1239315	38.41	PPBV	#	63
91)	o-DICHLOROBENZENE	19.41	146	1727360	33.04	PPBV		92
92)	n-BUTYLBENZENE	19.67	134	1026004	44.70	PPBV	#	72
93)	HEXACHLOROBUTADIENE	21.84	225	1046051	34.54	PPBV		95
94)	1,2,4-TRICHLOROBENZENE	21.33	180	704779	49.80	PPBV		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26585.D Vial: 2
Acq On : 5 Apr 2010 7:15 pm Operator: yunxiac
Sample : ic1118-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 10:35 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26587.D Vial: 7
Acq On : 5 Apr 2010 10:06 pm Operator: yunxiac
Sample : nap-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:10:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:10:23 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	292745	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1233631	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	518707	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	518707	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	220001	4.45	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 89.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.48	128	4634	0.16	PPBV	77

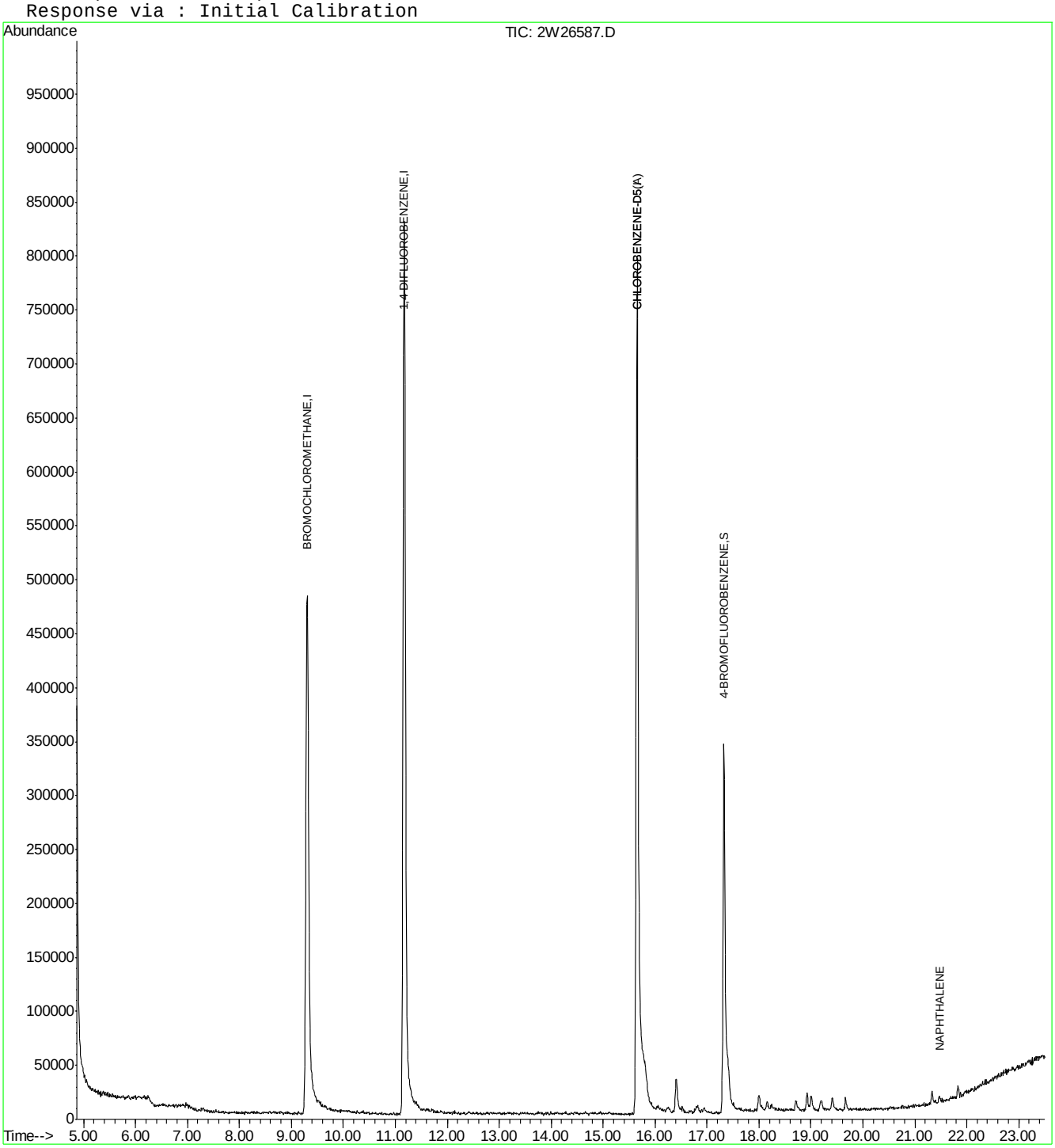
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26587.D Vial: 7
Acq On : 5 Apr 2010 10:06 pm Operator: yunxiac
Sample : nap-0.2 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:44:57 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26588.D Vial: 7
Acq On : 5 Apr 2010 10:49 pm Operator: yunxiac
Sample : nap-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:10:27 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:10:23 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

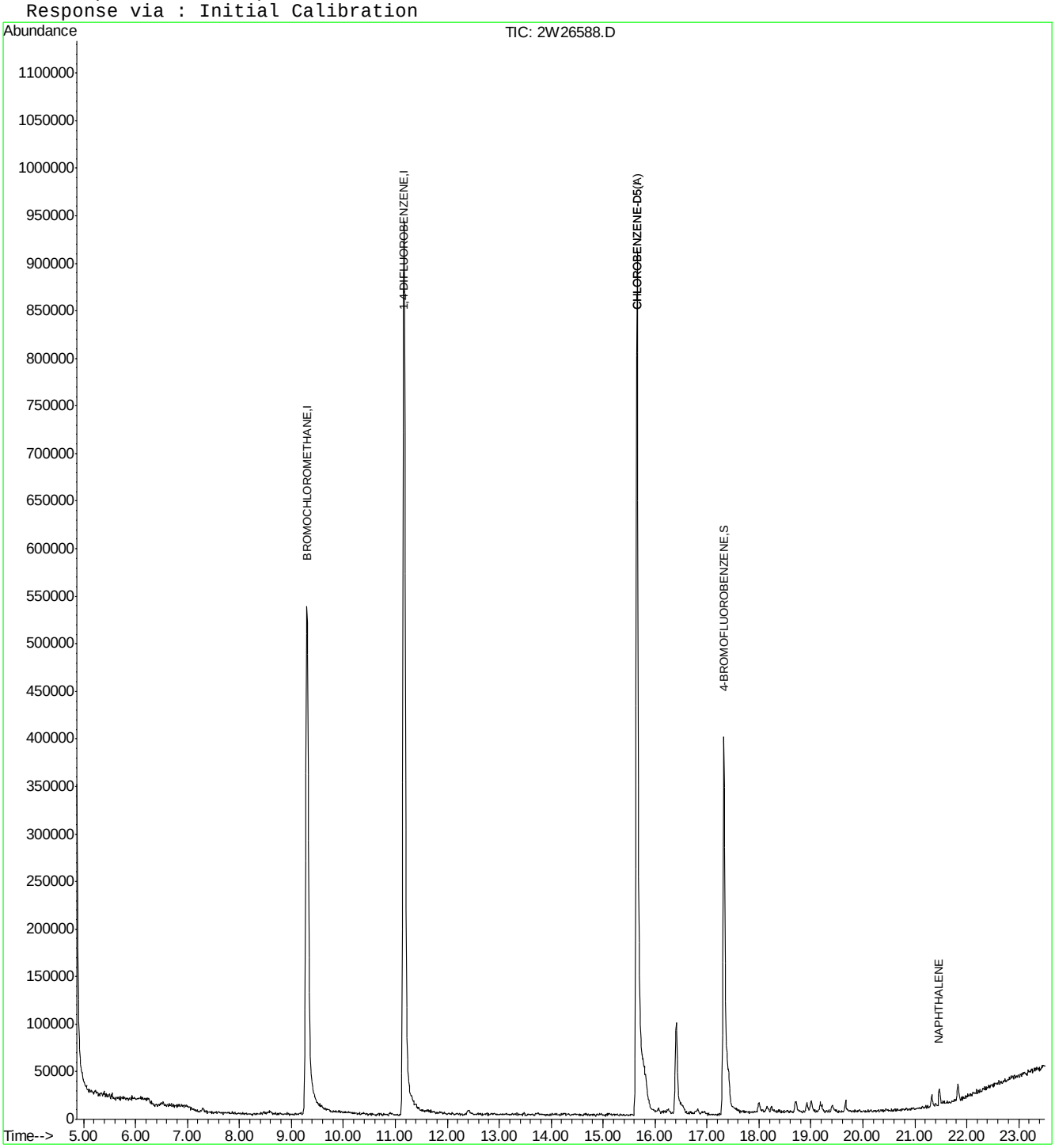
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	325486	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1378449	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	561963	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	562436	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	245684	4.59	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.46	128	19509	0.63	PPBV	# 98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26588.D M2W1118.M Wed Apr 07 09:38:24 2010 MS2W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26588.D Vial: 7
Acq On : 5 Apr 2010 10:49 pm Operator: yunxiac
Sample : nap-0.5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:32 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26589.D Vial: 6
Acq On : 5 Apr 2010 11:32 pm Operator: yunxiac
Sample : nap-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:24 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

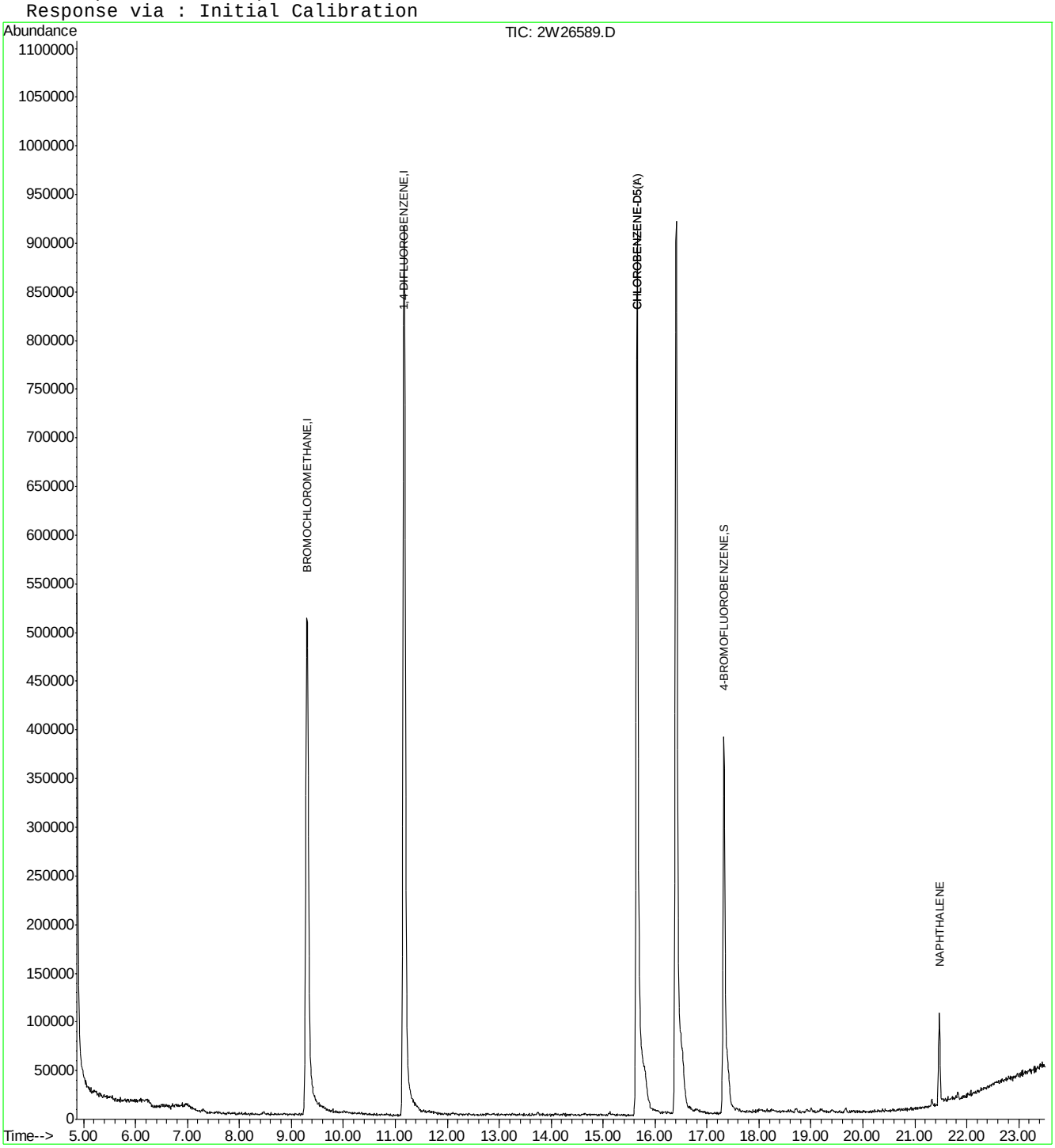
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	306063	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1332896	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	558998	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	558998	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	245878	4.61	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 92.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	108231	3.52	PPBV	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26589.D Vial: 6
Acq On : 5 Apr 2010 11:32 pm Operator: yunxiac
Sample : nap-5 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:32 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26590.D Vial: 6
Acq On : 6 Apr 2010 12:16 am Operator: yunxiac
Sample : nap-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:05 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	314308	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.16	114	1354673	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	563245	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	563599	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	257019	4.79	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	309723	10.00	PPBV	82

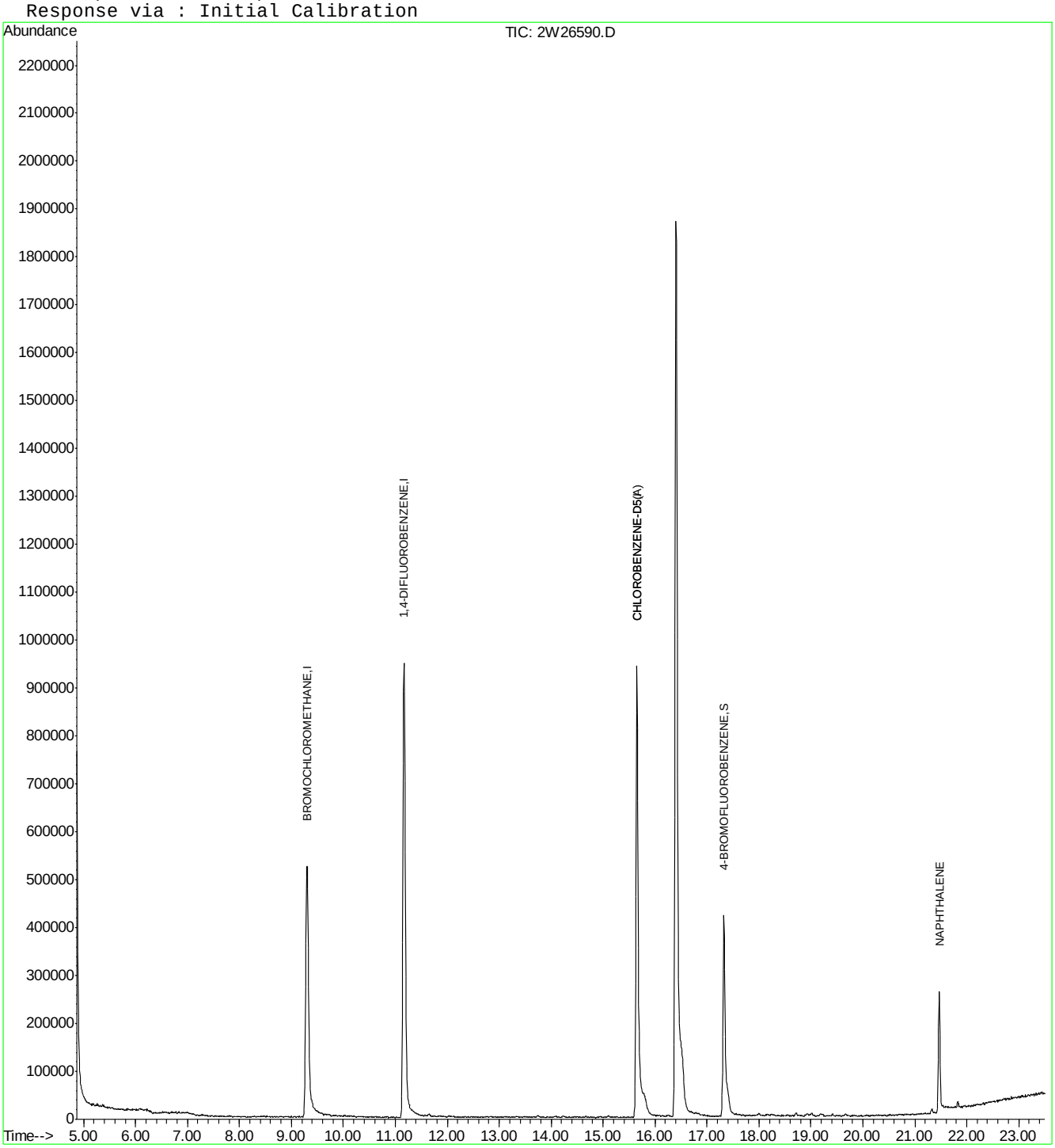
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26590.D Vial: 6
Acq On : 6 Apr 2010 12:16 am Operator: yunxiac
Sample : nap-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:33 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26591.D Vial: 6
Acq On : 6 Apr 2010 12:59 am Operator: yunxiac
Sample : nap-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:02:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	292108	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1221418	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	511500	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	511666	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	239409	4.91	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	845862	30.08	PPBV	78

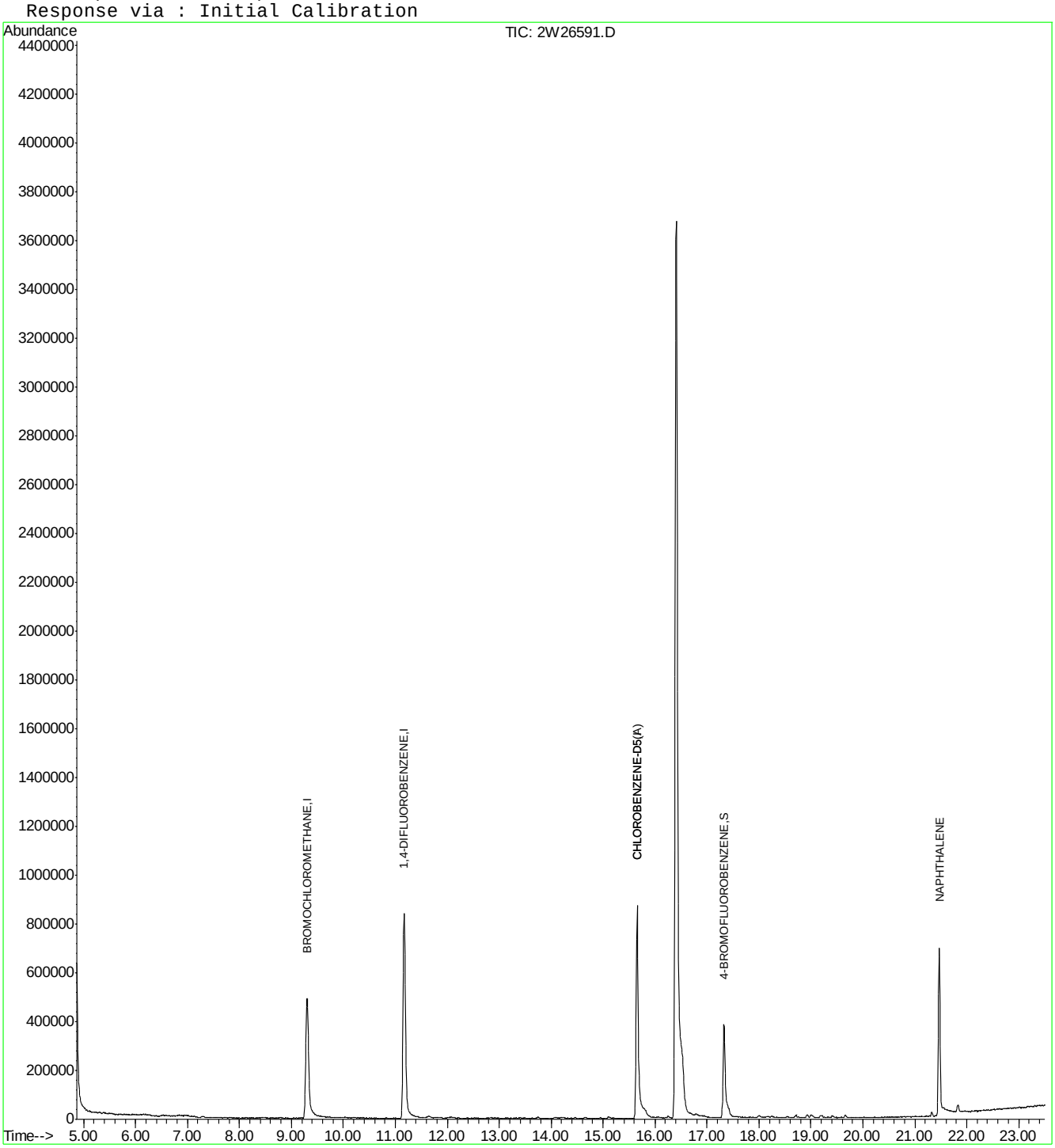
(#) = qualifier out of range (m) = manual integration (+) = signals summed
2W26591.D M2W1118.M Wed Apr 07 09:38:29 2010 MS2W

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26591.D Vial: 6
Acq On : 6 Apr 2010 12:59 am Operator: yunxiac
Sample : nap-20 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:34 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



2W26591.D M2W1118.M Wed Apr 07 09:38:30 2010 MS2W Page 2

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26592.D Vial: 6
Acq On : 6 Apr 2010 1:42 am Operator: yunxiac
Sample : nap-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 06 10:03:03 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 06 10:01:59 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	274293	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1208890	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.65	82	537205	10.00	PPBV	0.00
95) CHLOROBENZENE-D5(A)	15.65	82	537205	10.00	PPBV	0.00
System Monitoring Compounds						
77) 4-BROMOFLUOROBENZENE	17.33	95	266968	5.21	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 104.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	21.47	128	2029188	68.74	PPBV	71

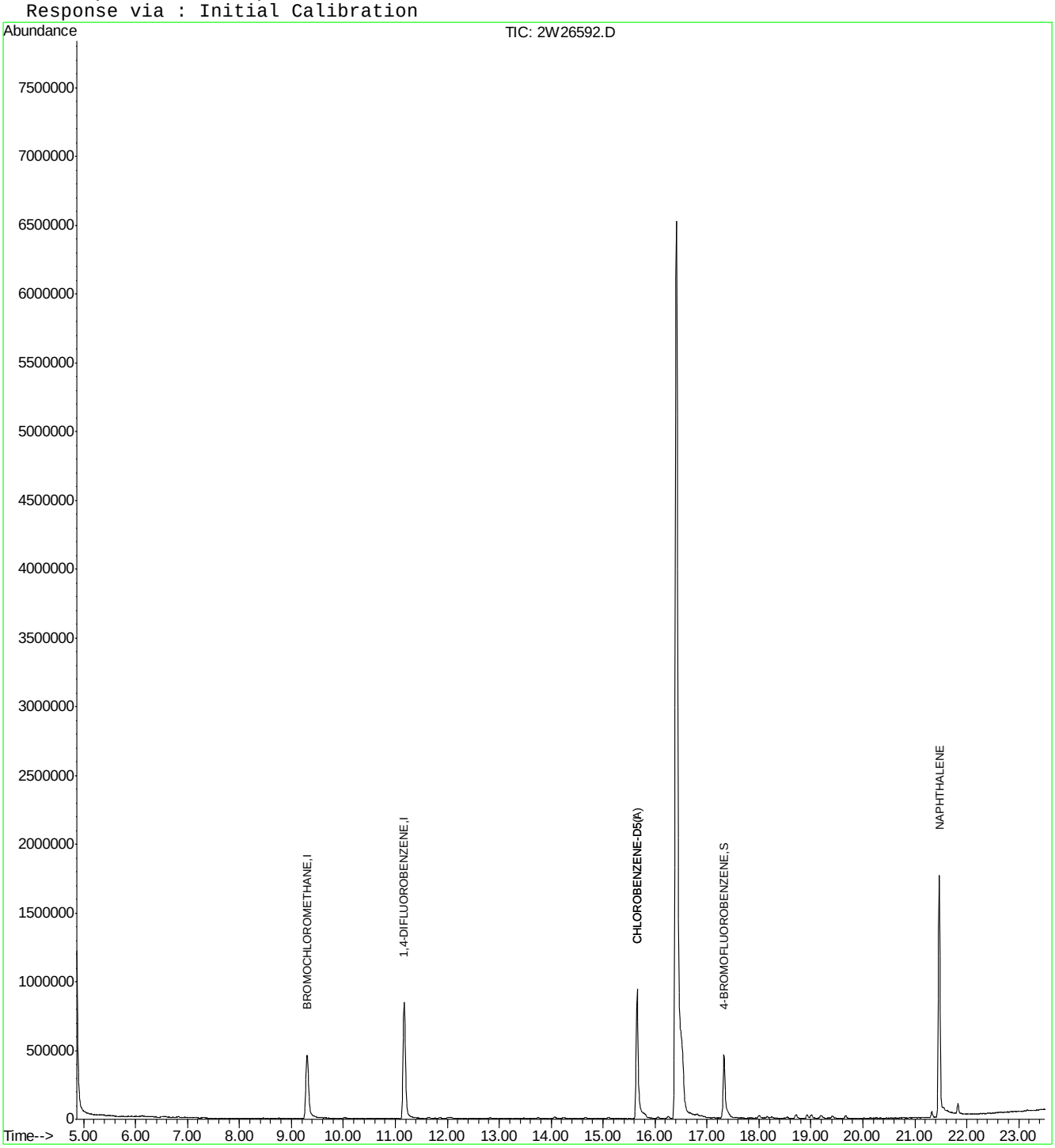
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26592.D Vial: 6
Acq On : 6 Apr 2010 1:42 am Operator: yunxiac
Sample : nap-40 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 6 11:35 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:30:01 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.30	128	282239	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	11.17	114	1196200	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.65	82	552818	10.00	PPBV		0.00
95) CHLOROBENZENE-D5(A)	15.65	82	552583	10.00	PPBV		0.00
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	282626	5.36	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.10	85	1132078	9.48	PPBV		98
4) FREON 152A	4.97	65	222604	9.02	PPBV		99
5) CHLORODIFLUOROMETHANE	5.01	67	119424	8.82	PPBV		91
6) PROPYLENE	5.04	41	325037	10.46	PPBV		98
8) FREON 114	5.32	85	1090072	9.42	PPBV		98
9) CHLOROMETHANE	5.25	52	117772	9.88	PPBV		98
10) VINYL CHLORIDE	5.44	62	416775	10.46	PPBV		98
11) 1,3-BUTADIENE	5.55	54	308849	9.55	PPBV		94
12) n-BUTANE	5.58	43	669410	9.68	PPBV	#	96
13) BROMOMETHANE	5.80	94	411094	9.23	PPBV		100
14) CHLOROETHANE	5.93	64	222649	10.04	PPBV		99
15) FREON 123	6.35	83	884142	9.34	PPBV	#	99
16) FREON 123A	6.40	117	565366	9.10	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.60	101	1057769	9.11	PPBV		100
18) ISOPROPYL ALCOHOL	6.68	45	636074	10.46	PPBV		98
19) ACETONE	6.47	58	138857	9.05	PPBV		99
20) PENTANE	6.84	42	405454	9.55	PPBV		99
23) IODOMETHANE	7.11	142	1029243	9.18	PPBV		97
24) 1,1-DICHLOROETHYLENE	7.17	96	352126	9.20	PPBV		96
25) CARBON DISULFIDE	7.56	76	1011298	9.44	PPBV		98
26) ETHANOL	6.07	45	145731	9.52	PPBV		99
27) BROMOETHENE	6.24	106	421092	9.94	PPBV		99
28) METHYLENE CHLORIDE	7.30	84	305154	9.41	PPBV		98
29) 3-CHLOROPROPENE	7.38	76	163571	10.40	PPBV		96
30) FREON 113	7.47	151	622188	9.08	PPBV		98
31) TRANS-1,2-DICHLOROETHYLENE	8.10	96	383863	10.42	PPBV		98
32) TERTIARY BUTYL ALCOHOL	7.20	59	789457	10.93	PPBV		99
33) METHYL TERTIARY BUTYL ETHE	8.32	73	889431	9.47	PPBV		98
34) TETRAHYDROFURAN	9.80	72	141878	10.09	PPBV		97
35) HEXANE	9.19	57	475953	9.62	PPBV		99
36) VINYL ACETATE	8.43	86	61170	9.13	PPBV	#	71
37) 1,1-DICHLOROETHANE	8.31	63	635108	9.54	PPBV		99
38) METHYL ETHYL KETONE	8.68	72	142580	9.79	PPBV		97
39) cis-1,2-DICHLOROETHYLENE	9.15	96	369996	9.08	PPBV		97
40) ETHYL ACETATE	9.30	61	79525	11.70	PPBV	#	65
41) CHLOROFORM	9.40	83	744372	9.78	PPBV		99
42) 2,4-DIMETHYLPENTANE	10.03	57	628455	10.17	PPBV		100
43) 1,1,1-TRICHLOROETHANE	10.35	97	847262	9.24	PPBV		99
44) CARBON TETRACHLORIDE	10.97	117	854876	9.82	PPBV		100
45) 1,2-DICHLOROETHANE	10.12	62	511217	10.02	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:30:01 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

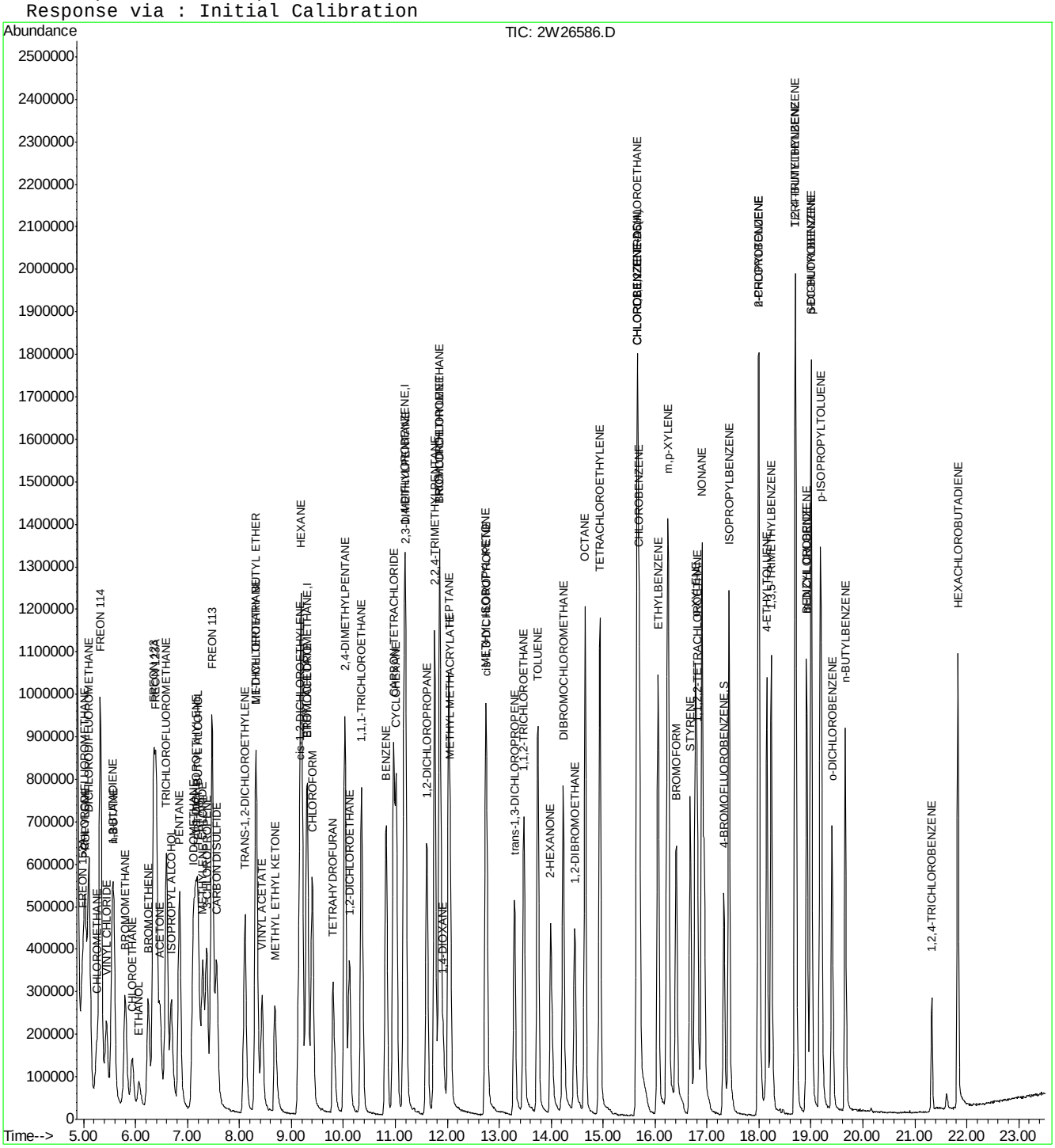
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.82	78	989705	9.87	PPBV		99
48)	CYCLOHEXANE	11.02	84	584019	9.53	PPBV		98
49)	2,3-DIMETHYLPENTANE	11.20	71	232964	9.76	PPBV		100
50)	TRICHLOROETHYLENE	11.86	95	401849	8.81	PPBV		98
51)	1,2-DICHLOROPROPANE	11.60	63	343610	10.08	PPBV		100
52)	BROMODICHLOROMETHANE	11.85	83	697358	9.88	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1477279	9.62	PPBV		99
54)	1,4-DIOXANE	11.92	88	191735	9.63	PPBV		94
55)	METHYL METHACRYLATE	12.06	69	261853	11.63	PPBV	#	74
56)	HEPTANE	12.02	43	537056	9.84	PPBV		99
58)	METHYL ISOBUTYL KETONE	12.73	43	593317	12.27	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.76	75	530569	10.81	PPBV		95
60)	TOLUENE	13.74	92	668020	10.20	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	13.29	75	466461	11.72	PPBV		98
62)	1,1,2-TRICHLOROETHANE	13.48	83	294462	10.57	PPBV		99
64)	2-HEXANONE	13.99	58	291136	12.67	PPBV		99
65)	TETRACHLOROETHYLENE	14.94	164	461643	8.35	PPBV		97
66)	DIBROMOCHLOROMETHANE	14.23	129	708531	10.15	PPBV		99
67)	1,2-DIBROMOETHANE	14.46	107	520024	10.28	PPBV		99
68)	OCTANE	14.66	43	670111	9.36	PPBV		97
69)	1,1,1,2-TETRACHLOROETHANE	15.67	131	494573	9.31	PPBV		98
70)	CHLOROBENZENE	15.70	112	703763	9.67	PPBV		97
71)	ETHYLBENZENE	16.06	91	1162701	9.42	PPBV		99
72)	m,p-XYLENE	16.24	106	938346	18.59	PPBV		98
73)	o-XYLENE	16.78	106	464785	8.92	PPBV		97
74)	STYRENE	16.68	104	616767	11.45	PPBV		98
75)	NONANE	16.90	43	608481	10.24	PPBV		99
76)	BROMOFORM	16.41	173	533306	11.22	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.82	83	517125	10.02	PPBV		99
79)	ISOPROPYLBENZENE	17.42	105	1253341	9.14	PPBV		99
80)	2-CHLOROTOLUENE	18.00	126	309838	9.20	PPBV		98
81)	n-PROPYLBENZENE	18.00	120	322491	10.12	PPBV		93
82)	4-ETHYLTOLUENE	18.15	105	970323	10.55	PPBV		97
83)	1,3,5-TRIMETHYLBENZENE	18.24	105	895200	9.74	PPBV		99
84)	TERT-BUTYLBENZENE	18.70	134	242395	9.66	PPBV		96
85)	1,2,4-TRIMETHYLBENZENE	18.71	105	767882	9.61	PPBV		99
86)	m-DICHLOROBENZENE	18.92	146	441121	10.78	PPBV		99
87)	BENZYL CHLORIDE	18.92	91	458991	10.47	PPBV		98
88)	p-DICHLOROBENZENE	19.00	146	416360	10.04	PPBV		100
89)	SEC-BUTYLBENZENE	19.01	134	267000	9.69	PPBV		95
90)	p-ISOPROPYLTOLUENE	19.18	134	279248	10.30	PPBV		98
91)	o-DICHLOROBENZENE	19.41	146	427920	9.77	PPBV		99
92)	n-BUTYLBENZENE	19.66	134	203623	10.31	PPBV		92
93)	HEXACHLOROBUTADIENE	21.83	225	262578	10.21	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.32	180	131965	9.94	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26586.D Vial: 3
Acq On : 5 Apr 2010 8:41 pm Operator: yunxiac
Sample : icv1118-10 Inst : MS2W
Misc : MS94636,V2W1118,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:31 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:23:02 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26727.D Vial: 2
Acq On : 13 Apr 2010 8:09 am Operator: yunxiac
Sample : CC1118-10 Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 08:40:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 08:18:46 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.29	128	311014	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	11.16	114	1323693	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.64	82	616674	10.00	PPBV		-0.01
95) CHLOROBENZENE-D5(A)	15.64	82	618181	10.00	PPBV		-0.01
System Monitoring Compounds							
77) 4-BROMOFLUOROBENZENE	17.32	95	336001	5.71	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 114.20%				
Target Compounds							Qvalue
3) DICHLORODIFLUOROMETHANE	5.09	85	1478916	11.24	PPBV		98
4) FREON 152A	4.97	65	325944	11.99	PPBV		92
5) CHLORODIFLUOROMETHANE	5.01	67	186185	12.48	PPBV		96
6) PROPYLENE	5.03	41	372596	10.88	PPBV		94
8) FREON 114	5.31	85	1452651	11.39	PPBV		95
9) CHLOROMETHANE	5.25	52	155358	11.82	PPBV		98
10) VINYL CHLORIDE	5.43	62	560391	12.76	PPBV		99
11) 1,3-BUTADIENE	5.54	54	403512	11.32	PPBV		91
12) n-BUTANE	5.57	43	805872	10.58	PPBV		100
13) BROMOMETHANE	5.79	94	583574	11.88	PPBV		99
14) CHLOROETHANE	5.92	64	278380	11.40	PPBV		98
15) FREON 123	6.33	83	1071065	10.26	PPBV	#	98
16) FREON 123A	6.38	117	702153	10.26	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.58	101	1524955	11.92	PPBV		97
18) ISOPROPYL ALCOHOL	6.67	45	773954	11.55	PPBV		97
19) ACETONE	6.46	58	165042	9.76	PPBV	#	83
20) PENTANE	6.83	42	490889	10.50	PPBV		95
23) IODOMETHANE	7.09	142	1349575	10.92	PPBV		92
24) 1,1-DICHLOROETHYLENE	7.16	96	414772	9.84	PPBV		89
25) CARBON DISULFIDE	7.55	76	1160617	9.83	PPBV		94
26) ETHANOL	6.05	45	193020	11.44	PPBV		97
27) BROMOETHENE	6.24	106	588388	12.61	PPBV	#	98
28) METHYLENE CHLORIDE	7.28	84	342956	9.60	PPBV		93
29) 3-CHLOROPROPENE	7.36	76	177037	10.22	PPBV	#	89
30) FREON 113	7.46	151	768500	10.18	PPBV		99
31) TRANS-1,2-DICHLOROETHYLENE	8.09	96	422261	10.40	PPBV		93
32) TERTIARY BUTYL ALCOHOL	7.19	59	903413	11.35	PPBV		94
33) METHYL TERTIARY BUTYL ETHE	8.31	73	989452	9.56	PPBV		100
34) TETRAHYDROFURAN	9.78	72	152246	9.82	PPBV		99
35) HEXANE	9.18	57	480091	8.81	PPBV		93
36) VINYL ACETATE	8.42	86	70596	9.56	PPBV	#	78
37) 1,1-DICHLOROETHANE	8.30	63	688682	9.39	PPBV		98
38) METHYL ETHYL KETONE	8.67	72	152328	9.50	PPBV	#	88
39) cis-1,2-DICHLOROETHYLENE	9.14	96	405423	9.03	PPBV		94
40) ETHYL ACETATE	9.28	61	86985	11.62	PPBV	#	61
41) CHLOROFORM	9.39	83	869929	10.37	PPBV		98
42) 2,4-DIMETHYLPENTANE	10.02	57	646143	9.49	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.34	97	1010042	9.99	PPBV		96
44) CARBON TETRACHLORIDE	10.95	117	1063322	11.08	PPBV		99
45) 1,2-DICHLOROETHANE	10.10	62	627987	11.18	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26727.D Vial: 2
Acq On : 13 Apr 2010 8:09 am Operator: yunxiac
Sample : CC1118-10 Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 08:40:44 2010 Quant Results File: M2W1118.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 08:18:46 2010
Response via : Initial Calibration
DataAcq Meth : TO152W

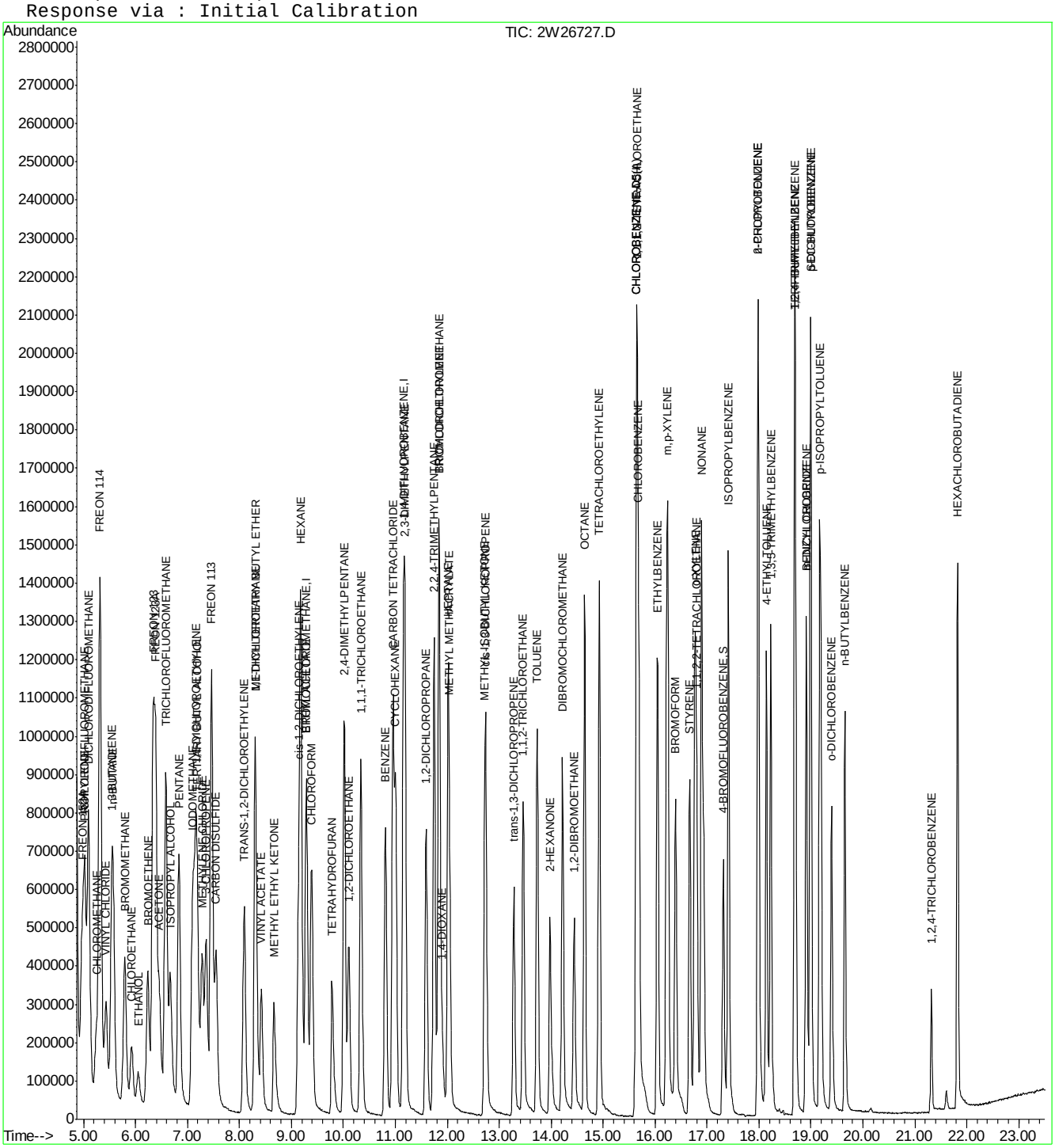
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.81	78	1030934	9.29	PPBV		96
48)	CYCLOHEXANE	11.01	84	645922	9.53	PPBV		95
49)	2,3-DIMETHYLPENTANE	11.19	71	241686	9.15	PPBV		99
50)	TRICHLOROETHYLENE	11.85	95	462814	9.17	PPBV		96
51)	1,2-DICHLOROPROPANE	11.59	63	355419	9.42	PPBV		91
52)	BROMODICHLOROMETHANE	11.83	83	786430	10.07	PPBV		97
53)	2,2,4-TRIMETHYLPENTANE	11.75	57	1488309	8.76	PPBV		98
54)	1,4-DIOXANE	11.90	88	198337	9.00	PPBV		92
55)	METHYL METHACRYLATE	12.04	69	283768	11.39	PPBV		96
56)	HEPTANE	12.02	43	546494	9.05	PPBV		100
58)	METHYL ISOBUTYL KETONE	12.72	43	627364	11.72	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.74	75	570369	10.50	PPBV		87
60)	TOLUENE	13.73	92	685207	9.46	PPBV		94
61)	trans-1,3-DICHLOROPROPENE	13.28	75	524827	11.91	PPBV		94
62)	1,1,2-TRICHLOROETHANE	13.46	83	326058	10.58	PPBV		97
64)	2-HEXANONE	13.98	58	282370	11.01	PPBV		93
65)	TETRACHLOROETHYLENE	14.93	164	521089	8.45	PPBV		95
66)	DIBROMOCHLOROMETHANE	14.22	129	822047	10.55	PPBV		99
67)	1,2-DIBROMOETHANE	14.44	107	581761	10.31	PPBV		99
68)	OCTANE	14.64	43	699230	8.76	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.65	131	592025	9.99	PPBV		92
70)	CHLOROBENZENE	15.68	112	760605	9.37	PPBV		95
71)	ETHYLBENZENE	16.04	91	1273681	9.25	PPBV		97
72)	m,p-XYLENE	16.23	106	980230	17.41	PPBV		93
73)	o-XYLENE	16.77	106	491329	8.45	PPBV		88
74)	STYRENE	16.66	104	647160	10.77	PPBV		92
75)	NONANE	16.90	43	630948	9.52	PPBV		100
76)	BROMOFORM	16.40	173	655370	12.36	PPBV		99
78)	1,1,2,2-TETRACHLOROETHANE	16.80	83	561499	9.75	PPBV		98
79)	ISOPROPYLBENZENE	17.41	105	1362296	8.91	PPBV		97
80)	2-CHLOROTOLUENE	17.98	126	345630	9.20	PPBV	#	92
81)	n-PROPYLBENZENE	17.98	120	350887	9.87	PPBV		93
82)	4-ETHYLTOLUENE	18.14	105	1086880	10.60	PPBV		95
83)	1,3,5-TRIMETHYLBENZENE	18.23	105	986647	9.63	PPBV		96
84)	TERT-BUTYLBENZENE	18.69	134	270438	9.67	PPBV		94
85)	1,2,4-TRIMETHYLBENZENE	18.70	105	857313	9.62	PPBV		97
86)	m-DICHLOROBENZENE	18.92	146	502024	11.00	PPBV		98
87)	BENZYL CHLORIDE	18.90	91	499325	10.21	PPBV		97
88)	p-DICHLOROBENZENE	18.99	146	455015	9.84	PPBV		98
89)	SEC-BUTYLBENZENE	19.00	134	291432	9.48	PPBV		98
90)	p-ISOPROPYLTOLUENE	19.17	134	300235	9.93	PPBV		94
91)	o-DICHLOROBENZENE	19.40	146	485318	9.93	PPBV		98
92)	n-BUTYLBENZENE	19.66	134	225757	10.24	PPBV		97
93)	HEXACHLOROBUTADIENE	21.82	225	356659	12.44	PPBV		98
94)	1,2,4-TRICHLOROBENZENE	21.32	180	152966	10.33	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\2W26727.D Vial: 2
Acq On : 13 Apr 2010 8:09 am Operator: yunxiac
Sample : CC1118-10 Inst : MS2W
Misc : MS95159,V2W1124,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 15:26 2010 Quant Results File: M2W1118.RES

Method : C:\MSDCHEM\1\METHODS\M2W1118.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 11:28:37 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	96939	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	490746	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	249303	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	249303	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	150343	5.00	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	81079	10.00	PPBV	100
4) CHLORODIFLUOROMETHANE	4.18	67	31619	10.00	PPBV	100
5) DICHLORODIFLUOROMETHANE	4.25	85	327180	10.00	PPBV	100
6) PROPYLENE	4.20	41	95042	10.00	PPBV	100
7) FREON 114	4.43	85	345262	10.03	PPBV	100
8) CHLOROMETHANE	4.37	50	106343	10.00	PPBV	100
9) VINYL CHLORIDE	4.51	62	123582	10.00	PPBV	100
10) 1,3-BUTADIENE	4.60	54	89473	10.00	PPBV	100
11) n-BUTANE	4.62	43	167955	10.00	PPBV	100
12) BROMOMETHANE	4.79	94	117629	10.00	PPBV	100
13) CHLOROETHANE	4.89	64	65455	10.00	PPBV	100
14) FREON 123	5.22	83	281556	10.00	PPBV	100
15) FREON 123A	5.25	117	166348	10.00	PPBV	100
16) TRICHLOROFLUOROMETHANE	5.41	101	311371	10.00	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	183250	10.01	PPBV	100
18) ACETONE	5.31	58	49743	10.00	PPBV	100
19) PENTANE	5.62	42	107983	10.03	PPBV	100
20) TVHC as EQUIV PENTANE	5.61	TIC	511817m	10.00	PPBV	
21) IODOMETHANE	5.82	142	309423	10.00	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.87	96	112257	10.01	PPBV	100
23) CARBON DISULFIDE	6.18	76	331646	10.00	PPBV	100
24) ETHANOL	5.03	45	42773	10.00	PPBV	100
25) BROMOETHENE	5.14	106	118480	10.00	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	100382	10.00	PPBV	100
27) 3-CHLOROPROPENE	6.03	76	52872	10.00	PPBV	100
28) FREON 113	6.12	151	194122	10.00	PPBV	100
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	116873	10.00	PPBV	100
30) TERTIARY BUTYL ALCOHOL	5.91	59	257236	10.02	PPBV	100
31) METHYL TERTIARY BUTYL ETHE	6.81	73	306530	10.00	PPBV	100
32) TETRAHYDROFURAN	8.08	72	54430	10.00	PPBV	100
33) HEXANE	7.57	57	165765	10.00	PPBV	100
34) VINYL ACETATE	6.93	86	25022	10.00	PPBV	100
35) 1,1-DICHLOROETHANE	6.81	63	204473	10.00	PPBV	100
36) METHYL ETHYL KETONE	7.12	72	54072	10.01	PPBV	100
37) cis-1,2-DICHLOROETHYLENE	7.53	96	120547	10.00	PPBV	100
38) DIISOPROPYL ETHER	7.58	45	306888	10.00	PPBV	100
39) ETHYL ACETATE	7.66	61	30790	10.00	PPBV	99
40) CHLOROFORM	7.75	83	238004	10.00	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.33	57	213067	10.00	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.60	97	252433	10.00	PPBV	100

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

ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	263939	10.00	PPBV	100
44)	1,2-DICHLOROETHANE	8.39	62	136401	10.00	PPBV	100
46)	BENZENE	9.03	78	354250	10.00	PPBV	100
47)	CYCLOHEXANE	9.21	56	179500	10.00	PPBV	100
48)	2,3-DIMETHYLPENTANE	9.39	71	80697	10.00	PPBV	100
49)	TRICHLOROETHYLENE	9.99	95	148501	10.00	PPBV	100
50)	1,2-DICHLOROPROPANE	9.75	63	129305	10.00	PPBV	100
51)	BROMODICHLOROMETHANE	9.97	83	249147	10.00	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	541797	10.00	PPBV	100
53)	1,4-DIOXANE	10.03	88	75944	10.00	PPBV	100
54)	HEPTANE	10.17	43	182640	10.00	PPBV	100
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1260885m	10.10	PPBV	
56)	METHYL METHACRYLATE	10.18	69	107746	10.00	PPBV	100
57)	METHYL ISOBUTYL KETONE	10.81	43	208382	10.01	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.83	75	191920	10.00	PPBV	100
59)	TOLUENE	11.76	92	239073	10.00	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	11.34	75	155628	10.00	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.50	83	117437	10.00	PPBV	100
63)	2-HEXANONE	12.01	43	199113	10.01	PPBV	100
64)	TETRACHLOROETHYLENE	12.91	164	161621	10.01	PPBV	100
65)	DIBROMOCHLOROMETHANE	12.21	129	247646	10.01	PPBV	100
66)	1,2-DIBROMOETHANE	12.43	107	189128	10.01	PPBV	100
67)	OCTANE	12.68	43	249197	10.01	PPBV	100
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	166510	10.01	PPBV	100
69)	CHLOROBENZENE	13.64	112	279076	10.01	PPBV	100
70)	ETHYLBENZENE	14.00	91	486521	10.01	PPBV	100
71)	m,p-XYLENE	14.19	106	356878	20.03	PPBV	100
72)	o-XYLENE	14.70	106	173894	10.01	PPBV	100
73)	STYRENE	14.60	104	248679	10.01	PPBV	100
74)	NONANE	14.87	43	224396	10.01	PPBV	100
75)	BROMOFORM	14.31	173	207955	10.01	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.73	83	228412	10.01	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	180309	10.01	PPBV	100
79)	ISOPROPYLBENZENE	15.35	105	513665	10.01	PPBV	100
80)	2-CHLOROTOLUENE	15.92	126	113422	10.01	PPBV	100
81)	n-PROPYLBENZENE	15.94	120	126852	10.01	PPBV	100
82)	4-ETHYLTOLUENE	16.11	105	445896	10.01	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	371758	10.01	PPBV	100
84)	tert-BUTYLBENZENE	16.68	134	84178	10.01	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	340042	10.01	PPBV	100
86)	m-DICHLOROBENZENE	16.89	146	195720	10.01	PPBV	100
87)	BENZYL CHLORIDE	16.89	91	221865	10.01	PPBV	100
88)	p-DICHLOROBENZENE	16.98	146	183383	10.01	PPBV	100
89)	sec-BUTYLBENZENE	17.01	134	100019	10.01	PPBV	100
90)	p-ISOPROPYLTOLUENE	17.20	134	100568	10.01	PPBV	100
91)	o-DICHLOROBENZENE	17.40	146	173688	10.01	PPBV	100
92)	n-BUTYLBENZENE	17.70	134	78358	10.01	PPBV	100
93)	HEXACHLOROBUTADIENE	19.94	225	60096	10.01	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	34314	10.01	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:33 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

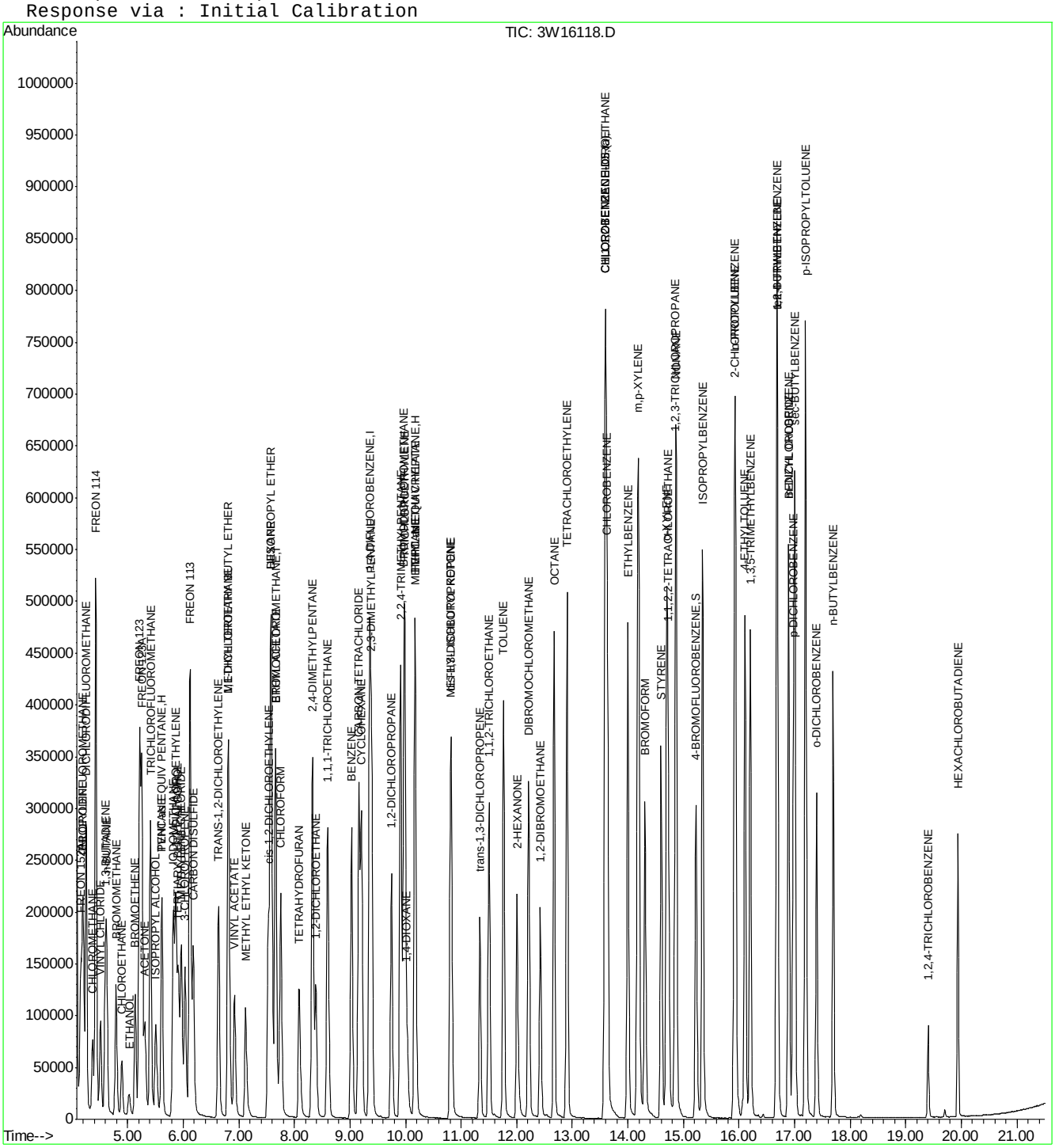
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

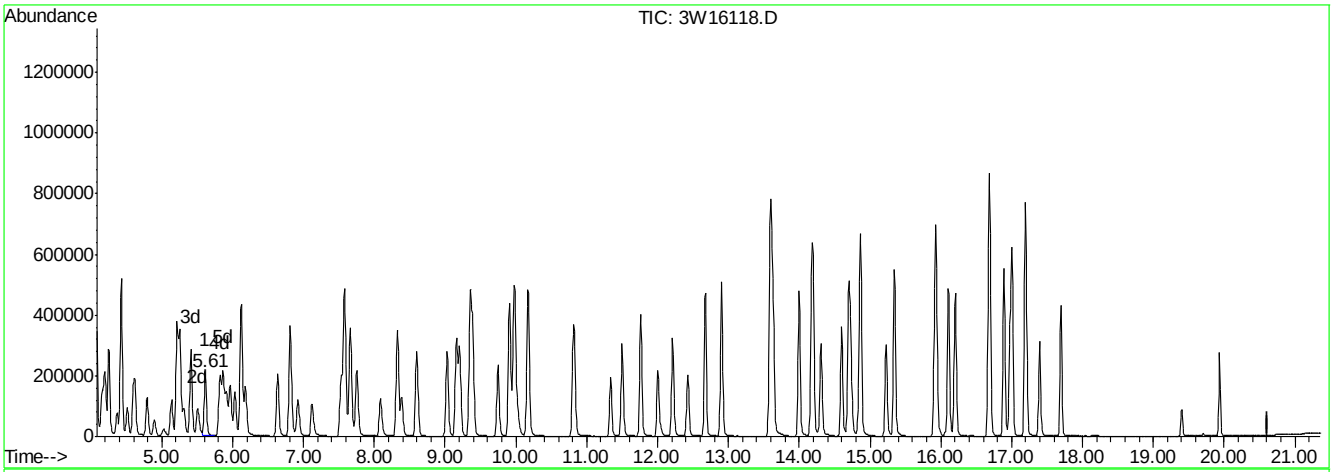


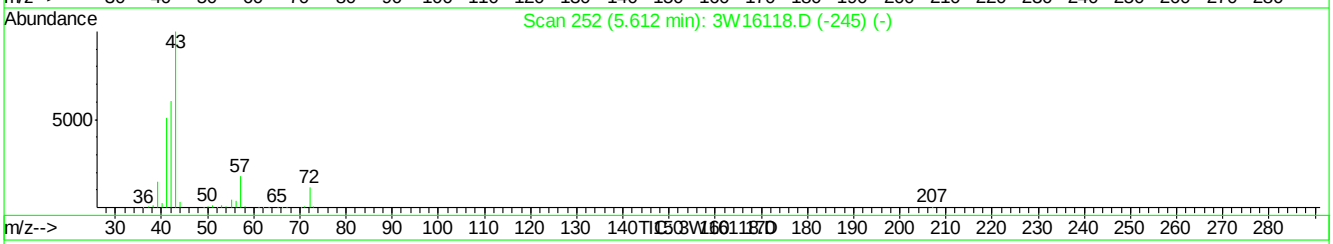
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 10.00PPBV m

response 511817

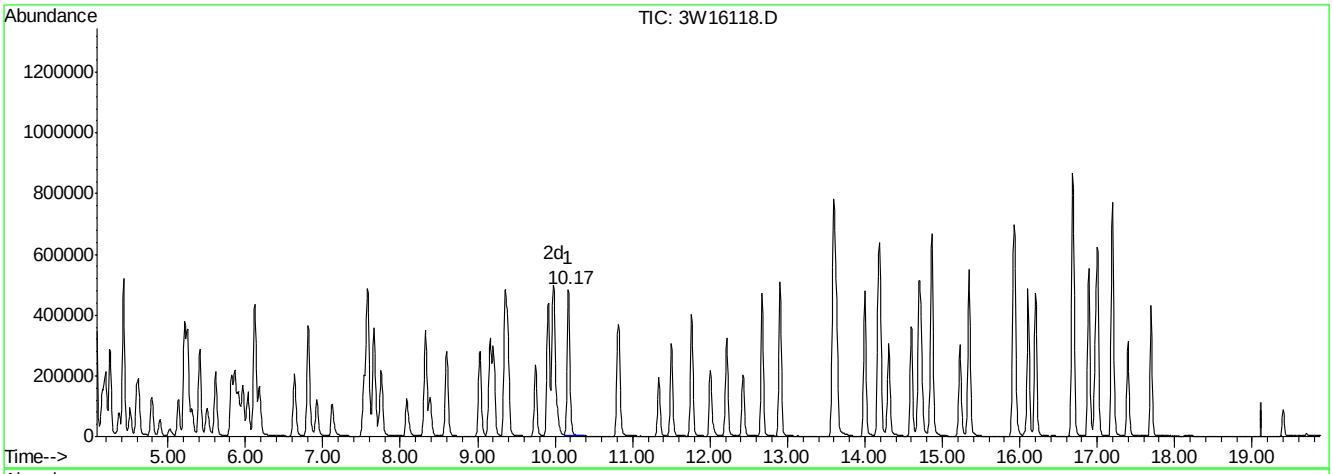
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16118.D M3W644.M Wed Apr 07 11:36:03 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16118.D Vial: 2
Acq On : 6 Apr 2010 4:31 pm Operator: YOUMINH
Sample : ICC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 8:59 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.17min 10.10PPBV m

response 1260885

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16118.D M3W644.M Wed Apr 07 11:36:06 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	99318	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	472442	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	215174	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	215649	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	109952	4.24	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 84.80%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	1570	0.19	PPBV	74
4) CHLORODIFLUOROMETHANE	4.19	67	625	0.19	PPBV	94
5) DICHLORODIFLUOROMETHANE	4.26	85	6735	0.20	PPBV	98
6) PROPYLENE	4.21	41	1951	0.20	PPBV	97
7) FREON 114	4.43	85	7061	0.20	PPBV	99
8) CHLOROMETHANE	4.37	50	2229	0.20	PPBV	83
9) VINYL CHLORIDE	4.51	62	2527	0.20	PPBV	97
10) 1,3-BUTADIENE	4.60	54	1553	0.17	PPBV	93
11) n-BUTANE	4.63	43	3661	0.21	PPBV #	83
12) BROMOMETHANE	4.80	94	2421	0.20	PPBV	85
13) CHLOROETHANE	4.89	64	1219	0.18	PPBV	96
14) FREON 123	5.21	83	5510	0.19	PPBV	98
15) FREON 123A	5.25	117	3334	0.20	PPBV	100
16) TRICHLOROFLUOROMETHANE	5.41	101	6378	0.20	PPBV	99
17) ISOPROPYL ALCOHOL	5.53	45	3439	0.18	PPBV	94
18) ACETONE	5.35	58	921	0.18	PPBV #	66
19) PENTANE	5.61	42	2450	0.22	PPBV	91
20) TVHC as EQUIV PENTANE	5.61	TIC	9663m	0.18	PPBV	
21) IODOMETHANE	5.82	142	5965	0.19	PPBV	97
22) 1,1-DICHLOROETHYLENE	5.86	96	2285	0.20	PPBV	95
23) CARBON DISULFIDE	6.18	76	6956	0.20	PPBV	94
24) ETHANOL	5.05	45	1350	0.31	PPBV	88
25) BROMOETHENE	5.14	106	2236	0.18	PPBV	99
26) METHYLENE CHLORIDE	5.96	84	2620	0.25	PPBV	99
27) 3-CHLOROPROPENE	6.02	76	894	0.17	PPBV	89
28) FREON 113	6.12	151	3824	0.19	PPBV	98
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	2195	0.18	PPBV	95
30) TERTIARY BUTYL ALCOHOL	5.93	59	4175	0.16	PPBV	94
31) METHYL TERTIARY BUTYL ETHE	6.84	73	5130	0.16	PPBV	88
32) TETRAHYDROFURAN	8.14	72	742	0.13	PPBV #	86
33) HEXANE	7.57	57	3091	0.18	PPBV	90
34) VINYL ACETATE	6.93	86	268	0.10	PPBV #	7
35) 1,1-DICHLOROETHANE	6.80	63	3881	0.19	PPBV	99
36) METHYL ETHYL KETONE	7.16	72	692	0.13	PPBV #	89
37) cis-1,2-DICHLOROETHYLENE	7.52	96	2136	0.17	PPBV	98
38) DIISOPROPYL ETHER	7.60	45	5110	0.16	PPBV	94
39) ETHYL ACETATE	7.68	61	468	0.15	PPBV #	82
40) CHLOROFORM	7.74	83	4394	0.18	PPBV	95
41) 2,4-DIMETHYLPENTANE	8.31	57	3905	0.18	PPBV	98
42) 1,1,1-TRICHLOROETHANE	8.59	97	4741	0.18	PPBV	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	5003	0.19	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	2432	0.17	PPBV		97
46)	BENZENE	9.02	78	6237	0.18	PPBV		99
47)	CYCLOHEXANE	9.20	56	3270	0.19	PPBV		99
48)	2,3-DIMETHYLPENTANE	9.38	71	2056	0.26	PPBV	#	1
49)	TRICHLOROETHYLENE	9.97	95	2797	0.20	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	2736	0.22	PPBV		88
51)	BROMODICHLOROMETHANE	9.96	83	4199	0.18	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	10118	0.19	PPBV		99
53)	1,4-DIOXANE	10.11	88	1248	0.17	PPBV		89
54)	HEPTANE	10.16	43	3678	0.21	PPBV		91
55)	TVHC as EQUIV HEPTANE	10.16	TIC	20959m	0.17	PPBV		
56)	METHYL METHACRYLATE	10.19	69	1295	0.12	PPBV	#	1
57)	METHYL ISOBUTYL KETONE	10.83	43	2630	0.13	PPBV		94
58)	cis-1,3-DICHLOROPROPENE	10.82	75	2743	0.15	PPBV		91
59)	TOLUENE	11.76	92	4105	0.18	PPBV		100
60)	trans-1,3-DICHLOROPROPENE	11.33	75	2066	0.14	PPBV		94
61)	1,1,2-TRICHLOROETHANE	11.49	83	1849	0.16	PPBV		99
63)	2-HEXANONE	12.04	43	2650	0.15	PPBV		89
64)	TETRACHLOROETHYLENE	12.90	164	2919	0.21	PPBV		97
65)	DIBROMOCHLOROMETHANE	12.20	129	3440	0.16	PPBV		98
66)	1,2-DIBROMOETHANE	12.42	107	2611	0.16	PPBV	#	98
67)	OCTANE	12.67	43	4046	0.19	PPBV		95
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	2762	0.19	PPBV		97
69)	CHLOROBENZENE	13.62	112	4641	0.19	PPBV		99
70)	ETHYLBENZENE	14.00	91	7087	0.17	PPBV		96
71)	m,p-XYLENE	14.18	106	5083	0.33	PPBV		95
72)	o-XYLENE	14.69	106	2375	0.16	PPBV		95
73)	STYRENE	14.59	104	2219	0.10	PPBV		98
74)	NONANE	14.87	43	3369	0.17	PPBV		96
75)	BROMOFORM	14.31	173	2385	0.13	PPBV		97
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	3466	0.18	PPBV		96
78)	1,2,3-TRICHLOROPROPANE	14.85	75	2823	0.18	PPBV		99
79)	ISOPROPYLBENZENE	15.34	105	7454	0.17	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	1564	0.16	PPBV		97
81)	n-PROPYLBENZENE	15.93	120	1503	0.14	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	5149	0.13	PPBV		98
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	4723	0.15	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	1137	0.16	PPBV	#	88
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	4202	0.14	PPBV	#	87
86)	m-DICHLOROBENZENE	16.88	146	2717	0.16	PPBV		97
87)	BENZYL CHLORIDE	16.88	91	2687	0.14	PPBV		95
88)	p-DICHLOROBENZENE	16.97	146	2742	0.17	PPBV		97
89)	sec-BUTYLBENZENE	17.00	134	1253	0.15	PPBV	#	77
90)	p-ISOPROPYLTOLUENE	17.19	134	1158	0.13	PPBV	#	89
91)	o-DICHLOROBENZENE	17.39	146	2558	0.17	PPBV		98
92)	n-BUTYLBENZENE	17.70	134	771	0.11	PPBV	#	83
93)	HEXACHLOROBUTADIENE	19.94	225	1314	0.25	PPBV		96
94)	1,2,4-TRICHLOROBENZENE	19.41	180	430	0.15	PPBV	#	83

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:40 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

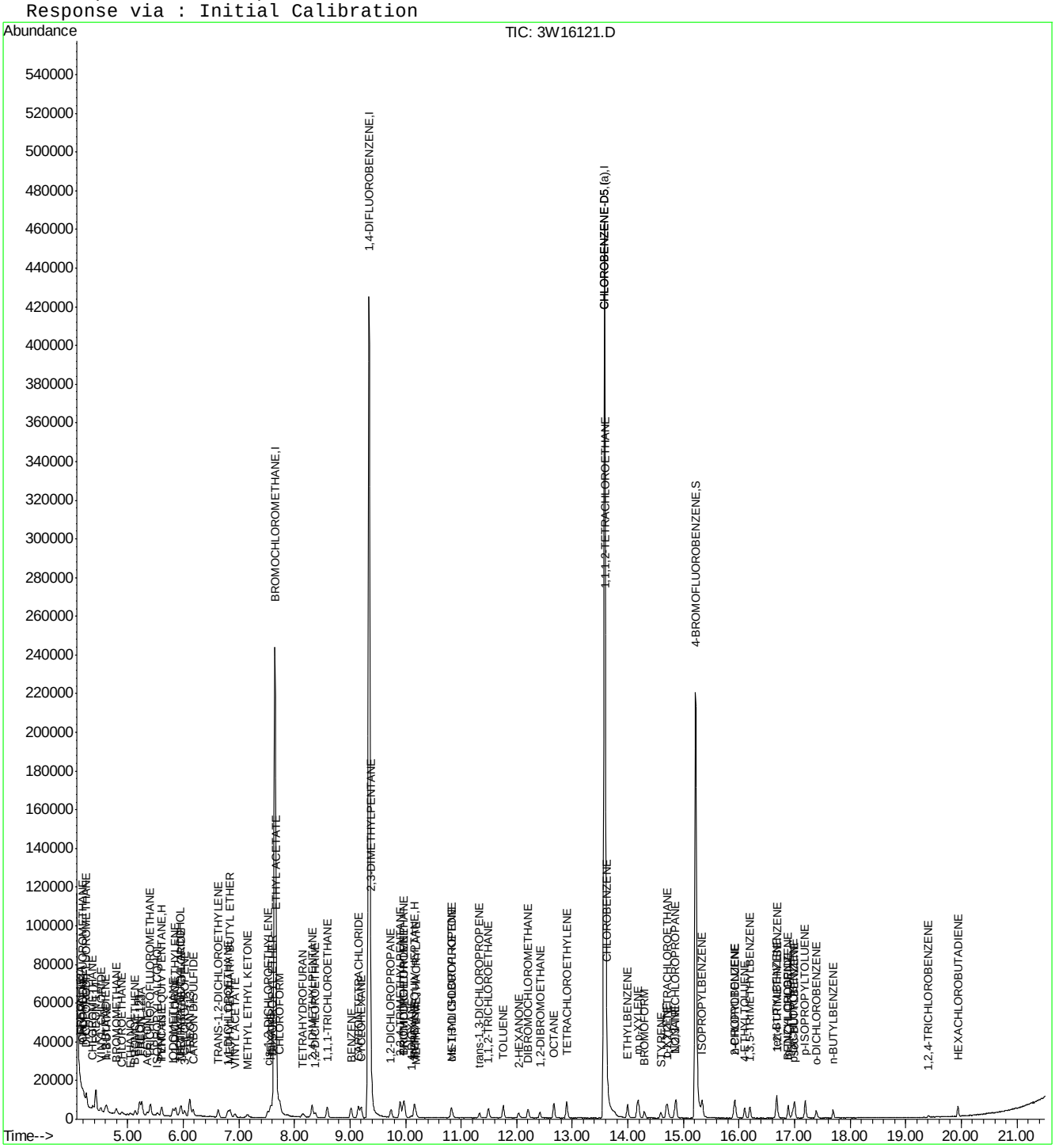
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

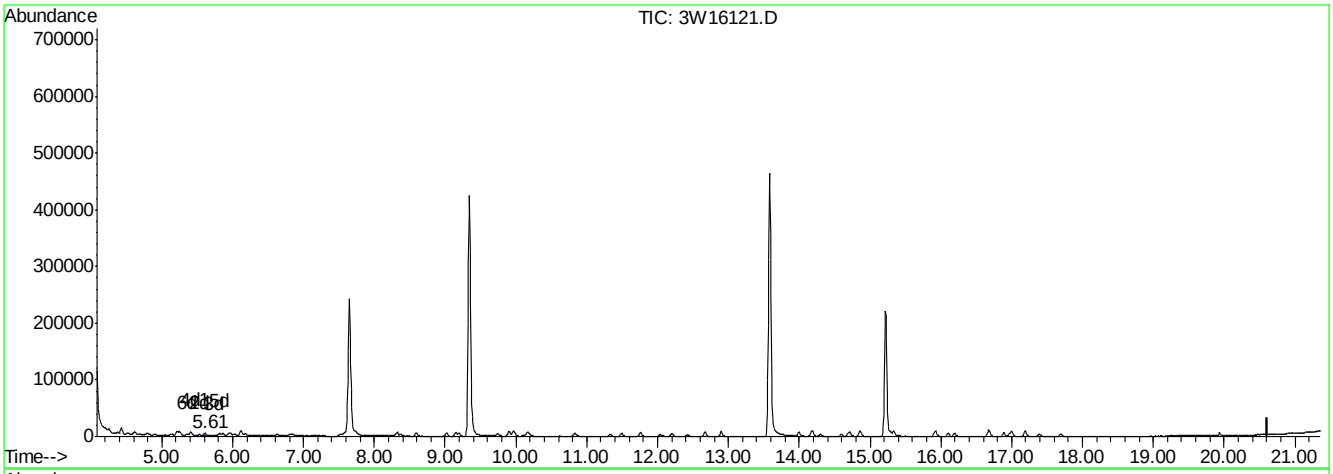


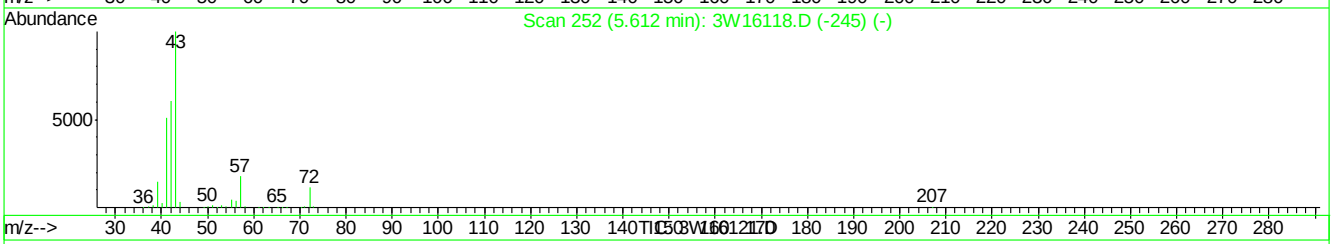
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 0.18PPBV m

response 9663

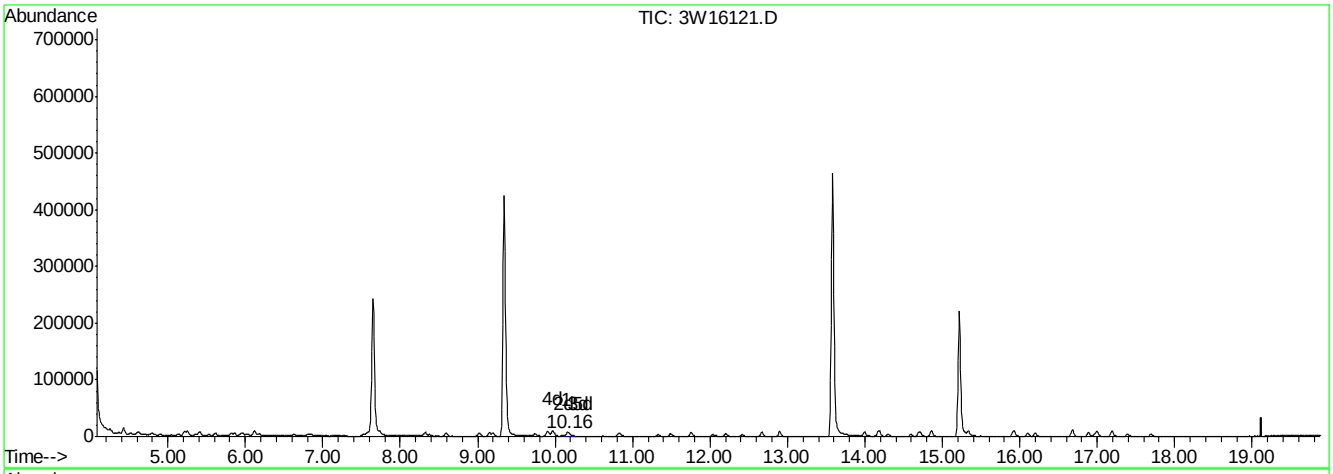
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16121.D M3W644.M Wed Apr 07 11:36:14 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16121.D Vial: 1
Acq On : 6 Apr 2010 7:05 pm Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.17PPBV m

response 20959

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16121.D M3W644.M Wed Apr 07 11:36:17 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.68	128	94770	10.00	PPBV	0.02
45) 1,4-DIFLUOROBENZENE	9.37	114	481093	10.00	PPBV	0.02
62) CHLOROBENZENE-D5	13.60	82	249952	10.00	PPBV	0.01
95) CHLOROBENZENE-D5 (a)	13.60	82	249746	10.00	PPBV	0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.24	95	149620	4.97	PPBV	0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.40%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	162695	20.53	PPBV	98
4) CHLORODIFLUOROMETHANE	4.19	67	62403	20.19	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.26	85	626187	19.58	PPBV	99
6) PROPYLENE	4.21	41	183633	19.76	PPBV	99
7) FREON 114	4.44	85	661745	19.65	PPBV	99
8) CHLOROMETHANE	4.38	50	212669	20.46	PPBV	97
9) VINYL CHLORIDE	4.52	62	249132	20.62	PPBV	100
10) 1,3-BUTADIENE	4.61	54	179643	20.54	PPBV	99
11) n-BUTANE	4.63	43	321667	19.59	PPBV	100
12) BROMOMETHANE	4.80	94	237228	20.63	PPBV	100
13) CHLOROETHANE	4.91	64	132393	20.69	PPBV	100
14) FREON 123	5.23	83	538083	19.55	PPBV	100
15) FREON 123A	5.27	117	320961	19.74	PPBV	97
16) TRICHLOROFLUOROMETHANE	5.42	101	611497	20.09	PPBV	100
17) ISOPROPYL ALCOHOL	5.55	45	363509	20.31	PPBV	100
18) ACETONE	5.33	58	104258	21.44	PPBV	96
19) PENTANE	5.63	42	213851	20.32	PPBV	100
20) TVHC as EQUIV PENTANE	5.63	TIC	1025929m	20.50	PPBV	
21) IODOMETHANE	5.84	142	618743	20.45	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.88	96	223165	20.35	PPBV	99
23) CARBON DISULFIDE	6.20	76	656315	20.24	PPBV	100
24) ETHANOL	5.05	45	85026	20.33	PPBV	99
25) BROMOETHENE	5.15	106	236162	20.39	PPBV	100
26) METHYLENE CHLORIDE	5.98	84	196563	20.03	PPBV	99
27) 3-CHLOROPROPENE	6.05	76	106246	20.55	PPBV	99
28) FREON 113	6.14	151	387866	20.44	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	234308	20.51	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.95	59	435576	17.35	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.83	73	602474	20.10	PPBV	99
32) TETRAHYDROFURAN	8.10	72	110329	20.73	PPBV	99
33) HEXANE	7.58	57	317318	19.58	PPBV	100
34) VINYL ACETATE	6.94	86	50698	20.73	PPBV	98
35) 1,1-DICHLOROETHANE	6.83	63	395970	19.81	PPBV	100
36) METHYL ETHYL KETONE	7.15	72	110394	20.90	PPBV	96
37) cis-1,2-DICHLOROETHYLENE	7.55	96	237867	20.18	PPBV	99
38) DIISOPROPYL ETHER	7.61	45	589587	19.65	PPBV	100
39) ETHYL ACETATE	7.69	61	63403	21.06	PPBV	98
40) CHLOROFORM	7.78	83	477374	20.52	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	414988	19.92	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.62	97	501335	20.31	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.17	117	521738	20.22	PPBV	100
44)	1,2-DICHLOROETHANE	8.40	62	273957	20.54	PPBV	100
46)	BENZENE	9.04	78	705854	20.33	PPBV	100
47)	CYCLOHEXANE	9.22	56	351995	20.00	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.40	71	158957	20.09	PPBV	96
49)	TRICHLOROETHYLENE	10.00	95	287479	19.74	PPBV	99
50)	1,2-DICHLOROPROPANE	9.76	63	260716	20.57	PPBV	99
51)	BROMODICHLOROMETHANE	9.99	83	483054	19.78	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.93	57	1040717	19.59	PPBV	100
53)	1,4-DIOXANE	10.05	88	153107	20.57	PPBV	98
54)	HEPTANE	10.18	43	346346	19.34	PPBV	98
55)	TVHC as EQUIV HEPTANE	10.19	TIC	2435629m	19.90	PPBV	
56)	METHYL METHACRYLATE	10.20	69	217476	20.59	PPBV	97
57)	METHYL ISOBUTYL KETONE	10.83	43	390909	19.15	PPBV	98
58)	cis-1,3-DICHLOROPROPENE	10.84	75	381436	20.27	PPBV	99
59)	TOLUENE	11.77	92	481516	20.54	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.35	75	317789	20.83	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.52	83	236856	20.57	PPBV	99
63)	2-HEXANONE	12.03	43	388159	19.45	PPBV	99
64)	TETRACHLOROETHYLENE	12.92	164	322616	19.92	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.23	129	501031	20.19	PPBV	100
66)	1,2-DIBROMOETHANE	12.44	107	389775	20.57	PPBV	100
67)	OCTANE	12.68	43	472230	18.91	PPBV	98
68)	1,1,1,2-TETRACHLOROETHANE	13.62	131	338458	20.29	PPBV	100
69)	CHLOROBENZENE	13.65	112	559662	20.01	PPBV	99
70)	ETHYLBENZENE	14.01	91	976237	20.02	PPBV	99
71)	m,p-XYLENE	14.20	106	712060	39.86	PPBV	98
72)	o-XYLENE	14.71	106	352880	20.25	PPBV	99
73)	STYRENE	14.62	104	526204	21.12	PPBV	100
74)	NONANE	14.88	43	410846	18.28	PPBV	97
75)	BROMOFORM	14.33	173	439431	21.09	PPBV	99
77)	1,1,2,2-TETRACHLOROETHANE	14.75	83	461689	20.17	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.87	75	349938	19.37	PPBV	99
79)	ISOPROPYLBENZENE	15.36	105	1023681	19.89	PPBV	99
80)	2-CHLOROTOLUENE	15.93	126	230567	20.30	PPBV	100
81)	n-PROPYLBENZENE	15.95	120	255187	20.08	PPBV	99
82)	4-ETHYLTOLUENE	16.12	105	898950	20.12	PPBV	99
83)	1,3,5-TRIMETHYLBENZENE	16.22	105	738889	19.83	PPBV	100
84)	tert-BUTYLBENZENE	16.70	134	165826	19.66	PPBV	96
85)	1,2,4-TRIMETHYLBENZENE	16.71	105	654367	19.20	PPBV	100
86)	m-DICHLOROBENZENE	16.91	146	397510	20.27	PPBV	100
87)	BENZYL CHLORIDE	16.91	91	438410	19.72	PPBV	99
88)	p-DICHLOROBENZENE	16.99	146	373742	20.34	PPBV	100
89)	sec-BUTYLBENZENE	17.02	134	197233	19.68	PPBV	95
90)	p-ISOPROPYLTOLUENE	17.21	134	197508	19.60	PPBV	96
91)	o-DICHLOROBENZENE	17.41	146	354580	20.37	PPBV	100
92)	n-BUTYLBENZENE	17.71	134	156934	19.99	PPBV	95
93)	HEXACHLOROBUTADIENE	19.94	225	72240	12.00	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	50035	14.55	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:42 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

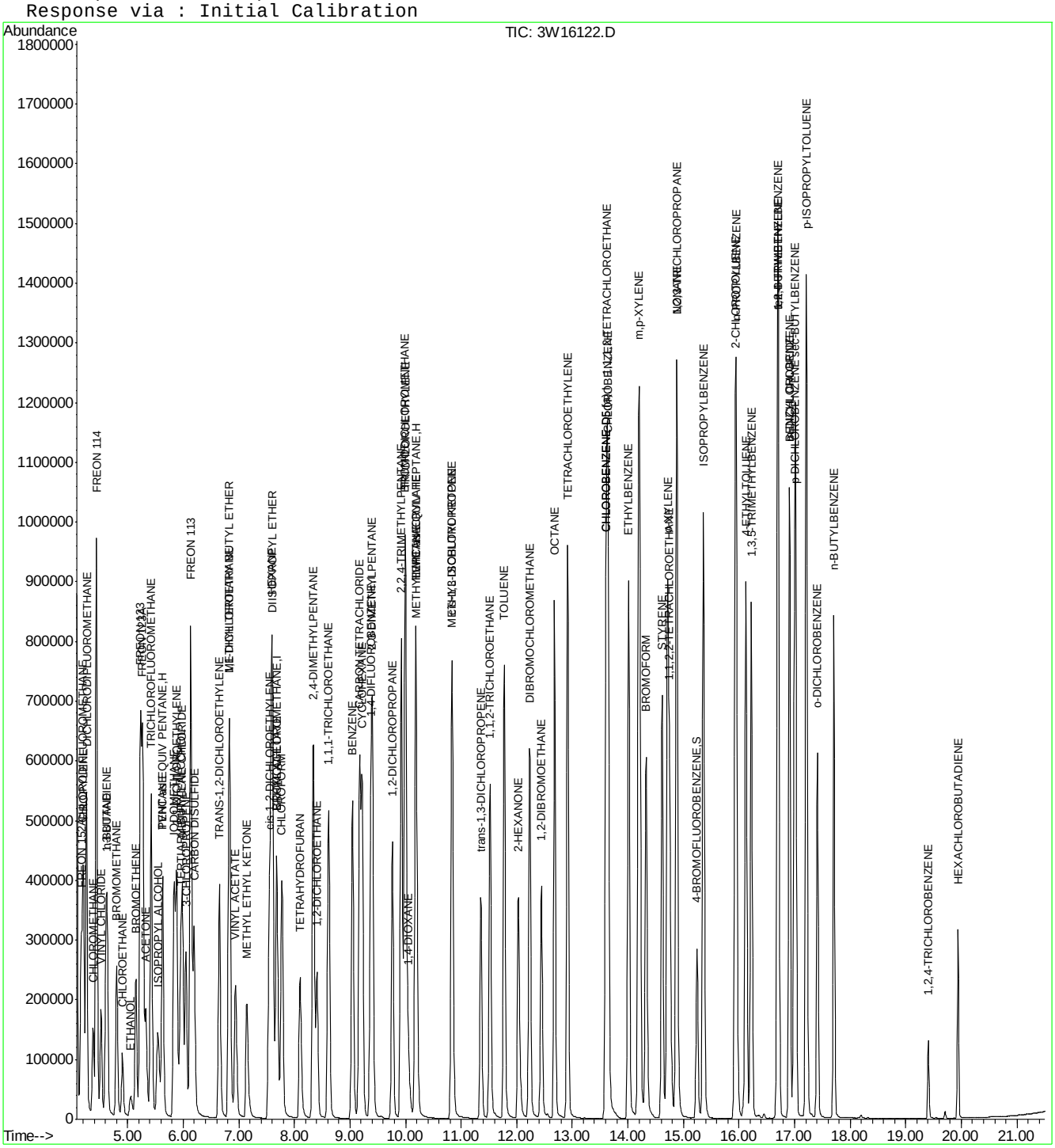
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

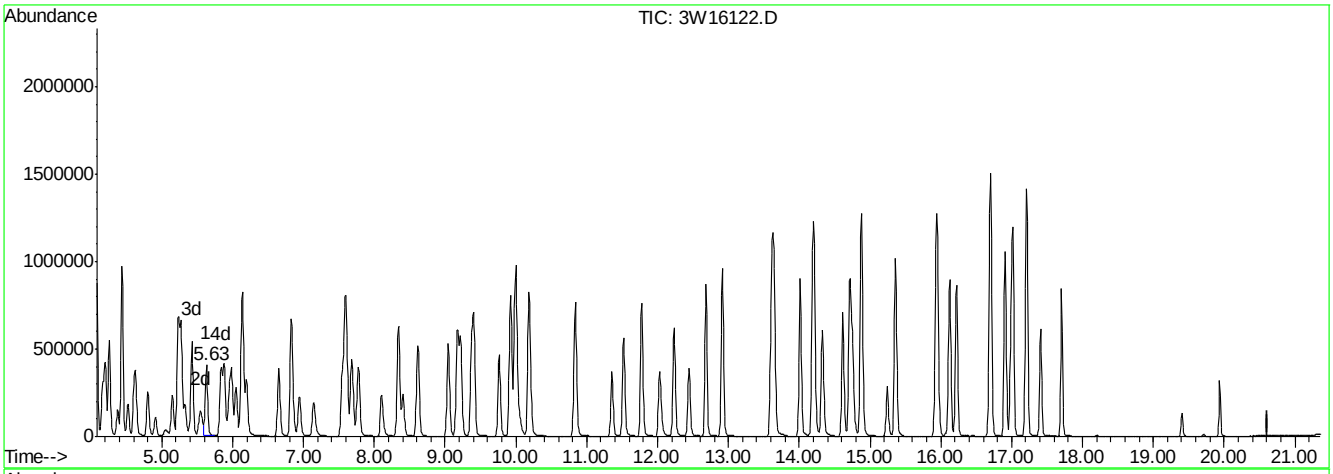


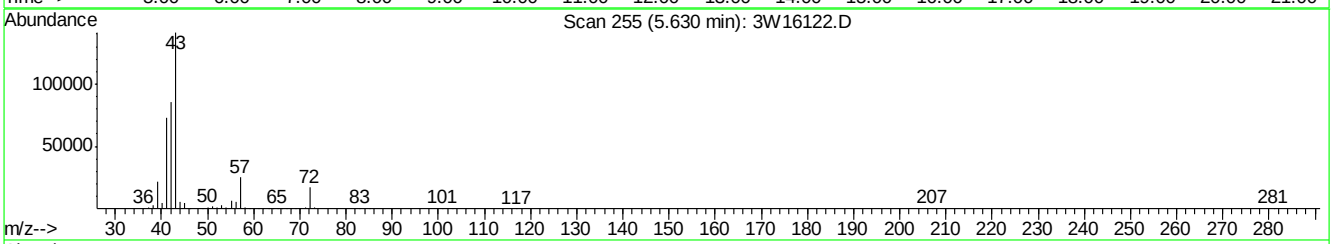
ACCUTEST Laboratories JA45152

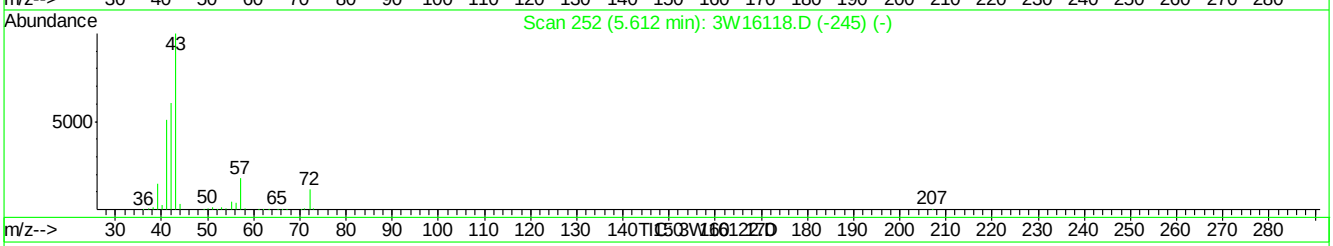
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(20) TVHC as EQUIV PENTANE (H)

5.63min 20.50PPBV m

response 1025929

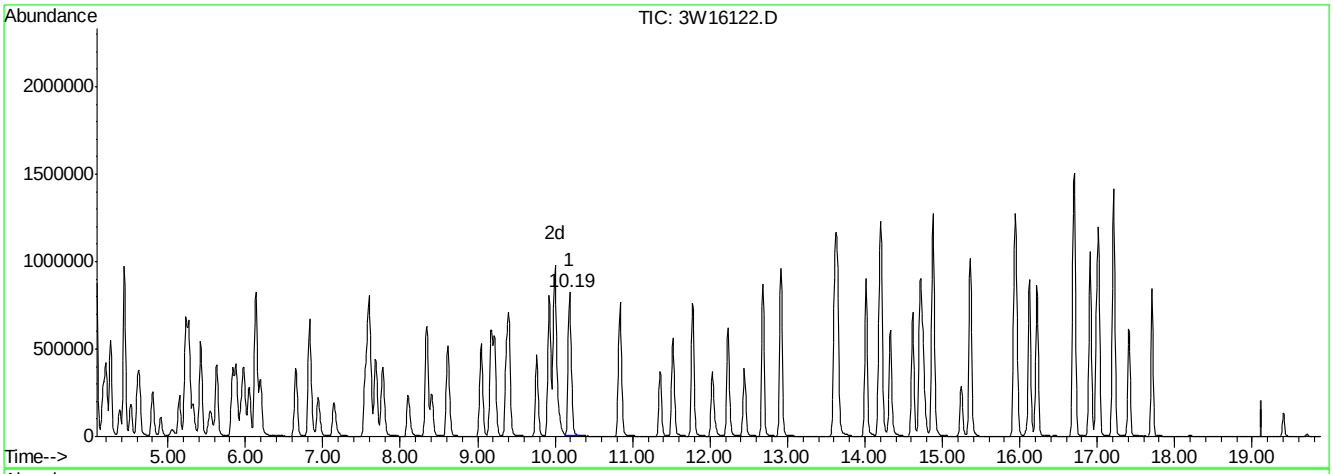
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16122.D M3W644.M Wed Apr 07 11:36:26 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16122.D Vial: 2
Acq On : 6 Apr 2010 7:45 pm Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.19min 19.90PPBV m

response 2435629

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16122.D M3W644.M Wed Apr 07 11:36:28 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	100860	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	493574	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.59	82	240338	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.59	82	240519	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	139698	4.82	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.40%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	43945	5.21	PPBV	97
4) CHLORODIFLUOROMETHANE	4.19	67	17020	5.17	PPBV	99
5) DICHLORODIFLUOROMETHANE	4.26	85	177893	5.23	PPBV	100
6) PROPYLENE	4.21	41	51087	5.17	PPBV	100
7) FREON 114	4.43	85	187613	5.24	PPBV	99
8) CHLOROMETHANE	4.37	50	56123	5.07	PPBV	96
9) VINYL CHLORIDE	4.52	62	66872	5.20	PPBV	100
10) 1,3-BUTADIENE	4.60	54	47924	5.15	PPBV	99
11) n-BUTANE	4.63	43	90086	5.16	PPBV	100
12) BROMOMETHANE	4.79	94	62561	5.11	PPBV	99
13) CHLOROETHANE	4.90	64	33712	4.95	PPBV	99
14) FREON 123	5.22	83	147262	5.03	PPBV	100
15) FREON 123A	5.26	117	87856	5.08	PPBV	99
16) TRICHLOROFLUOROMETHANE	5.41	101	163708	5.05	PPBV	100
17) ISOPROPYL ALCOHOL	5.50	45	87419	4.59	PPBV	100
18) ACETONE	5.31	58	24721	4.78	PPBV	97
19) PENTANE	5.62	42	56103	5.01	PPBV	100
20) TVHC as EQUIV PENTANE	5.62	TIC	269111m	5.05	PPBV	
21) IODOMETHANE	5.82	142	164588	5.11	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.87	96	59511	5.10	PPBV	100
23) CARBON DISULFIDE	6.18	76	178707	5.18	PPBV	100
24) ETHANOL	5.03	45	20482	4.60	PPBV	99
25) BROMOETHENE	5.14	106	62084	5.04	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	53372	5.11	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	27710	5.04	PPBV	97
28) FREON 113	6.12	151	104519	5.17	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	62440	5.13	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.90	59	121474	4.55	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	155593	4.88	PPBV	99
32) TETRAHYDROFURAN	8.09	72	26466	4.67	PPBV	98
33) HEXANE	7.57	57	90264	5.23	PPBV	98
34) VINYL ACETATE	6.92	86	12422	4.77	PPBV	97
35) 1,1-DICHLOROETHANE	6.81	63	109624	5.15	PPBV	100
36) METHYL ETHYL KETONE	7.12	72	25720	4.58	PPBV	93
37) cis-1,2-DICHLOROETHYLENE	7.53	96	64509	5.14	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	156231	4.89	PPBV	100
39) ETHYL ACETATE	7.66	61	14833	4.63	PPBV	96
40) CHLOROFORM	7.75	83	126432	5.11	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.33	57	113719	5.13	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.60	97	133634	5.09	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	140618	5.12	PPBV	100
44)	1,2-DICHLOROETHANE	8.38	62	70607	4.98	PPBV	100
46)	BENZENE	9.02	78	187214	5.25	PPBV	100
47)	CYCLOHEXANE	9.20	56	96464	5.34	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.38	71	43772	5.39	PPBV	98
49)	TRICHLOROETHYLENE	9.99	95	79851	5.34	PPBV	100
50)	1,2-DICHLOROPROPANE	9.74	63	66729	5.13	PPBV	100
51)	BROMODICHLOROMETHANE	9.96	83	129866	5.18	PPBV	99
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	289119	5.31	PPBV	100
53)	1,4-DIOXANE	10.03	88	37228	4.87	PPBV	98
54)	HEPTANE	10.16	43	96380	5.25	PPBV	99
55)	TVHC as EQUIV HEPTANE	10.17	TIC	638704m	5.09	PPBV	
56)	METHYL METHACRYLATE	10.18	69	51016	4.71	PPBV	94
57)	METHYL ISOBUTYL KETONE	10.81	43	95217	4.55	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.83	75	98121	5.08	PPBV	98
59)	TOLUENE	11.76	92	124254	5.17	PPBV	100
60)	trans-1,3-DICHLOROPROPENE	11.34	75	74694	4.77	PPBV	99
61)	1,1,2-TRICHLOROETHANE	11.50	83	60417	5.12	PPBV	100
63)	2-HEXANONE	12.00	43	88671	4.62	PPBV	100
64)	TETRACHLOROETHYLENE	12.90	164	86024	5.52	PPBV	99
65)	DIBROMOCHLOROMETHANE	12.21	129	125765	5.27	PPBV	99
66)	1,2-DIBROMOETHANE	12.42	107	93271	5.12	PPBV	100
67)	OCTANE	12.67	43	131117	5.46	PPBV	99
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	86878	5.42	PPBV	99
69)	CHLOROBENZENE	13.63	112	144785	5.38	PPBV	99
70)	ETHYLBENZENE	14.00	91	249451	5.32	PPBV	100
71)	m,p-XYLENE	14.18	106	184901	10.76	PPBV	100
72)	o-XYLENE	14.69	106	90328	5.39	PPBV	99
73)	STYRENE	14.60	104	118083	4.93	PPBV	99
74)	NONANE	14.87	43	117816	5.45	PPBV	100
75)	BROMOFORM	14.31	173	100547	5.02	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	114783	5.22	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	91275	5.25	PPBV	99
79)	ISOPROPYLBENZENE	15.34	105	262326	5.30	PPBV	99
80)	2-CHLOROTOLUENE	15.91	126	57902	5.30	PPBV	99
81)	n-PROPYLBENZENE	15.93	120	64336	5.26	PPBV	100
82)	4-ETHYLTOLUENE	16.11	105	218526	5.09	PPBV	99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	188173	5.25	PPBV	99
84)	tert-BUTYLBENZENE	16.68	134	42879	5.29	PPBV	99
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	169940	5.19	PPBV	98
86)	m-DICHLOROBENZENE	16.88	146	92719	4.92	PPBV	100
87)	BENZYL CHLORIDE	16.88	91	94947	4.44	PPBV	100
88)	p-DICHLOROBENZENE	16.97	146	86478	4.89	PPBV	99
89)	sec-BUTYLBENZENE	17.00	134	49627	5.15	PPBV	97
90)	p-ISOPROPYLTOLUENE	17.19	134	48199	4.97	PPBV	98
91)	o-DICHLOROBENZENE	17.39	146	83362	4.98	PPBV	100
92)	n-BUTYLBENZENE	17.69	134	35525	4.71	PPBV	97
93)	HEXACHLOROBUTADIENE	19.94	225	24643	4.26	PPBV	100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	12891	3.90	PPBV	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:44 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

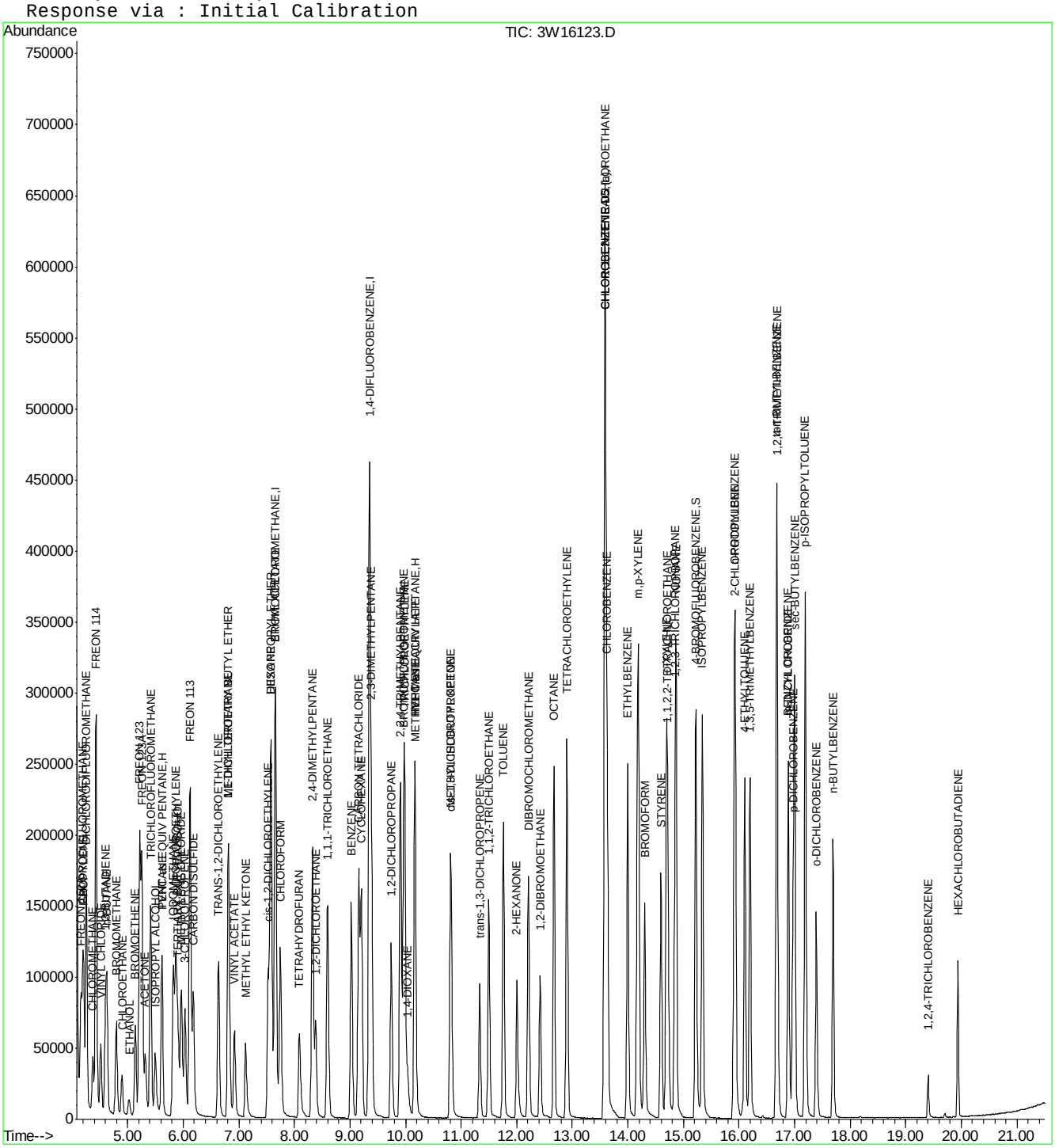
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

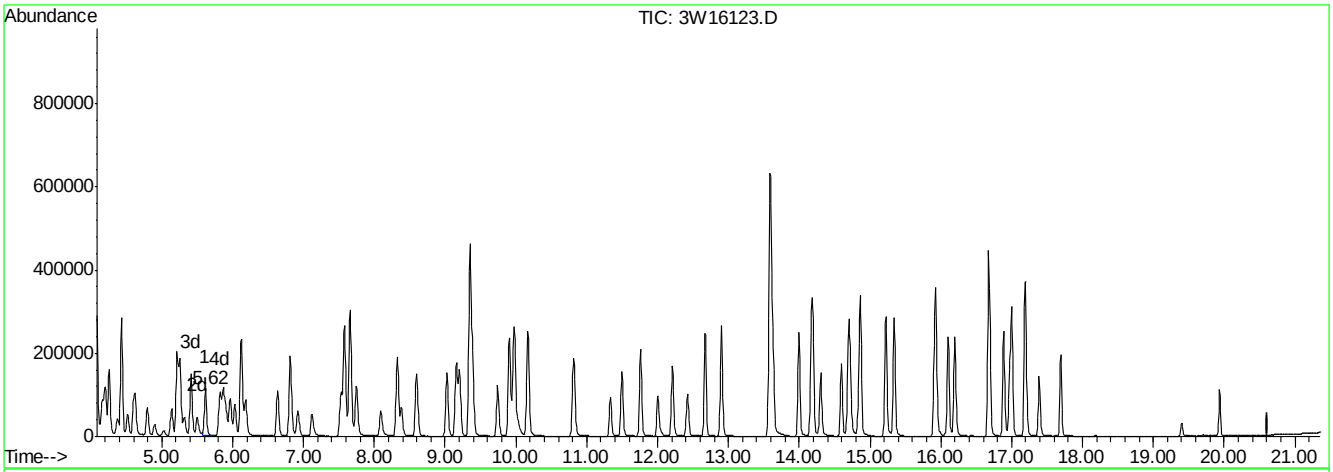


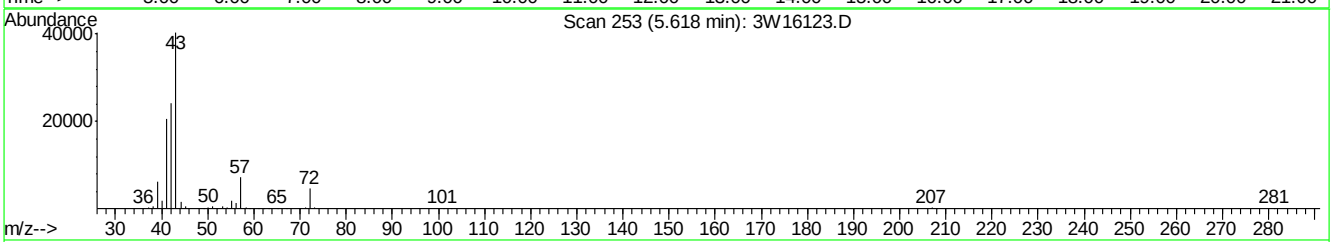
ACCUTEST JA45152 Laboratories

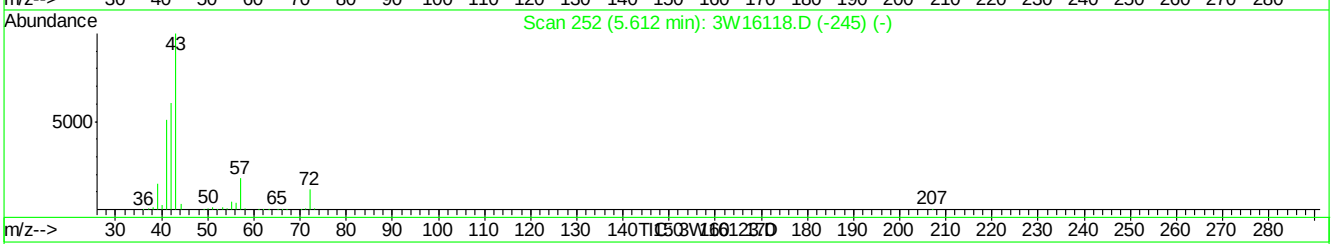
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(20) TVHC as EQUIV PENTANE (H)

5.62min 5.05PPBV m

response 269111

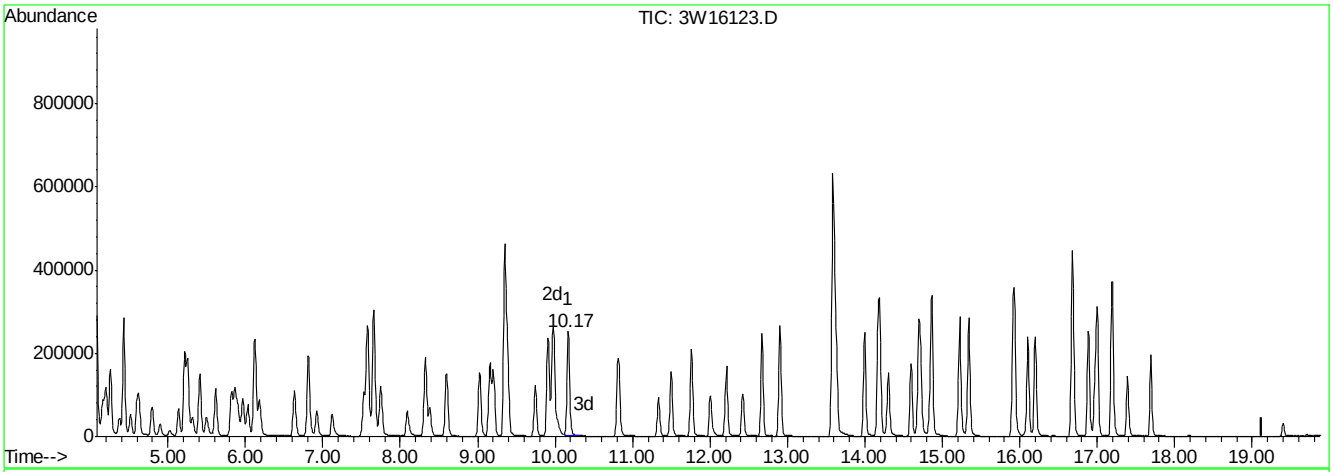
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16123.D M3W644.M Wed Apr 07 11:36:36 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16123.D Vial: 2
Acq On : 6 Apr 2010 8:23 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.17min 5.09PPBV m

response 638704

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16123.D M3W644.M Wed Apr 07 11:36:39 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	101458	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	486504	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	223991	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	224773	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	116705	4.32	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 86.40%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	4185	0.49	PPBV	65
4) CHLORODIFLUOROMETHANE	4.19	67	1691	0.51	PPBV	92
5) DICHLORODIFLUOROMETHANE	4.26	85	17296	0.51	PPBV	97
6) PROPYLENE	4.21	41	4822	0.48	PPBV	96
7) FREON 114	4.43	85	18600	0.52	PPBV	99
8) CHLOROMETHANE	4.37	50	5606	0.50	PPBV	99
9) VINYL CHLORIDE	4.51	62	6391	0.49	PPBV	99
10) 1,3-BUTADIENE	4.60	54	4149	0.44	PPBV	98
11) n-BUTANE	4.62	43	9025	0.51	PPBV	98
12) BROMOMETHANE	4.78	94	6094	0.49	PPBV	99
13) CHLOROETHANE	4.89	64	3269	0.48	PPBV	98
14) FREON 123	5.21	83	14892	0.51	PPBV	100
15) FREON 123A	5.25	117	8824	0.51	PPBV	98
16) TRICHLOROFLUOROMETHANE	5.41	101	16455	0.50	PPBV	98
17) ISOPROPYL ALCOHOL	5.50	45	8898	0.46	PPBV	92
18) ACETONE	5.33	58	2600	0.50	PPBV	98
19) PENTANE	5.61	42	5502	0.49	PPBV	97
20) TVHC as EQUIV PENTANE	5.61	TIC	24642m	0.46	PPBV	
21) IODOMETHANE	5.81	142	15821	0.49	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.86	96	5971	0.51	PPBV	95
23) CARBON DISULFIDE	6.17	76	17516	0.50	PPBV	97
24) ETHANOL	5.02	45	2697	0.60	PPBV	96
25) BROMOETHENE	5.13	106	5936	0.48	PPBV	97
26) METHYLENE CHLORIDE	5.96	84	5846	0.56	PPBV	98
27) 3-CHLOROPROPENE	6.02	76	2575	0.47	PPBV	94
28) FREON 113	6.11	151	10416	0.51	PPBV	99
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	5858	0.48	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.91	59	12371	0.46	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	14634	0.46	PPBV	96
32) TETRAHYDROFURAN	8.11	72	2264	0.40	PPBV	96
33) HEXANE	7.56	57	8449	0.49	PPBV	97
34) VINYL ACETATE	6.91	86	947	0.36	PPBV #	83
35) 1,1-DICHLOROETHANE	6.80	63	10763	0.50	PPBV	98
36) METHYL ETHYL KETONE	7.13	72	2188	0.39	PPBV	97
37) cis-1,2-DICHLOROETHYLENE	7.51	96	5752	0.46	PPBV	98
38) DIISOPROPYL ETHER	7.58	45	14752	0.46	PPBV	97
39) ETHYL ACETATE	7.67	61	1484	0.46	PPBV #	79
40) CHLOROFORM	7.73	83	11898	0.48	PPBV	97
41) 2,4-DIMETHYLPENTANE	8.31	57	10468	0.47	PPBV	98
42) 1,1,1-TRICHLOROETHANE	8.59	97	12636	0.48	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	13450	0.49	PPBV		99
44)	1,2-DICHLOROETHANE	8.37	62	6779	0.47	PPBV		99
46)	BENZENE	9.01	78	17984	0.51	PPBV		98
47)	CYCLOHEXANE	9.20	56	9097	0.51	PPBV		86
48)	2,3-DIMETHYLPENTANE	9.37	71	4552	0.57	PPBV	#	22
49)	TRICHLOROETHYLENE	9.97	95	7546	0.51	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	6245	0.49	PPBV		98
51)	BROMODICHLOROMETHANE	9.96	83	11809	0.48	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.90	57	27714	0.52	PPBV		99
53)	1,4-DIOXANE	10.06	88	3835	0.51	PPBV		94
54)	HEPTANE	10.16	43	9322	0.51	PPBV		97
55)	TVHC as EQUIV HEPTANE	10.16	TIC	57355m	0.46	PPBV		
56)	METHYL METHACRYLATE	10.17	69	3929	0.37	PPBV	#	75
57)	METHYL ISOBUTYL KETONE	10.81	43	7951	0.39	PPBV		98
58)	cis-1,3-DICHLOROPROPENE	10.81	75	8083	0.42	PPBV		97
59)	TOLUENE	11.75	92	11298	0.48	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	5939	0.38	PPBV		95
61)	1,1,2-TRICHLOROETHANE	11.49	83	5417	0.47	PPBV		99
63)	2-HEXANONE	12.01	43	7207	0.40	PPBV		95
64)	TETRACHLOROETHYLENE	12.90	164	7831	0.54	PPBV		99
65)	DIBROMOCHLOROMETHANE	12.20	129	10202	0.46	PPBV		99
66)	1,2-DIBROMOETHANE	12.41	107	7562	0.45	PPBV		100
67)	OCTANE	12.67	43	11583	0.52	PPBV		99
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	8038	0.54	PPBV		99
69)	CHLOROBENZENE	13.62	112	13096	0.52	PPBV		98
70)	ETHYLBENZENE	13.99	91	20391	0.47	PPBV		99
71)	m,p-XYLENE	14.18	106	15272	0.95	PPBV		96
72)	o-XYLENE	14.69	106	7618	0.49	PPBV		99
73)	STYRENE	14.59	104	6743	0.30	PPBV		99
74)	NONANE	14.87	43	10533	0.52	PPBV		98
75)	BROMOFORM	14.30	173	7168	0.38	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	10206	0.50	PPBV		97
78)	1,2,3-TRICHLOROPROPANE	14.84	75	8084	0.50	PPBV		96
79)	ISOPROPYLBENZENE	15.33	105	22690	0.49	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	4599	0.45	PPBV		100
81)	n-PROPYLBENZENE	15.93	120	4910	0.43	PPBV		99
82)	4-ETHYLTOLUENE	16.10	105	15987	0.40	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	14638	0.44	PPBV		99
84)	tert-BUTYLBENZENE	16.67	134	3587	0.47	PPBV		94
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	13314	0.44	PPBV		90
86)	m-DICHLOROBENZENE	16.88	146	7382	0.42	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	6925	0.35	PPBV		98
88)	p-DICHLOROBENZENE	16.97	146	6822	0.41	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	4062	0.45	PPBV	#	93
90)	p-ISOPROPYLTOLUENE	17.18	134	3718	0.41	PPBV		94
91)	o-DICHLOROBENZENE	17.39	146	6802	0.44	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	2509	0.36	PPBV		93
93)	HEXACHLOROBUTADIENE	19.94	225	3542	0.66	PPBV		99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	1392	0.45	PPBV		93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:46 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

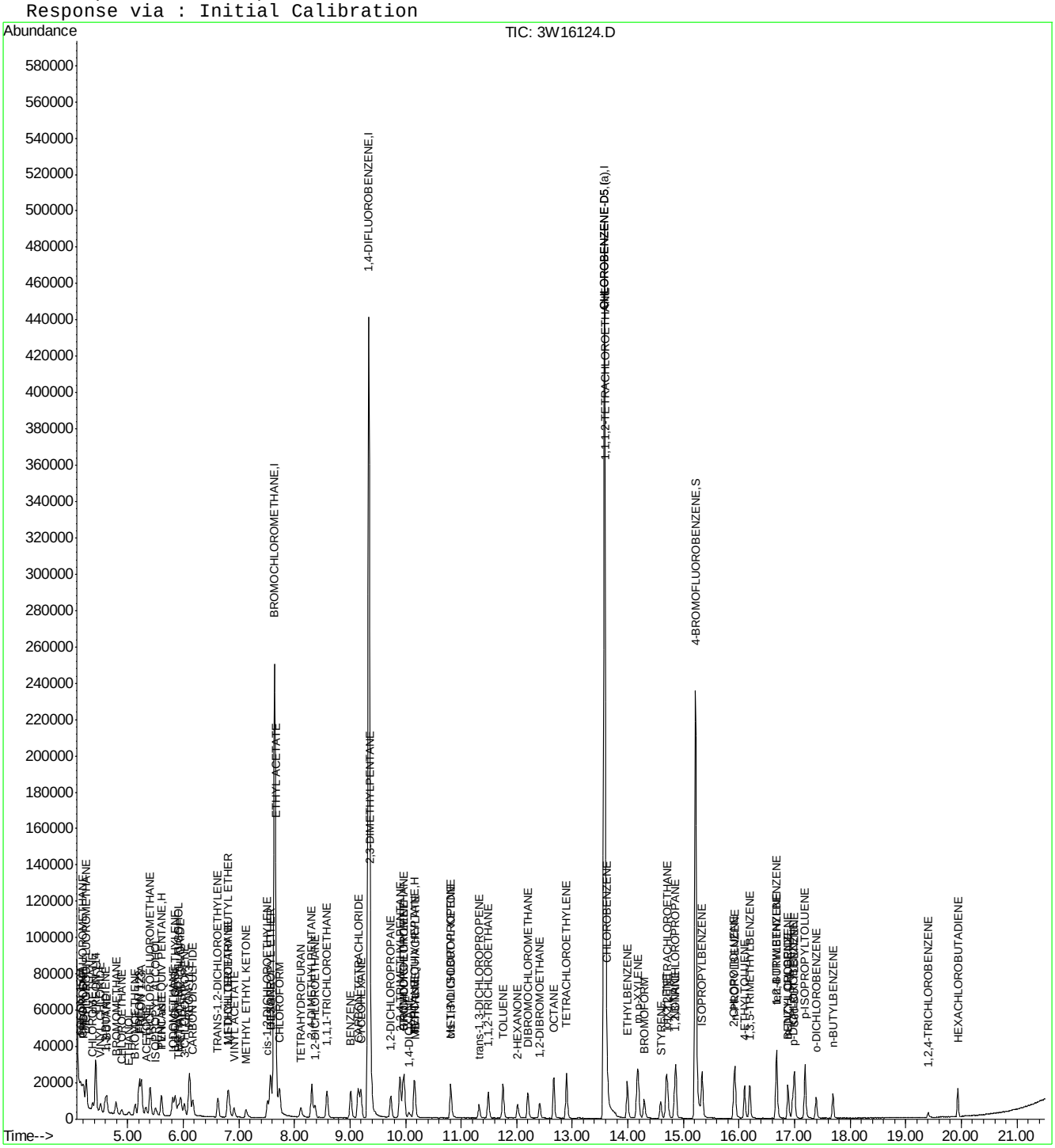
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

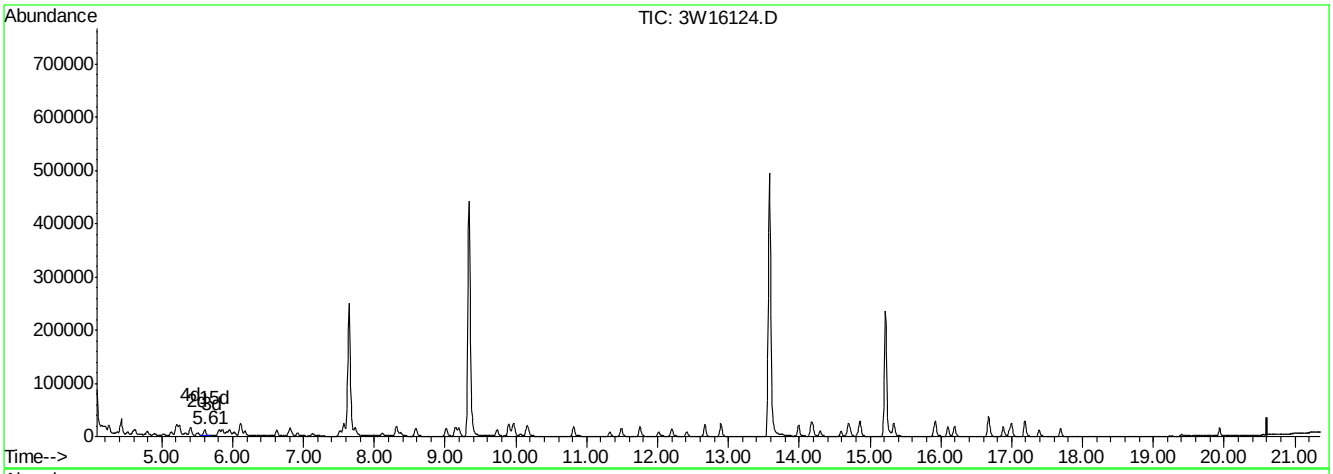


ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 0.46PPBV m

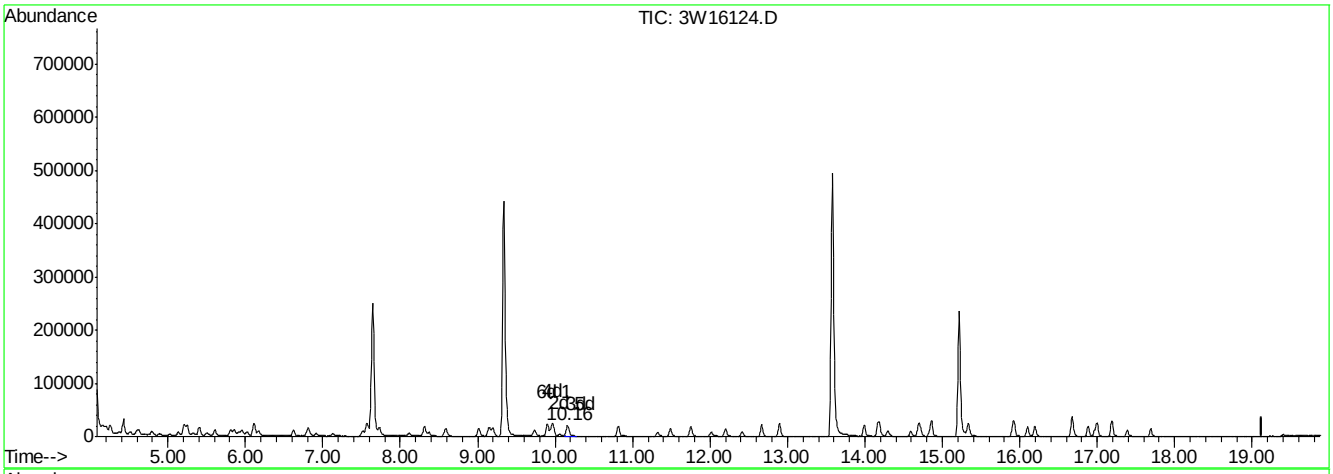
response 24642

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16124.D Vial: 1
Acq On : 6 Apr 2010 9:02 pm Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.46PPBV m

response 57355

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16124.D M3W644.M Wed Apr 07 11:36:49 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:48 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	99733	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	475250	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	212815	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	213065	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	106842	4.16	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.20%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	974	0.12	PPBV #	51
4) CHLORODIFLUOROMETHANE	4.19	67	399	0.12	PPBV #	36
5) DICHLORODIFLUOROMETHANE	4.26	85	3691	0.11	PPBV	99
6) PROPYLENE	4.21	41	1008	0.10	PPBV	92
7) FREON 114	4.43	85	4100	0.12	PPBV	99
8) CHLOROMETHANE	4.38	50	1379	0.13	PPBV	91
9) VINYL CHLORIDE	4.52	62	1416	0.11	PPBV #	92
10) 1,3-BUTADIENE	4.60	54	854	0.09	PPBV #	52
11) n-BUTANE	4.62	43	2130	0.12	PPBV #	95
12) BROMOMETHANE	4.80	94	1329	0.11	PPBV #	71
13) CHLOROETHANE	4.90	64	699	0.10	PPBV	92
14) FREON 123	5.22	83	3282	0.11	PPBV	98
15) FREON 123A	5.25	117	1956	0.11	PPBV	93
16) TRICHLOROFLUOROMETHANE	5.41	101	3672	0.11	PPBV	100
17) ISOPROPYL ALCOHOL	5.54	45	2018	0.11	PPBV	81
18) ACETONE	5.37	58	616	0.12	PPBV #	51
19) PENTANE	5.61	42	1545	0.14	PPBV	87
20) TVHC as EQUIV PENTANE	5.61	TIC	6218m	0.12	PPBV	
21) IODOMETHANE	5.82	142	3418	0.11	PPBV	96
22) 1,1-DICHLOROETHYLENE	5.86	96	1341	0.12	PPBV	93
23) CARBON DISULFIDE	6.18	76	3887	0.11	PPBV	88
25) BROMOETHENE	5.14	106	1259	0.10	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	527	0.10	PPBV #	91
28) FREON 113	6.12	151	2223	0.11	PPBV	96
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	1248	0.10	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.96	59	2335	0.09	PPBV	87
31) METHYL TERTIARY BUTYL ETHE	6.85	73	3158	0.10	PPBV	87
32) TETRAHYDROFURAN	8.16	72	381	0.07	PPBV #	61
33) HEXANE	7.56	57	1799	0.11	PPBV #	81
34) VINYL ACETATE	6.93	86	197	0.08	PPBV #	44
35) 1,1-DICHLOROETHANE	6.80	63	2439	0.12	PPBV	96
36) METHYL ETHYL KETONE	7.17	72	399	0.07	PPBV	92
37) cis-1,2-DICHLOROETHYLENE	7.52	96	1141	0.09	PPBV	92
38) DIISOPROPYL ETHER	7.60	45	3217	0.10	PPBV	96
39) ETHYL ACETATE	7.70	61	252	0.08	PPBV #	82
40) CHLOROFORM	7.74	83	2589	0.11	PPBV	94
41) 2,4-DIMETHYLPENTANE	8.33	57	2241	0.10	PPBV	95
42) 1,1,1-TRICHLOROETHANE	8.59	97	2637	0.10	PPBV	98
43) CARBON TETRACHLORIDE	9.15	117	2829	0.10	PPBV	97
44) 1,2-DICHLOROETHANE	8.37	62	1477	0.11	PPBV #	93

(#) = qualifier out of range (m) = manual integration
3W16125.D M3W644.M Wed Apr 07 11:35:12 2010 MS3W Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:48 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

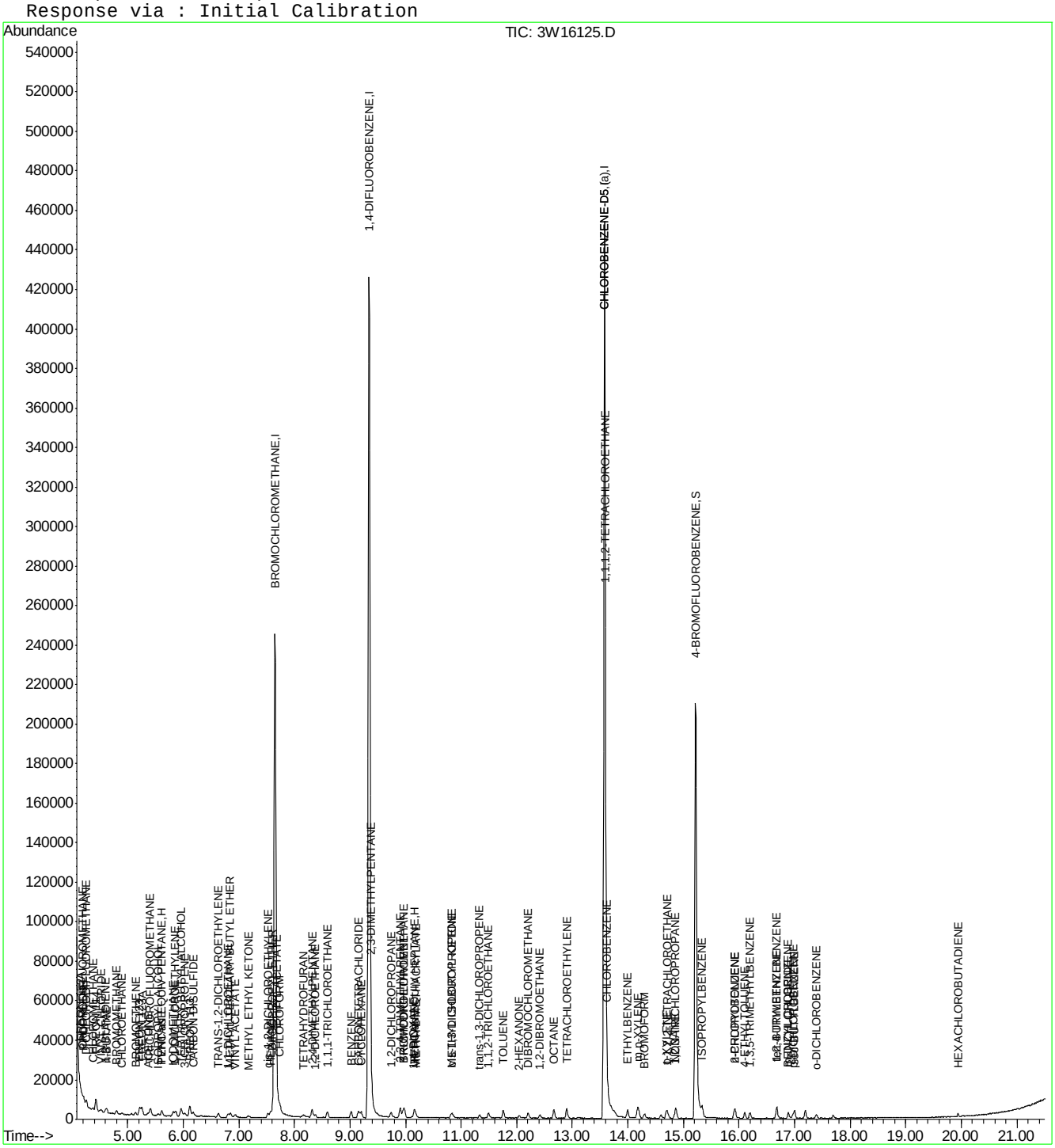
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	BENZENE	9.03	78	3805	0.11	PPBV		98
47)	CYCLOHEXANE	9.20	56	1936	0.11	PPBV		96
48)	2,3-DIMETHYLPENTANE	9.38	71	956	0.12	PPBV	#	1
49)	TRICHLOROETHYLENE	9.98	95	1597	0.11	PPBV		96
50)	1,2-DICHLOROPROPANE	9.74	63	1809	0.14	PPBV		84
51)	BROMODICHLOROMETHANE	9.96	83	2496	0.10	PPBV		95
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	5787	0.11	PPBV		99
53)	1,4-DIOXANE	10.13	88	762	0.10	PPBV	#	57
54)	HEPTANE	10.16	43	2187	0.12	PPBV		91
55)	TVHC as EQUIV HEPTANE	10.16	TIC	12243m	0.10	PPBV		
56)	METHYL METHACRYLATE	10.19	69	818	0.08	PPBV	#	1
57)	METHYL ISOBUTYL KETONE	10.84	43	1557	0.08	PPBV		91
58)	cis-1,3-DICHLOROPROPENE	10.83	75	1659	0.09	PPBV		90
59)	TOLUENE	11.76	92	2548	0.11	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.34	75	1262	0.08	PPBV		94
61)	1,1,2-TRICHLOROETHANE	11.49	83	1080	0.09	PPBV		97
63)	2-HEXANONE	12.04	43	1421	0.08	PPBV	#	82
64)	TETRACHLOROETHYLENE	12.91	164	1644	0.12	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.21	129	2030	0.10	PPBV		96
66)	1,2-DIBROMOETHANE	12.42	107	1597	0.10	PPBV	#	96
67)	OCTANE	12.67	43	2160	0.10	PPBV		98
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	1560	0.11	PPBV		95
69)	CHLOROBENZENE	13.63	112	2778	0.12	PPBV		88
70)	ETHYLBENZENE	14.00	91	4239	0.10	PPBV		98
71)	m,p-XYLENE	14.18	106	2942	0.19	PPBV		96
72)	o-XYLENE	14.69	106	1397	0.09	PPBV		90
74)	NONANE	14.86	43	1776	0.09	PPBV	#	89
75)	BROMOFORM	14.29	173	1536	0.09	PPBV	#	89
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	1643	0.08	PPBV	#	92
78)	1,2,3-TRICHLOROPROPANE	14.85	75	1518	0.10	PPBV		87
79)	ISOPROPYLBENZENE	15.34	105	4380	0.10	PPBV		98
80)	2-CHLOROTOLUENE	15.91	126	871	0.09	PPBV		92
81)	n-PROPYLBENZENE	15.94	120	852	0.08	PPBV	#	61
82)	4-ETHYLTOLUENE	16.10	105	2794	0.07	PPBV	#	95
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	2588	0.08	PPBV		99
84)	tert-BUTYLBENZENE	16.67	134	556	0.08	PPBV	#	85
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	2105	0.07	PPBV		88
86)	m-DICHLOROBENZENE	16.88	146	1345	0.08	PPBV		98
87)	BENZYL CHLORIDE	16.88	91	1311	0.07	PPBV	#	79
88)	p-DICHLOROBENZENE	16.98	146	1334	0.09	PPBV		97
89)	sec-BUTYLBENZENE	17.00	134	599	0.07	PPBV	#	84
91)	o-DICHLOROBENZENE	17.39	146	1167	0.08	PPBV		96
93)	HEXACHLOROBUTADIENE	19.94	225	403	0.08	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

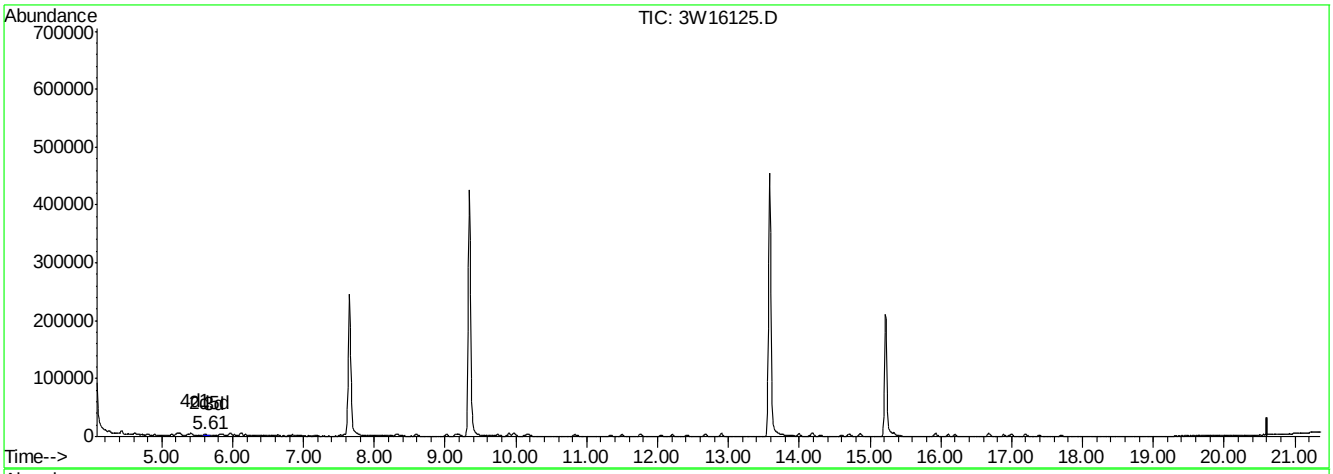


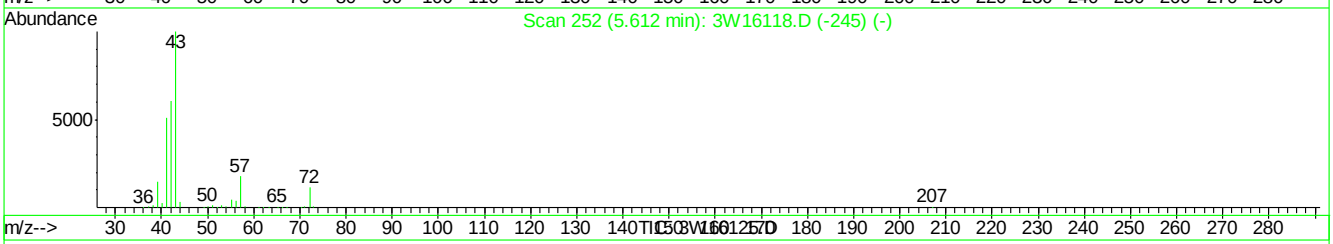
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.61min 0.12PPBV m

response 6218

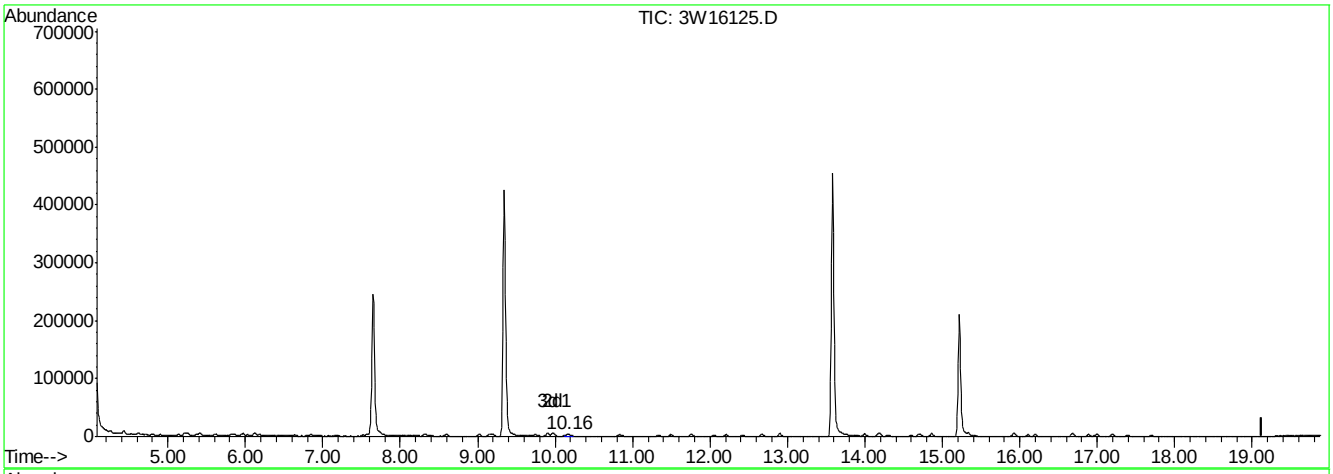
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

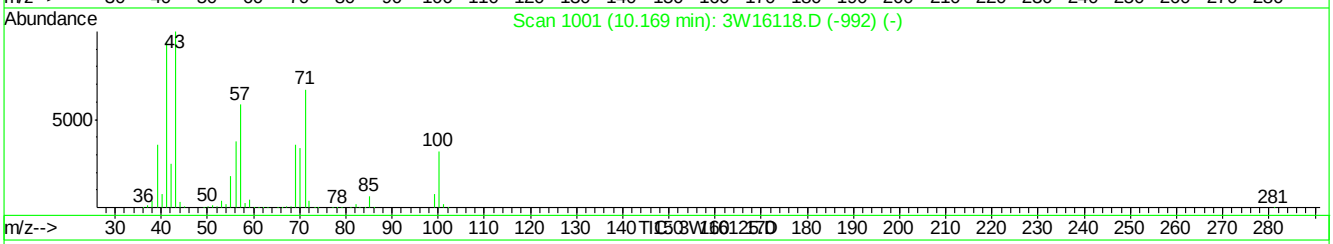
3W16125.D M3W644.M Wed Apr 07 11:37:09 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16125.D Vial: 4
Acq On : 6 Apr 2010 9:41 pm Operator: YOUMINH
Sample : IC644-0.1 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.10PPBV m

response 12243

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16125.D M3W644.M Wed Apr 07 11:37:12 2010 MS3W

3W16126.D

Manual Integrations APPROVED (compounds with "m" flag)

Jessica Reitan-Chu 04/08/10 08:39

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:49 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	97080	10.00	PPBV		-0.01
45) 1,4-DIFLUOROBENZENE	9.35	114	459464	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	13.58	82	207628	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	207628	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	102355	4.09	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 81.80%				
Target Compounds							Qvalue
3) FREON 152A	4.16	65	412	0.05	PPBV	#	51
4) CHLORODIFLUOROMETHANE	4.19	67	150	0.05	PPBV	#	36
5) DICHLORODIFLUOROMETHANE	4.26	85	1699	0.05	PPBV		99
6) PROPYLENE	4.21	41	461m	0.05	PPBV		
7) FREON 114	4.43	85	1703	0.05	PPBV		98
9) VINYL CHLORIDE	4.53	62	599	0.05	PPBV	#	90
10) 1,3-BUTADIENE	4.60	54	364	0.04	PPBV	#	30
12) BROMOMETHANE	4.80	94	521	0.04	PPBV	#	49
13) CHLOROETHANE	4.91	64	260	0.04	PPBV	#	46
14) FREON 123	5.22	83	1342	0.05	PPBV		96
15) FREON 123A	5.26	117	789	0.05	PPBV		91
16) TRICHLOROFLUOROMETHANE	5.41	101	1440	0.05	PPBV		93
17) ISOPROPYL ALCOHOL	5.58	45	796	0.04	PPBV		62
18) ACETONE	5.37	58	303	0.06	PPBV		90
20) TVHC as EQUIV PENTANE	5.61	TIC	2288m	0.04	PPBV		
21) IODOMETHANE	5.82	142	1299	0.04	PPBV		99
22) 1,1-DICHLOROETHYLENE	5.86	96	528	0.05	PPBV		94
23) CARBON DISULFIDE	6.18	76	1640	0.05	PPBV	#	50
25) BROMOETHENE	5.15	106	539	0.05	PPBV	#	91
27) 3-CHLOROPROPENE	6.03	76	230	0.04	PPBV	#	74
28) FREON 113	6.12	151	946	0.05	PPBV		94
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	525	0.04	PPBV		91
30) TERTIARY BUTYL ALCOHOL	5.98	59	664	0.03	PPBV	#	32
31) METHYL TERTIARY BUTYL ETHE	6.87	73	1140	0.04	PPBV		74
33) HEXANE	7.56	57	680	0.04	PPBV	#	73
35) 1,1-DICHLOROETHANE	6.80	63	1018	0.05	PPBV	#	79
37) cis-1,2-DICHLOROETHYLENE	7.52	96	449	0.04	PPBV		86
38) DIISOPROPYL ETHER	7.61	45	1138	0.04	PPBV	#	65
39) ETHYL ACETATE	7.52	61	655	0.21	PPBV	#	1
40) CHLOROFORM	7.74	83	1018	0.04	PPBV	#	87
41) 2,4-DIMETHYLPENTANE	8.32	57	904	0.04	PPBV		95
42) 1,1,1-TRICHLOROETHANE	8.59	97	1054	0.04	PPBV		98
43) CARBON TETRACHLORIDE	9.15	117	1179	0.04	PPBV		95
44) 1,2-DICHLOROETHANE	8.38	62	526	0.04	PPBV	#	83
46) BENZENE	9.03	78	1555	0.05	PPBV		97
47) CYCLOHEXANE	9.21	56	790	0.05	PPBV	#	82
49) TRICHLOROETHYLENE	9.99	95	706	0.05	PPBV		95
51) BROMODICHLOROMETHANE	9.96	83	975	0.04	PPBV		98
52) 2,2,4-TRIMETHYLPENTANE	9.91	57	2371	0.05	PPBV	#	95
54) HEPTANE	10.16	43	838	0.05	PPBV		90

(#) = qualifier out of range (m) = manual integration
3W16126.D M3W644.M Wed Apr 07 11:35:13 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:49 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

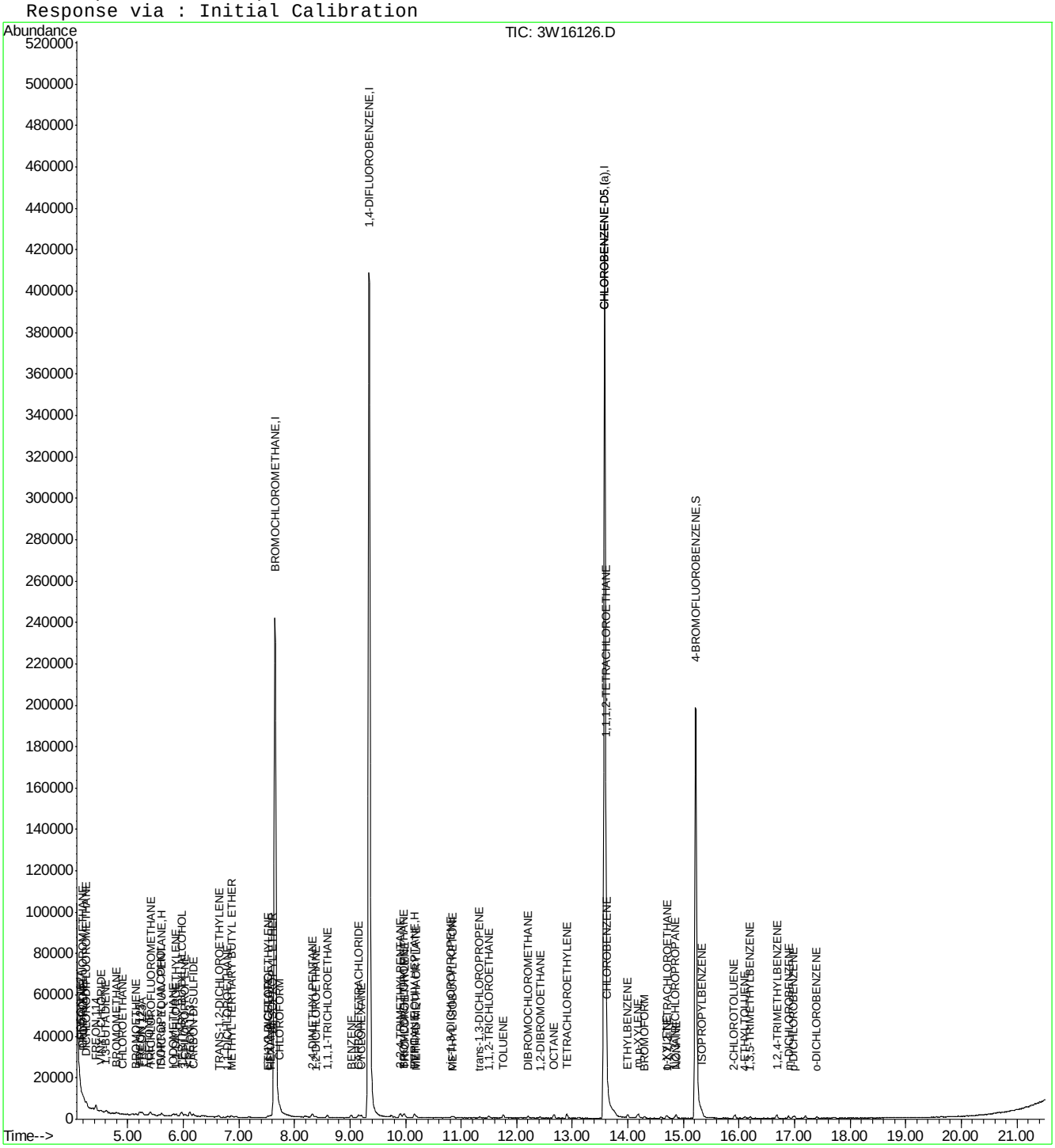
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
55) TVHC as EQUIV HEPTANE	10.16	TIC	4430m	0.04	PPBV		
56) METHYL METHACRYLATE	10.19	69	273	0.03	PPBV	#	1
57) METHYL ISOBUTYL KETONE	10.86	43	495	0.03	PPBV	#	71
58) cis-1,3-DICHLOROPROPENE	10.83	75	642	0.04	PPBV		97
59) TOLUENE	11.76	92	980	0.04	PPBV		91
60) trans-1,3-DICHLOROPROPENE	11.33	75	476	0.03	PPBV	#	56
61) 1,1,2-TRICHLOROETHANE	11.50	83	389	0.04	PPBV		96
64) TETRACHLOROETHYLENE	12.90	164	585	0.04	PPBV		95
65) DIBROMOCHLOROMETHANE	12.21	129	772	0.04	PPBV		98
66) 1,2-DIBROMOETHANE	12.42	107	599	0.04	PPBV	#	93
67) OCTANE	12.67	43	846	0.04	PPBV		92
68) 1,1,1,2-TETRACHLOROETHANE	13.61	131	561	0.04	PPBV		89
69) CHLOROBENZENE	13.63	112	1091	0.05	PPBV	#	43
70) ETHYLBENZENE	14.00	91	1538	0.04	PPBV	#	88
71) m,p-XYLENE	14.19	106	1037	0.07	PPBV	#	76
72) o-XYLENE	14.69	106	485	0.03	PPBV		92
74) NONANE	14.87	43	649	0.03	PPBV	#	87
75) BROMOFORM	14.30	173	558	0.03	PPBV	#	83
77) 1,1,2,2-TETRACHLOROETHANE	14.72	83	619	0.03	PPBV	#	91
78) 1,2,3-TRICHLOROPROPANE	14.85	75	537	0.04	PPBV		73
79) ISOPROPYLBENZENE	15.34	105	1603	0.04	PPBV		90
80) 2-CHLOROTOLUENE	15.91	126	273	0.03	PPBV	#	42
82) 4-ETHYLTOLUENE	16.11	105	929	0.03	PPBV	#	91
83) 1,3,5-TRIMETHYLBENZENE	16.20	105	789	0.03	PPBV	#	92
85) 1,2,4-TRIMETHYLBENZENE	16.69	105	655	0.02	PPBV	#	82
86) m-DICHLOROBENZENE	16.89	146	483	0.03	PPBV		89
88) p-DICHLOROBENZENE	16.97	146	448	0.03	PPBV		89
91) o-DICHLOROBENZENE	17.40	146	436	0.03	PPBV		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

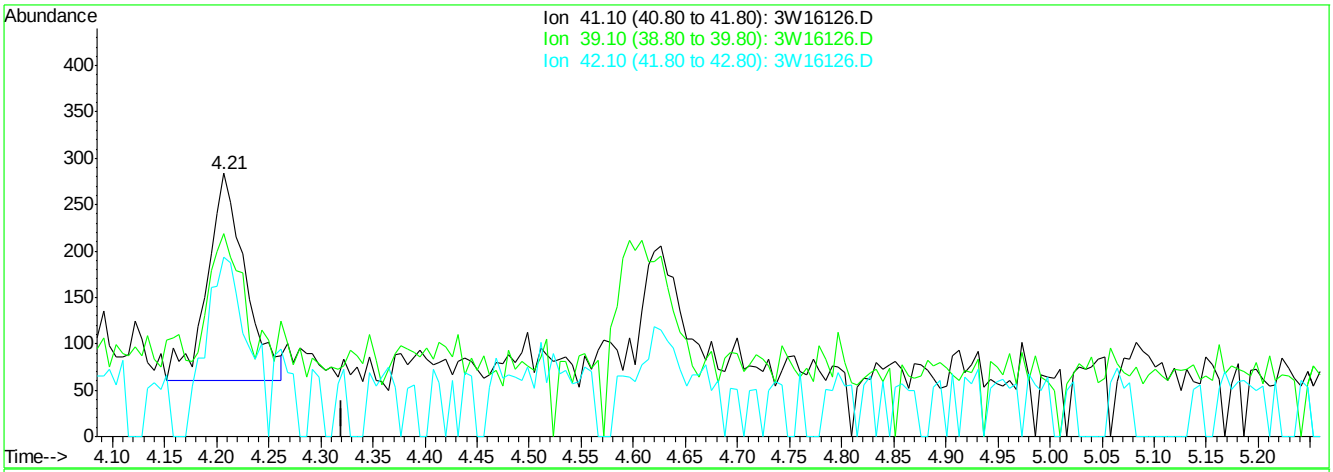


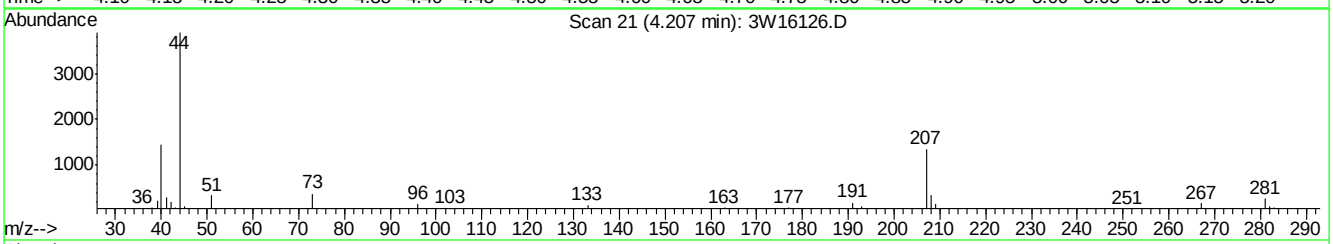
ACCUTEST JA45152 Laboratories

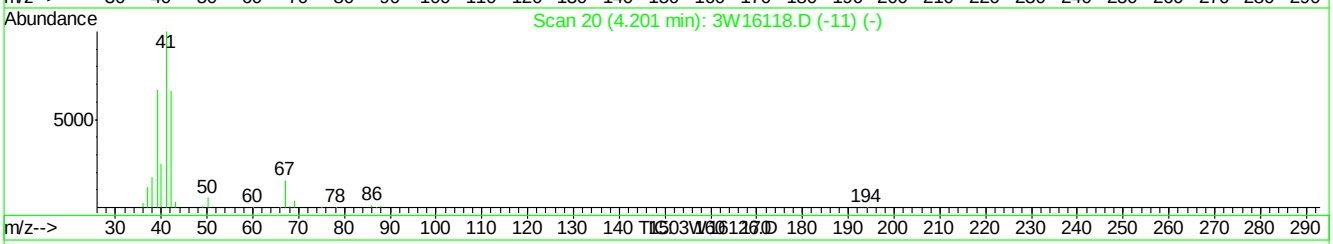
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Multiple Level Calibration







(6) PROPYLENE

4.21min 0.06PPBV

response 562

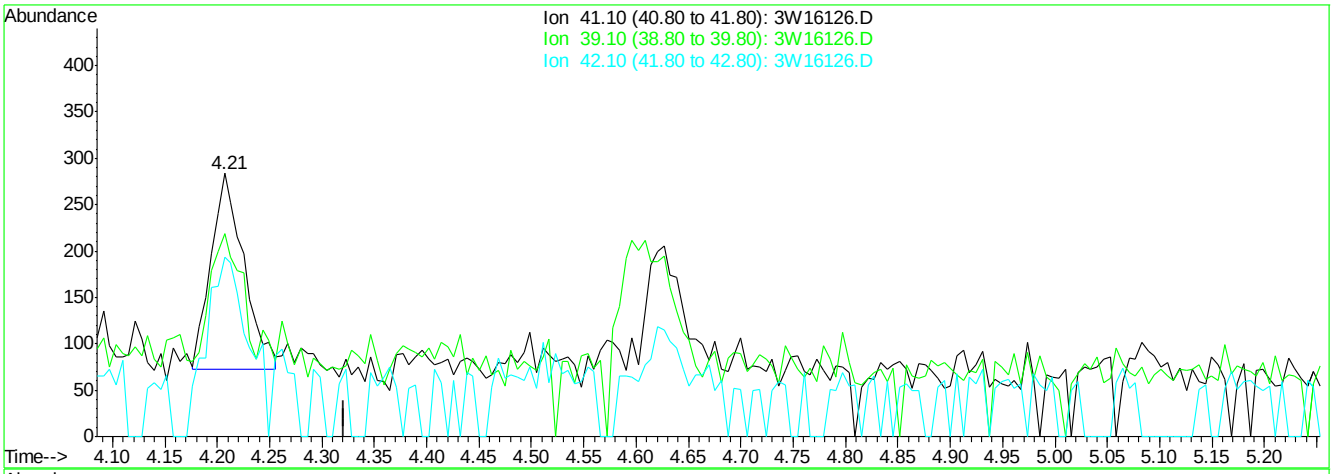
Ion	Exp%	Act%
41.10	100	100
39.10	67.50	48.40
42.10	67.60	95.73#
0.00	0.00	0.00

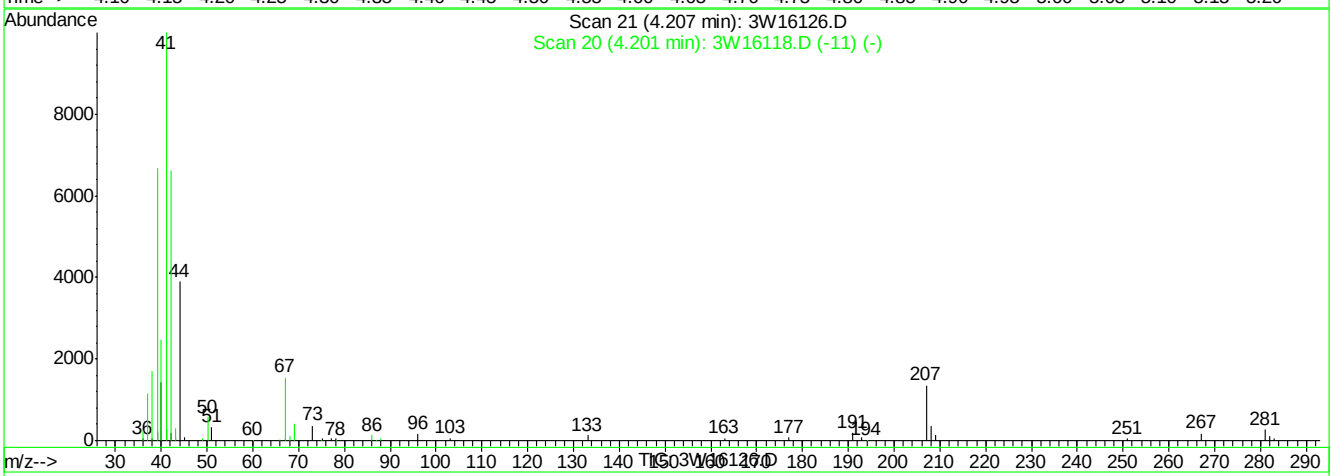
3W16126.D M3W644.M Wed Apr 07 09:04:51 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:04 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Multiple Level Calibration





(6) PROPYLENE

4.21min 0.05PPBV m

response 461

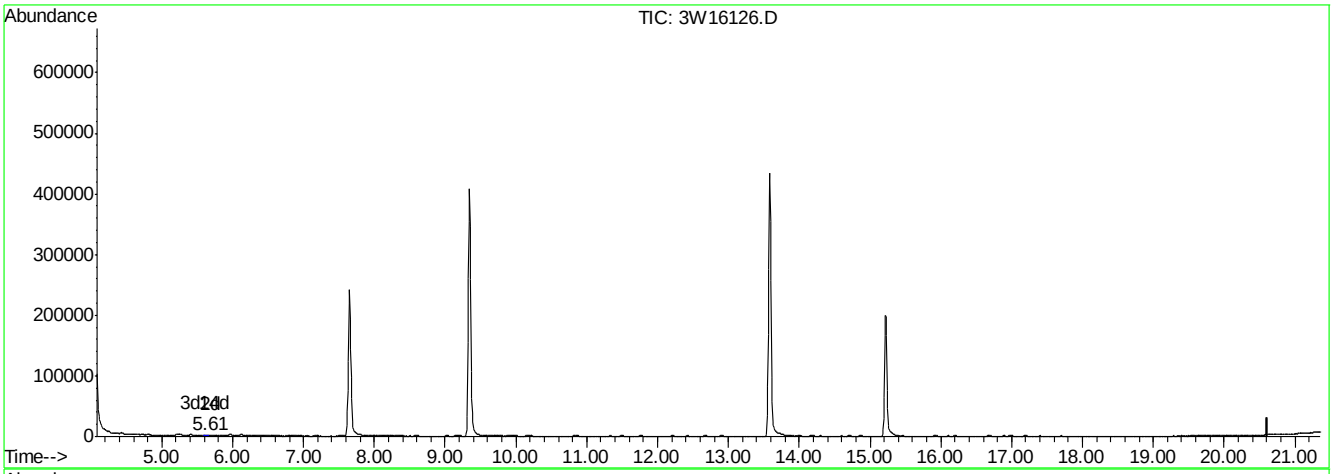
Ion	Exp%	Act%
41.10	100	100
39.10	67.50	59.00
42.10	67.60	116.70#
0.00	0.00	0.00

3W16126.D M3W644.M Wed Apr 07 09:05:00 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 0.04PPBV m

response 2288

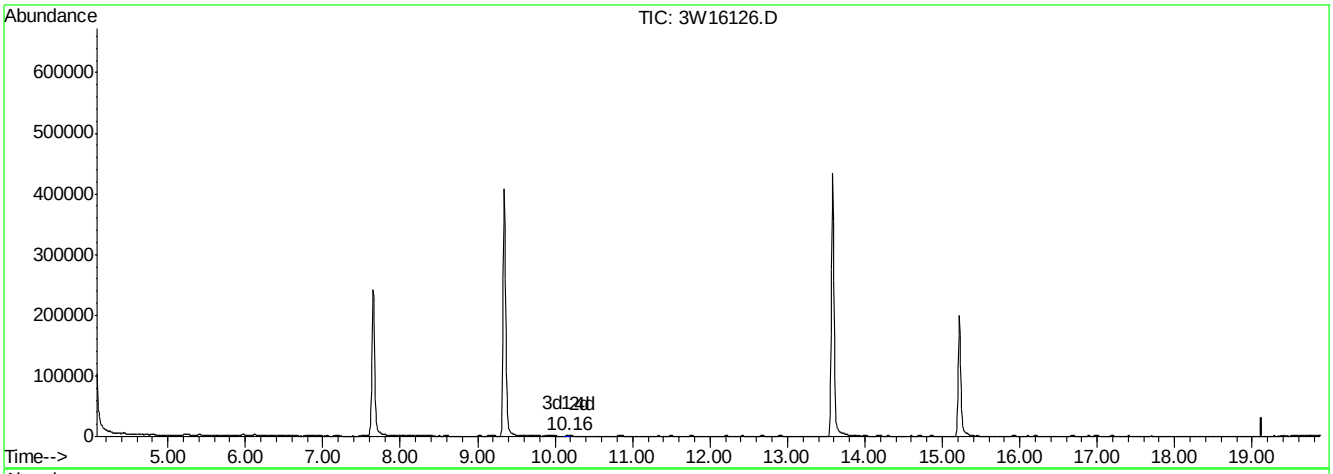
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16126.D M3W644.M Wed Apr 07 11:37:20 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16126.D Vial: 4
Acq On : 6 Apr 2010 10:20 pm Operator: YOUMINH
Sample : IC644-0.04 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 0.04PPBV m

response 4430

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16126.D M3W644.M Wed Apr 07 11:37:23 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16127.D Vial: 6
Acq On : 6 Apr 2010 11:36 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:06 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

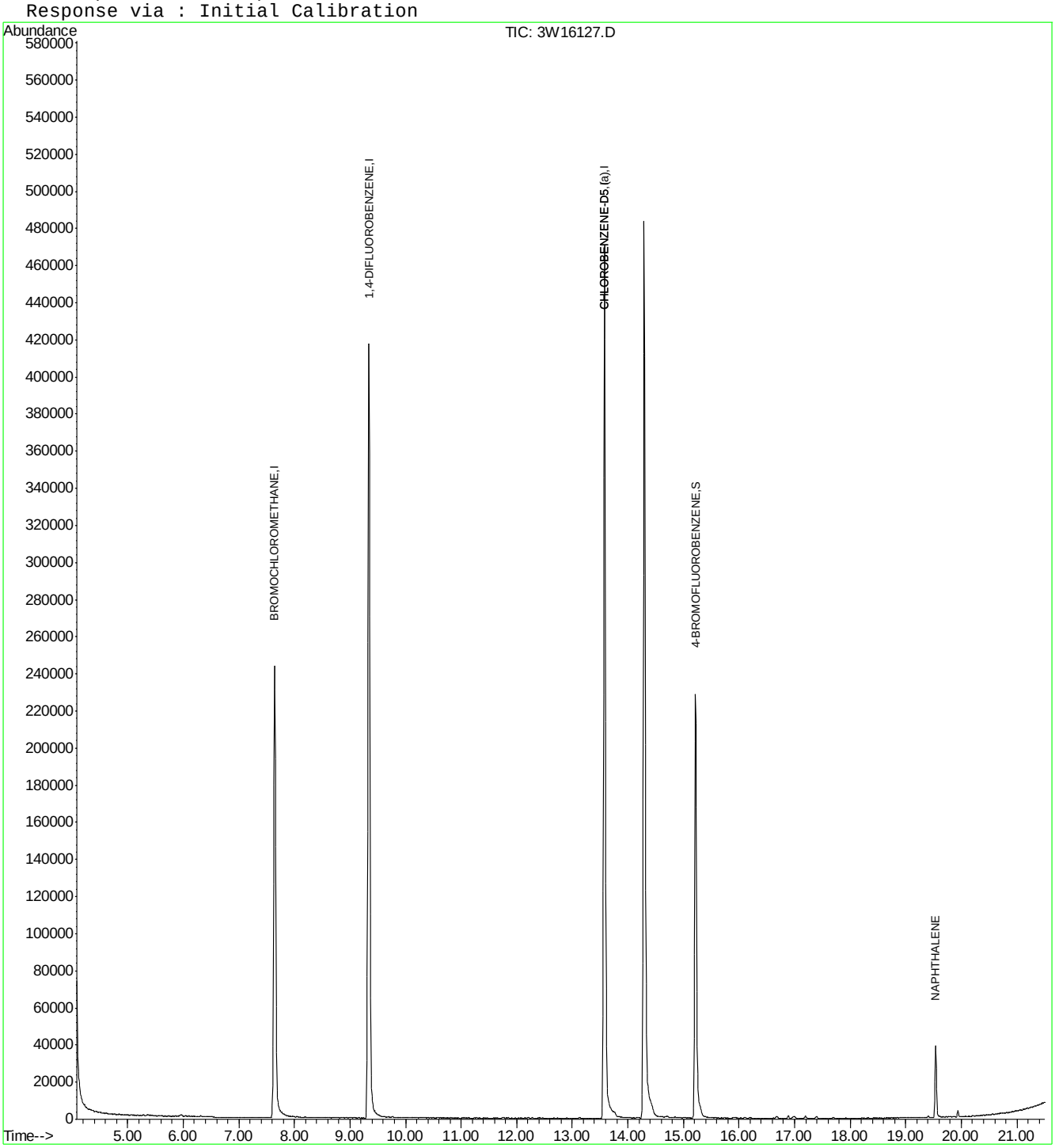
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	99181	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	470567	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	215338	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	216096	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	112675	4.74	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	37822	3.83	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16127.D M3W644.M Wed Apr 07 11:35:14 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16127.D Vial: 6
Acq On : 6 Apr 2010 11:36 pm Operator: YOUMINH
Sample : IC644-5.0 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:19 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16128.D Vial: 6
Acq On : 7 Apr 2010 12:14 am Operator: YOUMINH
Sample : IC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:10 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

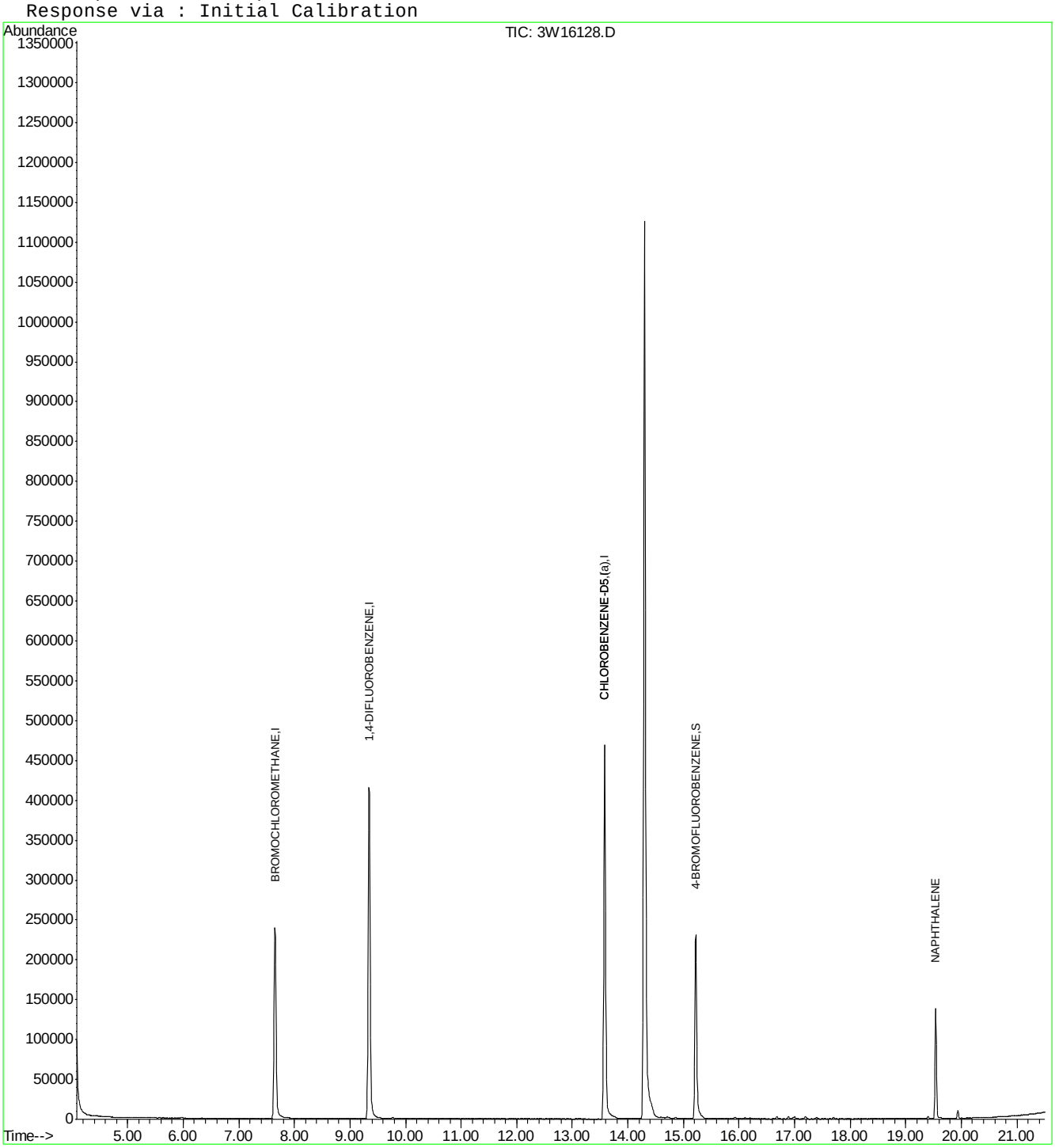
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	96561	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.35	114	463109	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	217269	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	217501	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	115409	4.81	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.20%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	127463	12.83	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16128.D M3W644.M Wed Apr 07 11:35:15 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16128.D Vial: 6
Acq On : 7 Apr 2010 12:14 am Operator: YOUMINH
Sample : IC644-10 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.67	128	94098	10.00	PPBV	0.01
45) 1,4-DIFLUOROBENZENE	9.37	114	476545	10.00	PPBV	0.01
62) CHLOROBENZENE-D5	13.60	82	259673	10.00	PPBV	0.01
95) CHLOROBENZENE-D5 (a)	13.60	82	259673	10.00	PPBV	0.01
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.25	95	157503	5.03	PPBV	0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
3) FREON 152A	4.16	65	340621	43.28	PPBV	99
4) CHLORODIFLUOROMETHANE	4.19	67	129280	42.12	PPBV	96
5) DICHLORODIFLUOROMETHANE	4.26	85	1236998	38.95	PPBV	98
6) PROPYLENE	4.21	41	366137	39.69	PPBV	99
7) FREON 114	4.44	85	1224713	36.63	PPBV	96
8) CHLOROMETHANE	4.38	50	446655	43.27	PPBV	98
9) VINYL CHLORIDE	4.52	62	517834	43.17	PPBV	100
10) 1,3-BUTADIENE	4.61	54	363984	41.91	PPBV	98
11) n-BUTANE	4.63	43	624768	38.32	PPBV	99
12) BROMOMETHANE	4.80	94	491598	43.05	PPBV	100
13) CHLOROETHANE	4.91	64	279308	43.96	PPBV	99
14) FREON 123	5.22	83	1021149	37.36	PPBV	98
15) FREON 123A	5.27	117	630232	39.03	PPBV	93
16) TRICHLOROFLUOROMETHANE	5.42	101	1236879	40.92	PPBV	99
17) ISOPROPYL ALCOHOL	5.53	45	806508	45.39	PPBV	99
18) ACETONE	5.32	58	219220	45.40	PPBV	98
19) PENTANE	5.62	42	414883	39.71	PPBV	99
20) TVHC as EQUIV PENTANE	5.62	TIC	1995922m	40.16	PPBV	
21) IODOMETHANE	5.83	142	1258053	41.89	PPBV	98
22) 1,1-DICHLOROETHYLENE	5.88	96	445673	40.93	PPBV	100
23) CARBON DISULFIDE	6.19	76	1344689	41.76	PPBV	99
24) ETHANOL	5.04	45	194237	46.78	PPBV	98
25) BROMOETHENE	5.14	106	479884	41.73	PPBV	100
26) METHYLENE CHLORIDE	5.98	84	405693	41.64	PPBV	100
27) 3-CHLOROPROPENE	6.04	76	221924	43.24	PPBV	98
28) FREON 113	6.14	151	781091	41.45	PPBV	96
29) TRANS-1,2-DICHLOROETHYLENE	6.65	96	493232	43.48	PPBV	99
30) TERTIARY BUTYL ALCOHOL	5.94	59	973284	39.04	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	1235471	41.52	PPBV	99
32) TETRAHYDROFURAN	8.09	72	247358	46.82	PPBV	98
33) HEXANE	7.58	57	575490	35.77	PPBV	98
34) VINYL ACETATE	6.93	86	113163	46.59	PPBV	100
35) 1,1-DICHLOROETHANE	6.83	63	776384	39.12	PPBV	99
36) METHYL ETHYL KETONE	7.13	72	248979	47.48	PPBV	93
37) cis-1,2-DICHLOROETHYLENE	7.55	96	491983	42.04	PPBV	99
38) DIISOPROPYL ETHER	7.60	45	1129039	37.90	PPBV	99
39) ETHYL ACETATE	7.68	61	142558	47.70	PPBV	95
40) CHLOROFORM	7.77	83	999650	43.27	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.34	57	826372	39.96	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.61	97	1040046	42.44	PPBV	99

(#) = qualifier out of range (m) = manual integration
3W16129.D M3W644.M Wed Apr 07 11:35:16 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.17	117	1069155	41.73	PPBV		100
44)	1,2-DICHLOROETHANE	8.40	62	597175	45.10	PPBV		100
46)	BENZENE	9.04	78	1458204	42.39	PPBV		100
47)	CYCLOHEXANE	9.22	56	701329	40.24	PPBV		96
48)	2,3-DIMETHYLPENTANE	9.40	71	323940	41.34	PPBV		92
49)	TRICHLOROETHYLENE	10.00	95	559238	38.77	PPBV		96
50)	1,2-DICHLOROPROPANE	9.76	63	541070	43.09	PPBV		98
51)	BROMODICHLOROMETHANE	9.98	83	946018	39.10	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.93	57	1989405	37.81	PPBV		99
53)	1,4-DIOXANE	10.04	88	339647	46.06	PPBV		98
54)	HEPTANE	10.17	43	631107	35.58	PPBV		95
55)	TVHC as EQUIV HEPTANE	10.18	TIC	4866523m	40.13	PPBV		
56)	METHYL METHACRYLATE	10.20	69	460088	43.97	PPBV		91
57)	METHYL ISOBUTYL KETONE	10.82	43	797663	39.44	PPBV		97
58)	cis-1,3-DICHLOROPROPENE	10.84	75	779084	41.80	PPBV		99
59)	TOLUENE	11.77	92	1002107	43.15	PPBV		97
60)	trans-1,3-DICHLOROPROPENE	11.35	75	724480	47.94	PPBV		100
61)	1,1,2-TRICHLOROETHANE	11.52	83	499216	43.78	PPBV		99
63)	2-HEXANONE	12.02	43	874649	42.20	PPBV		98
64)	TETRACHLOROETHYLENE	12.92	164	671035	39.88	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.23	129	1055785	40.95	PPBV		99
66)	1,2-DIBROMOETHANE	12.44	107	865602	43.96	PPBV		100
67)	OCTANE	12.68	43	877686	33.83	PPBV		93
68)	1,1,1,2-TETRACHLOROETHANE	13.62	131	693499	40.01	PPBV		100
69)	CHLOROBENZENE	13.65	112	1144622	39.40	PPBV		98
70)	ETHYLBENZENE	14.01	91	2009129	39.67	PPBV		97
71)	m,p-XYLENE	14.21	106	1430547	77.08	PPBV		93
72)	o-XYLENE	14.72	106	737914	40.76	PPBV		95
73)	STYRENE	14.62	104	1162124	44.89	PPBV		100
74)	NONANE	14.88	43	701442	30.04	PPBV		94
75)	BROMOFORM	14.34	173	983605	45.44	PPBV		99
77)	1,1,2,2-TETRACHLOROETHANE	14.76	83	981035	41.26	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.87	75	701087	37.35	PPBV		97
79)	ISOPROPYLBENZENE	15.36	105	2085943	39.01	PPBV		98
80)	2-CHLOROTOLUENE	15.93	126	482582	40.89	PPBV		100
81)	n-PROPYLBENZENE	15.95	120	531110	40.22	PPBV		99
82)	4-ETHYLTOLUENE	16.13	105	1900681	40.95	PPBV		97
83)	1,3,5-TRIMETHYLBENZENE	16.23	105	1572194	40.62	PPBV		98
84)	tert-BUTYLBENZENE	16.70	134	341278	38.94	PPBV	#	89
85)	1,2,4-TRIMETHYLBENZENE	16.72	105	1321037	37.32	PPBV	#	26
86)	m-DICHLOROBENZENE	16.92	146	896612	44.01	PPBV		99
87)	BENZYL CHLORIDE	16.92	91	1049839	45.45	PPBV		98
88)	p-DICHLOROBENZENE	16.99	146	849066	44.48	PPBV		99
89)	sec-BUTYLBENZENE	17.02	134	422731	40.60	PPBV	#	82
90)	p-ISOPROPYLTOLUENE	17.21	134	426341	40.72	PPBV	#	88
91)	o-DICHLOROBENZENE	17.41	146	832570	46.05	PPBV		99
92)	n-BUTYLBENZENE	17.71	134	378732	46.43	PPBV	#	86
93)	HEXACHLOROBUTADIENE	19.94	225	176219	28.17	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	138741	38.84	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 08:57:54 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 08:53:50 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

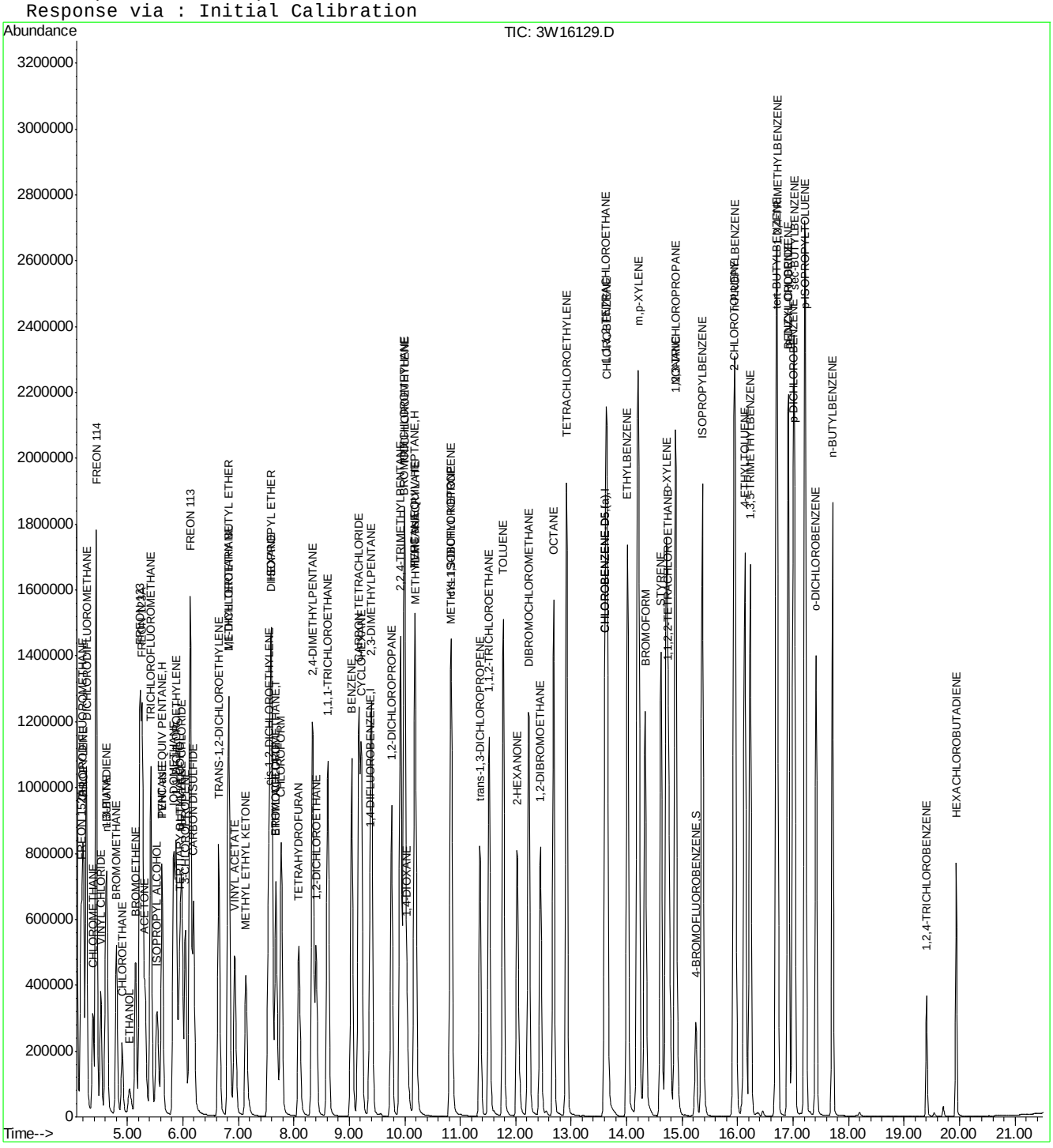
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16129.D M3W644.M Wed Apr 07 11:35:16 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

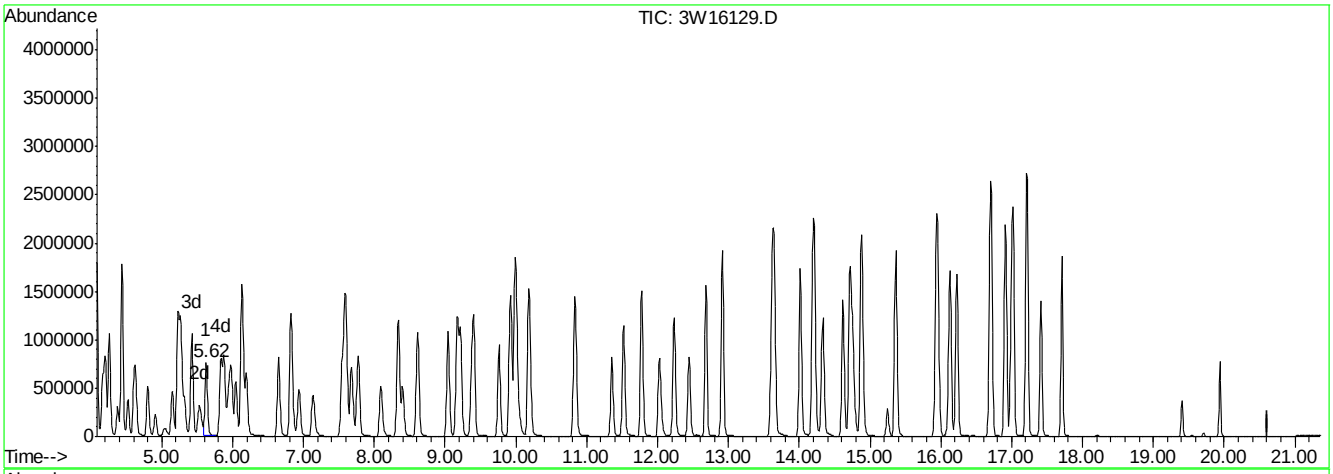


ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.62min 40.16PPBV m

response 1995922

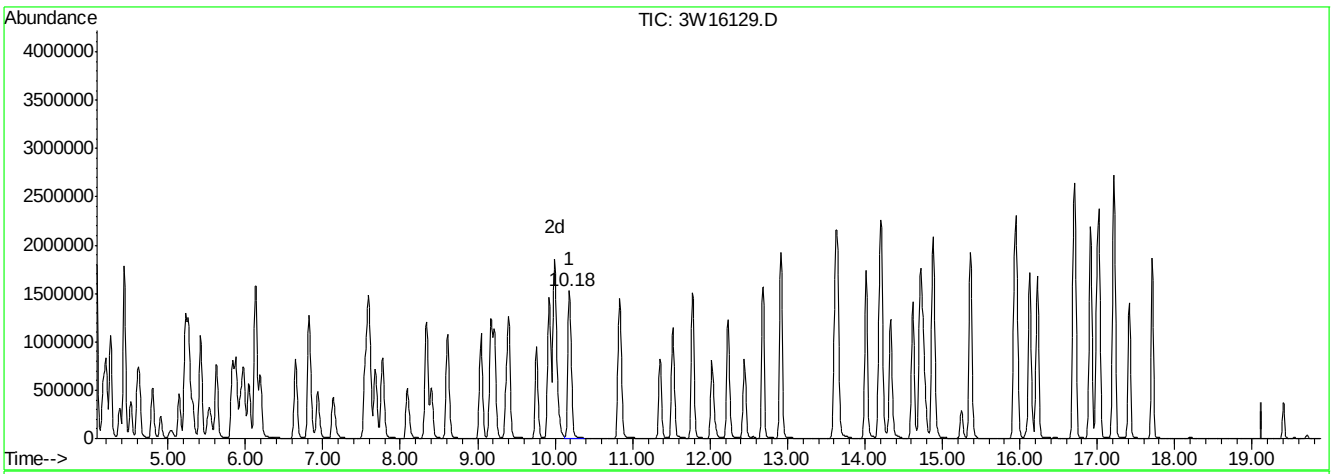
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.05#
0.00	0.00	0.05#
0.00	0.00	0.00

3W16129.D M3W644.M Wed Apr 07 11:37:33 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16129.D Vial: 2
Acq On : 7 Apr 2010 12:54 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.18min 40.13PPBV m

response 4866523

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

3W16129.D M3W644.M Wed Apr 07 11:37:36 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16130.D Vial: 7
Acq On : 7 Apr 2010 1:33 am Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:15 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

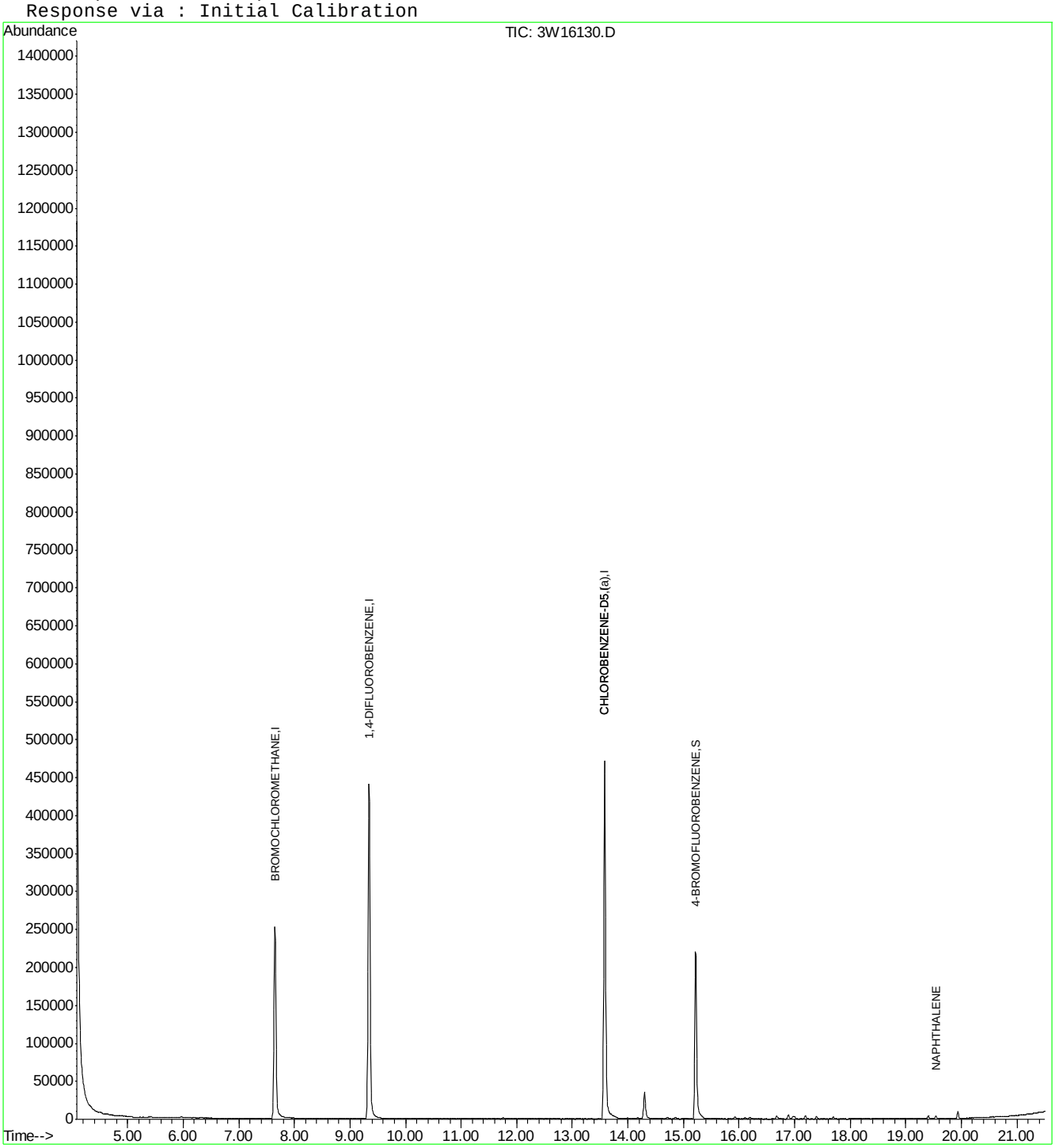
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	103327	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	494172	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	224153	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	224402	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	112254	4.54	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	4261	0.42	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16130.D M3W644.M Wed Apr 07 11:35:17 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16130.D Vial: 7
Acq On : 7 Apr 2010 1:33 am Operator: YOUMINH
Sample : IC644-0.5 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 04/08/10 08:39

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:22 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

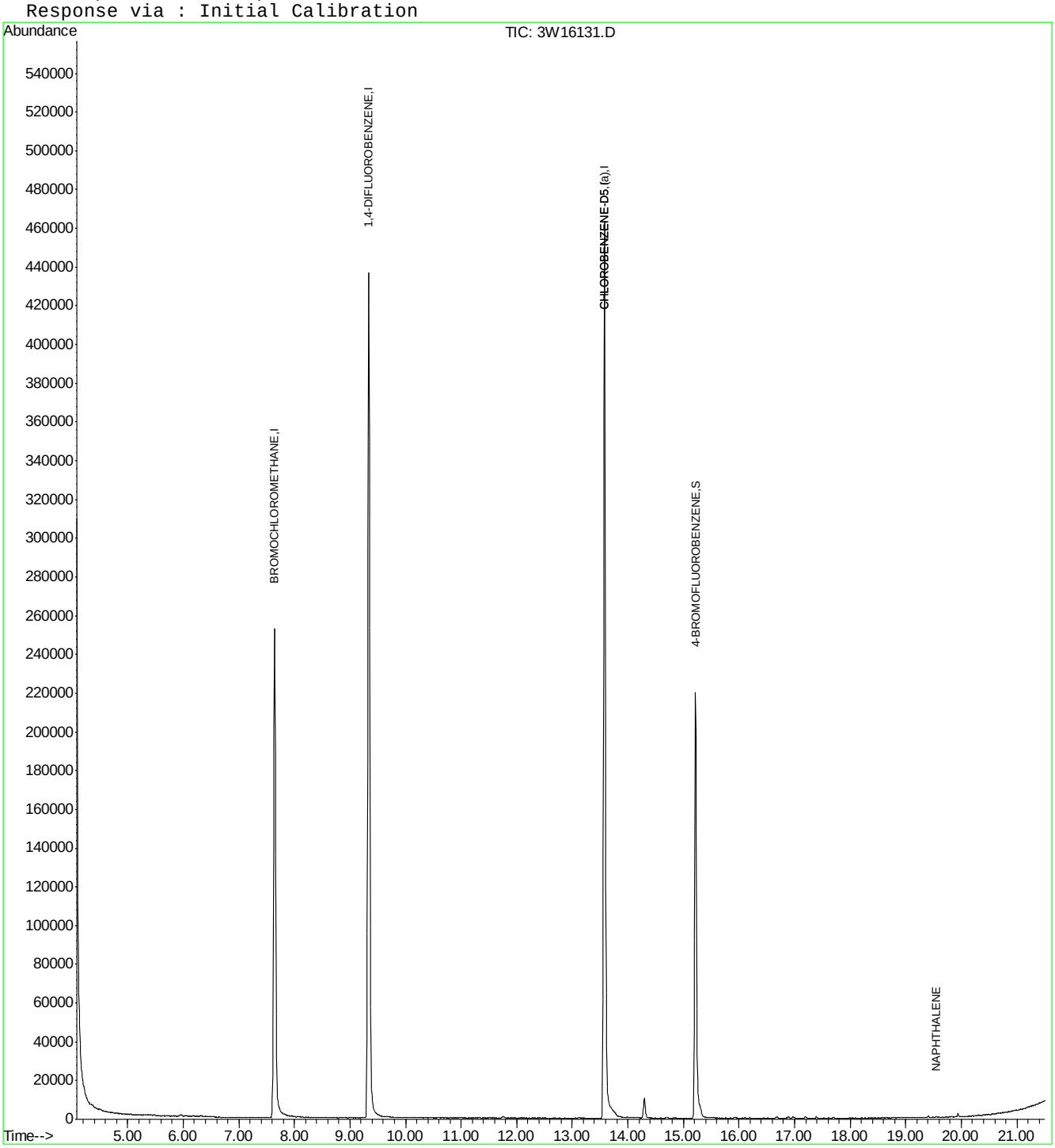
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	101980	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.34	114	488576	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.58	82	216282	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	217717	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	108605	4.55	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 91.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	1098m	0.11	PPBV	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16131.D M3W644.M Wed Apr 07 12:04:08 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 12:03 2010 Quant Results File: M3W644.RES

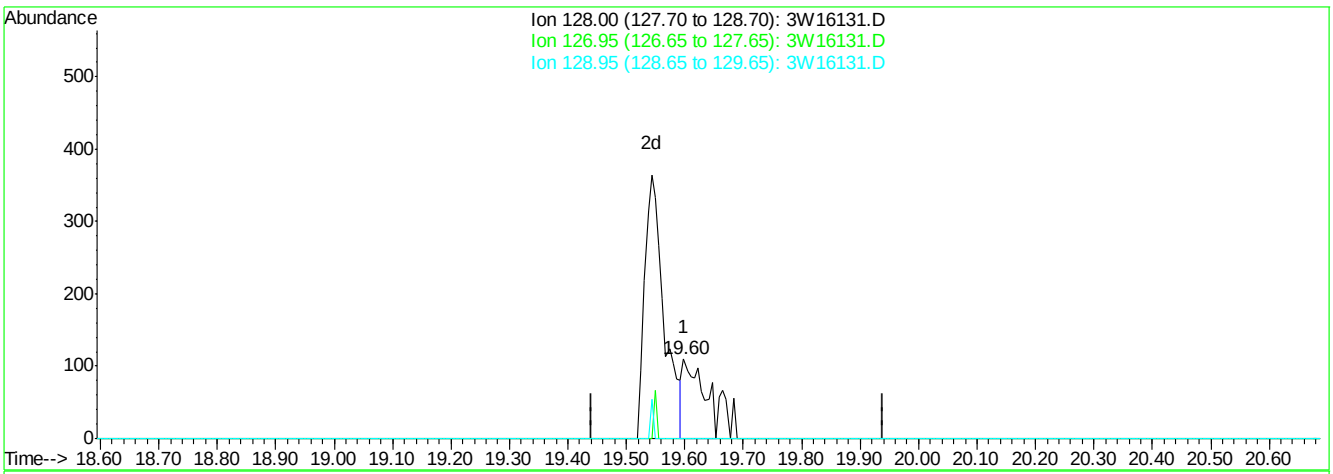
Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

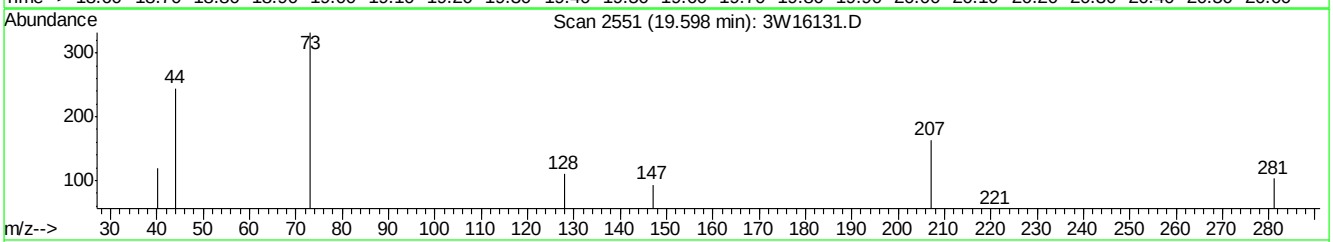


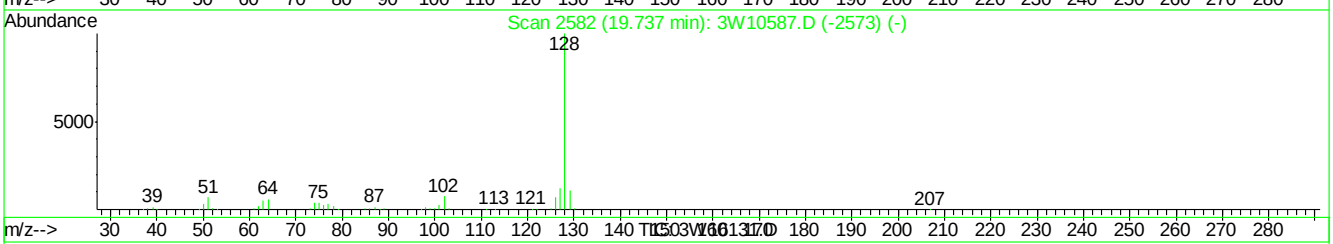
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration







(96) NAPHTHALENE

19.60min 0.03PPBV

response 263

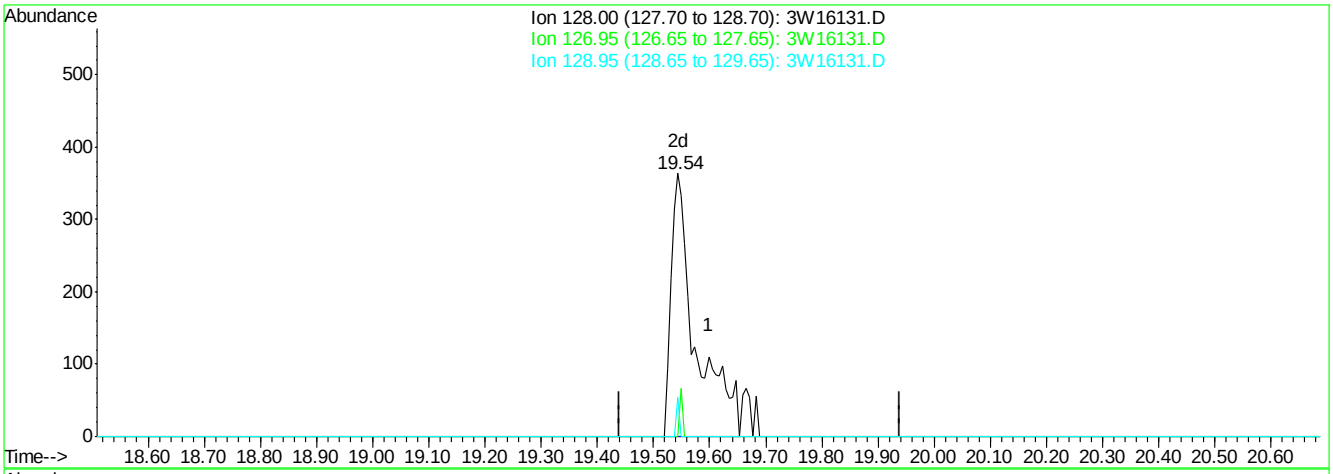
Ion	Exp%	Act%
128.00	100	100
126.95	11.40	0.00
128.95	8.90	0.00
0.00	0.00	0.00

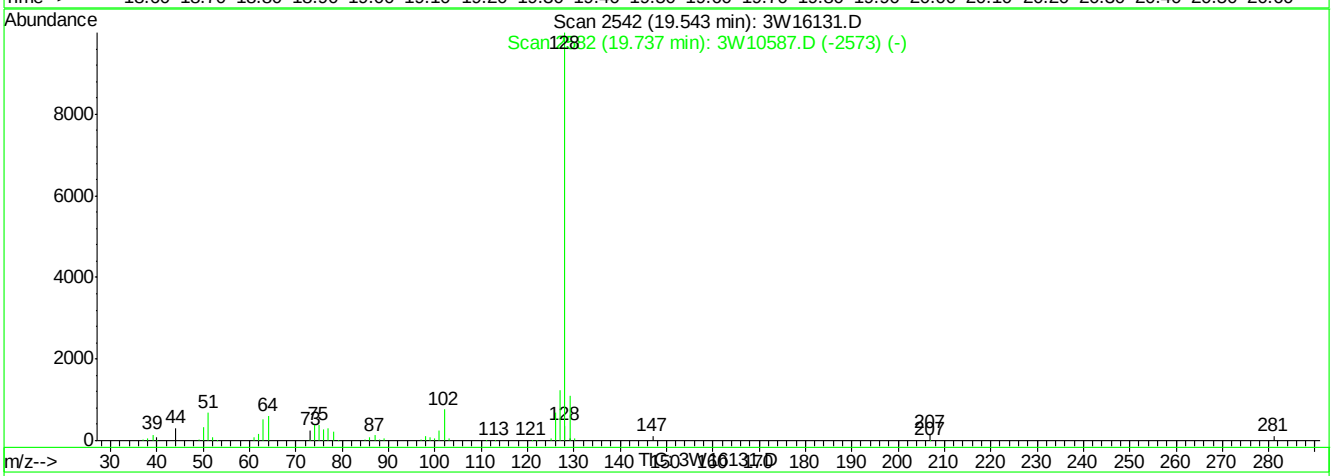
3W16131.D M3W644.M Wed Apr 07 12:03:52 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16131.D Vial: 7
Acq On : 7 Apr 2010 2:11 am Operator: YOUMINH
Sample : IC644-0.2 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(96) NAPHTHALENE

19.54min 0.11PPBV m

response 1098

Ion	Exp%	Act%
128.00	100	100
126.95	11.40	0.00
128.95	8.90	0.00
0.00	0.00	0.00

3W16131.D M3W644.M Wed Apr 07 12:04:01 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16132.D Vial: 6
Acq On : 7 Apr 2010 3:28 am Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:26 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

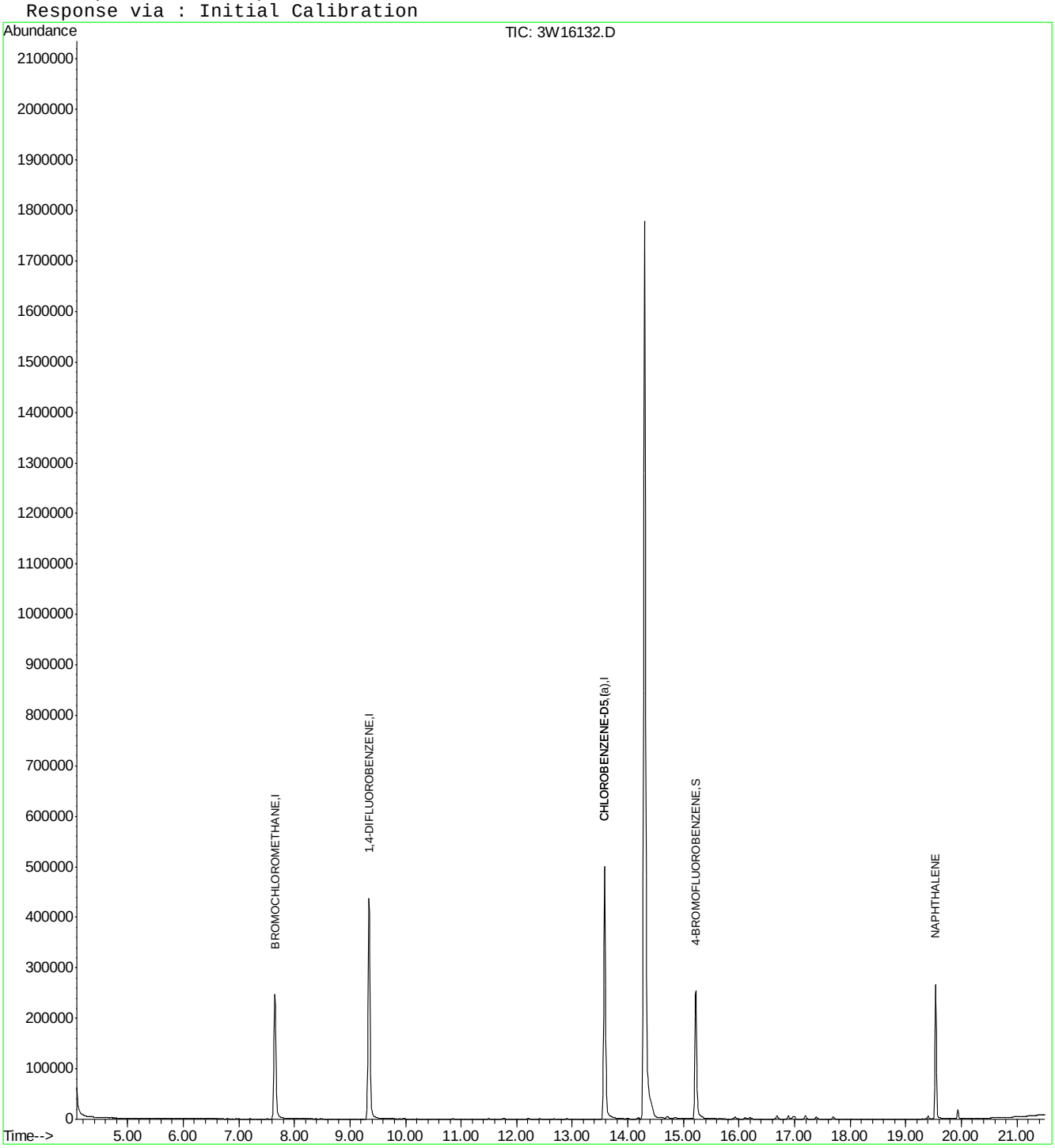
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	101924	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	488160	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	232898	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	233364	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	128399	4.99	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	244107	22.90	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W16132.D M3W644.M Wed Apr 07 11:35:18 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16132.D Vial: 6
Acq On : 7 Apr 2010 3:28 am Operator: YOUMINH
Sample : IC644-20 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16133.D Vial: 6
Acq On : 7 Apr 2010 4:08 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 09:19:31 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

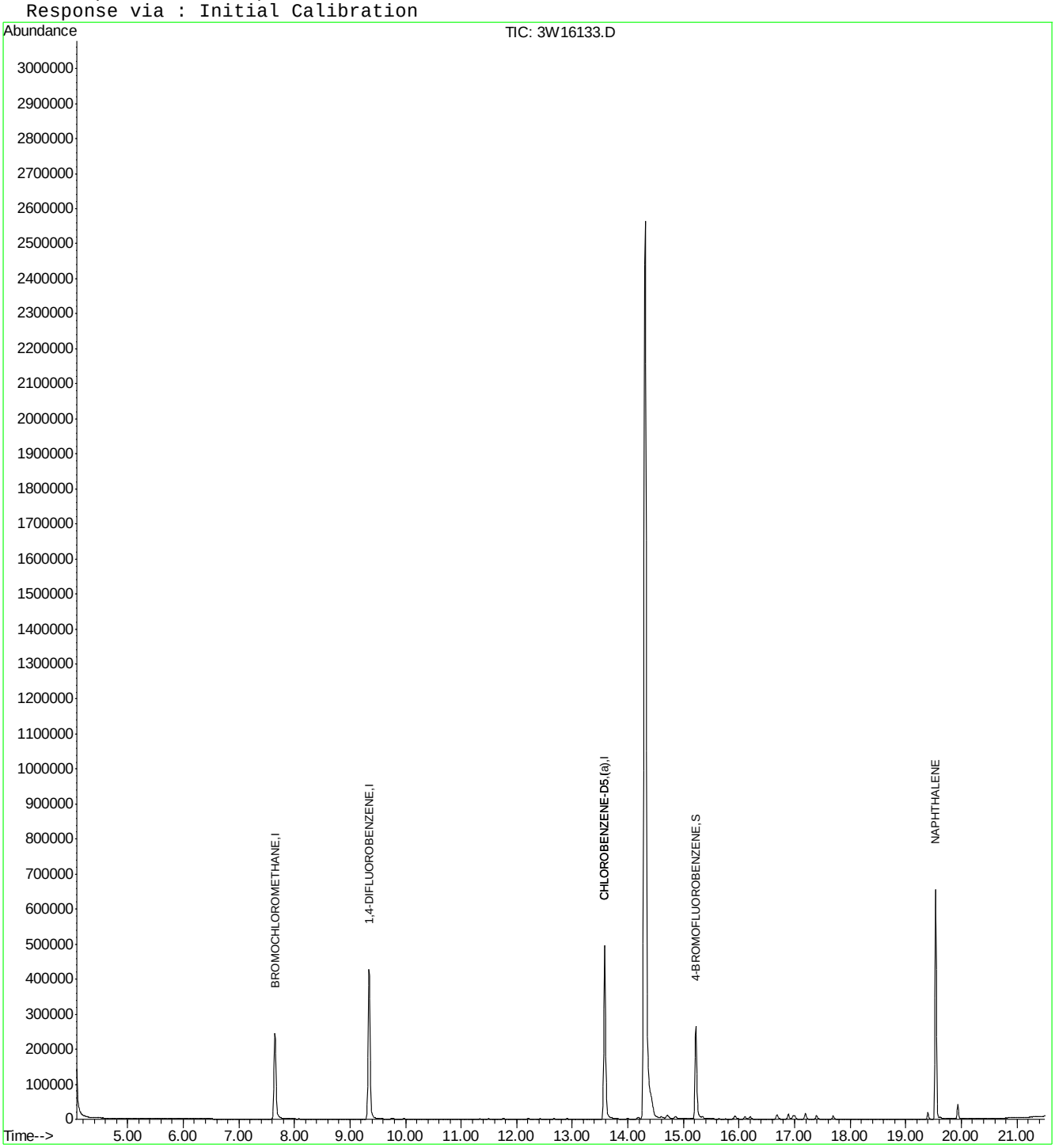
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.65	128	98981	10.00	PPBV	-0.01
45) 1,4-DIFLUOROBENZENE	9.34	114	477631	10.00	PPBV	-0.01
62) CHLOROBENZENE-D5	13.58	82	231113	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	231337	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	130878	5.13	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.60%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.54	128	601615	56.92	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16133.D Vial: 6
Acq On : 7 Apr 2010 4:08 am Operator: YOUMINH
Sample : IC644-40 Inst : MS3W
Misc : MS49009,V3W644,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 9:20 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



3W16133.D M3W644.M Wed Apr 07 11:35:19 2010 MS3W Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	108203	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	544216	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	270738	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	271152	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	161342	5.40	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 108.00%			
Target Compounds						Qvalue
3) FREON 152A	4.15	65	95851	9.95	PPBV	99
4) CHLORODIFLUOROMETHANE	4.19	67	36701	9.79	PPBV	97
5) DICHLORODIFLUOROMETHANE	4.26	85	370681	9.66	PPBV	100
6) PROPYLENE	4.21	41	108499	10.20	PPBV	100
7) FREON 114	4.43	85	387687	9.64	PPBV	99
8) CHLOROMETHANE	4.37	50	121880	9.70	PPBV	99
9) VINYL CHLORIDE	4.51	62	142855	9.79	PPBV	100
10) 1,3-BUTADIENE	4.60	54	104203	10.73	PPBV	99
11) n-BUTANE	4.62	43	189860	9.72	PPBV	100
12) BROMOMETHANE	4.79	94	139051	10.17	PPBV	100
13) CHLOROETHANE	4.89	64	75826	10.36	PPBV	99
14) FREON 123	5.21	83	318995	9.90	PPBV	100
15) FREON 123A	5.25	117	190172	9.88	PPBV	98
16) TRICHLOROFLUOROMETHANE	5.41	101	357473	9.86	PPBV	99
17) ISOPROPYL ALCOHOL	5.48	45	206030	9.99	PPBV	99
18) ACETONE	5.31	58	56629	9.28	PPBV	97
19) PENTANE	5.61	42	123631	9.61	PPBV	100
20) TVHC as EQUIV PENTANE	5.61	TIC	577454m	9.89	PPBV	
21) IODOMETHANE	5.82	142	364172	10.37	PPBV	99
22) 1,1-DICHLOROETHYLENE	5.86	96	131881	10.02	PPBV	97
23) CARBON DISULFIDE	6.18	76	393282	10.00	PPBV	99
24) ETHANOL	5.01	45	48066	8.82	PPBV	97
25) BROMOETHENE	5.13	106	140544	10.47	PPBV	100
26) METHYLENE CHLORIDE	5.96	84	117241	9.73	PPBV	99
27) 3-CHLOROPROPENE	6.03	76	61588	10.53	PPBV	97
28) FREON 113	6.12	151	224959	9.88	PPBV	100
29) TRANS-1,2-DICHLOROETHYLENE	6.63	96	136382	10.23	PPBV	98
30) TERTIARY BUTYL ALCOHOL	5.89	59	281666	11.23	PPBV	100
31) METHYL TERTIARY BUTYL ETHE	6.80	73	340600	10.37	PPBV	100
32) TETRAHYDROFURAN	8.08	72	60672	11.13	PPBV	99
33) HEXANE	7.57	57	187053	10.26	PPBV	99
34) VINYL ACETATE	6.91	86	28617	11.63	PPBV	97
35) 1,1-DICHLOROETHANE	6.81	63	231093	9.72	PPBV	100
36) METHYL ETHYL KETONE	7.11	72	60787	11.26	PPBV	99
37) cis-1,2-DICHLOROETHYLENE	7.53	96	138223	10.65	PPBV	99
38) DIISOPROPYL ETHER	7.58	45	339712	10.46	PPBV	100
39) ETHYL ACETATE	7.66	61	34312	10.54	PPBV	98
40) CHLOROFORM	7.75	83	270210	10.03	PPBV	100
41) 2,4-DIMETHYLPENTANE	8.32	57	236977	10.05	PPBV	100
42) 1,1,1-TRICHLOROETHANE	8.59	97	283095	10.02	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	CARBON TETRACHLORIDE	9.15	117	295604	9.87	PPBV	100
44)	1,2-DICHLOROETHANE	8.38	62	153679	10.11	PPBV	100
46)	BENZENE	9.02	78	399990	9.76	PPBV	99
47)	CYCLOHEXANE	9.20	56	201308	9.71	PPBV	99
48)	2,3-DIMETHYLPENTANE	9.38	71	90908	9.12	PPBV	99
49)	TRICHLOROETHYLENE	9.98	95	169523	9.79	PPBV	100
50)	1,2-DICHLOROPROPANE	9.74	63	144967	9.25	PPBV	100
51)	BROMODICHLOROMETHANE	9.96	83	279741	10.23	PPBV	100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	601601	9.70	PPBV	100
53)	1,4-DIOXANE	10.02	88	84948	10.00	PPBV	97
54)	HEPTANE	10.16	43	202965	9.72	PPBV	99
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1400389m	10.39	PPBV	
56)	METHYL METHACRYLATE	10.17	69	119307	11.59	PPBV	99
57)	METHYL ISOBUTYL KETONE	10.80	43	227305	11.78	PPBV	100
58)	cis-1,3-DICHLOROPROPENE	10.82	75	218349	11.01	PPBV	99
59)	TOLUENE	11.76	92	270347	9.97	PPBV	99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	176594	11.20	PPBV	100
61)	1,1,2-TRICHLOROETHANE	11.49	83	132244	10.51	PPBV	100
63)	2-HEXANONE	12.00	43	212753	10.82	PPBV	99
64)	TETRACHLOROETHYLENE	12.90	164	183225	9.83	PPBV	100
65)	DIBROMOCHLOROMETHANE	12.21	129	281231	10.86	PPBV	100
66)	1,2-DIBROMOETHANE	12.42	107	216772	10.85	PPBV	100
67)	OCTANE	12.67	43	276629	10.41	PPBV	99
68)	1,1,1,2-TETRACHLOROETHANE	13.61	131	189112	10.15	PPBV	99
69)	CHLOROBENZENE	13.63	112	318936	10.01	PPBV	100
70)	ETHYLBENZENE	14.00	91	549495	10.66	PPBV	100
71)	m,p-XYLENE	14.18	106	401844	21.69	PPBV	100
72)	o-XYLENE	14.69	106	196491	10.88	PPBV	100
73)	STYRENE	14.60	104	283048	11.90	PPBV	100
74)	NONANE	14.87	43	249661	10.98	PPBV	99
75)	BROMOFORM	14.31	173	241011	11.70	PPBV	100
77)	1,1,2,2-TETRACHLOROETHANE	14.72	83	260638	11.04	PPBV	100
78)	1,2,3-TRICHLOROPROPANE	14.85	75	206254	10.89	PPBV	100
79)	ISOPROPYLBENZENE	15.34	105	577038	10.63	PPBV	100
80)	2-CHLOROTOLUENE	15.91	126	131064	11.48	PPBV	99
81)	n-PROPYLBENZENE	15.94	120	143706	11.42	PPBV	99
82)	4-ETHYLTOLUENE	16.11	105	499340	12.01	PPBV	100
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	421838	11.74	PPBV	100
84)	tert-BUTYLBENZENE	16.68	134	94271	11.08	PPBV	100
85)	1,2,4-TRIMETHYLBENZENE	16.69	105	380573	12.09	PPBV	100
86)	m-DICHLOROBENZENE	16.89	146	224866	11.62	PPBV	100
87)	BENZYL CHLORIDE	16.88	91	260492	12.41	PPBV	100
88)	p-DICHLOROBENZENE	16.97	146	213562	11.62	PPBV	100
89)	sec-BUTYLBENZENE	17.00	134	111290	11.28	PPBV	99
90)	p-ISOPROPYLTOLUENE	17.19	134	112345	11.26	PPBV	99
91)	o-DICHLOROBENZENE	17.40	146	202278	11.55	PPBV	100
92)	n-BUTYLBENZENE	17.69	134	87118	11.41	PPBV	98
93)	HEXACHLOROBUTADIENE	19.94	225	71167	11.71	PPBV	99
94)	1,2,4-TRICHLOROBENZENE	19.40	180	43717	13.79	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 07 11:16:37 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

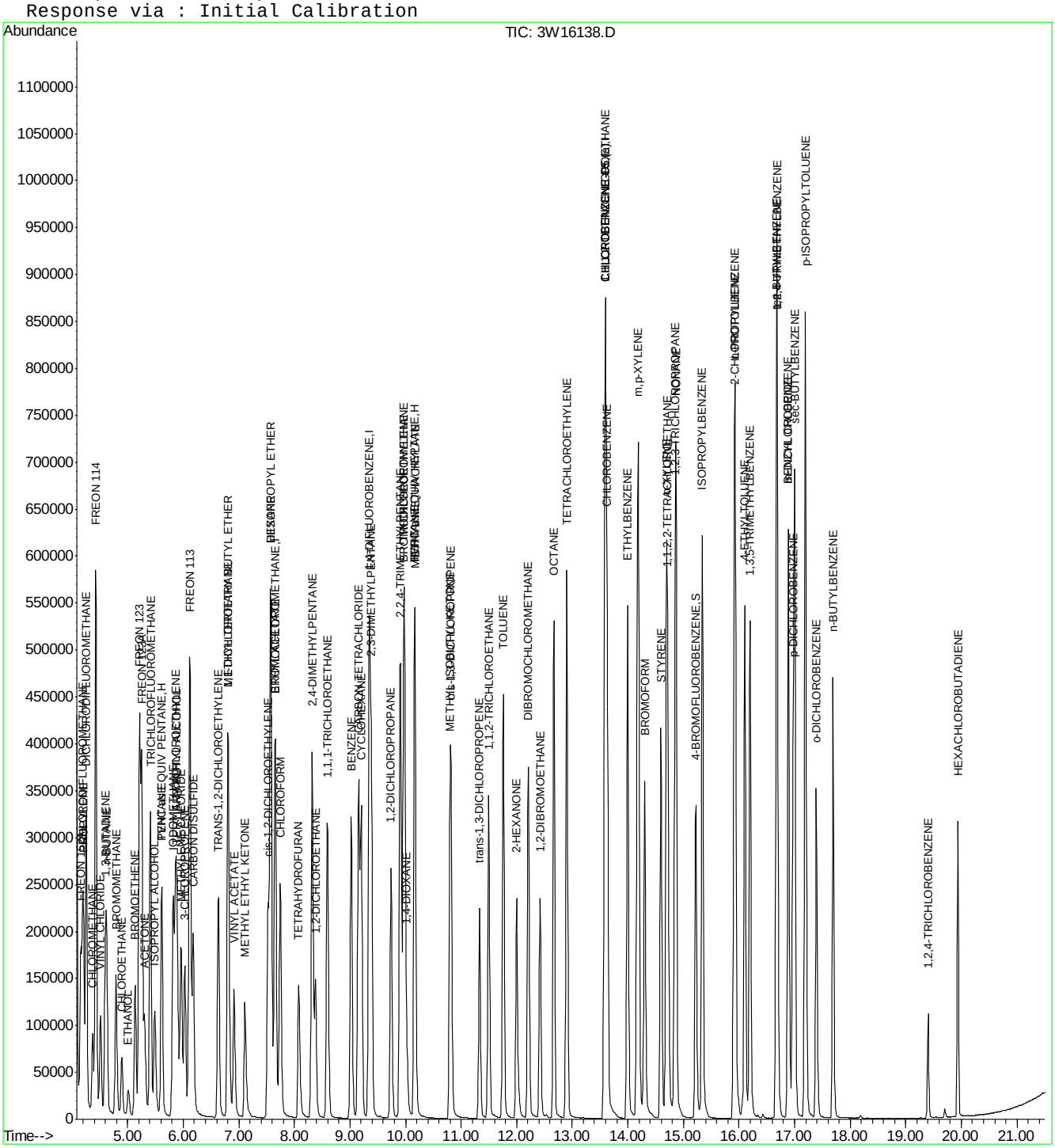
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

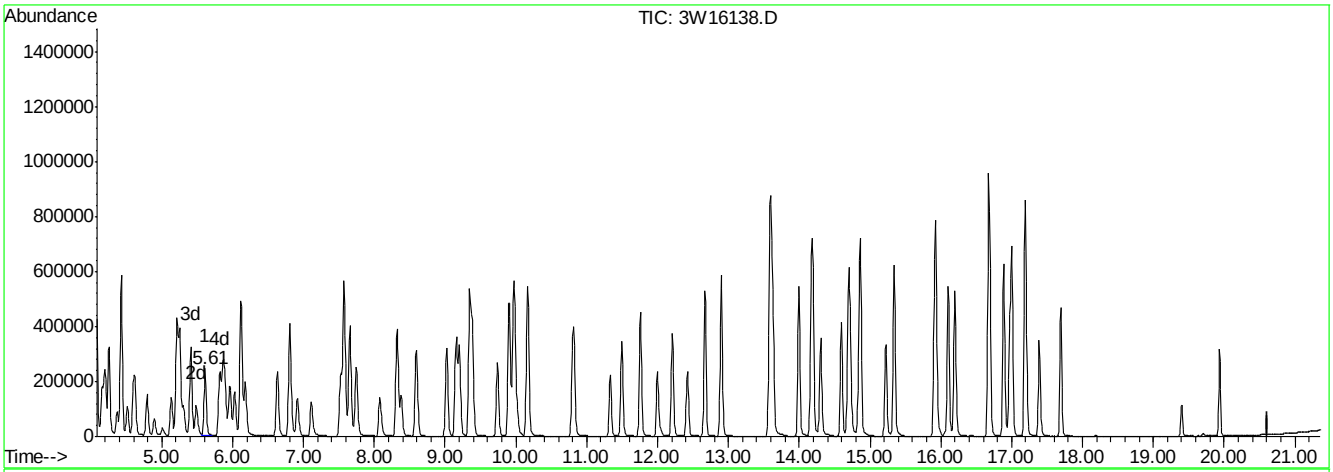


ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.61min 9.89PPBV m

response 577454

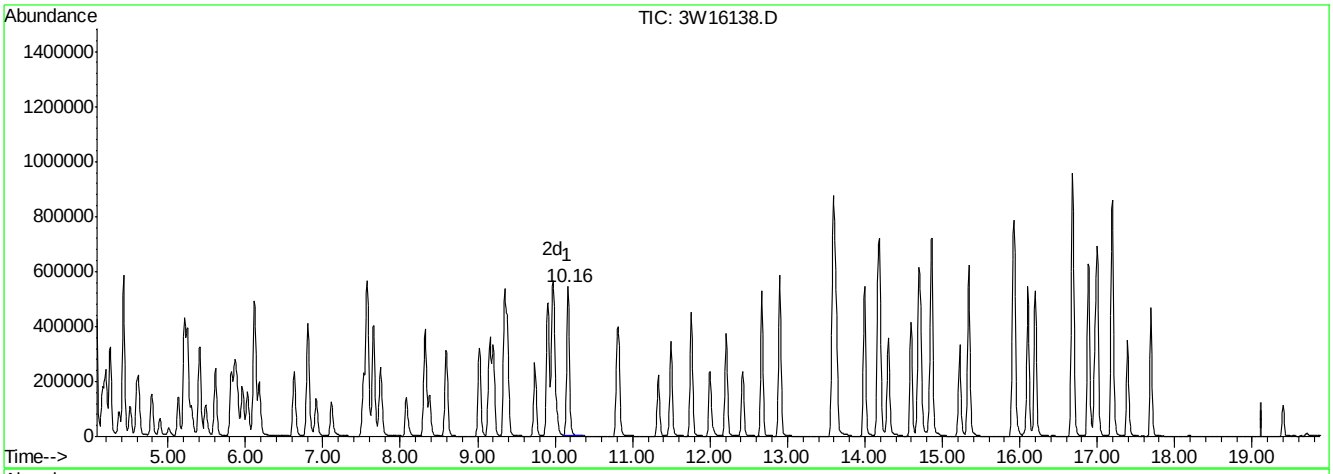
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16138.D M3W644.M Wed Apr 07 11:38:37 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16138.D Vial: 3
Acq On : 7 Apr 2010 10:52 am Operator: YOUMINH
Sample : ICV644-10 Inst : MS3W
Misc : MS49009,V3W645,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 7 11:38 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.39PPBV m

response 1400389

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16138.D M3W644.M Wed Apr 07 11:38:40 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:22 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	98933	10.00	PPBV	0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	493186	10.00	PPBV	0.00
62) CHLOROBENZENE-D5	13.58	82	257630	10.00	PPBV	0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	257803	10.00	PPBV	0.00
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.22	95	144458	5.08	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.60%			
Target Compounds						Qvalue
3) FREON 152A	4.17	65	84755	9.62	PPBV	98
4) CHLORODIFLUOROMETHANE	4.20	67	31919	9.32	PPBV	98
5) DICHLORODIFLUOROMETHANE	4.27	85	343173	9.78	PPBV	99
6) PROPYLENE	4.22	41	104037	10.70	PPBV	99
7) FREON 114	4.44	85	356511	9.69	PPBV	100
8) CHLOROMETHANE	4.38	50	112624	9.80	PPBV	98
9) VINYL CHLORIDE	4.53	62	131272	9.84	PPBV	99
10) 1,3-BUTADIENE	4.61	54	94180	10.60	PPBV	97
11) n-BUTANE	4.64	43	176891	9.91	PPBV	99
12) BROMOMETHANE	4.80	94	123854	9.91	PPBV	100
13) CHLOROETHANE	4.91	64	65977	9.86	PPBV	99
14) FREON 123	5.22	83	286578	9.72	PPBV	100
15) FREON 123A	5.27	117	169258	9.61	PPBV	96
16) TRICHLOROFLUOROMETHANE	5.42	101	319326	9.63	PPBV	99
17) ISOPROPYL ALCOHOL	5.51	45	175772	9.32	PPBV	99
18) ACETONE	5.32	58	50216	9.00	PPBV	94
19) PENTANE	5.62	42	107463	9.13	PPBV	99
20) TVHC as EQUIV PENTANE	5.62	TIC	504724m	9.45	PPBV	
21) IODOMETHANE	5.83	142	320473	9.98	PPBV	100
22) 1,1-DICHLOROETHYLENE	5.87	96	115363	9.59	PPBV	97
23) CARBON DISULFIDE	6.19	76	343532	9.55	PPBV	100
24) ETHANOL	5.03	45	42259	8.48	PPBV	99
25) BROMOETHENE	5.14	106	122599	9.99	PPBV	100
26) METHYLENE CHLORIDE	5.97	84	102425	9.30	PPBV	99
27) 3-CHLOROPROPENE	6.04	76	53302	9.97	PPBV	96
28) FREON 113	6.13	151	197277	9.47	PPBV	100
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	121538	9.97	PPBV	98
30) TERTIARY BUTYL ALCOHOL	5.91	59	240786	10.50	PPBV	99
31) METHYL TERTIARY BUTYL ETHE	6.82	73	306018	10.19	PPBV	98
32) TETRAHYDROFURAN	8.09	72	55128	11.06	PPBV	94
33) HEXANE	7.57	57	181268	10.87	PPBV	98
34) VINYL ACETATE	6.93	86	24675	10.97	PPBV #	78
35) 1,1-DICHLOROETHANE	6.82	63	219948	10.12	PPBV	99
36) METHYL ETHYL KETONE	7.12	72	55462	11.24	PPBV #	91
37) cis-1,2-DICHLOROETHYLENE	7.53	96	125095	10.54	PPBV	97
38) DIISOPROPYL ETHER	7.59	45	327435	11.03	PPBV	99
39) ETHYL ACETATE	7.66	61	31784	10.68	PPBV #	93
40) CHLOROFORM	7.75	83	251255	10.20	PPBV	99
41) 2,4-DIMETHYLPENTANE	8.33	57	229575	10.64	PPBV	99
42) 1,1,1-TRICHLOROETHANE	8.60	97	260551	10.08	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:22 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	268790	9.81	PPBV		100
44)	1,2-DICHLOROETHANE	8.39	62	143969	10.36	PPBV		99
46)	BENZENE	9.02	78	370217	9.97	PPBV		99
47)	CYCLOHEXANE	9.20	56	194680	10.36	PPBV		95
48)	2,3-DIMETHYLPENTANE	9.38	71	84665	9.37	PPBV		94
49)	TRICHLOROETHYLENE	9.98	95	153167	9.76	PPBV		97
50)	1,2-DICHLOROPROPANE	9.74	63	139483	9.82	PPBV		99
51)	BROMODICHLOROMETHANE	9.96	83	262771	10.61	PPBV		100
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	585753	10.42	PPBV		100
53)	1,4-DIOXANE	10.02	88	76051	9.88	PPBV		96
54)	HEPTANE	10.16	43	205446	10.85	PPBV		96
55)	TVHC as EQUIV HEPTANE	10.17	TIC	1323728m	10.84	PPBV		
56)	METHYL METHACRYLATE	10.18	69	109952	11.79	PPBV		94
57)	METHYL ISOBUTYL KETONE	10.80	43	227592	13.01	PPBV		97
58)	cis-1,3-DICHLOROPROPENE	10.82	75	200085	11.13	PPBV		100
59)	TOLUENE	11.76	92	241120	9.81	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	159362	11.15	PPBV		99
61)	1,1,2-TRICHLOROETHANE	11.49	83	123298	10.81	PPBV		99
63)	2-HEXANONE	12.00	43	219680	11.74	PPBV		97
64)	TETRACHLOROETHYLENE	12.90	164	156183	8.80	PPBV		98
65)	DIBROMOCHLOROMETHANE	12.21	129	251387	10.20	PPBV		100
66)	1,2-DIBROMOETHANE	12.42	107	193847	10.20	PPBV		100
67)	OCTANE	12.67	43	282869	11.19	PPBV		94
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	171458	9.67	PPBV		99
69)	CHLOROBENZENE	13.62	112	280492	9.25	PPBV		98
70)	ETHYLBENZENE	13.99	91	489002	9.97	PPBV		99
71)	m,p-XYLENE	14.18	106	350115	19.86	PPBV		96
72)	o-XYLENE	14.69	106	170277	9.91	PPBV		97
73)	STYRENE	14.59	104	239762	10.60	PPBV		99
74)	NONANE	14.86	43	250928	11.60	PPBV		97
75)	BROMOFORM	14.30	173	204915	10.46	PPBV		100
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	231565	10.31	PPBV		99
78)	1,2,3-TRICHLOROPROPANE	14.84	75	181616	10.08	PPBV		98
79)	ISOPROPYLBENZENE	15.33	105	496944	9.62	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	111101	10.22	PPBV		99
81)	n-PROPYLBENZENE	15.93	120	121315	10.13	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	419093	10.59	PPBV		100
83)	1,3,5-TRIMETHYLBENZENE	16.19	105	355709	10.40	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	78988	9.75	PPBV		99
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	323270	10.79	PPBV		99
86)	m-DICHLOROBENZENE	16.88	146	177610	9.64	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	198600	9.94	PPBV		99
88)	p-DICHLOROBENZENE	16.97	146	165346	9.45	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	92683	9.87	PPBV		95
90)	p-ISOPROPYLTOLUENE	17.18	134	91966	9.69	PPBV		100
91)	o-DICHLOROBENZENE	17.39	146	157145	9.43	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	69279	9.54	PPBV	#	91
93)	HEXACHLOROBUTADIENE	19.93	225	51827	8.96	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	28711	9.51	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 09:14:22 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

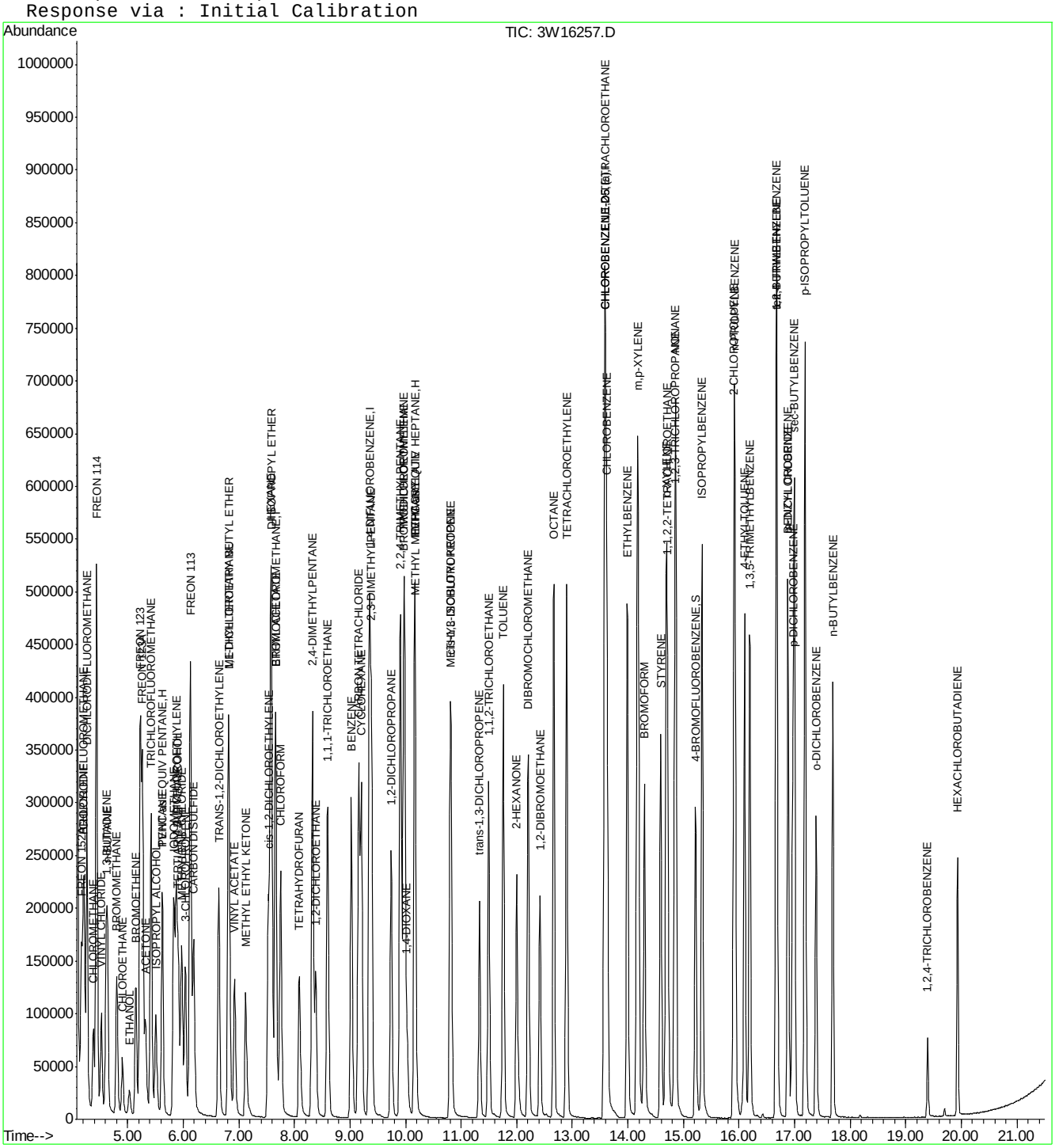
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:39 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

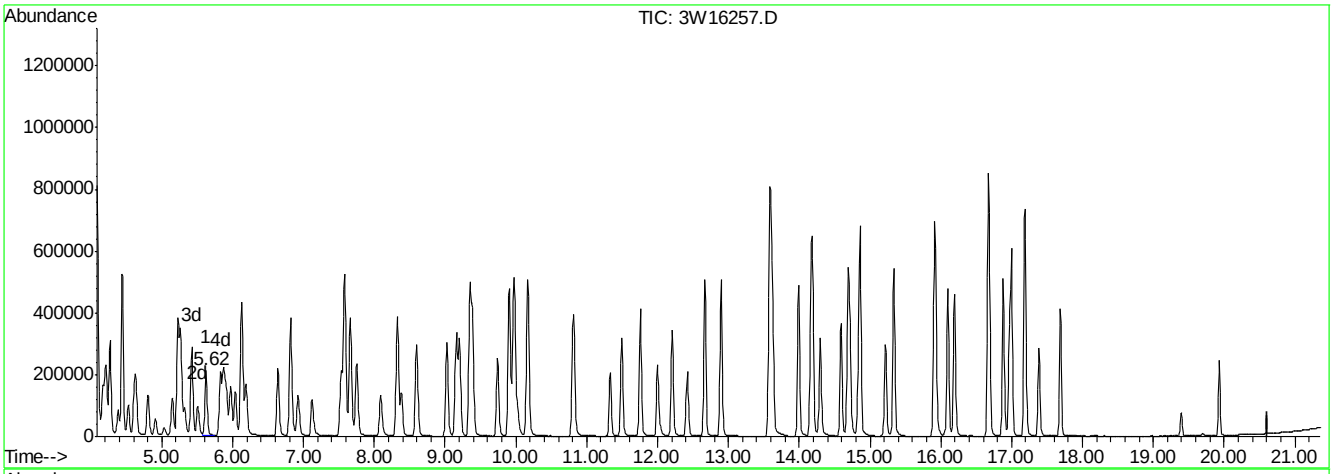


ACCUTEST. JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:39 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration



(20) TVHC as EQUIV PENTANE (H)

5.62min 9.45PPBV m

response 504724

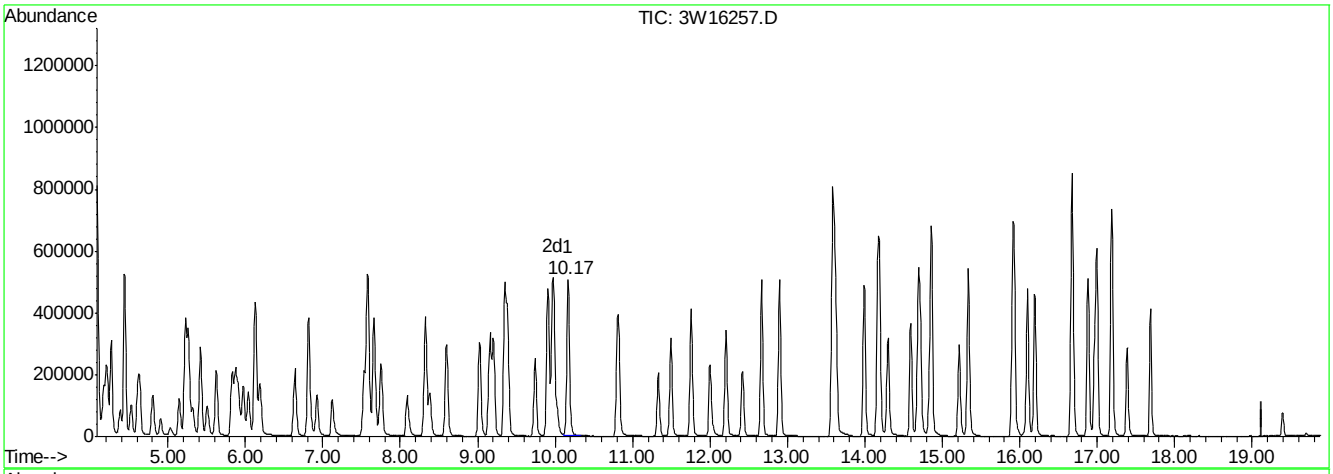
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

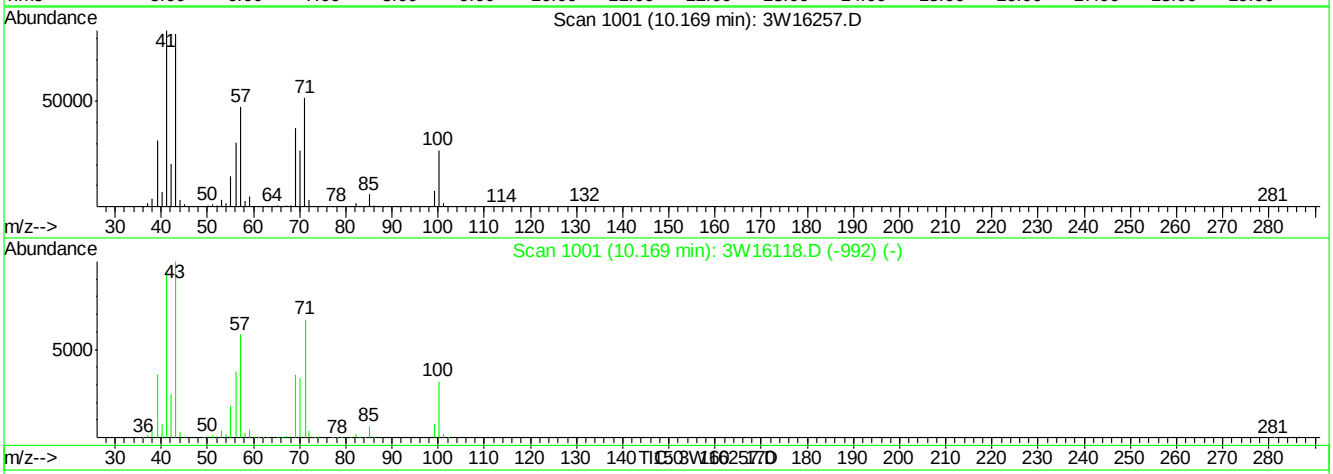
3W16257.D M3W644.M Thu Apr 15 10:17:46 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16257.D Vial: 2
Acq On : 14 Apr 2010 10:15 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W649,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 15 9:39 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.17min 10.84PPBV m

response 1323728

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16257.D M3W644.M Thu Apr 15 10:17:49 2010 MS3W

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.66	128	81773	10.00	PPBV		0.00
45) 1,4-DIFLUOROBENZENE	9.35	114	400032	10.00	PPBV		0.00
62) CHLOROBENZENE-D5	13.58	82	208913	10.00	PPBV		0.00
95) CHLOROBENZENE-D5 (a)	13.58	82	208913	10.00	PPBV		0.00
System Monitoring Compounds							
76) 4-BROMOFLUOROBENZENE	15.22	95	119078	5.16	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.20%				
Target Compounds							Qvalue
3) FREON 152A	4.16	65	69776	9.58	PPBV		71
4) CHLORODIFLUOROMETHANE	4.19	67	27632	9.76	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.26	85	285409	9.84	PPBV		100
6) PROPYLENE	4.21	41	83469	10.39	PPBV		99
7) FREON 114	4.44	85	306120	10.07	PPBV		98
8) CHLOROMETHANE	4.38	50	99285	10.46	PPBV		97
9) VINYL CHLORIDE	4.52	62	111560	10.12	PPBV		99
10) 1,3-BUTADIENE	4.61	54	79661	10.85	PPBV		97
11) n-BUTANE	4.63	43	151541	10.27	PPBV	#	97
12) BROMOMETHANE	4.80	94	105662	10.23	PPBV		99
13) CHLOROETHANE	4.91	64	56571	10.22	PPBV		99
14) FREON 123	5.22	83	245710	10.09	PPBV		99
15) FREON 123A	5.27	117	149827	10.30	PPBV		93
16) TRICHLOROFLUOROMETHANE	5.42	101	284637	10.38	PPBV		100
17) ISOPROPYL ALCOHOL	5.51	45	151259	9.71	PPBV		99
18) ACETONE	5.32	58	42861	9.30	PPBV		95
19) PENTANE	5.62	42	95452	9.82	PPBV		99
20) TVHC as EQUIV PENTANE	5.62	TIC	439306m	9.95	PPBV		
21) IODOMETHANE	5.83	142	280398	10.57	PPBV		100
22) 1,1-DICHLOROETHYLENE	5.87	96	97701	9.82	PPBV		99
23) CARBON DISULFIDE	6.18	76	288681	9.71	PPBV		98
24) ETHANOL	5.03	45	35172	8.54	PPBV		98
25) BROMOETHENE	5.14	106	106450	10.50	PPBV		100
26) METHYLENE CHLORIDE	5.97	84	87421	9.60	PPBV		99
27) 3-CHLOROPROPENE	6.04	76	45643	10.33	PPBV		94
28) FREON 113	6.13	151	177241	10.30	PPBV		97
29) TRANS-1,2-DICHLOROETHYLENE	6.64	96	97009	9.63	PPBV		98
30) TERTIARY BUTYL ALCOHOL	5.91	59	203270	10.73	PPBV		98
31) METHYL TERTIARY BUTYL ETHE	6.82	73	245094	9.88	PPBV		98
32) TETRAHYDROFURAN	8.08	72	41818	10.15	PPBV		92
33) HEXANE	7.57	57	139974	10.16	PPBV		97
34) VINYL ACETATE	6.92	86	19356	10.41	PPBV	#	84
35) 1,1-DICHLOROETHANE	6.82	63	172606	9.61	PPBV		100
36) METHYL ETHYL KETONE	7.12	72	41017	10.06	PPBV		92
37) cis-1,2-DICHLOROETHYLENE	7.53	96	99691	10.17	PPBV		99
38) DIISOPROPYL ETHER	7.58	45	255302	10.40	PPBV		98
39) ETHYL ACETATE	7.66	61	24098	9.80	PPBV	#	92
40) CHLOROFORM	7.75	83	202767	9.96	PPBV		99
41) 2,4-DIMETHYLPENTANE	8.33	57	177858	9.98	PPBV		99
42) 1,1,1-TRICHLOROETHANE	8.60	97	217196	10.17	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	CARBON TETRACHLORIDE	9.16	117	227704	10.06	PPBV		100
44)	1,2-DICHLOROETHANE	8.38	62	118736	10.34	PPBV		99
46)	BENZENE	9.02	78	285698	9.48	PPBV		100
47)	CYCLOHEXANE	9.20	56	148464	9.74	PPBV		99
48)	2,3-DIMETHYLPENTANE	9.38	71	66354	9.05	PPBV		97
49)	TRICHLOROETHYLENE	9.98	95	124529	9.79	PPBV		99
50)	1,2-DICHLOROPROPANE	9.74	63	106495	9.25	PPBV		98
51)	BROMODICHLOROMETHANE	9.96	83	212831	10.59	PPBV		99
52)	2,2,4-TRIMETHYLPENTANE	9.91	57	456176	10.00	PPBV		99
53)	1,4-DIOXANE	10.02	88	57540	9.21	PPBV		98
54)	HEPTANE	10.16	43	163942	10.68	PPBV		94
55)	TVHC as EQUIV HEPTANE	10.16	TIC	1028939m	10.39	PPBV		
56)	METHYL METHACRYLATE	10.17	69	81897	10.83	PPBV	#	87
57)	METHYL ISOBUTYL KETONE	10.80	43	170194	12.00	PPBV		96
58)	cis-1,3-DICHLOROPROPENE	10.82	75	161224	11.06	PPBV		96
59)	TOLUENE	11.76	92	196239	9.85	PPBV		99
60)	trans-1,3-DICHLOROPROPENE	11.33	75	127907	11.04	PPBV		96
61)	1,1,2-TRICHLOROETHANE	11.49	83	98323	10.63	PPBV		100
63)	2-HEXANONE	12.00	43	162576	10.72	PPBV		94
64)	TETRACHLOROETHYLENE	12.90	164	133279	9.26	PPBV		100
65)	DIBROMOCHLOROMETHANE	12.21	129	209644	10.49	PPBV		100
66)	1,2-DIBROMOETHANE	12.42	107	157879	10.24	PPBV		100
67)	OCTANE	12.67	43	229528	11.20	PPBV		94
68)	1,1,1,2-TETRACHLOROETHANE	13.60	131	147406	10.26	PPBV		98
69)	CHLOROBENZENE	13.62	112	234692	9.55	PPBV		99
70)	ETHYLBENZENE	13.99	91	403586	10.15	PPBV		99
71)	m,p-XYLENE	14.18	106	291043	20.36	PPBV		94
72)	o-XYLENE	14.69	106	144540	10.37	PPBV		98
73)	STYRENE	14.59	104	195171	10.64	PPBV		98
74)	NONANE	14.86	43	215875	12.31	PPBV		96
75)	BROMOFORM	14.30	173	175446	11.04	PPBV		100
77)	1,1,2,2-TETRACHLOROETHANE	14.71	83	187349	10.29	PPBV		100
78)	1,2,3-TRICHLOROPROPANE	14.84	75	152368	10.43	PPBV		99
79)	ISOPROPYLBENZENE	15.33	105	423246	10.10	PPBV		99
80)	2-CHLOROTOLUENE	15.91	126	95085	10.79	PPBV		99
81)	n-PROPYLBENZENE	15.93	120	102224	10.53	PPBV		100
82)	4-ETHYLTOLUENE	16.10	105	354080	11.03	PPBV		99
83)	1,3,5-TRIMETHYLBENZENE	16.20	105	302550	10.91	PPBV		98
84)	tert-BUTYLBENZENE	16.67	134	67750	10.32	PPBV		99
85)	1,2,4-TRIMETHYLBENZENE	16.68	105	276236	11.37	PPBV		99
86)	m-DICHLOROBENZENE	16.88	146	151351	10.13	PPBV		99
87)	BENZYL CHLORIDE	16.88	91	157622	9.73	PPBV		99
88)	p-DICHLOROBENZENE	16.97	146	141221	9.95	PPBV		99
89)	sec-BUTYLBENZENE	16.99	134	80561	10.58	PPBV		98
90)	p-ISOPROPYLTOLUENE	17.18	134	78564	10.20	PPBV		97
91)	o-DICHLOROBENZENE	17.39	146	136418	10.09	PPBV		99
92)	n-BUTYLBENZENE	17.69	134	59346	10.08	PPBV		94
93)	HEXACHLOROBUTADIENE	19.93	225	43894	9.36	PPBV		100
94)	1,2,4-TRICHLOROBENZENE	19.40	180	22981	9.39	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:05:25 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

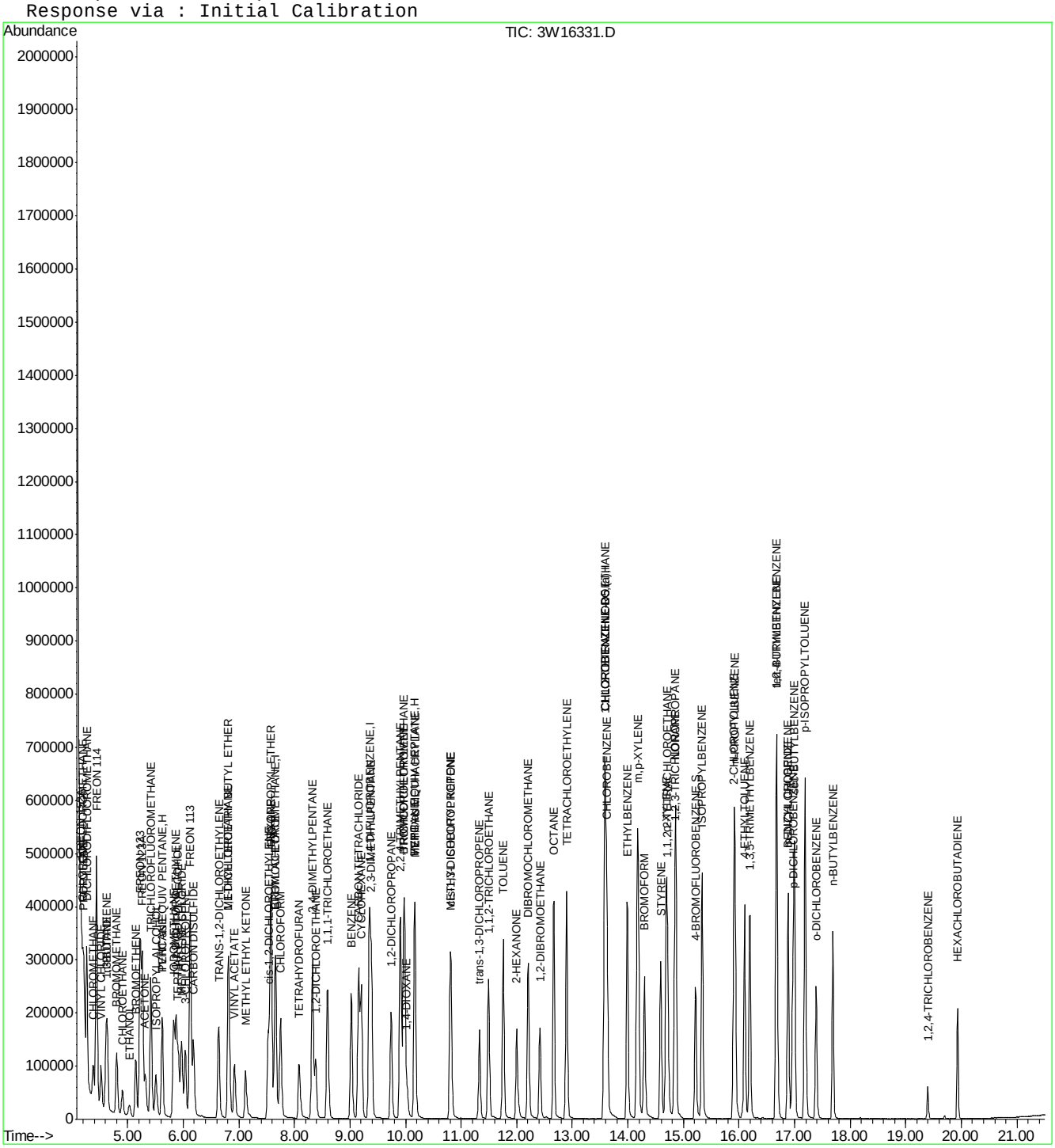
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:09 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration

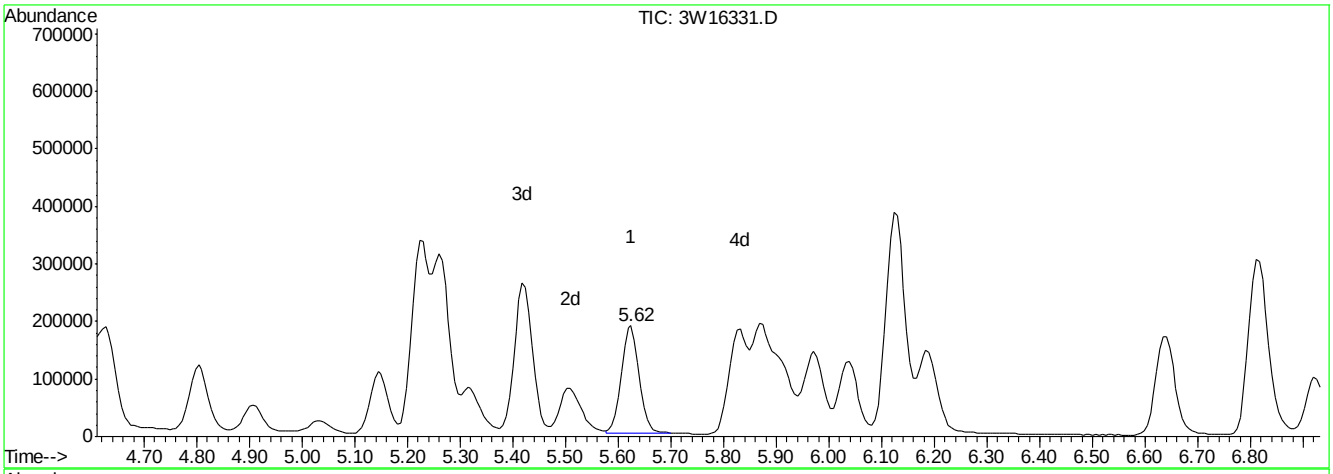


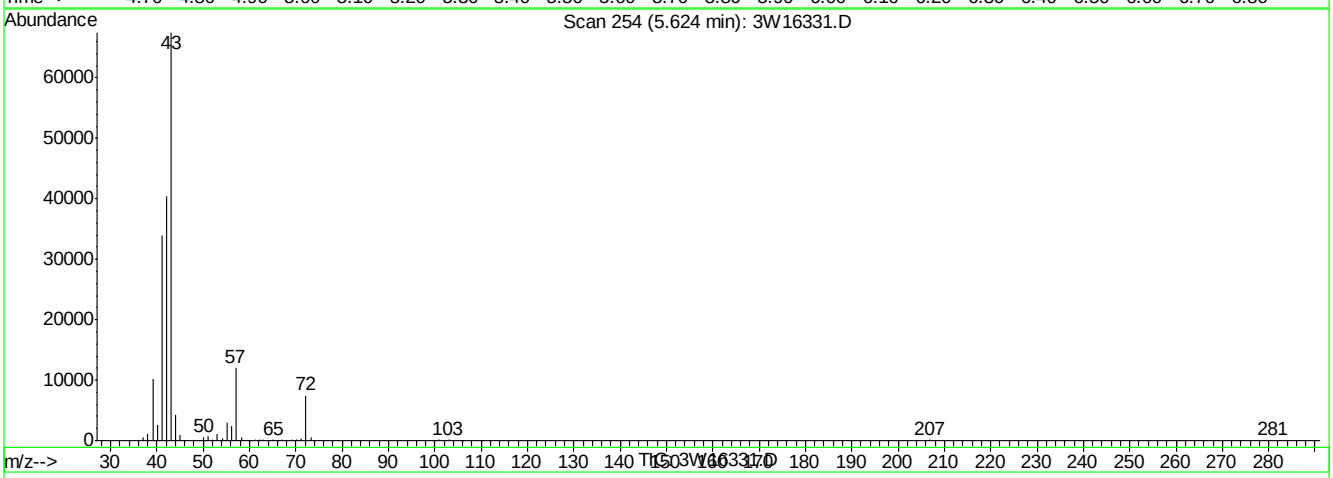
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(20) TVHC as EQUIV PENTANE (H)

5.62min 9.95PPBV m

response 439306

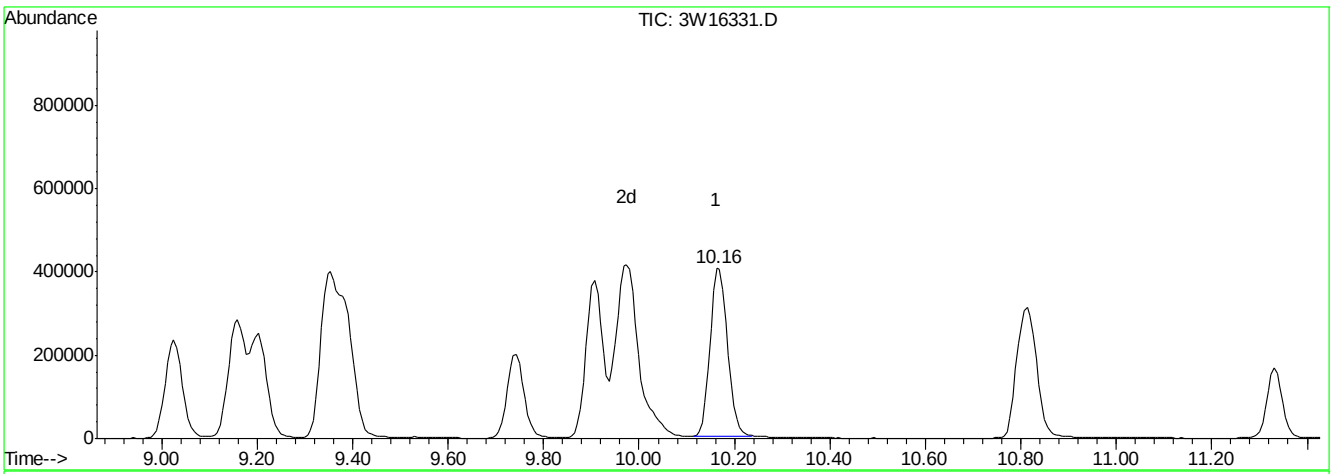
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

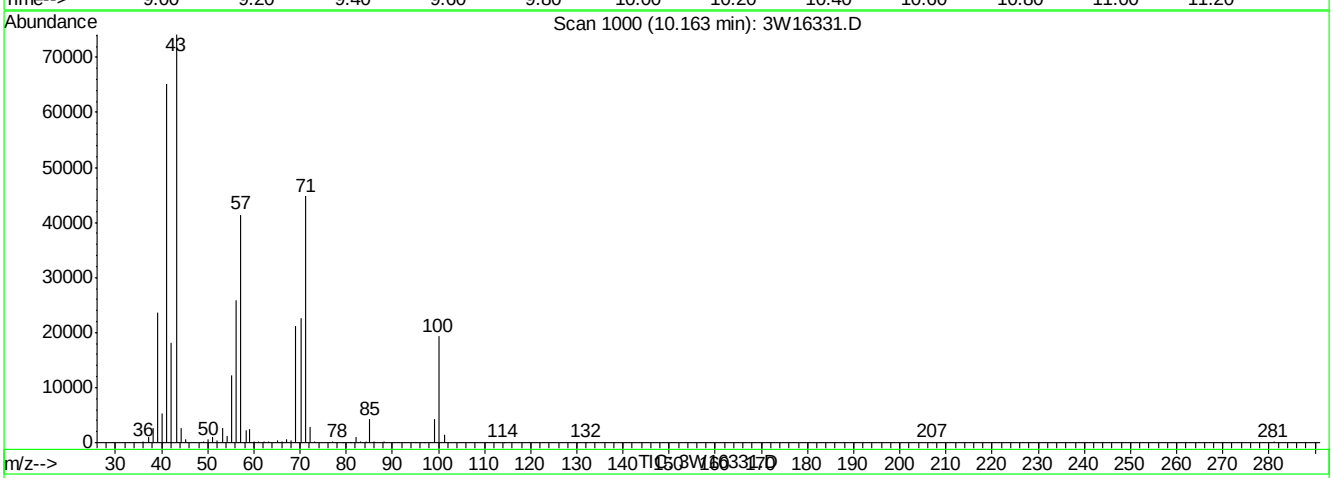
3W16331.D M3W644.M Tue Apr 20 10:08:06 2010 MS3W

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\3W16331.D Vial: 2
Acq On : 19 Apr 2010 6:39 am Operator: YOUMINH
Sample : CC644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:08 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Multiple Level Calibration





(55) TVHC as EQUIV HEPTANE (H)

10.16min 10.39PPBV m

response 1028939

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W16331.D M3W644.M Tue Apr 20 10:08:46 2010 MS3W

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JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 07:45:47 2010 Quant Results File: M3W644.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration
DataAcq Meth : TO153W

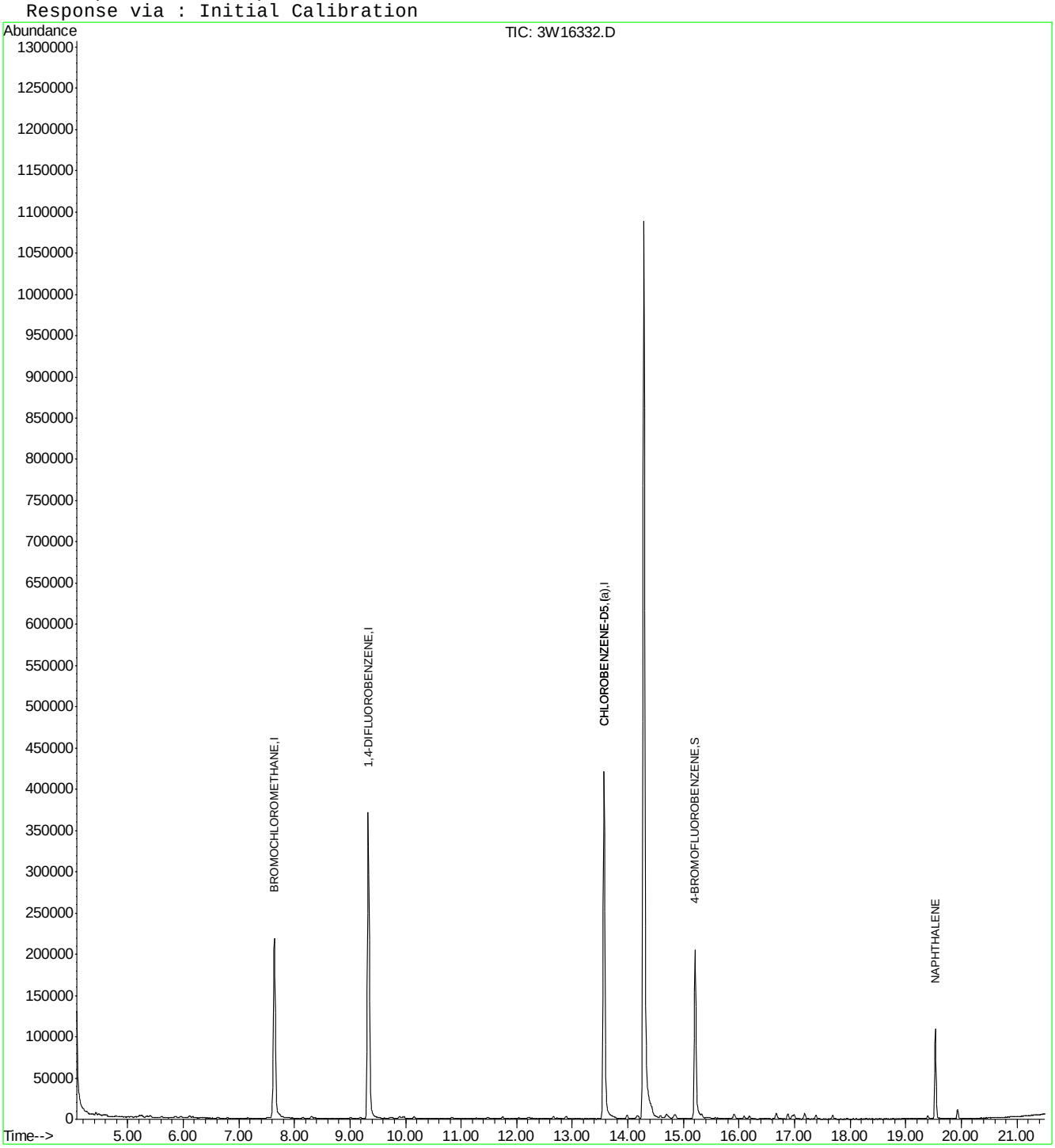
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.64	128	85480	10.00	PPBV	-0.02
45) 1,4-DIFLUOROBENZENE	9.33	114	404335	10.00	PPBV	-0.02
62) CHLOROBENZENE-D5	13.57	82	194026	10.00	PPBV	-0.02
95) CHLOROBENZENE-D5 (a)	13.57	82	194514	10.00	PPBV	-0.02
System Monitoring Compounds						
76) 4-BROMOFLUOROBENZENE	15.21	95	100777	4.70	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 94.00%			
Target Compounds						Qvalue
96) NAPHTHALENE	19.53	128	97469	10.97	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\3W16332.D Vial: 6
Acq On : 19 Apr 2010 7:21 am Operator: YOUMINH
Sample : cc644-10 Inst : MS3W
Misc : MS49009,V3W652,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 10:11 2010 Quant Results File: M3W644.RES

Method : C:\MSDCHEM\1\METHODS\M3W644.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 07 09:18:55 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	75531	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	384285	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.14	82	198607	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	198607	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	111781	5.00	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.82	67	27838	10.00	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	278232	10.00	PPBV		98
6) PROPYLENE	4.85	41	102218	10.00	PPBV		97
7) FREON 114	5.17	85	311274	10.00	PPBV		99
8) CHLOROMETHANE	5.08	52	33892	10.00	PPBV	#	76
9) VINYL CHLORIDE	5.28	62	123307	10.00	PPBV		100
10) 1,3-BUTADIENE	5.41	54	100901	10.00	PPBV	#	85
11) n-BUTANE	5.45	43	202943	10.00	PPBV		97
12) BROMOMETHANE	5.66	94	102818	10.00	PPBV		99
13) CHLOROETHANE	5.81	64	68135	10.00	PPBV		97
14) ACROLEIN	6.26	56	44841	10.00	PPBV		96
15) FREON 123	6.23	83	260315	10.00	PPBV	#	75
16) FREON 123A	6.28	117	152203	10.00	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.48	101	280326	10.00	PPBV		100
18) ISOPROPYL ALCOHOL	6.69	45	222052	10.00	PPBV	#	55
19) ACETONE	6.39	58	54291	10.00	PPBV	#	62
20) PENTANE	6.78	57	35782	9.73	PPBV	#	81
21) TVHC as EQUIV PENTANE	6.78	TIC	672649m	9.98	PPBV		
22) IODOMETHANE	6.99	142	279636	10.00	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.04	96	107829	10.00	PPBV	#	82
24) CARBON DISULFIDE	7.44	76	330166	10.00	PPBV		94
25) ETHANOL	6.06	45	46916	10.00	PPBV		98
26) BROMOETHENE	6.12	106	106873	10.00	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	94980	10.00	PPBV		86
28) 3-CHLOROPROPENE	7.25	76	57142	10.00	PPBV	#	58
29) FREON 113	7.36	151	182743	10.00	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	118719	10.00	PPBV		90
31) TERTIARY BUTYL ALCOHOL	7.22	59	286175	10.00	PPBV	#	93
32) METHYL TERTIARY BUTYL ETHE	8.23	73	327852	10.00	PPBV		95
33) TETRAHYDROFURAN	9.62	72	57524	10.00	PPBV	#	81
34) HEXANE	9.06	57	206553	10.00	PPBV		87
35) VINYL ACETATE	8.27	86	32219	10.00	PPBV	#	47
36) 1,1-DICHLOROETHANE	8.15	63	218095	10.00	PPBV		99
37) METHYL ETHYL KETONE	8.56	72	58785	10.00	PPBV	#	67
38) cis-1,2-DICHLOROETHYLENE	8.90	96	119293	10.00	PPBV		91
39) DI-ISOPROPYL ETHER	9.08	45	439027	10.00	PPBV		96
40) ETHYL ACETATE	9.12	61	38303	10.00	PPBV	#	72
41) CHLOROFORM	9.18	83	227571	10.00	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.88	57	250933	10.00	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.09	97	231132	10.00	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	239233	10.00	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	149193	10.00	PPBV		98
47)	BENZENE	10.53	78	370697	10.00	PPBV		98
48)	CYCLOHEXANE	10.78	84	178709	10.00	PPBV		94
49)	2,3-DIMETHYLPENTANE	10.98	71	95656	10.00	PPBV		91
50)	TRICHLOROETHYLENE	11.52	95	153291	10.00	PPBV		98
51)	1,2-DICHLOROPROPANE	11.31	63	135756	10.00	PPBV		98
52)	BROMODICHLOROMETHANE	11.49	83	255080	10.00	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	669399	10.00	PPBV		99
54)	1,4-DIOXANE	11.58	88	80168	10.00	PPBV		89
55)	METHYL METHACRYLATE	11.70	69	129906	10.00	PPBV	#	78
56)	HEPTANE	11.76	43	249661	10.00	PPBV		88
57)	TVHC as EQUIV HEPTANE	11.76	TIC	1047401m	9.98	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	283518	10.00	PPBV		91
59)	cis-1,3-DICHLOROPROPENE	12.34	75	213065	10.00	PPBV		88
60)	TOLUENE	13.32	92	264046	10.00	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.85	75	180331	10.00	PPBV		90
62)	1,1,2-TRICHLOROETHANE	13.04	83	117909	10.00	PPBV		100
64)	2-HEXANONE	13.60	43	270061	10.00	PPBV		89
65)	TETRACHLOROETHYLENE	14.47	164	164932	10.00	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.77	129	245061	10.00	PPBV		99
67)	1,2-DIBROMOETHANE	14.02	107	204734	10.00	PPBV		99
68)	OCTANE	14.27	43	327549	10.00	PPBV		89
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	175802	10.00	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	327360	10.00	PPBV		100
71)	ETHYLBENZENE	15.57	91	543286	10.00	PPBV		100
72)	m,p-XYLENE	15.76	106	423158	20.00	PPBV		99
73)	o-XYLENE	16.27	106	201152	10.00	PPBV		99
74)	STYRENE	16.16	104	312752	10.00	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	204349	10.00	PPBV		98
76)	NONANE	16.46	43	313189	10.00	PPBV		92
77)	BROMOFORM	15.88	173	218779	10.00	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	249671	10.00	PPBV		99
80)	ISOPROPYLBENZENE	16.90	105	574075	10.00	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	131908	10.00	PPBV		97
82)	n-PROPYLBENZENE	17.45	120	153922	10.00	PPBV		98
83)	4-ETHYLTOLUENE	17.60	105	515235	10.00	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	415889m	8.02	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	107469	10.00	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	397355	10.00	PPBV		98
87)	m-DICHLOROBENZENE	18.32	146	238096	10.00	PPBV		100
88)	BENZYL CHLORIDE	18.30	91	288838	10.00	PPBV		99
89)	p-DICHLOROBENZENE	18.40	146	224557m	9.43	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	123583	10.00	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	121091	10.00	PPBV		99
92)	o-DICHLOROBENZENE	18.77	146	200318	10.00	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	97670	10.00	PPBV		94
94)	HEXACHLOROBUTADIENE	21.17	225	58165	10.00	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.68	180	46642	10.00	PPBV		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:07:43 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

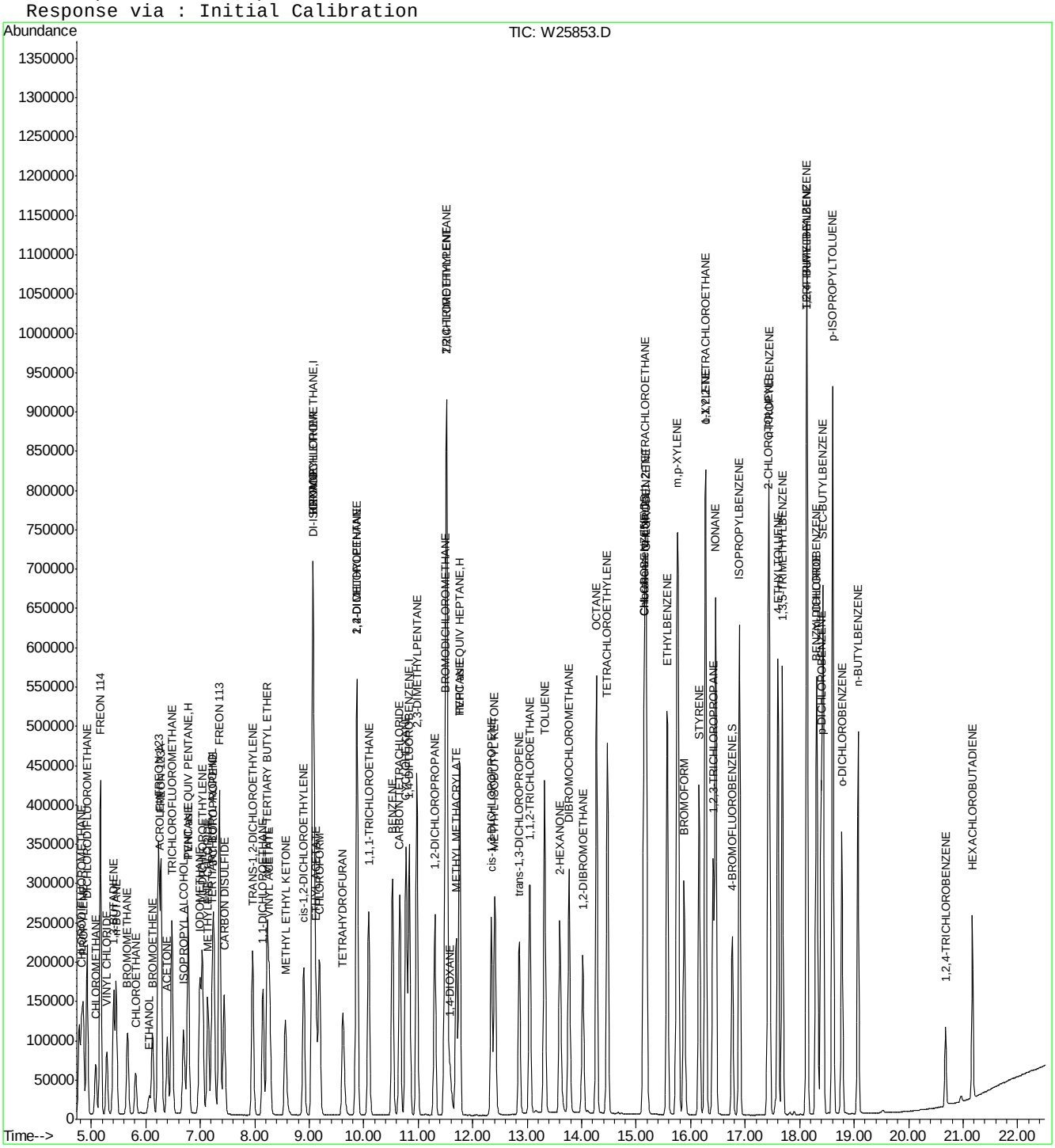
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:00 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

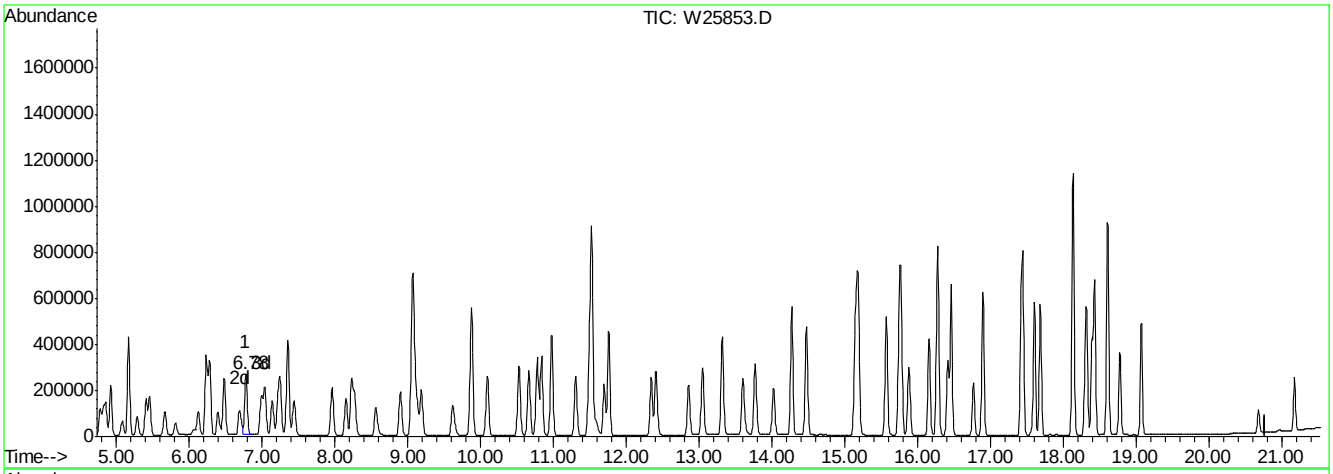


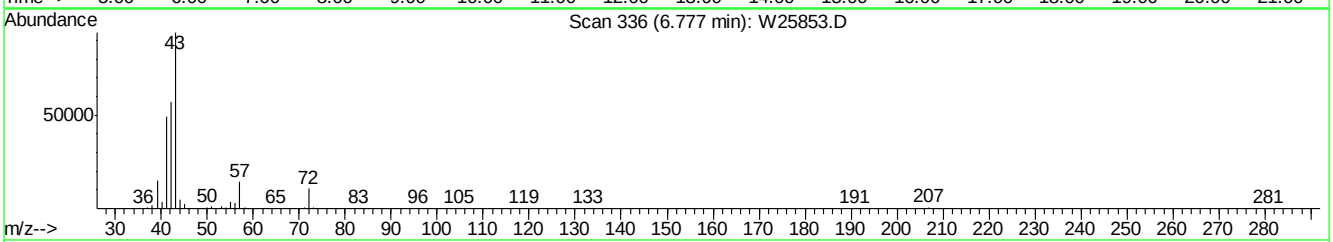
ACCUTEST Laboratories JA45152

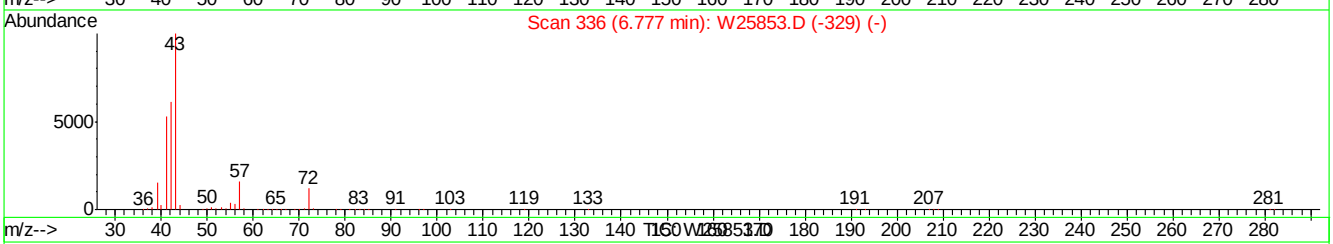
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 9.98PPBV m

response 672649

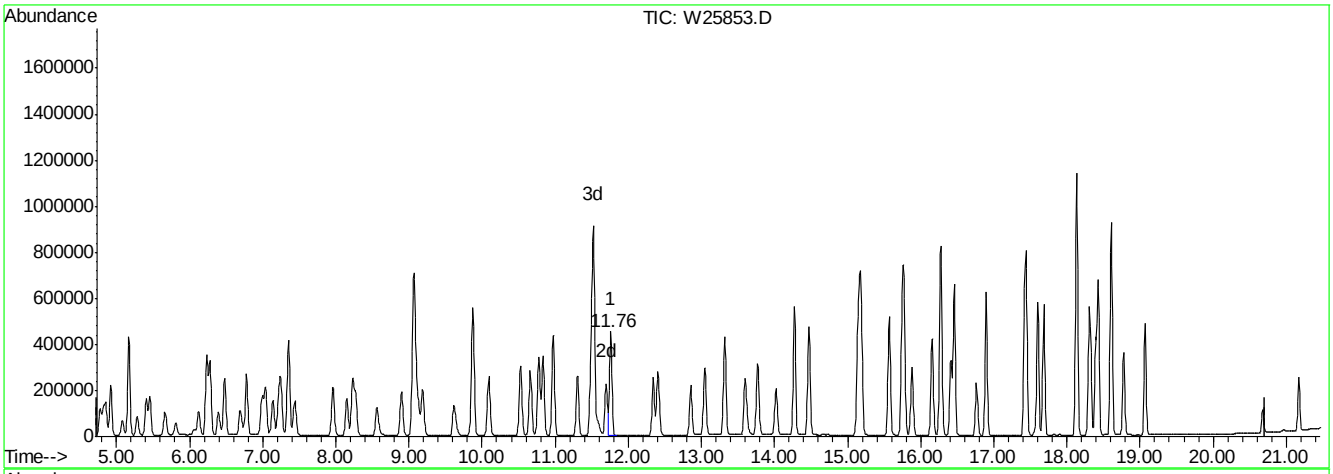
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

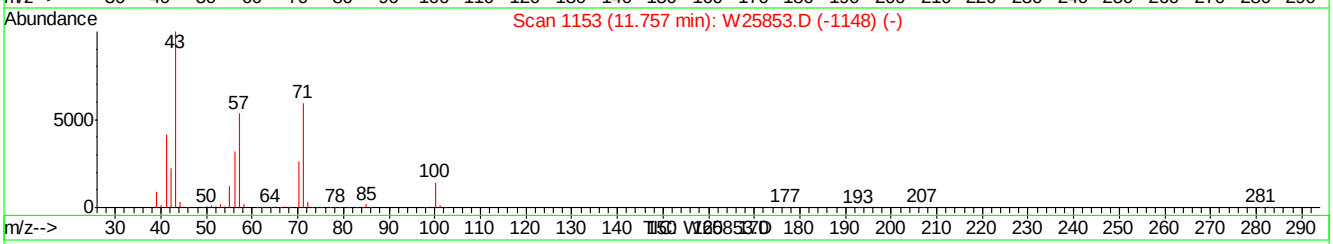
W25853.D MW1071.M Wed Apr 14 11:33:59 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.76min 9.98PPBV m

response 1047401

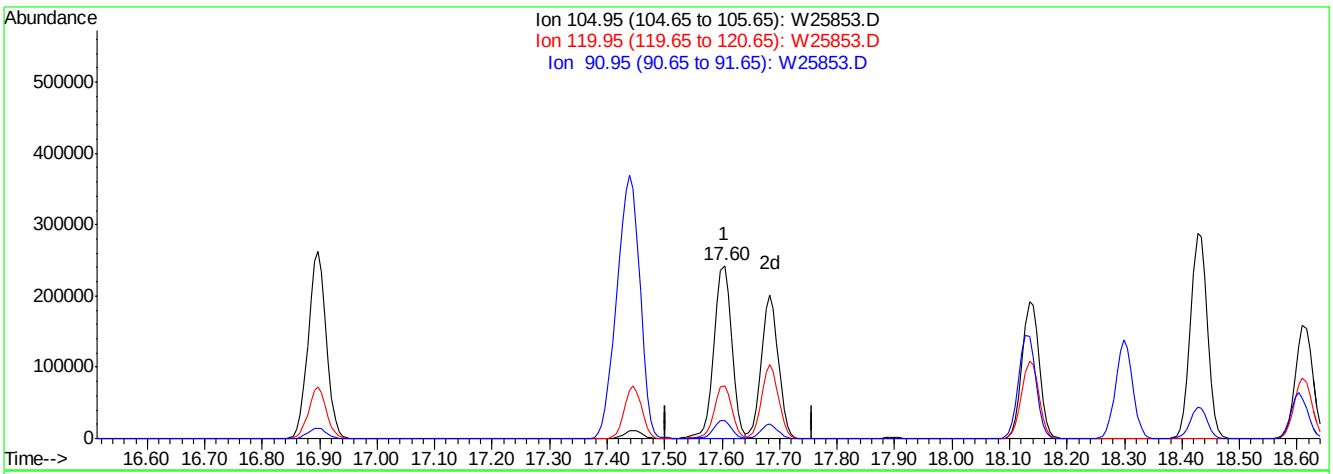
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

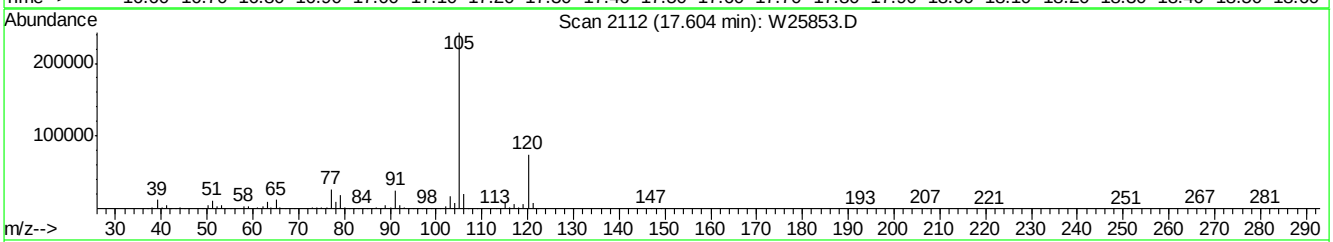
W25853.D MW1071.M Wed Apr 14 11:34:03 2010 MSW

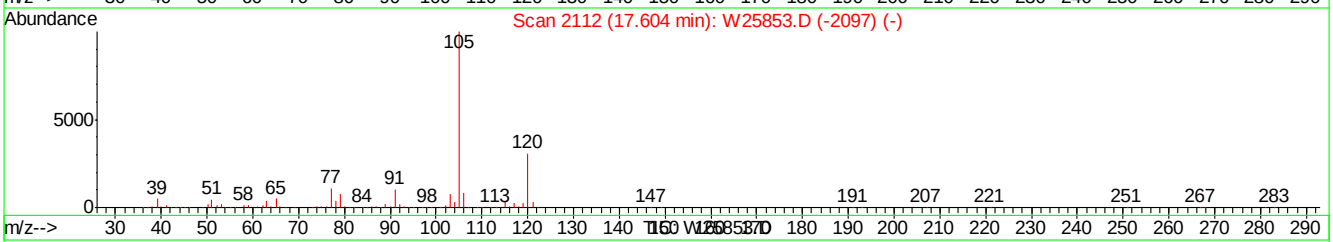
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 10.00PPBV

response 518457

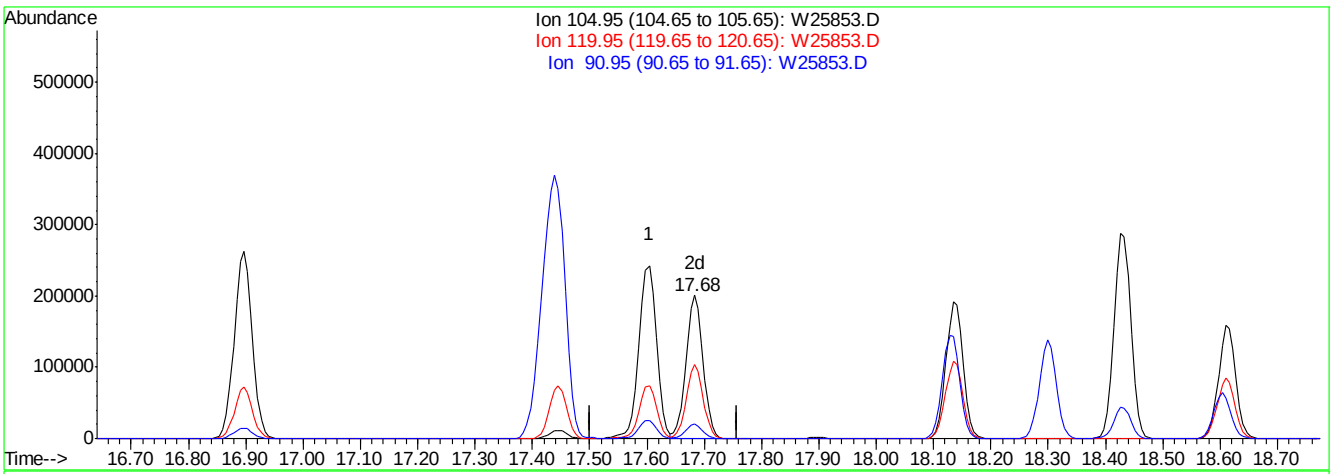
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.35
90.95	9.70	10.31
0.00	0.00	0.00

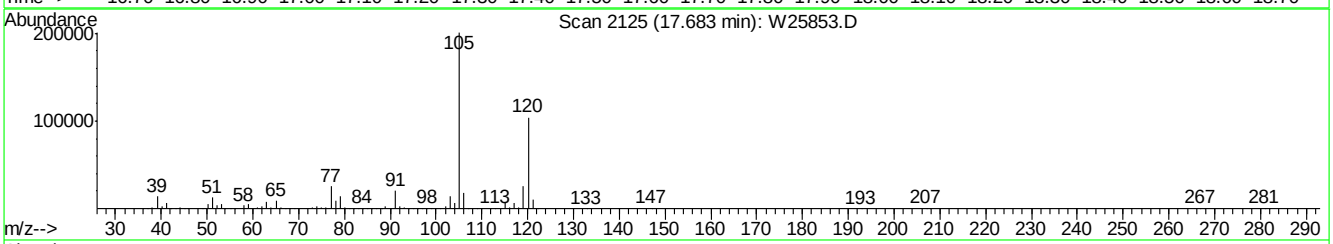
W25853.D MW1071.M Wed Apr 14 11:45:46 2010 MSW

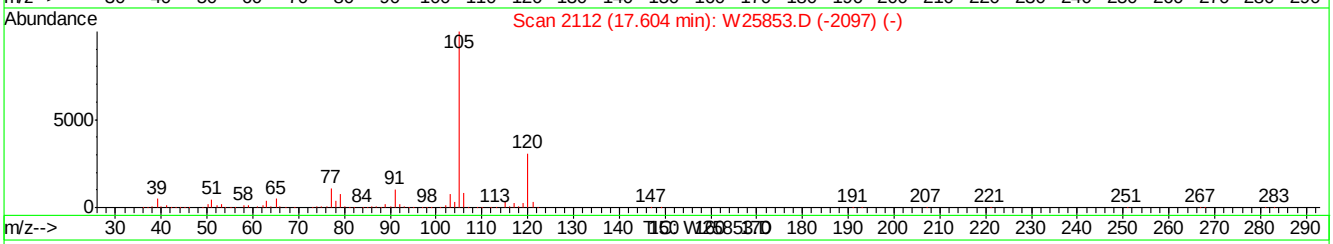
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.68min 8.02PPBV m

response 415889

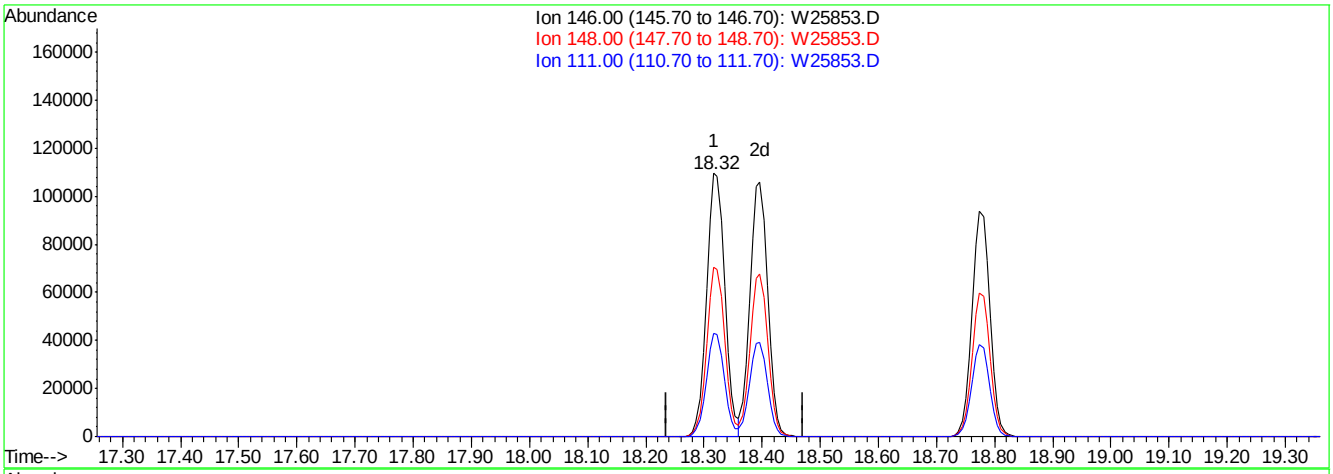
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	37.83
90.95	9.70	12.85
0.00	0.00	0.00

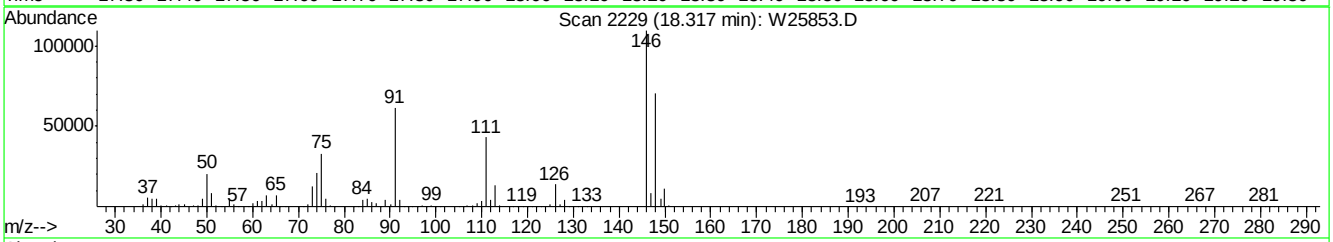
W25853.D MW1071.M Wed Apr 14 11:46:05 2010 MSW

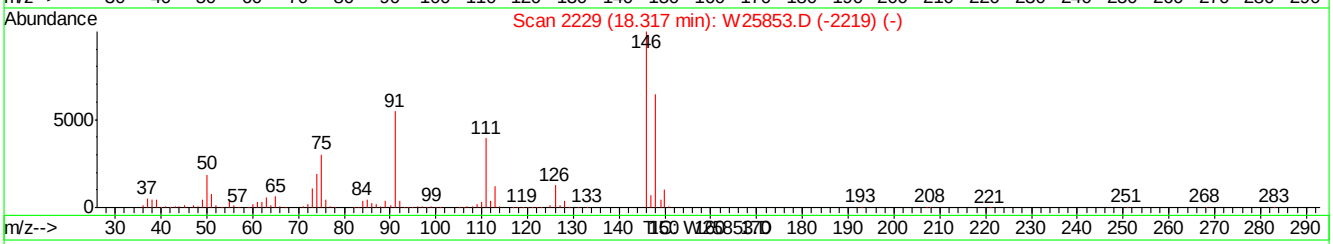
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:45 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 10.00PPBV

response 238096

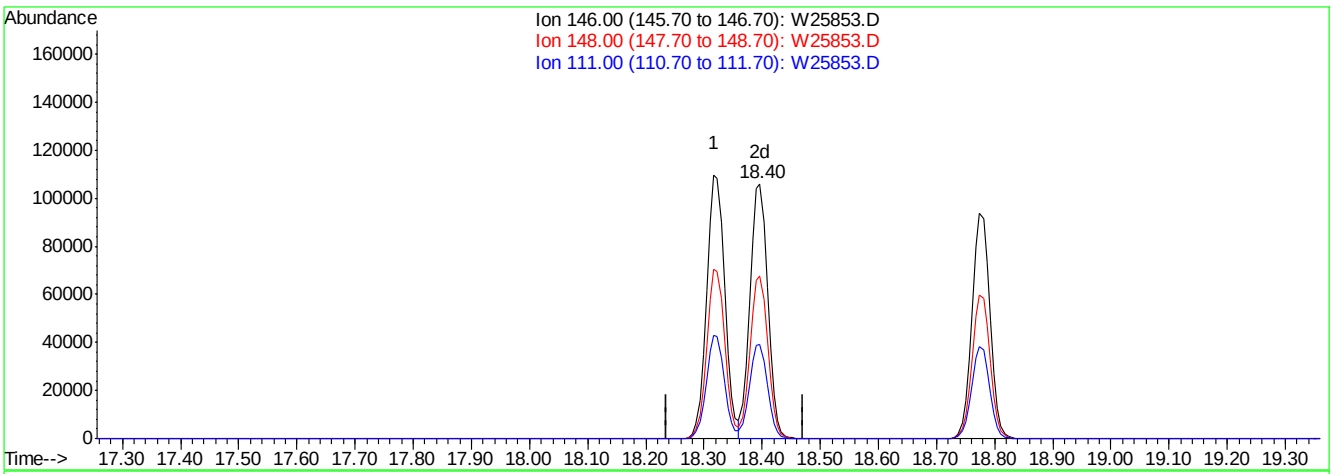
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	63.90
111.00	37.90	39.07
0.00	0.00	0.00

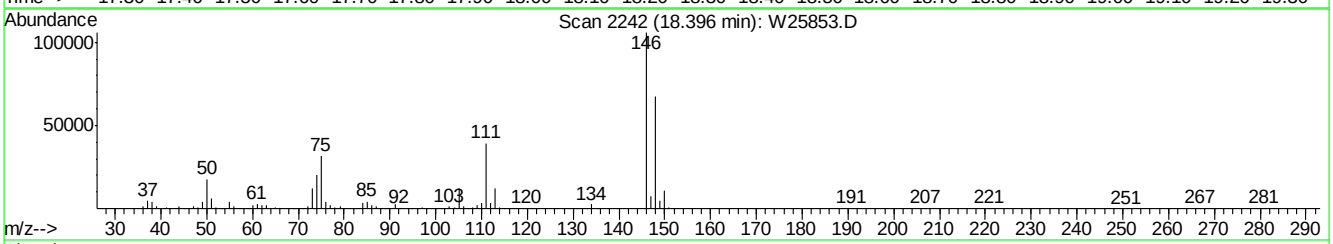
W25853.D MW1071.M Wed Apr 14 12:00:42 2010 MSW

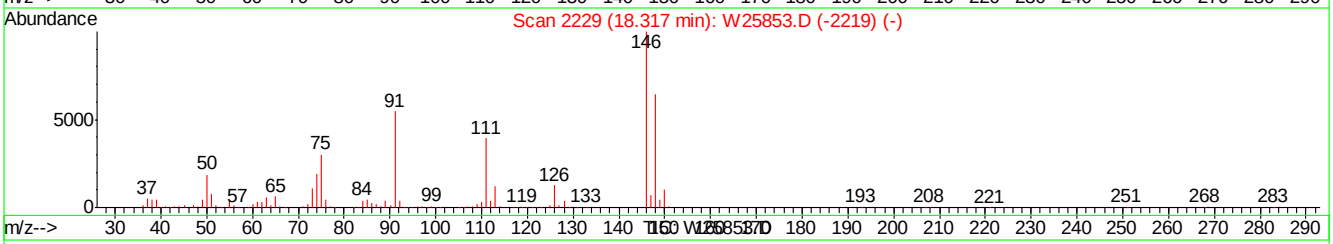
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25853.D Vial: 2
Acq On : 12 Apr 2010 9:04 pm Operator: YOUMINH
Sample : ICC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 9.43PPBV m

response 224557

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	67.76
111.00	37.90	41.42
0.00	0.00	0.00

W25853.D MW1071.M Wed Apr 14 12:00:47 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	74384	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	362858	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.15	82	191666	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.15	82	191668	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	102411	4.75	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.81	67	49052	17.89	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	491846	17.95	PPBV		98
6) PROPYLENE	4.85	41	182100	18.09	PPBV		97
7) FREON 114	5.16	85	550197	17.95	PPBV		100
8) CHLOROMETHANE	5.08	52	60161	18.02	PPBV	#	88
9) VINYL CHLORIDE	5.28	62	220234	18.14	PPBV		99
10) 1,3-BUTADIENE	5.41	54	178573	17.97	PPBV	#	86
11) n-BUTANE	5.45	43	363525	18.19	PPBV		97
12) BROMOMETHANE	5.66	94	177459	17.53	PPBV		100
13) CHLOROETHANE	5.81	64	118681	17.69	PPBV		97
14) ACROLEIN	6.25	56	79827	18.08	PPBV		98
15) FREON 123	6.23	83	453671	17.70	PPBV	#	99
16) FREON 123A	6.28	117	263576	17.58	PPBV		94
17) TRICHLOROFLUOROMETHANE	6.48	101	487105	17.64	PPBV		100
18) ISOPROPYL ALCOHOL	6.70	45	382132	17.47	PPBV	#	54
19) ACETONE	6.38	58	93532	17.49	PPBV	#	61
20) PENTANE	6.78	57	63157	17.43	PPBV	#	80
21) TVHC as EQUIV PENTANE	6.78	TIC	1194283m	17.99	PPBV		
22) IODOMETHANE	6.99	142	485470	17.63	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.03	96	187675	17.67	PPBV	#	82
24) CARBON DISULFIDE	7.44	76	579273	17.82	PPBV		95
25) ETHANOL	6.05	45	79038	17.11	PPBV		98
26) BROMOETHENE	6.12	106	184674	17.55	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	167282	17.88	PPBV		85
28) 3-CHLOROPROPENE	7.25	76	100920	17.93	PPBV	#	64
29) FREON 113	7.35	151	324415	18.03	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	210145	17.97	PPBV		92
31) TERTIARY BUTYL ALCOHOL	7.23	59	486314	17.26	PPBV	#	96
32) METHYL TERTIARY BUTYL ETHE	8.22	73	559748	17.34	PPBV		95
33) TETRAHYDROFURAN	9.61	72	97514	17.21	PPBV	#	81
34) HEXANE	9.06	57	358197	17.61	PPBV		88
35) VINYL ACETATE	8.27	86	54906	17.30	PPBV	#	47
36) 1,1-DICHLOROETHANE	8.15	63	379896	17.69	PPBV		99
37) METHYL ETHYL KETONE	8.56	72	99571	17.20	PPBV	#	69
38) cis-1,2-DICHLOROETHYLENE	8.90	96	211801	18.03	PPBV		93
39) DI-ISOPROPYL ETHER	9.08	45	739040	17.09	PPBV		96
40) ETHYL ACETATE	9.12	61	63106	16.73	PPBV	#	64
41) CHLOROFORM	9.19	83	397733	17.75	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.87	57	435783	17.63	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	405423	17.81	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	423552	17.98	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	258296	17.58	PPBV		98
47)	BENZENE	10.53	78	644494	18.41	PPBV		98
48)	CYCLOHEXANE	10.78	84	312166	18.50	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.98	71	167511	18.55	PPBV		92
50)	TRICHLOROETHYLENE	11.52	95	271358	18.75	PPBV		97
51)	1,2-DICHLOROPROPANE	11.31	63	235344	18.36	PPBV		97
52)	BROMODICHLOROMETHANE	11.50	83	446658	18.54	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	1154782	18.27	PPBV		99
54)	1,4-DIOXANE	11.58	88	139662	18.45	PPBV		89
55)	METHYL METHACRYLATE	11.70	69	221525	18.06	PPBV	#	78
56)	HEPTANE	11.76	43	427106	18.12	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.76	TIC	1840314m	18.56	PPBV		
58)	METHYL ISOBUTYL KETONE	12.41	43	477313	17.83	PPBV		92
59)	cis-1,3-DICHLOROPROPENE	12.35	75	370288	18.41	PPBV		88
60)	TOLUENE	13.32	92	461190	18.50	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	314426	18.47	PPBV		91
62)	1,1,2-TRICHLOROETHANE	13.06	83	206339	18.53	PPBV		100
64)	2-HEXANONE	13.60	43	456360	17.51	PPBV		90
65)	TETRACHLOROETHYLENE	14.48	164	295921	18.59	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.78	129	435324	18.41	PPBV		100
67)	1,2-DIBROMOETHANE	14.03	107	360513	18.25	PPBV		99
68)	OCTANE	14.28	43	556861	17.62	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	314936	18.56	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	581293	18.40	PPBV		99
71)	ETHYLBENZENE	15.57	91	948427	18.09	PPBV		99
72)	m,p-XYLENE	15.76	106	745466	36.51	PPBV		99
73)	o-XYLENE	16.28	106	357383	18.41	PPBV		98
74)	STYRENE	16.16	104	550984	18.26	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	357551	18.13	PPBV		98
76)	NONANE	16.46	43	535420	17.71	PPBV		93
77)	BROMOFORM	15.88	173	393534	18.64	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	437882	18.17	PPBV		100
80)	ISOPROPYLBENZENE	16.90	105	1008952	18.21	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	238390	18.73	PPBV	#	91
82)	n-PROPYLBENZENE	17.45	120	275742	18.56	PPBV		93
83)	4-ETHYLTOLUENE	17.60	105	907457	18.25	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.69	105	730237m	14.59	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	193217	18.63	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.14	105	710004	18.52	PPBV		98
87)	m-DICHLOROBENZENE	18.32	146	432650	18.83	PPBV		100
88)	BENZYL CHLORIDE	18.31	91	532355	19.10	PPBV		98
89)	p-DICHLOROBENZENE	18.40	146	419269m	18.25	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	224516	18.83	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.60	134	221349	18.94	PPBV		97
92)	o-DICHLOROBENZENE	18.78	146	371130	19.20	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	174227	18.48	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	100182	17.85	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	88531	19.67	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:54 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

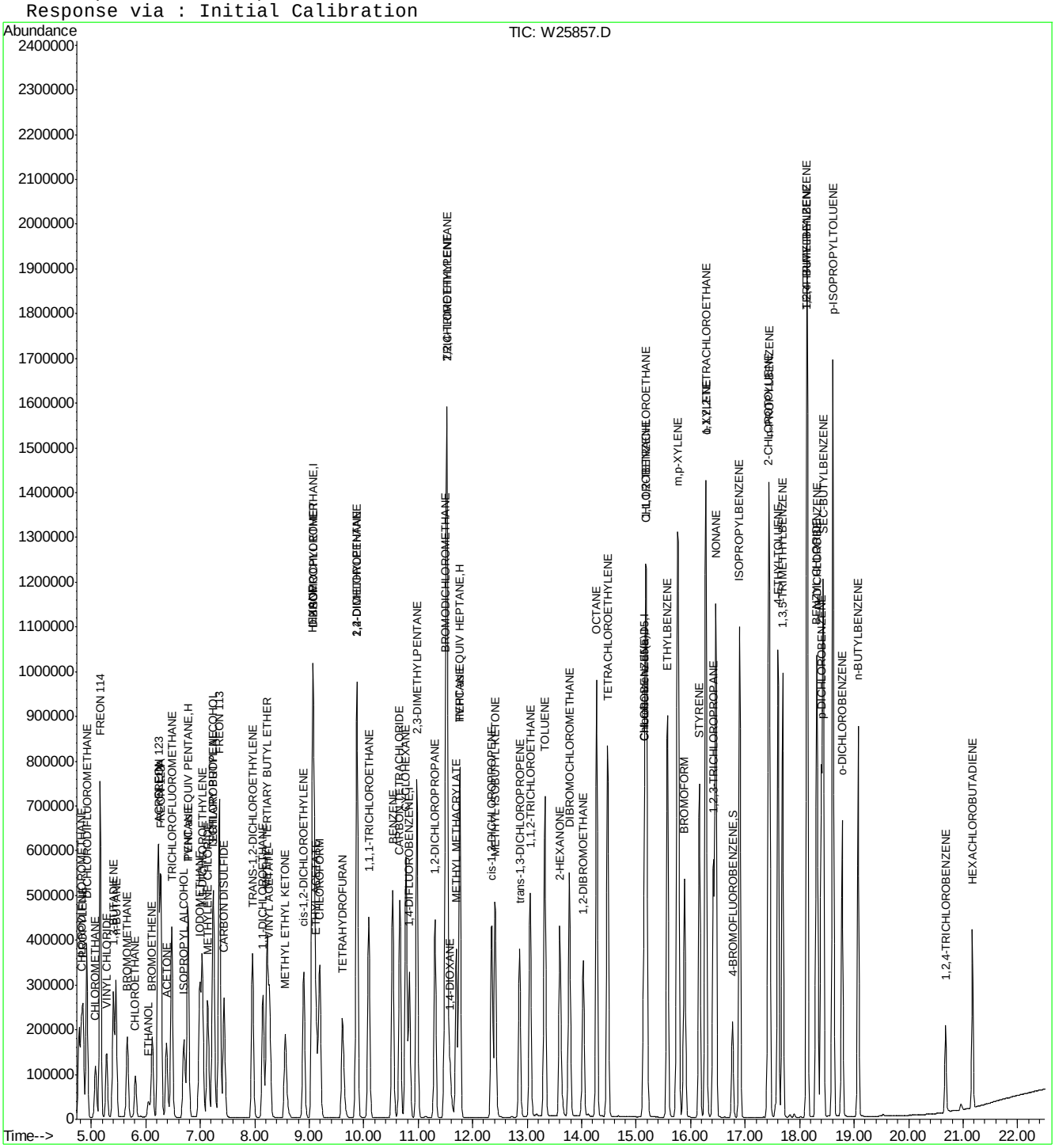
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

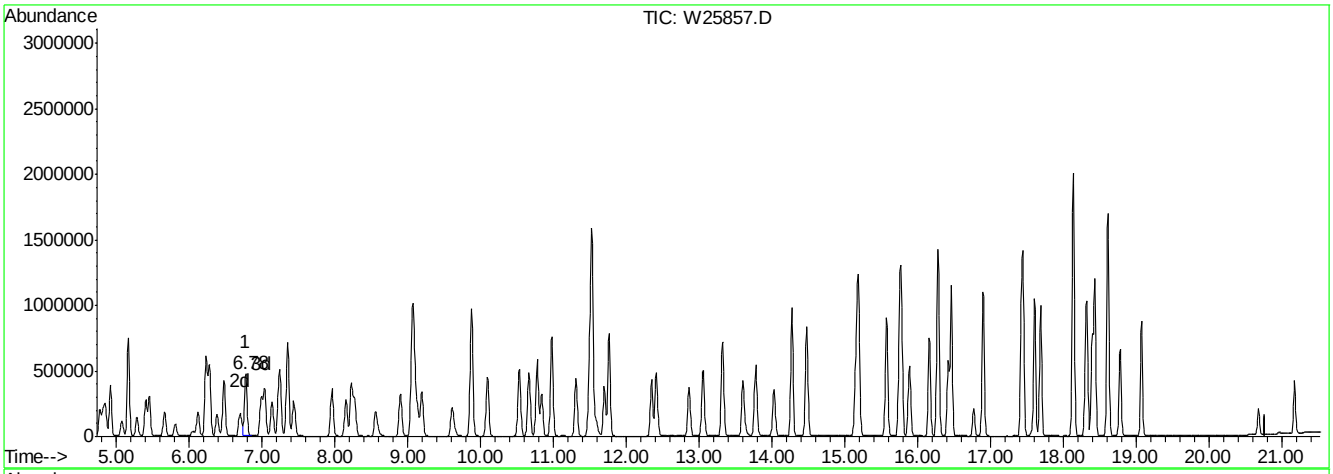


ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration



(21) TVHC as EQUIV PENTANE (H)

6.78min 17.99PPBV m

response 1194283

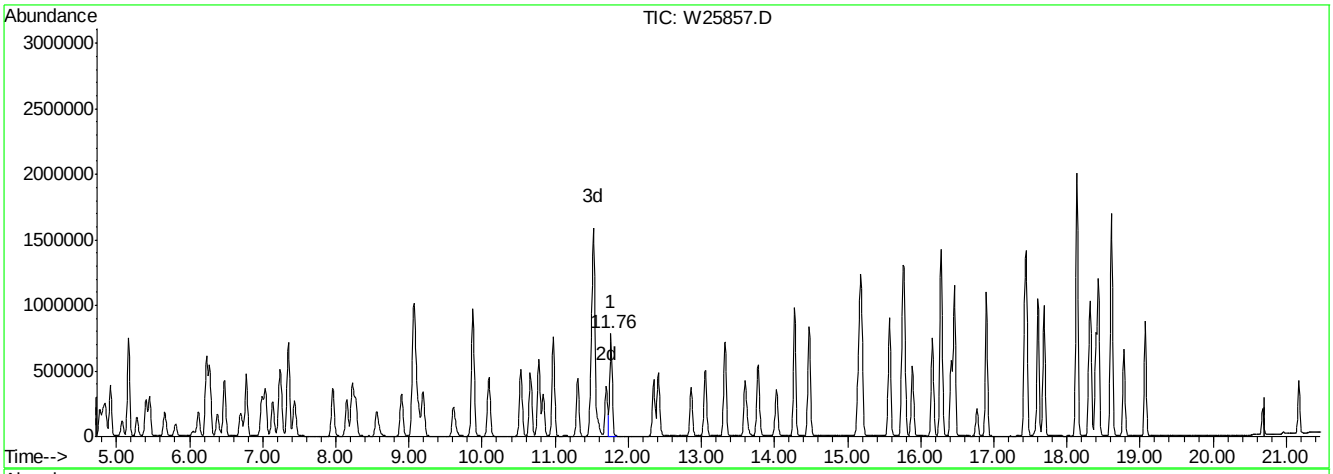
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

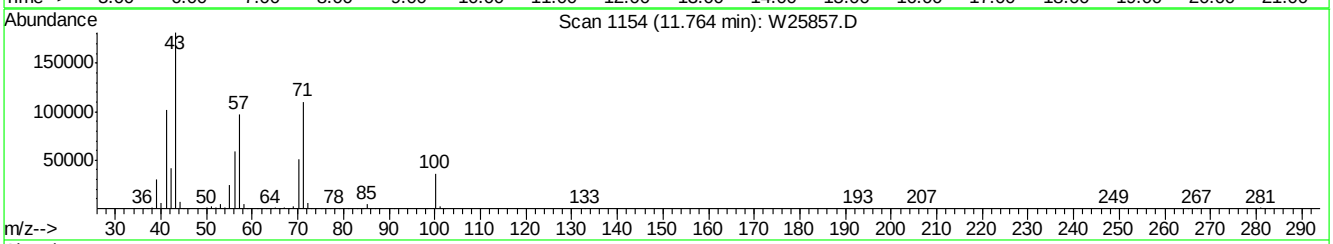
W25857.D MW1071.M Wed Apr 14 11:34:09 2010 MSW

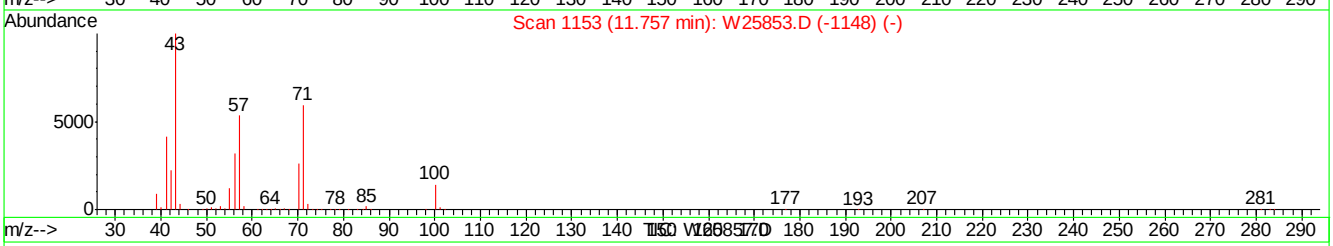
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.76min 18.56PPBV m

response 1840314

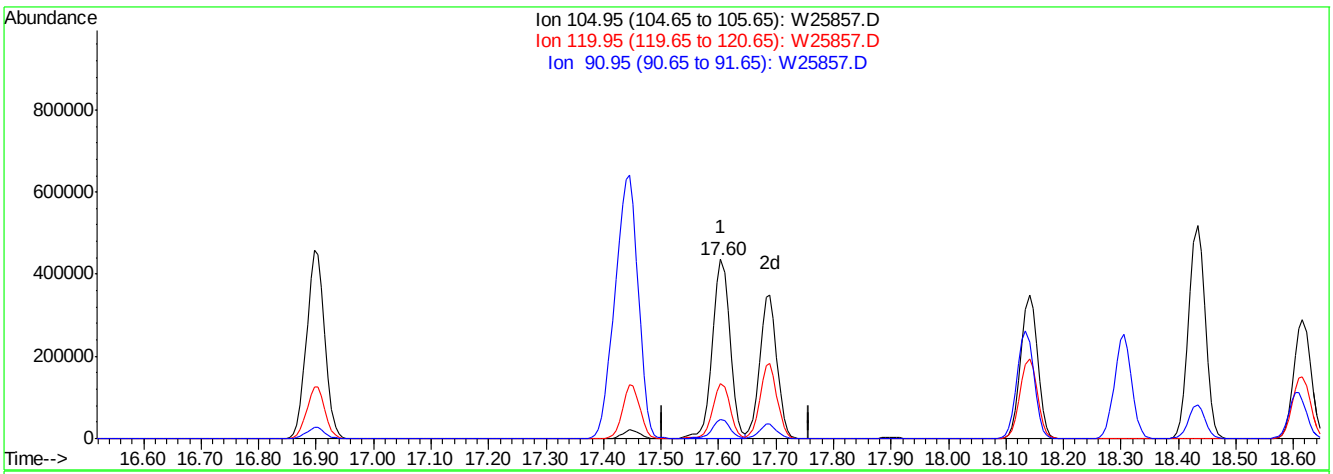
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

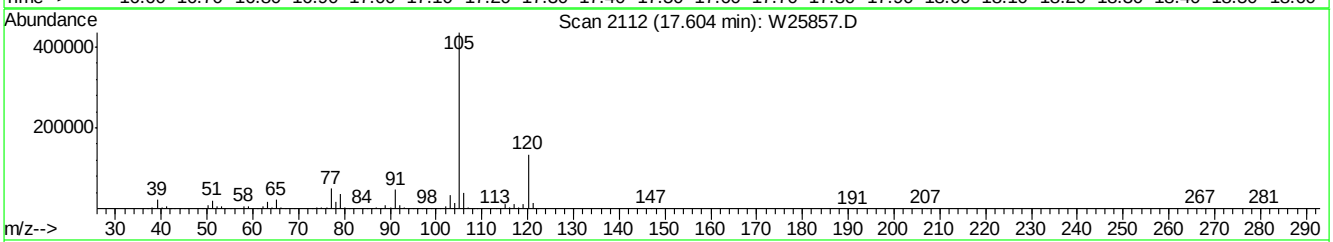
W25857.D MW1071.M Wed Apr 14 11:34:12 2010 MSW

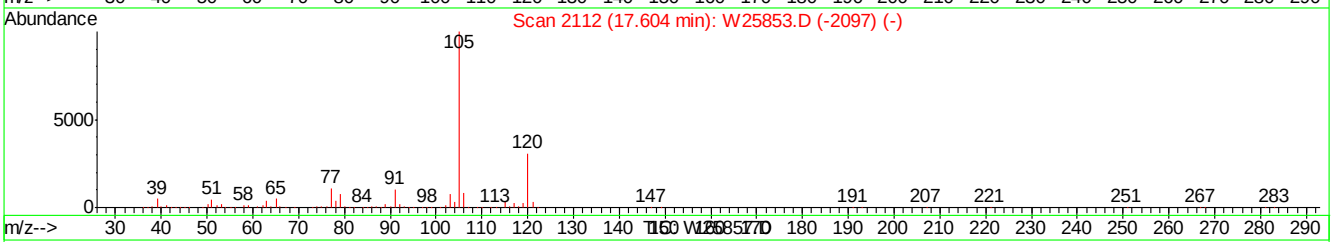
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 18.31PPBV

response 916071

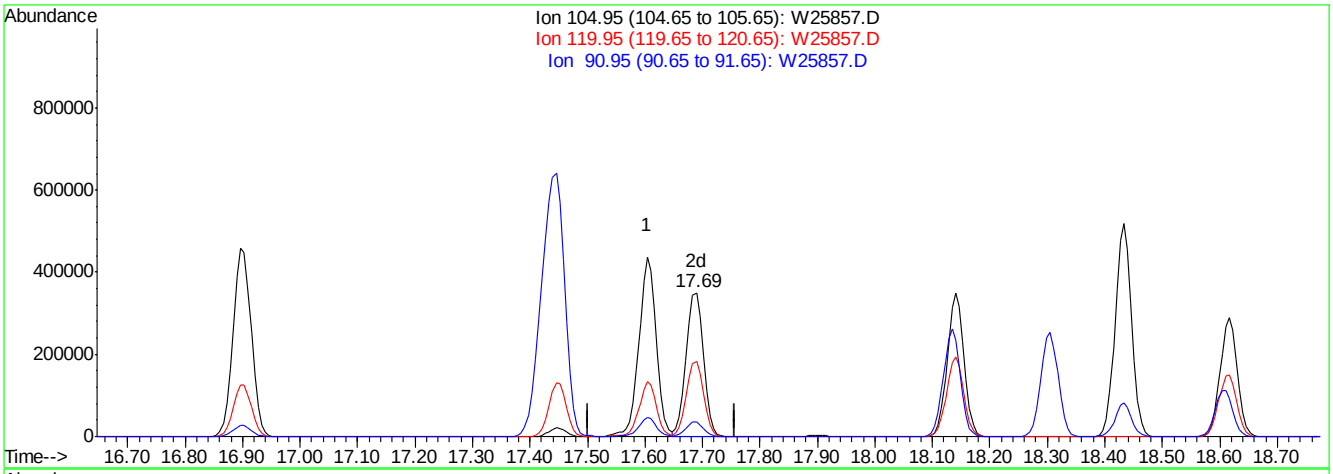
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.70
90.95	9.70	10.43
0.00	0.00	0.00

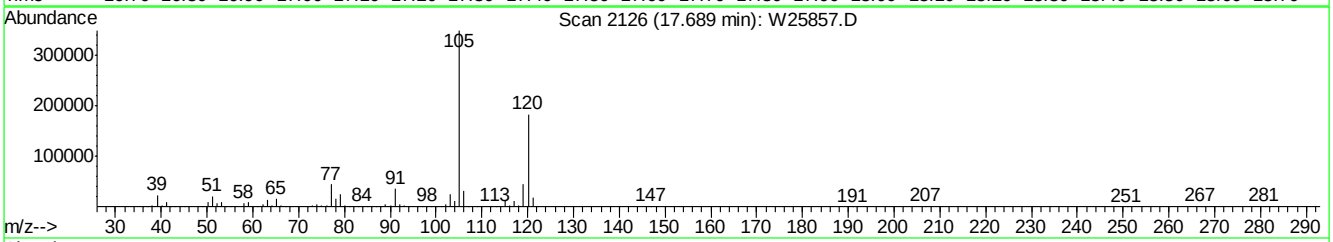
W25857.D MW1071.M Wed Apr 14 11:46:15 2010 MSW

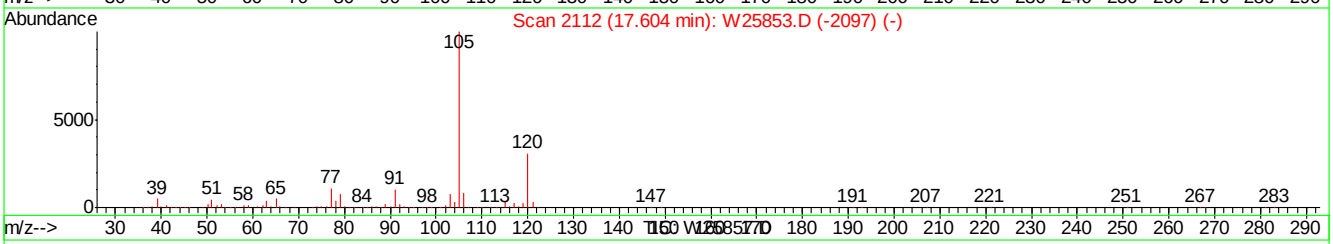
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.69min 14.59PPBV m

response 730237

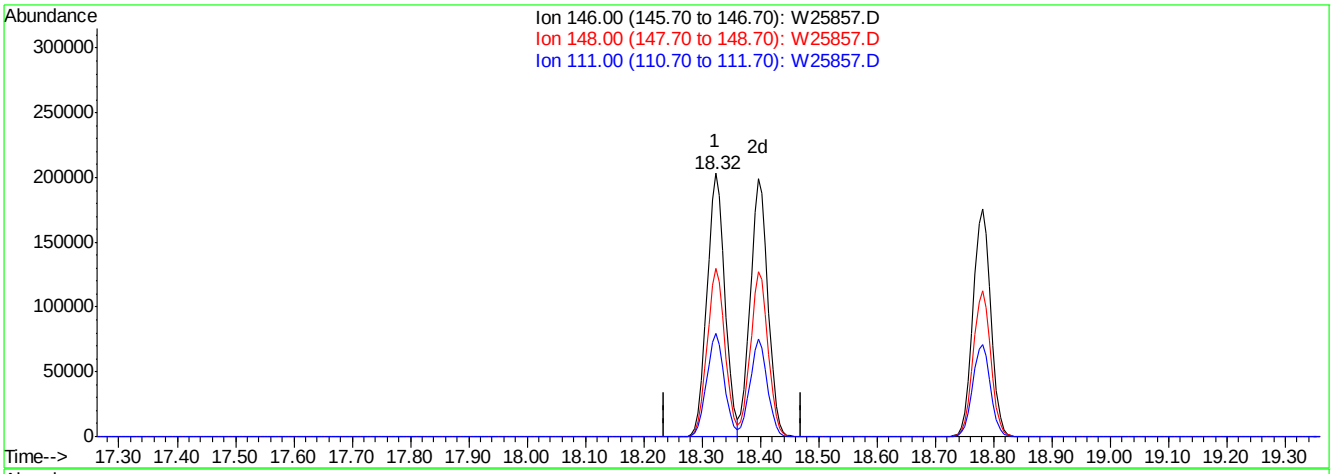
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	38.51
90.95	9.70	13.09
0.00	0.00	0.00

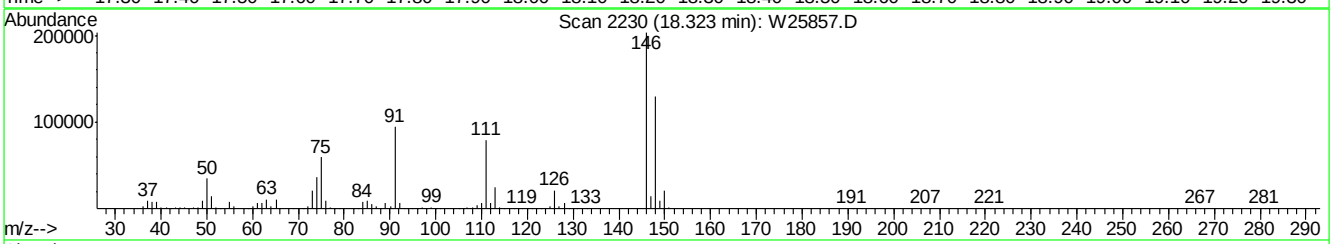
W25857.D MW1071.M Wed Apr 14 11:46:31 2010 MSW

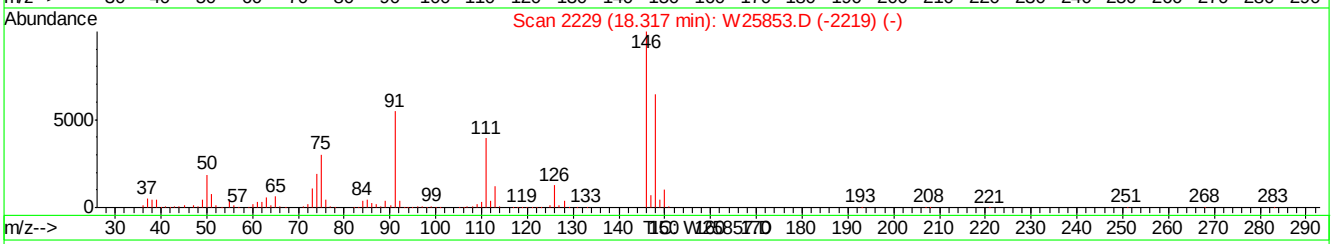
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 18.83PPBV

response 432637

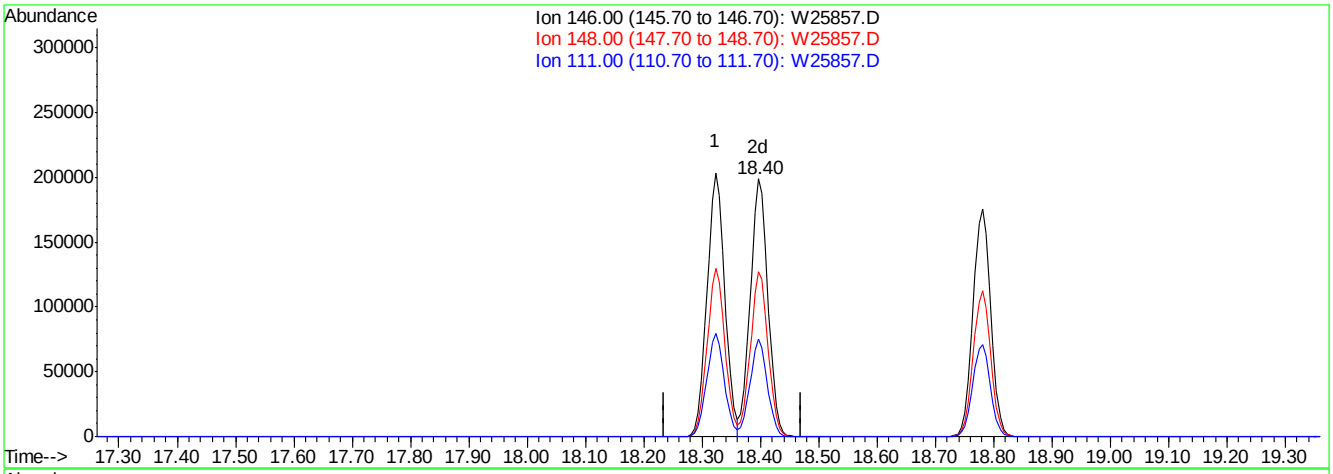
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	63.99
111.00	37.90	38.92
0.00	0.00	0.00

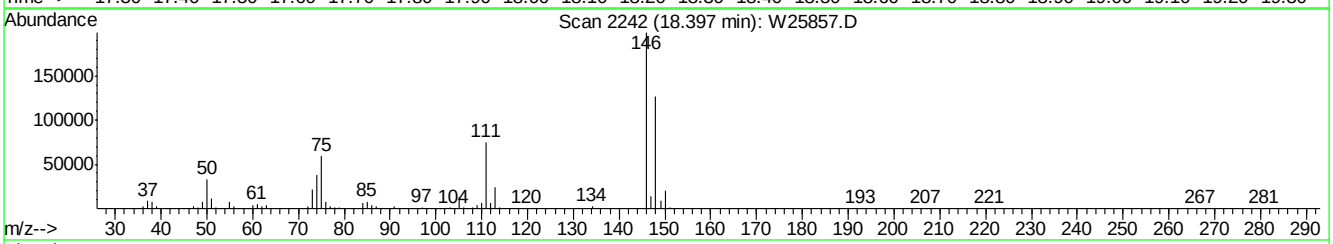
W25857.D MW1071.M Wed Apr 14 12:01:30 2010 MSW

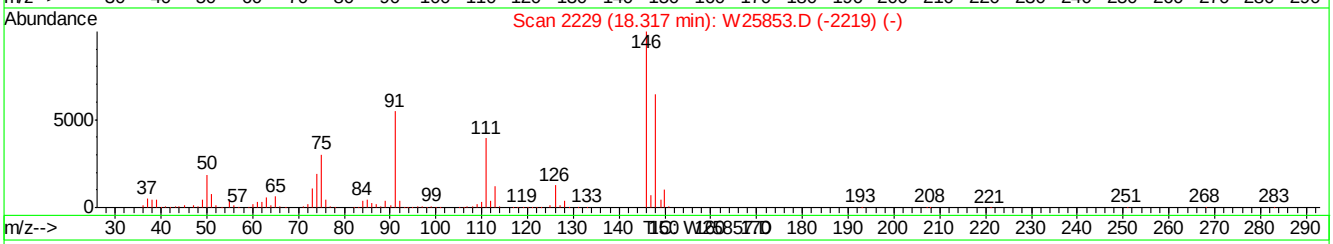
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25857.D Vial: 2
Acq On : 13 Apr 2010 12:29 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 18.25PPBV m

response 419269

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.03
111.00	37.90	40.16
0.00	0.00	0.00

W25857.D MW1071.M Wed Apr 14 12:01:34 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 12:51

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.06	128	77163	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.84	114	387714	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.14	82	189240	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	189240	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	104131	4.89	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.82	67	14168	4.98	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.92	85	138866	4.89	PPBV		98
6) PROPYLENE	4.85	41	50337	4.82	PPBV		96
7) FREON 114	5.16	85	154538	4.86	PPBV		99
8) CHLOROMETHANE	5.08	52	16816	4.86	PPBV	#	85
9) VINYL CHLORIDE	5.28	62	60973	4.84	PPBV		100
10) 1,3-BUTADIENE	5.41	54	49235	4.78	PPBV	#	85
11) n-BUTANE	5.45	43	99805	4.81	PPBV		98
12) BROMOMETHANE	5.66	94	51731	4.92	PPBV		99
13) CHLOROETHANE	5.81	64	34533	4.96	PPBV		97
14) ACROLEIN	6.29	56	21797	4.76	PPBV		99
15) FREON 123	6.23	83	131765	4.95	PPBV	#	74
16) FREON 123A	6.28	117	77747	5.00	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.48	101	142088	4.96	PPBV		100
18) ISOPROPYL ALCOHOL	6.73	45	96798	4.27	PPBV	#	57
19) ACETONE	6.42	58	25062	4.52	PPBV	#	67
20) PENTANE	6.78	57	18209	4.84	PPBV	#	75
21) TVHC as EQUIV PENTANE	6.78	TIC	376219m	5.46	PPBV		
22) IODOMETHANE	6.99	142	142998	5.01	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.04	96	54469	4.94	PPBV	#	85
24) CARBON DISULFIDE	7.44	76	165684	4.91	PPBV		96
25) ETHANOL	6.11	45	23259	4.85	PPBV		91
26) BROMOETHENE	6.12	106	54733	5.01	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	48084	4.96	PPBV		87
28) 3-CHLOROPROPENE	7.25	76	28676	4.91	PPBV	#	74
29) FREON 113	7.36	151	94194	5.05	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	59813	4.93	PPBV		94
31) TERTIARY BUTYL ALCOHOL	7.25	59	121572	4.16	PPBV	#	95
32) METHYL TERTIARY BUTYL ETHE	8.24	73	149068	4.45	PPBV		95
33) TETRAHYDROFURAN	9.65	72	26299	4.48	PPBV	#	84
34) HEXANE	9.06	57	99877	4.73	PPBV		89
35) VINYL ACETATE	8.28	86	14958	4.54	PPBV	#	58
36) 1,1-DICHLOROETHANE	8.15	63	106197	4.77	PPBV		100
37) METHYL ETHYL KETONE	8.58	72	26313	4.38	PPBV	#	80
38) cis-1,2-DICHLOROETHYLENE	8.90	96	59738	4.90	PPBV		94
39) DI-ISOPROPYL ETHER	9.08	45	195214	4.35	PPBV		97
40) ETHYL ACETATE	9.14	61	17164	4.39	PPBV	#	77
41) CHLOROFORM	9.18	83	112104	4.82	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.88	57	120406	4.70	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	113806	4.82	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	120204	4.92	PPBV		100
45)	1,2-DICHLOROETHANE	9.86	62	71224	4.67	PPBV		99
47)	BENZENE	10.53	78	177907	4.76	PPBV		98
48)	CYCLOHEXANE	10.78	84	88198	4.89	PPBV		93
49)	2,3-DIMETHYLPENTANE	10.98	71	45914	4.76	PPBV		92
50)	TRICHLOROETHYLENE	11.52	95	75283	4.87	PPBV		96
51)	1,2-DICHLOROPROPANE	11.31	63	64396	4.70	PPBV		97
52)	BROMODICHLOROMETHANE	11.49	83	122807	4.77	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.53	57	308043	4.56	PPBV		99
54)	1,4-DIOXANE	11.62	88	37907	4.69	PPBV		95
55)	METHYL METHACRYLATE	11.71	69	57317	4.37	PPBV	#	78
56)	HEPTANE	11.76	43	115978	4.60	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.76	TIC	537497m	5.07	PPBV		
58)	METHYL ISOBUTYL KETONE	12.42	43	120622	4.22	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.35	75	99996	4.65	PPBV		89
60)	TOLUENE	13.32	92	125694	4.72	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	83234	4.57	PPBV		90
62)	1,1,2-TRICHLOROETHANE	13.05	83	56272	4.73	PPBV		100
64)	2-HEXANONE	13.62	43	104056	4.04	PPBV		90
65)	TETRACHLOROETHYLENE	14.48	164	82461	5.25	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.77	129	118062	5.06	PPBV		99
67)	1,2-DIBROMOETHANE	14.03	107	96438	4.94	PPBV		99
68)	OCTANE	14.28	43	151840	4.87	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	86032	5.14	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	158712	5.09	PPBV		100
71)	ETHYLBENZENE	15.57	91	256055	4.95	PPBV		100
72)	m,p-XYLENE	15.76	106	200330	9.94	PPBV		97
73)	o-XYLENE	16.27	106	94780	4.95	PPBV		99
74)	STYRENE	16.16	104	141416	4.75	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	92037	4.73	PPBV		98
76)	NONANE	16.46	43	140101	4.69	PPBV		93
77)	BROMOFORM	15.88	173	105249	5.05	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	112175	4.72	PPBV		99
80)	ISOPROPYLBENZENE	16.90	105	268504	4.91	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	62422	4.97	PPBV	#	92
82)	n-PROPYLBENZENE	17.45	120	70361	4.80	PPBV		99
83)	4-ETHYLTOLUENE	17.60	105	233818	4.76	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	186672m	3.78	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	49297	4.81	PPBV		94
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	174949	4.62	PPBV		95
87)	m-DICHLOROBENZENE	18.32	146	105372	4.64	PPBV		99
88)	BENZYL CHLORIDE	18.30	91	109427	3.98	PPBV		98
89)	p-DICHLOROBENZENE	18.40	146	98716m	4.35	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	55348	4.70	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	52075	4.51	PPBV		99
92)	o-DICHLOROBENZENE	18.77	146	87560	4.59	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	36772	3.95	PPBV		90
94)	HEXACHLOROBUTADIENE	21.18	225	20941	3.78	PPBV		98
95)	1,2,4-TRICHLOROBENZENE	20.68	180	16805	3.78	PPBV		90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:05:57 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

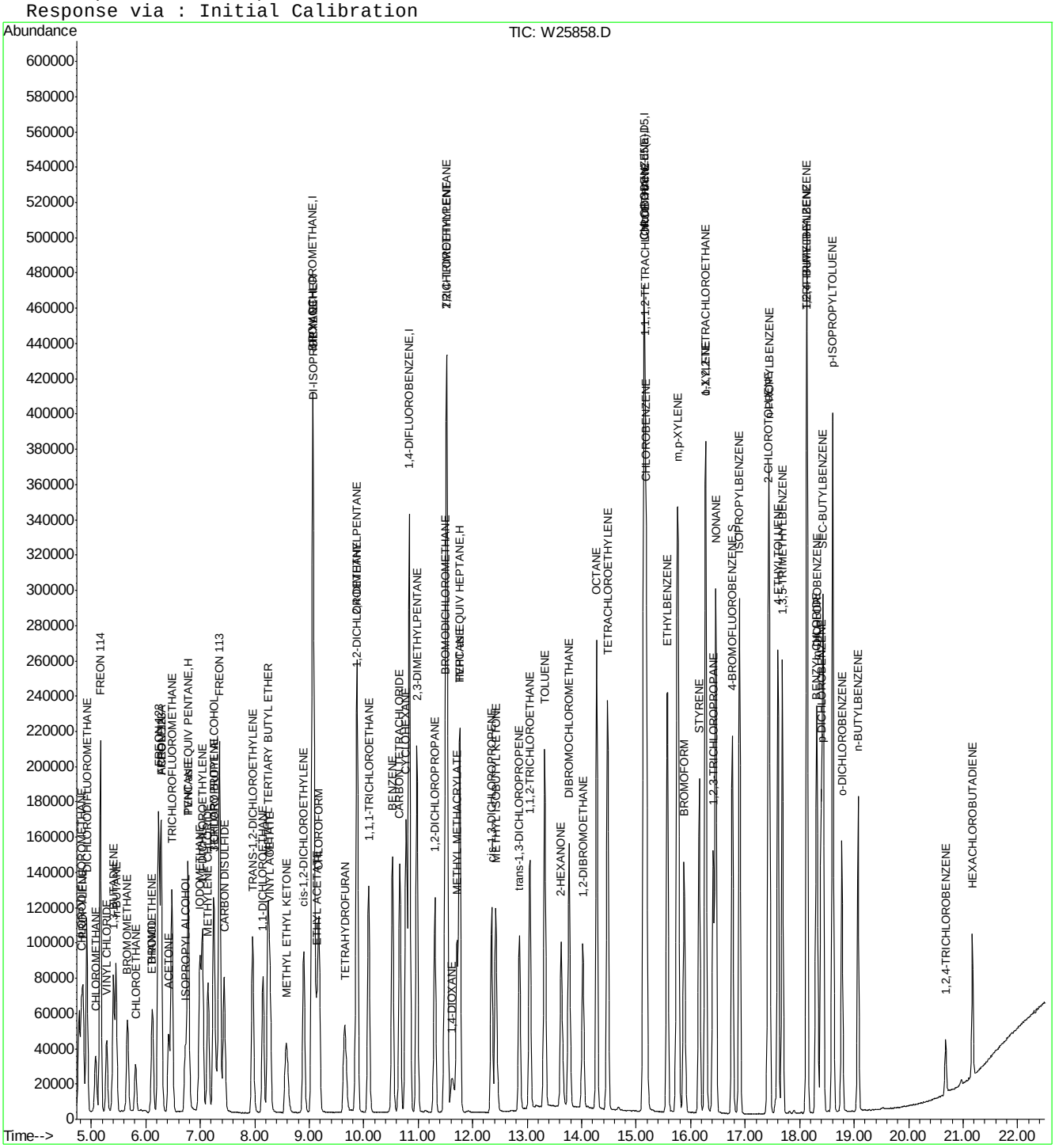
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

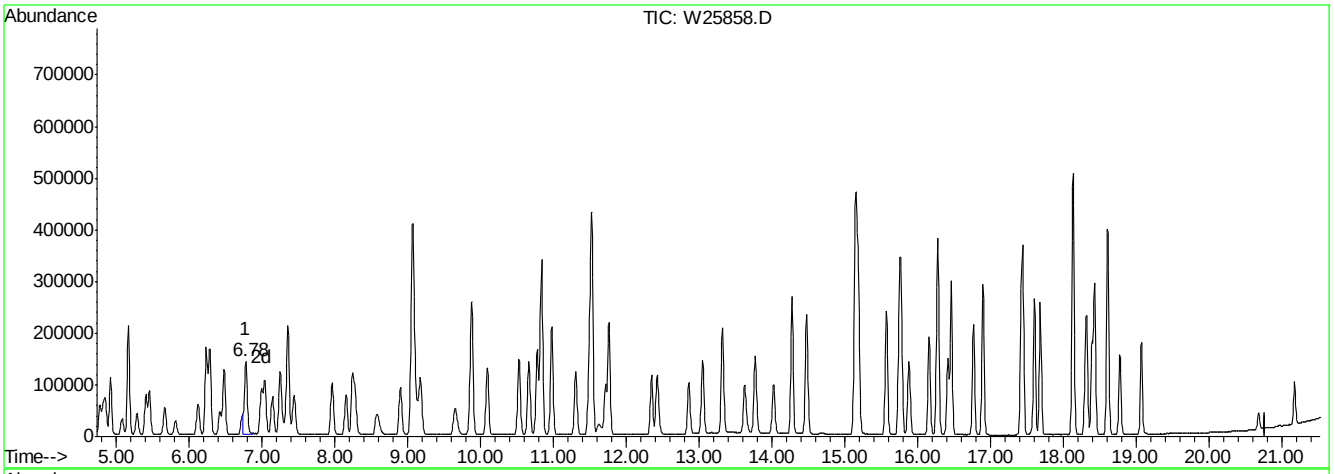


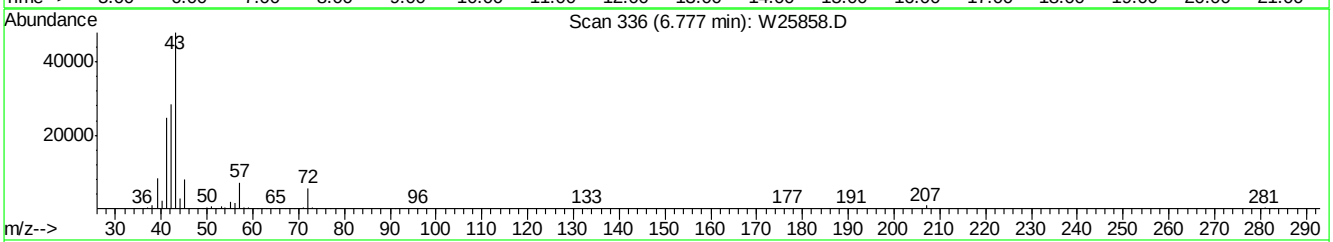
ACCUTEST JA45152 Laboratories

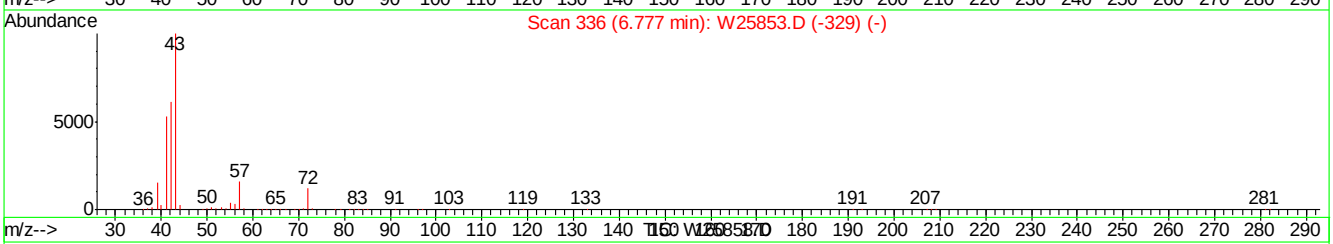
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 5.46PPBV m

response 376219

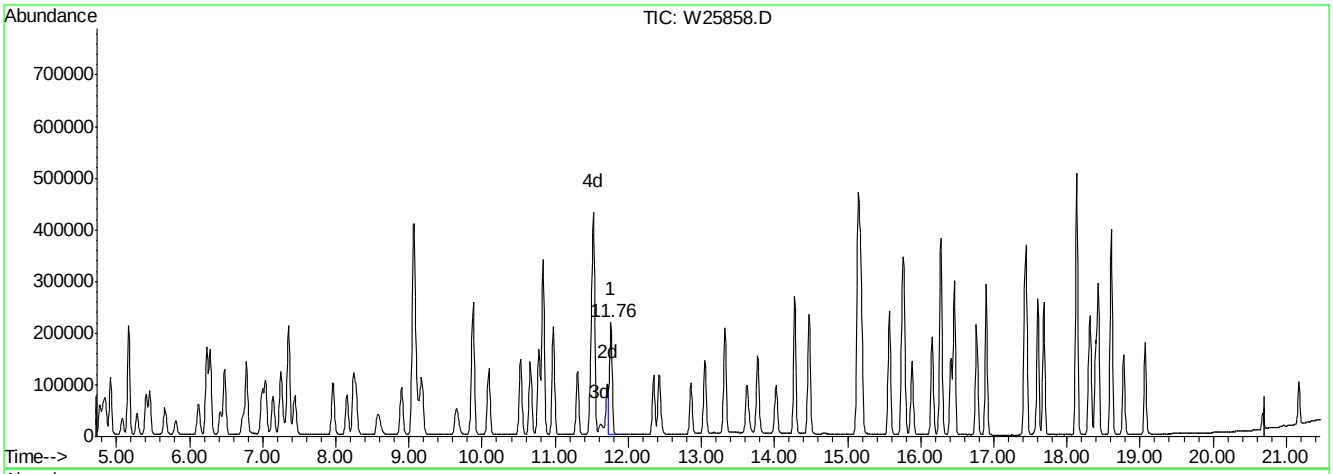
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

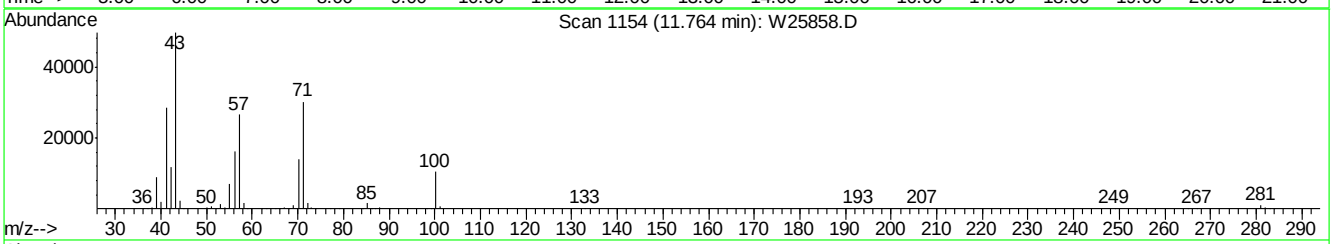
W25858.D MW1071.M Wed Apr 14 11:34:20 2010 MSW

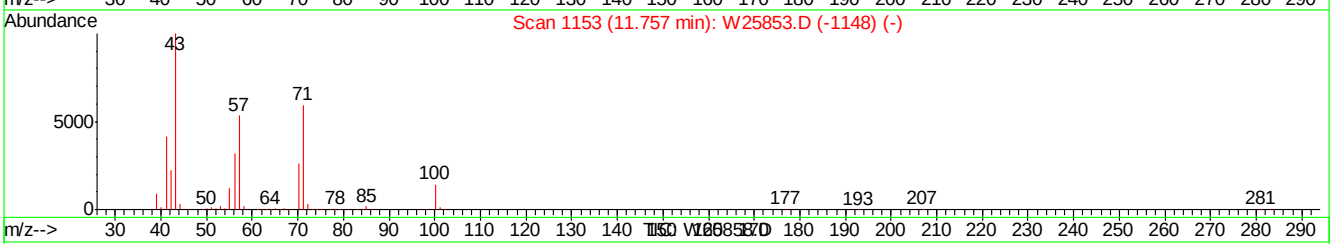
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.76min 5.07PPBV m

response 537497

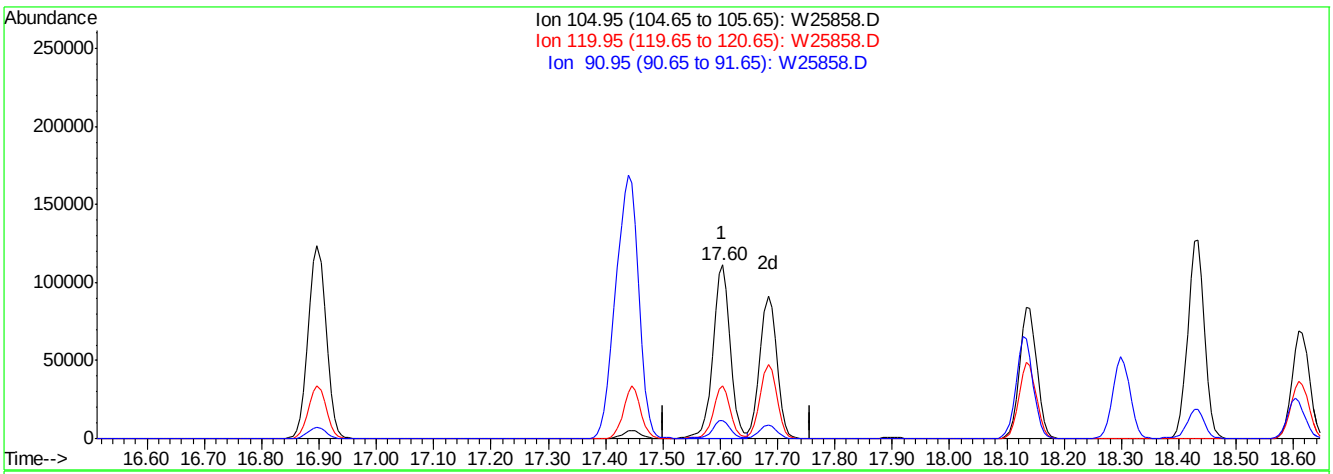
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

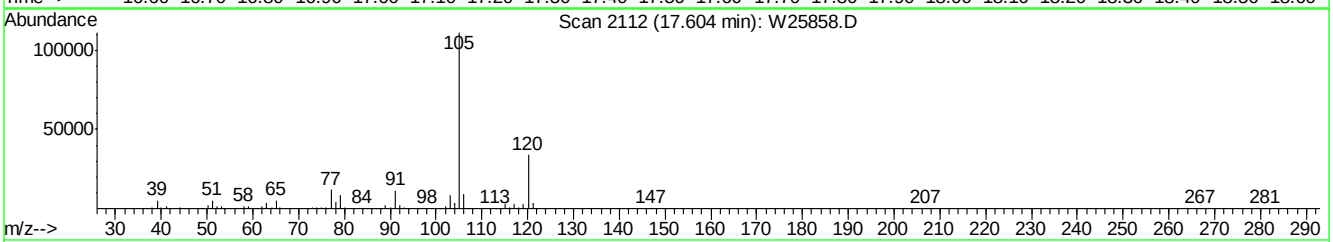
W25858.D MW1071.M Wed Apr 14 11:34:24 2010 MSW

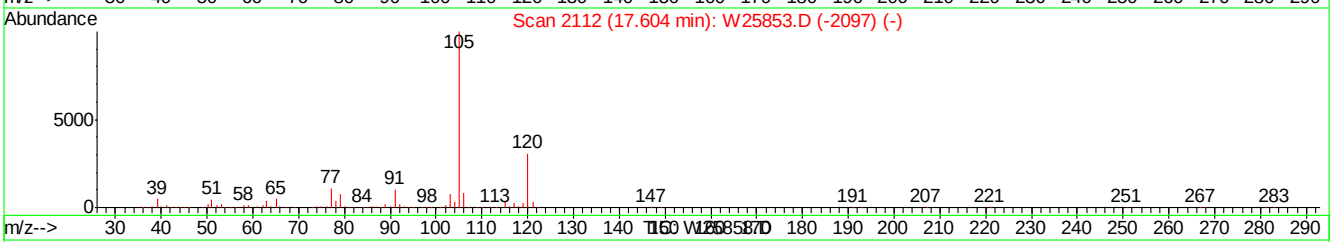
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 4.76PPBV

response 235043

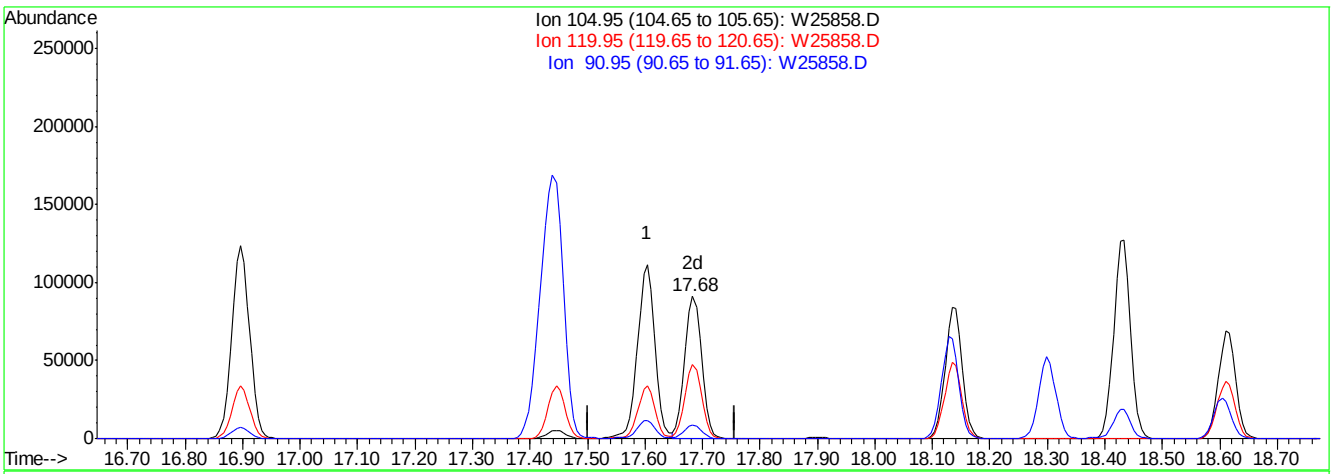
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.16
90.95	9.70	10.19
0.00	0.00	0.00

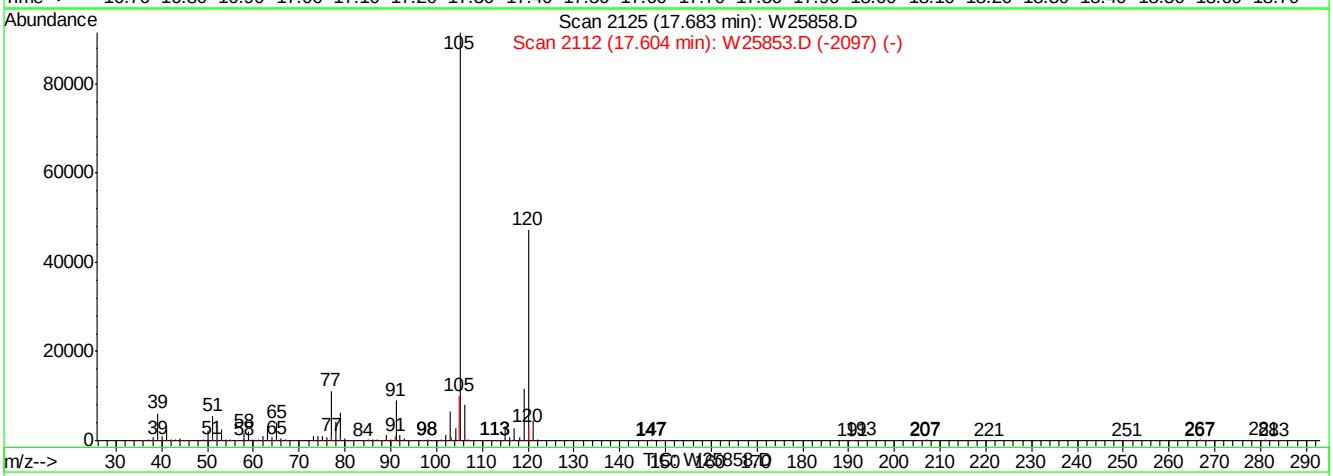
W25858.D MW1071.M Wed Apr 14 11:46:39 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 3.78PPBV m

response 186672

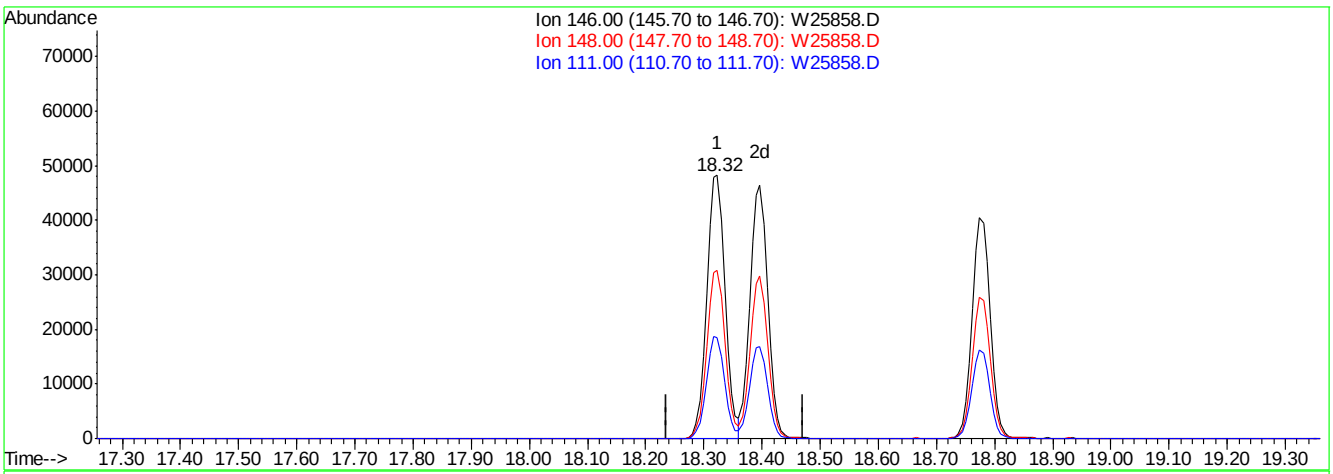
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	37.98
90.95	9.70	12.83
0.00	0.00	0.00

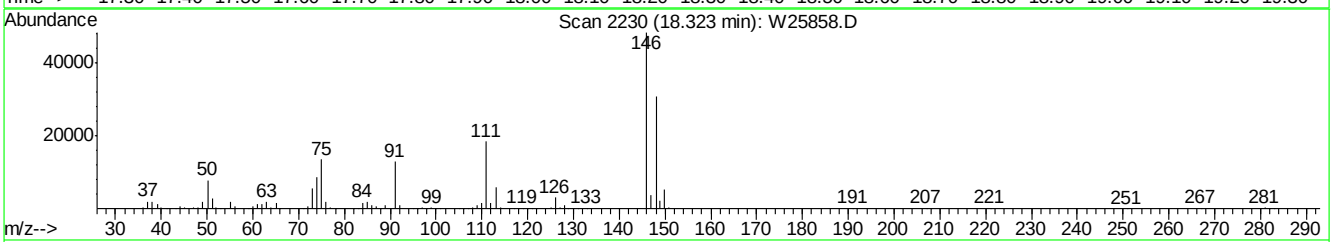
W25858.D MW1071.M Wed Apr 14 11:46:46 2010 MSW

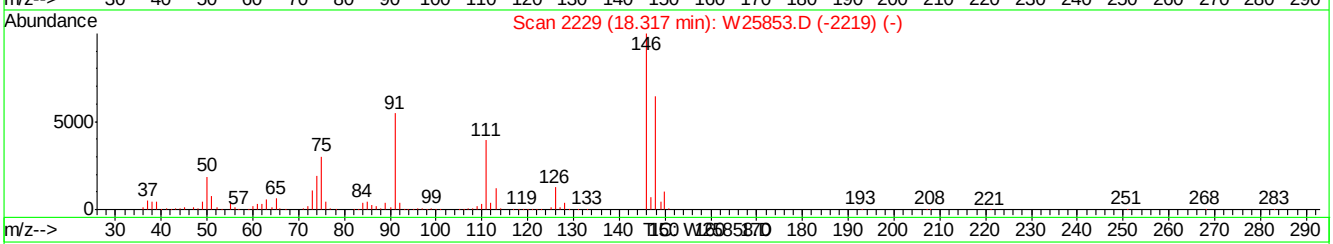
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:46 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 4.64PPBV

response 105372

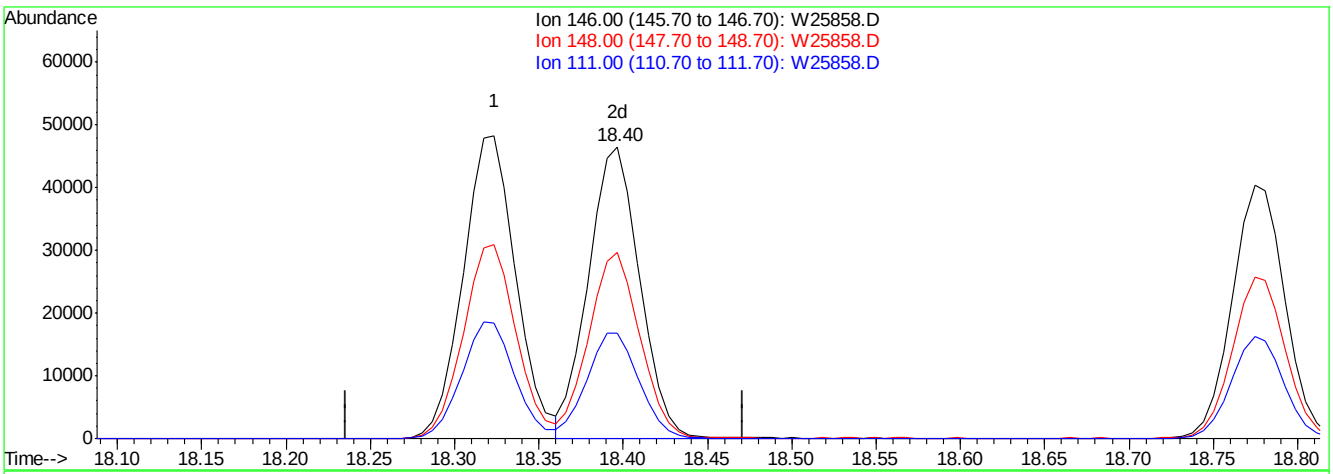
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	64.31
111.00	37.90	38.75
0.00	0.00	0.00

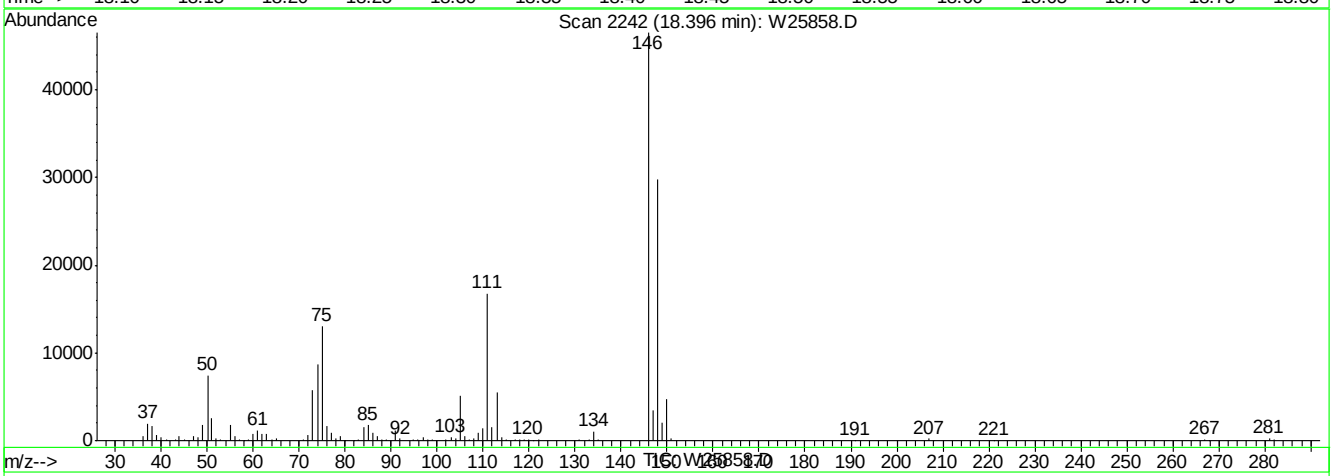
W25858.D MW1071.M Wed Apr 14 12:01:41 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\OLD_W\VW1071\W25858.D Vial: 2
Acq On : 13 Apr 2010 1:10 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:01:05 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.40min 4.35PPBV m

response 98716

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	68.64
111.00	37.90	41.36
0.00	0.00	0.00

W25858.D MW1071.M Fri Apr 16 11:09:10 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 02:47

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:00 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	73271	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.81	114	364124	10.00	PPBV		-0.02
63) CHLOROBENZENE-D5	15.14	82	166355	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.14	82	166526	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	82322	4.40	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 88.00%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	4.92	85	2759	0.10	PPBV		97
6) PROPYLENE	4.85	41	1111	0.11	PPBV		97
7) FREON 114	5.16	85	2993	0.10	PPBV		98
8) CHLOROMETHANE	5.09	52	326	0.10	PPBV		92
9) VINYL CHLORIDE	5.28	62	1094	0.09	PPBV		97
10) 1,3-BUTADIENE	5.42	54	980	0.10	PPBV	#	60
11) n-BUTANE	5.45	43	2101	0.11	PPBV	#	92
12) BROMOMETHANE	5.67	94	997	0.10	PPBV		84
13) CHLOROETHANE	5.82	64	634	0.10	PPBV		94
14) ACROLEIN	6.30	56	489	0.11	PPBV		93
15) FREON 123	6.24	83	2577	0.10	PPBV	#	77
16) FREON 123A	6.28	117	1562	0.11	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.48	101	2654	0.10	PPBV		92
18) ISOPROPYL ALCOHOL	6.92	45	2346m	0.11	PPBV		
21) TVHC as EQUIV PENTANE	6.78	TIC	7319m	0.11	PPBV		
22) IODOMETHANE	7.00	142	2742	0.10	PPBV		100
23) 1,1-DICHLOROETHYLENE	7.05	96	1208	0.12	PPBV		100
24) CARBON DISULFIDE	7.44	76	3466	0.11	PPBV	#	70
26) BROMOETHENE	6.13	106	988	0.10	PPBV	#	96
28) 3-CHLOROPROPENE	7.26	76	550	0.10	PPBV	#	69
29) FREON 113	7.35	151	1790	0.10	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	7.97	96	1353	0.12	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.47	59	2543m	0.09	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.25	73	2921	0.09	PPBV		93
33) TETRAHYDROFURAN	9.79	72	454	0.08	PPBV	#	68
34) HEXANE	9.05	57	1981	0.10	PPBV	#	74
35) VINYL ACETATE	8.28	86	234	0.07	PPBV	#	1
36) 1,1-DICHLOROETHANE	8.15	63	2110	0.10	PPBV		99
37) METHYL ETHYL KETONE	8.59	72	402	0.07	PPBV	#	57
38) cis-1,2-DICHLOROETHYLENE	8.89	96	1465	0.13	PPBV		87
39) DI-ISOPROPYL ETHER	9.09	45	3652	0.09	PPBV		98
40) ETHYL ACETATE	9.15	61	287	0.08	PPBV	#	43
41) CHLOROFORM	9.15	83	2266	0.10	PPBV		94
42) 2,4-DIMETHYLPENTANE	9.86	57	2275	0.09	PPBV		94
43) 1,1,1-TRICHLOROETHANE	10.08	97	2285	0.10	PPBV		95
44) CARBON TETRACHLORIDE	10.65	117	2273	0.10	PPBV		96
45) 1,2-DICHLOROETHANE	9.86	62	1451	0.10	PPBV		96
47) BENZENE	10.52	78	3656	0.10	PPBV		97
48) CYCLOHEXANE	10.77	84	1958	0.12	PPBV	#	4
49) 2,3-DIMETHYLPENTANE	10.96	71	841	0.09	PPBV	#	80

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:00 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

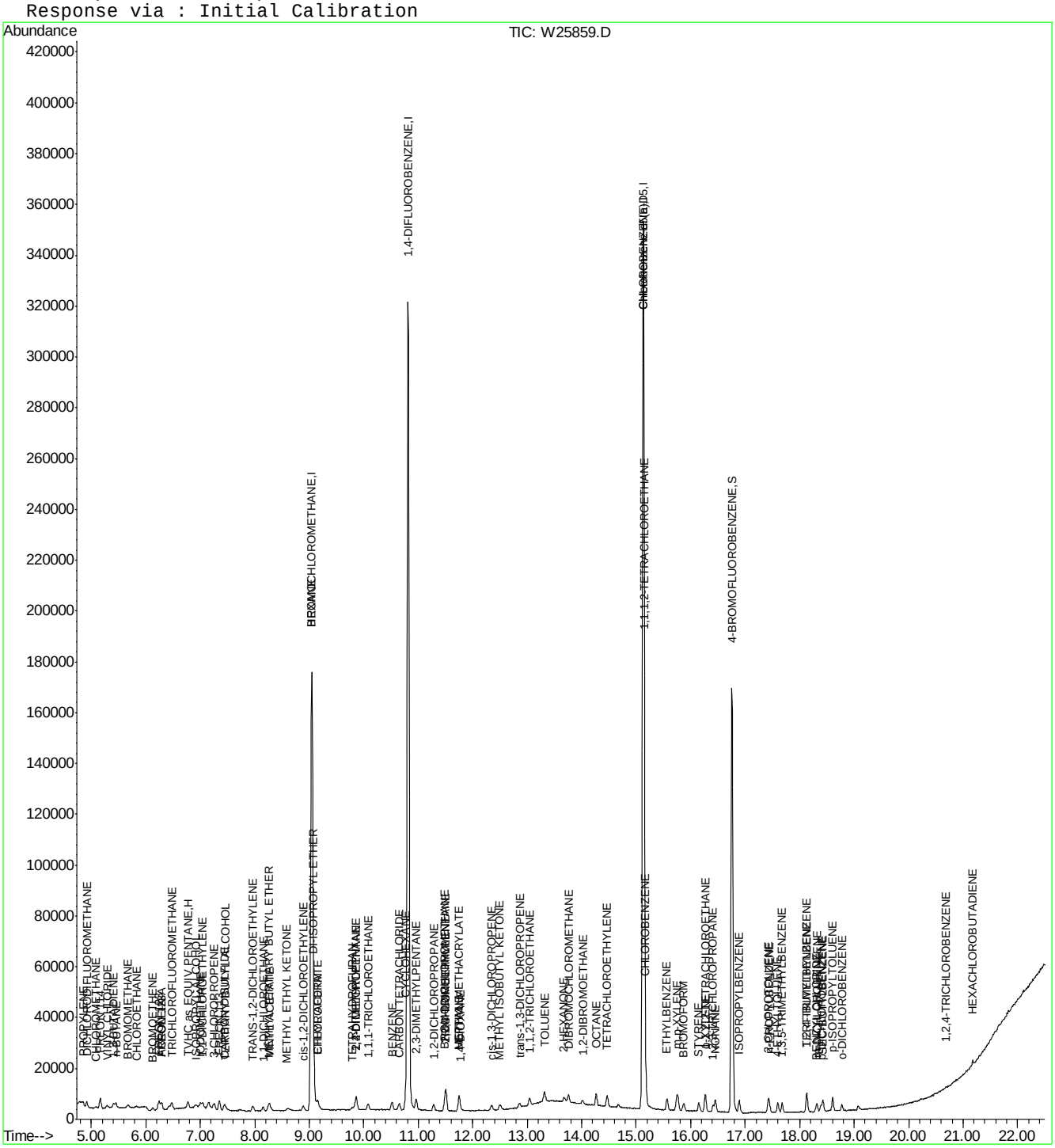
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	TRICHLOROETHYLENE	11.50	95	1527	0.11	PPBV		99
51)	1,2-DICHLOROPROPANE	11.28	63	1287	0.10	PPBV		97
52)	BROMODICHLOROMETHANE	11.48	83	2411	0.10	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	5970	0.09	PPBV		98
54)	1,4-DIOXANE	11.79	88	818	0.11	PPBV	#	57
55)	METHYL METHACRYLATE	11.76	69	1096	0.09	PPBV	#	1
56)	HEPTANE	11.75	43	2927	0.12	PPBV	#	75
58)	METHYL ISOBUTYL KETONE	12.50	43	2531	0.09	PPBV		85
59)	cis-1,3-DICHLOROPROPENE	12.35	75	2005	0.10	PPBV	#	80
60)	TOLUENE	13.31	92	2560	0.10	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	1636	0.10	PPBV	#	77
62)	1,1,2-TRICHLOROETHANE	13.04	83	1098	0.10	PPBV		98
64)	2-HEXANONE	13.68	43	2419	0.11	PPBV		85
65)	TETRACHLOROETHYLENE	14.47	164	1610	0.12	PPBV		93
66)	DIBROMOCHLOROMETHANE	13.76	129	2200	0.11	PPBV		99
67)	1,2-DIBROMOETHANE	14.01	107	1832	0.11	PPBV	#	98
68)	OCTANE	14.27	43	2748	0.10	PPBV		89
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	1655	0.11	PPBV	#	95
70)	CHLOROBENZENE	15.18	112	3277	0.12	PPBV		91
71)	ETHYLBENZENE	15.57	91	4837	0.11	PPBV		99
72)	m,p-XYLENE	15.76	106	3661	0.21	PPBV		90
73)	o-XYLENE	16.27	106	1718	0.10	PPBV		97
74)	STYRENE	16.15	104	2432	0.09	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.42	75	1962	0.11	PPBV		90
76)	NONANE	16.45	43	2282	0.09	PPBV		92
77)	BROMOFORM	15.87	173	2120	0.12	PPBV		97
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	1993	0.10	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	4689	0.10	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	1066	0.10	PPBV	#	90
82)	n-PROPYLBENZENE	17.45	120	1064	0.08	PPBV		78
83)	4-ETHYLTOLUENE	17.60	105	3436	0.08	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	3029m	0.07	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	730	0.08	PPBV		82
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	2624	0.08	PPBV		89
87)	m-DICHLOROBENZENE	18.32	146	1731	0.09	PPBV		96
88)	BENZYL CHLORIDE	18.30	91	1745	0.07	PPBV		90
89)	p-DICHLOROBENZENE	18.39	146	1622m	0.08	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	758	0.07	PPBV	#	85
91)	p-ISOPROPYLTOLUENE	18.60	134	654	0.06	PPBV	#	74
92)	o-DICHLOROBENZENE	18.77	146	1549	0.09	PPBV		83
94)	HEXACHLOROBUTADIENE	21.18	225	461	0.09	PPBV		95
95)	1,2,4-TRICHLOROBENZENE	20.68	180	390	0.10	PPBV	#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

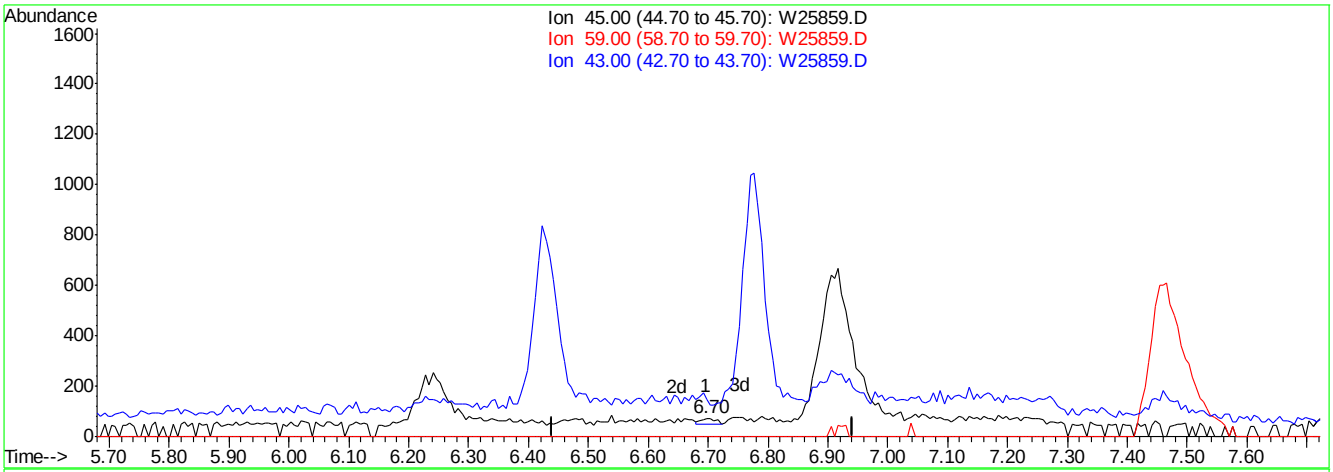


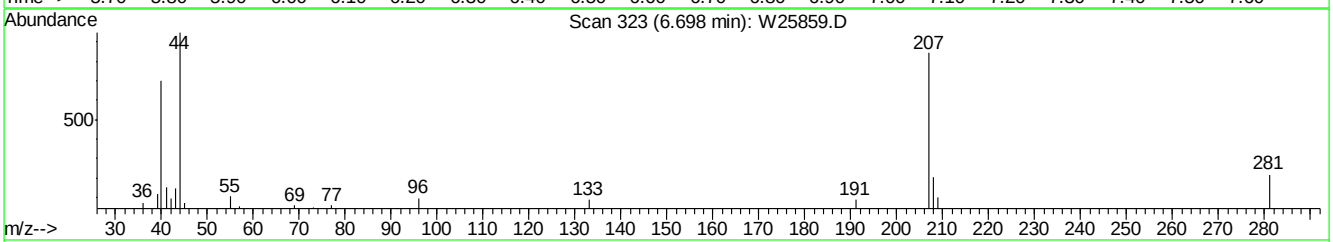
ACCUTEST Laboratories JA45152

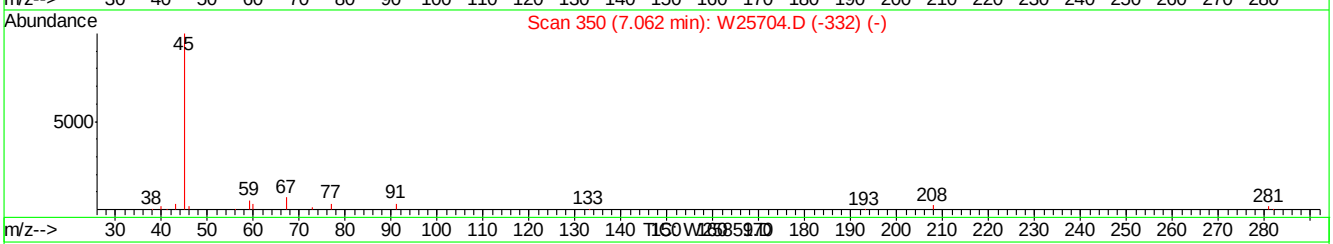
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Single Level Calibration







(18) ISOPROPYL ALCOHOL

6.70min 0.00PPBV

response 40

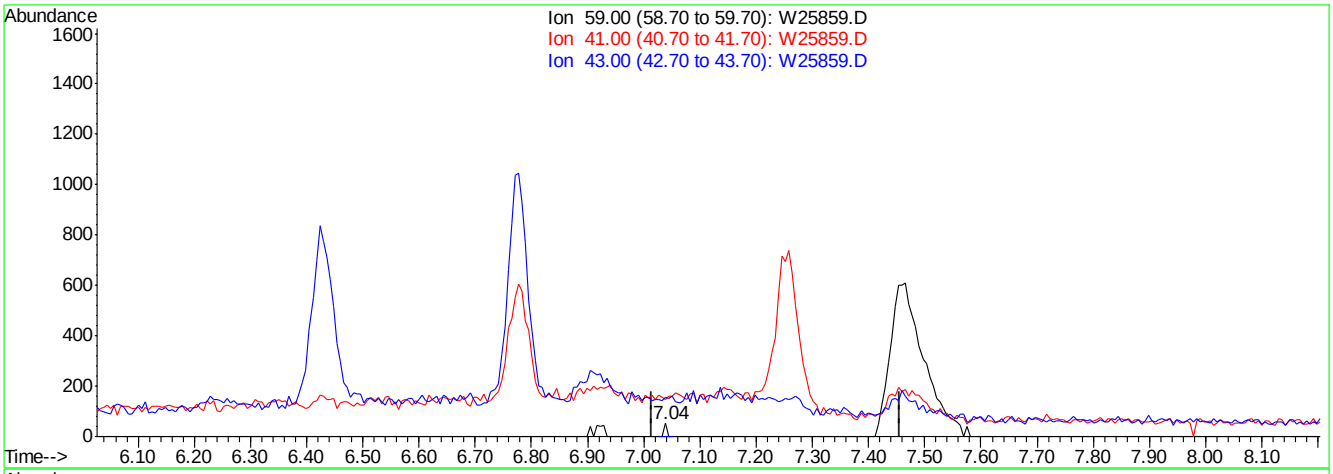
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	53.90	204.11#
0.00	0.00	0.00

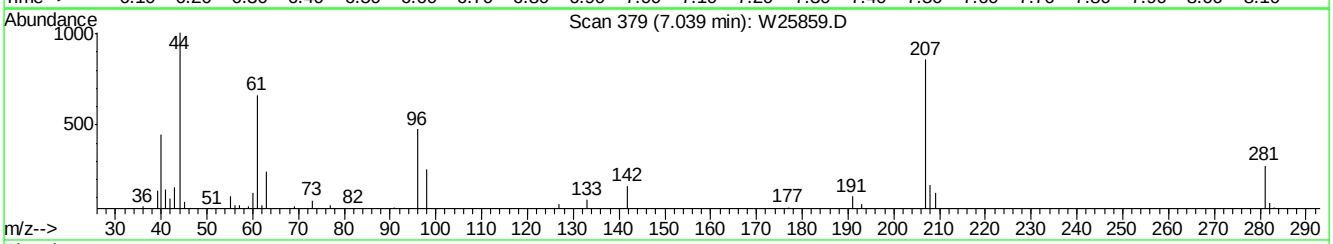
W25859.D MW1071.M Tue Apr 13 10:21:42 2010 MSW

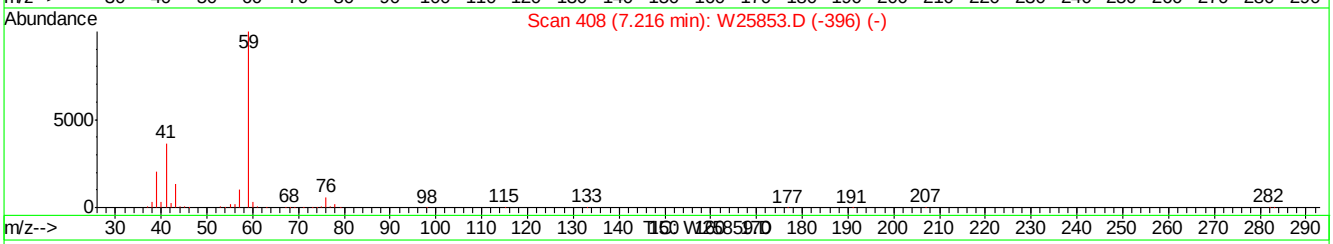
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.04min 0.00PPBV

response 19

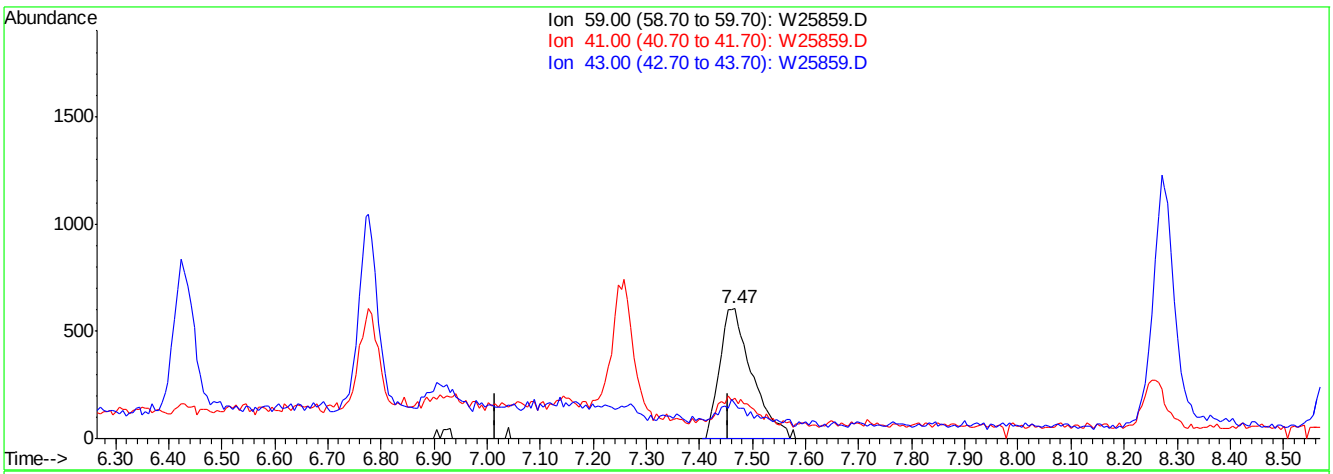
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	163.16#
0.00	0.00	0.00

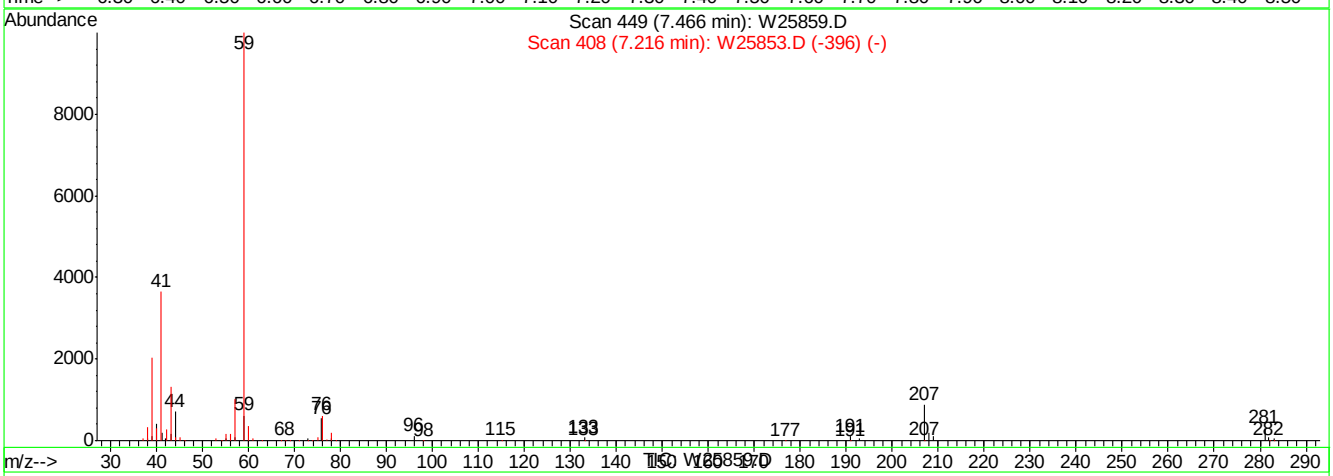
W25859.D MW1071.M Tue Apr 13 10:22:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration





(31) TERTIARY BUTYL ALCOHOL

7.47min 0.09PPBV m

response 2543

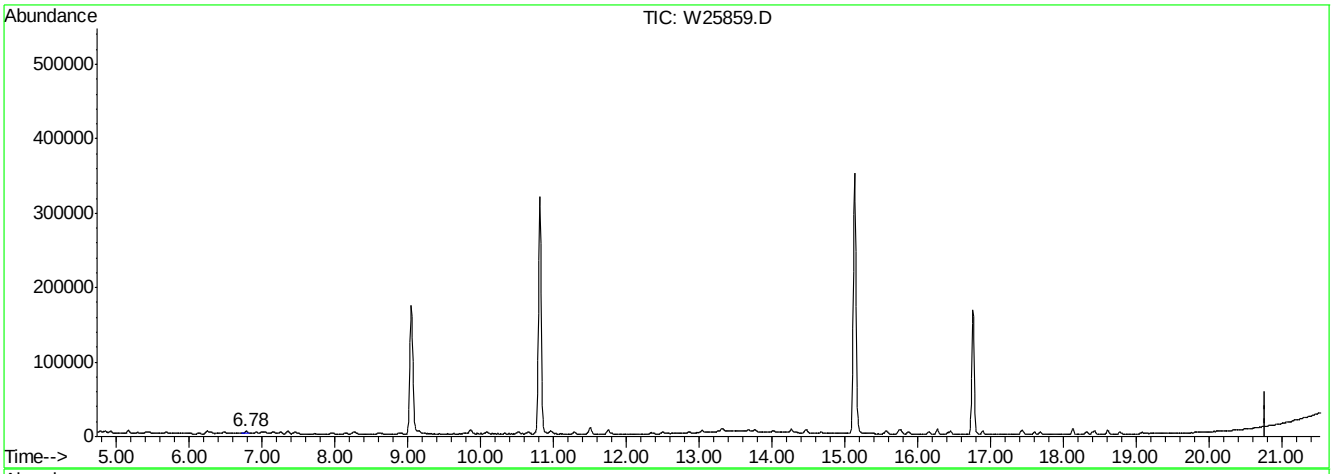
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	1.22
0.00	0.00	0.00

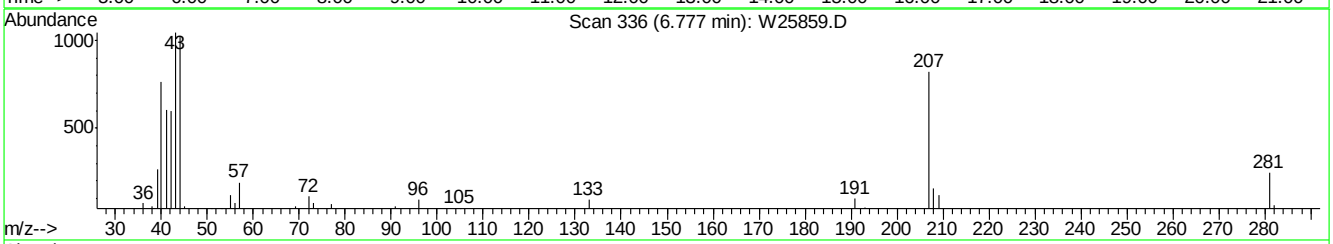
W25859.D MW1071.M Tue Apr 13 10:22:59 2010 MSW

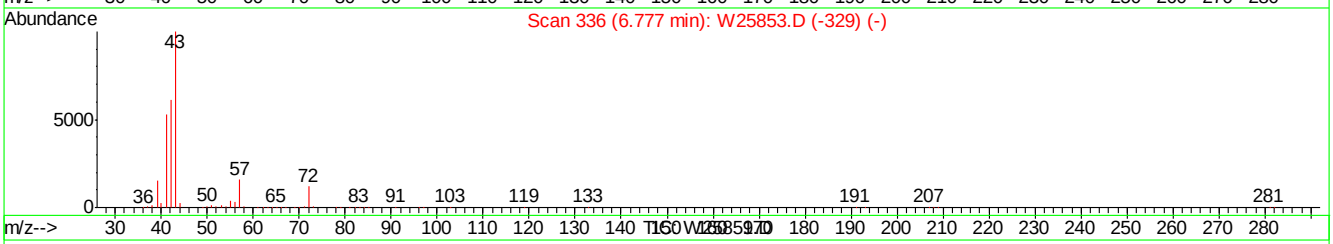
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.78min 0.11PPBV m

response 7319

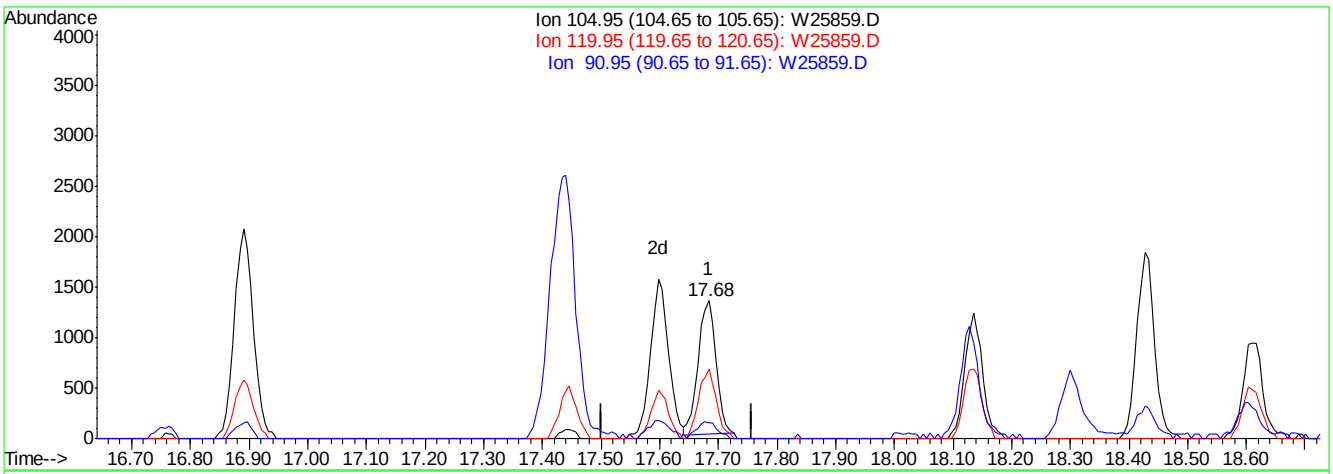
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

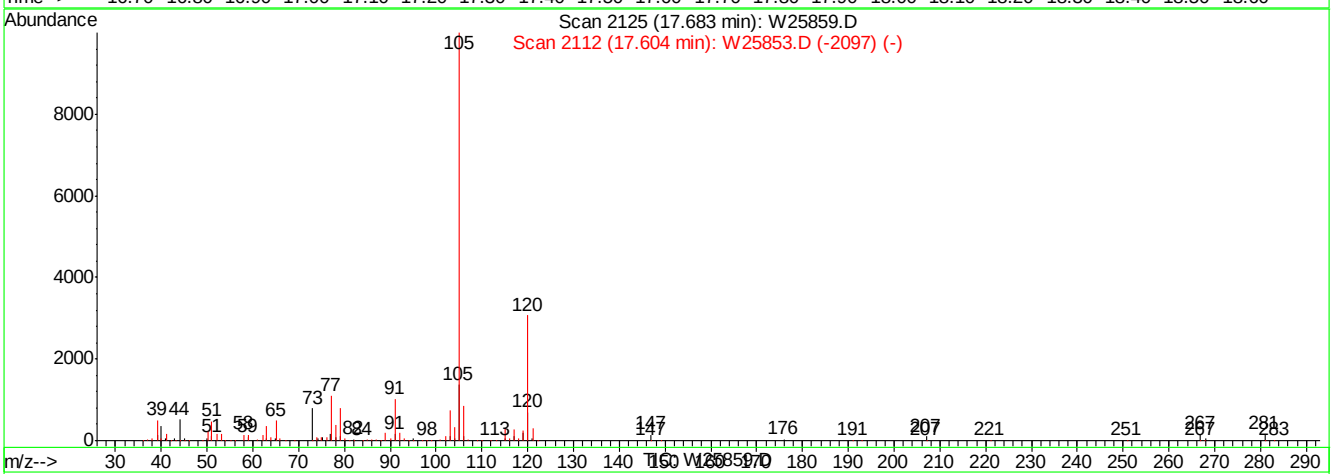
W25859.D MW1071.M Wed Apr 14 11:34:34 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:30 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.06PPBV

response 2799

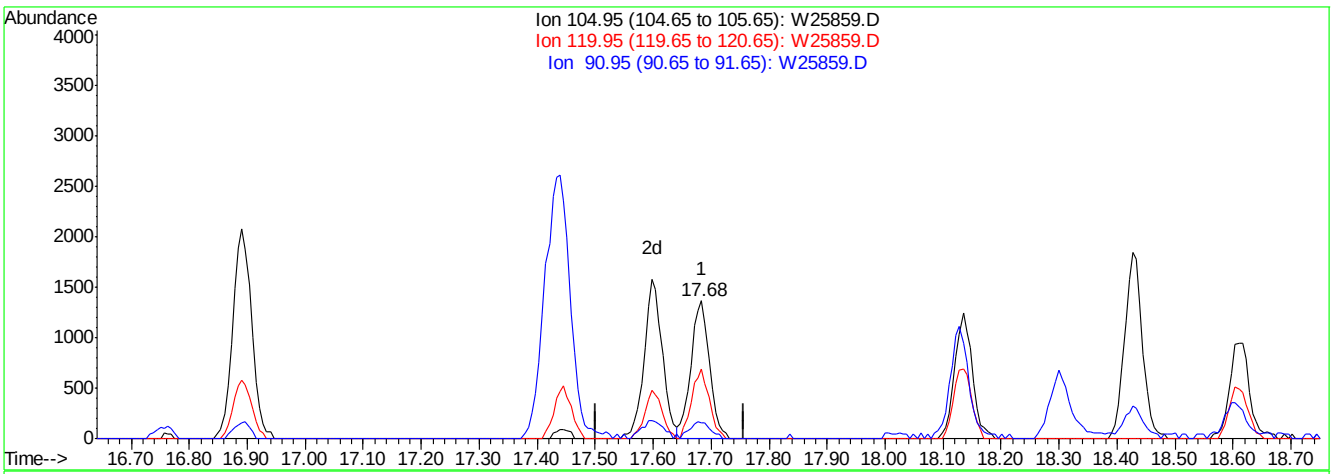
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	51.55
90.95	9.70	15.08
0.00	0.00	0.00

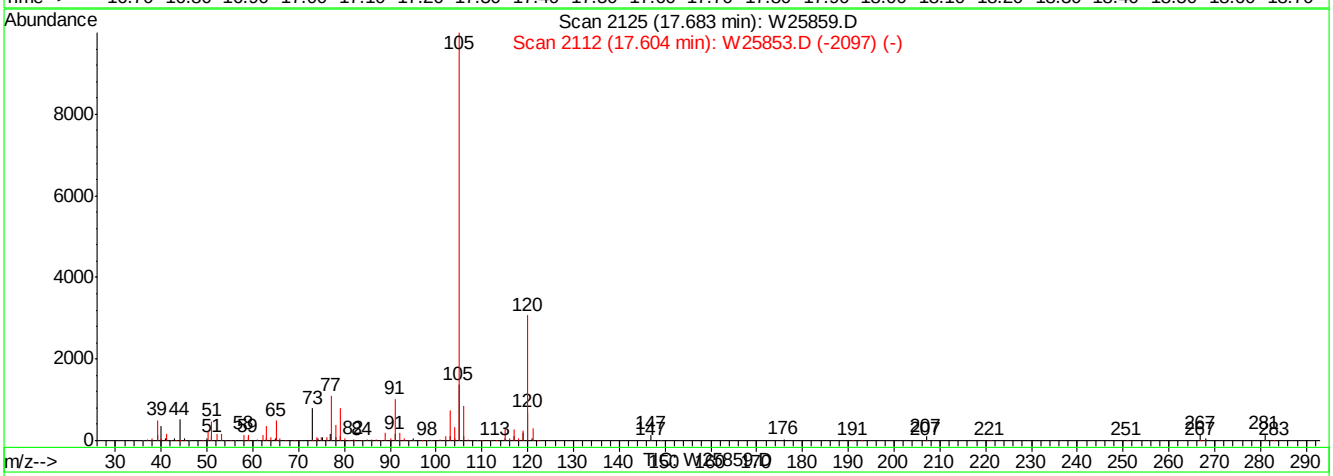
W25859.D MW1071.M Wed Apr 14 11:47:01 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.07PPBV m

response 3029

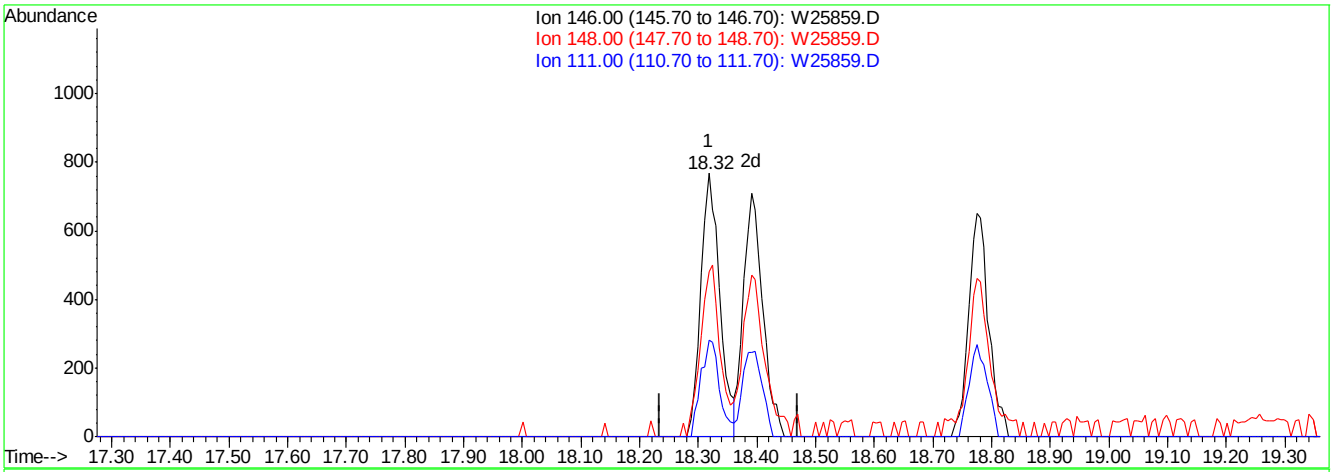
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	47.64
90.95	9.70	13.93
0.00	0.00	0.00

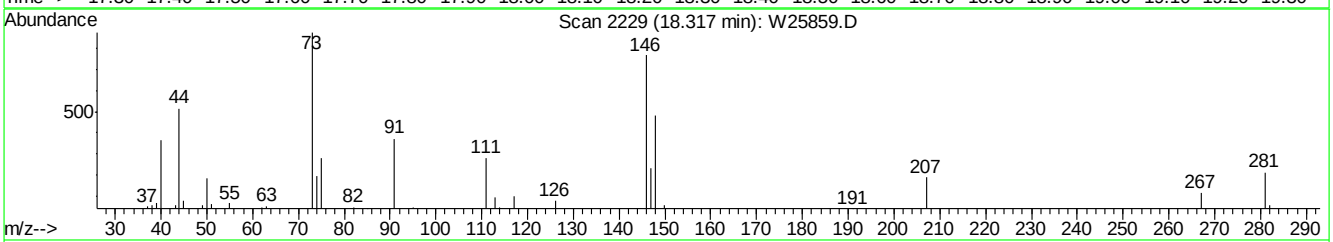
W25859.D MW1071.M Wed Apr 14 11:47:19 2010 MSW

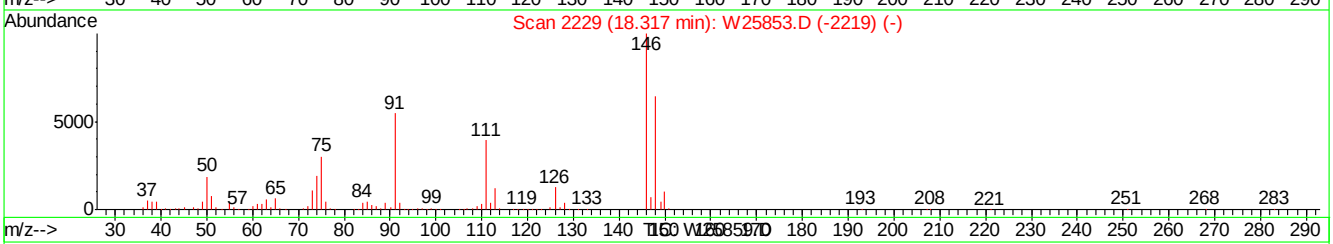
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.09PPBV

response 1731

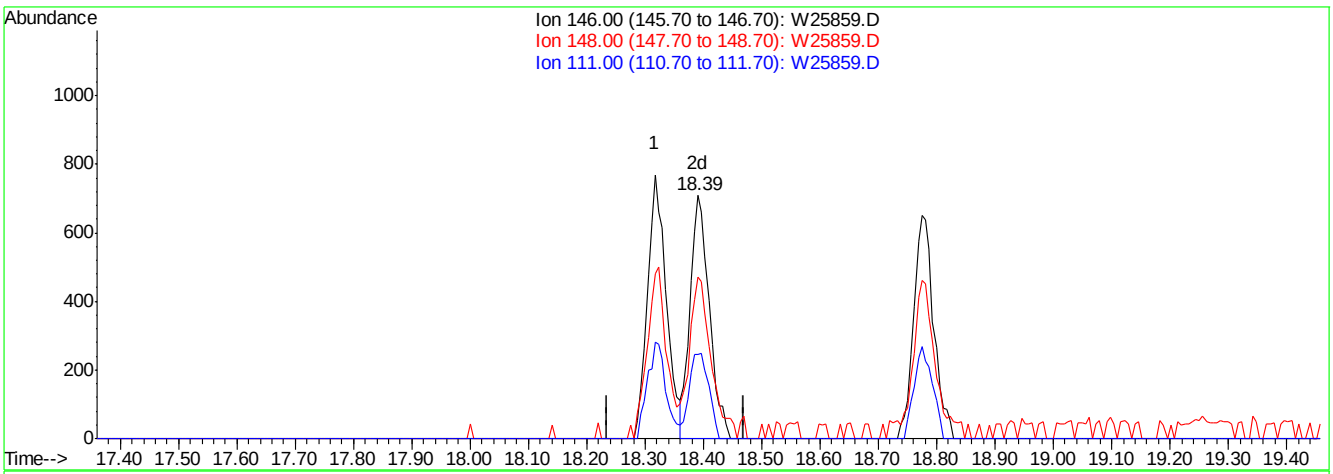
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.90
111.00	37.90	36.63
0.00	0.00	0.00

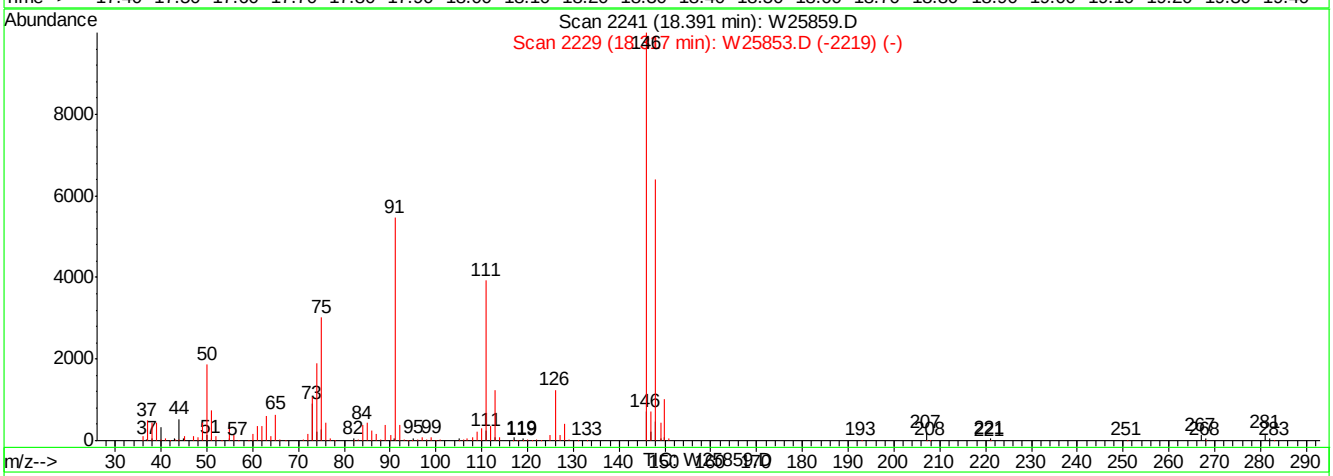
W25859.D MW1071.M Wed Apr 14 12:01:54 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.08PPBV m

response 1622

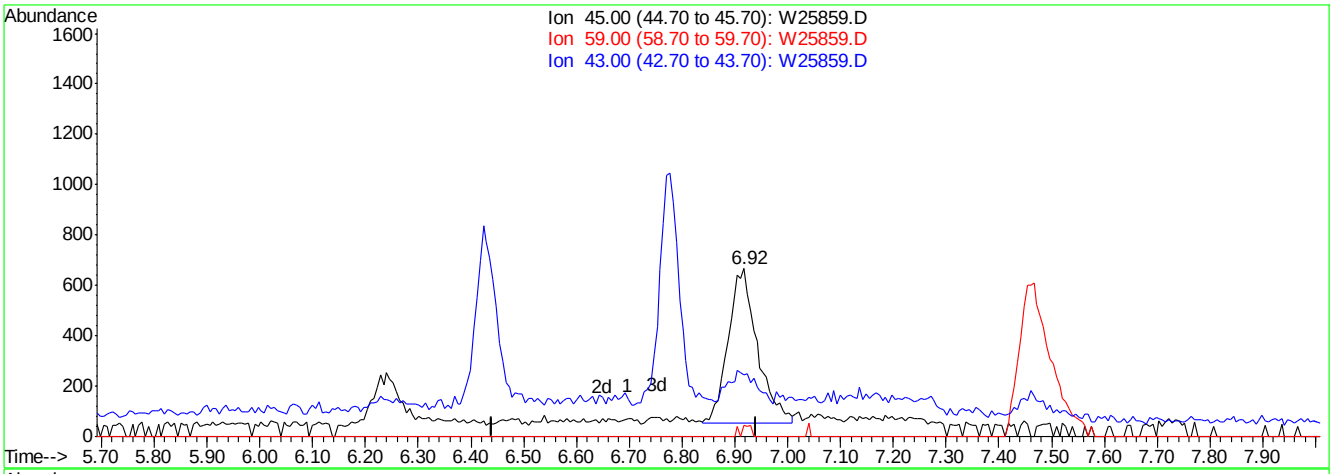
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	71.39
111.00	37.90	39.09
0.00	0.00	0.00

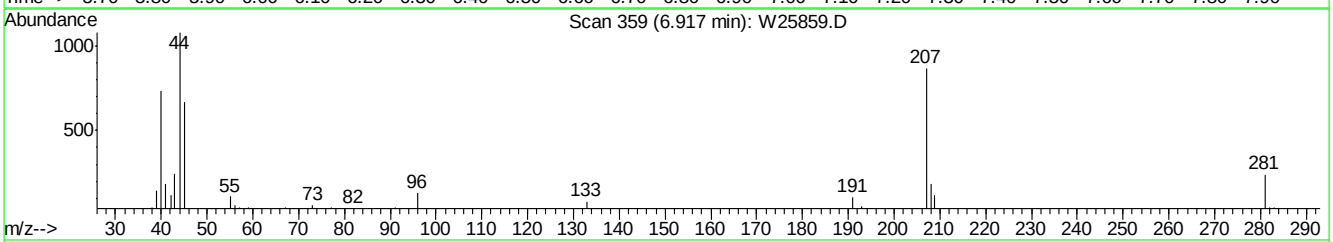
W25859.D MW1071.M Wed Apr 14 12:01:59 2010 MSW

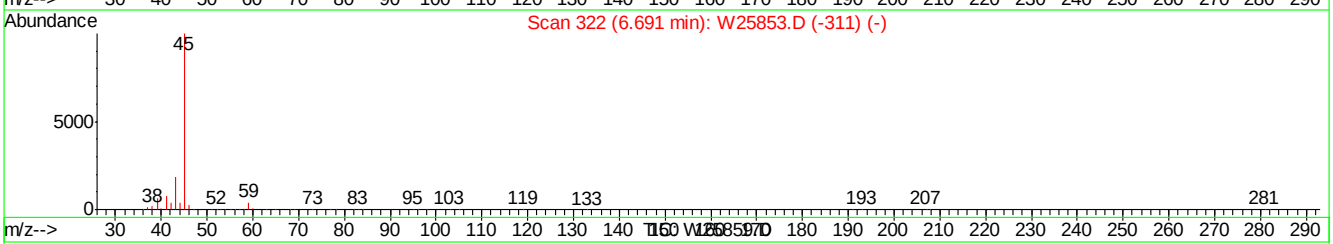
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25859.D Vial: 4
Acq On : 13 Apr 2010 1:51 am Operator: YOUMINH
Sample : IC1071-0.1 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:01 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Single Level Calibration







(18) ISOPROPYL ALCOHOL

6.92min 0.11PPBV m

response 2346

Ion	Exp%	Act%
45.00	100	100
59.00	4.70	6.61
43.00	53.90	36.49
0.00	0.00	0.00

W25859.D MW1071.M Wed Apr 14 14:14:47 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:02 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	72808	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	360129	10.00	PPBV		-0.02
63) CHLOROBENZENE-D5	15.13	82	163966	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.13	82	164084	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	78962	4.28	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 85.60%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	4.92	85	1282	0.05	PPBV		94
7) FREON 114	5.16	85	1337	0.04	PPBV		99
8) CHLOROMETHANE	5.09	52	129	0.04	PPBV	#	23
9) VINYL CHLORIDE	5.29	62	522	0.04	PPBV	#	82
10) 1,3-BUTADIENE	5.42	54	460	0.05	PPBV	#	1
11) n-BUTANE	5.45	43	1039	0.05	PPBV	#	91
12) BROMOMETHANE	5.69	94	414	0.04	PPBV	#	64
13) CHLOROETHANE	5.83	64	280	0.04	PPBV	#	66
15) FREON 123	6.25	83	1144	0.05	PPBV	#	76
16) FREON 123A	6.29	117	635	0.04	PPBV	#	76
17) TRICHLOROFLUOROMETHANE	6.48	101	1197	0.04	PPBV		88
21) TVHC as EQUIV PENTANE	6.77	TIC	2901m	0.04	PPBV		
22) IODOMETHANE	7.01	142	1121	0.04	PPBV		97
23) 1,1-DICHLOROETHYLENE	7.04	96	609	0.06	PPBV		88
24) CARBON DISULFIDE	7.45	76	1537	0.05	PPBV		85
26) BROMOETHENE	6.13	106	413	0.04	PPBV	#	93
28) 3-CHLOROPROPENE	7.26	76	179	0.03	PPBV	#	17
29) FREON 113	7.36	151	806	0.05	PPBV		93
30) TRANS-1,2-DICHLOROETHYLENE	7.98	96	620	0.05	PPBV		87
31) TERTIARY BUTYL ALCOHOL	7.54	59	1055m	0.04	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.28	73	1339	0.04	PPBV	#	61
34) HEXANE	9.06	57	921	0.05	PPBV	#	62
36) 1,1-DICHLOROETHANE	8.15	63	942	0.04	PPBV		93
38) cis-1,2-DICHLOROETHYLENE	8.89	96	585	0.05	PPBV		93
39) DI-ISOPROPYL ETHER	9.10	45	1716	0.04	PPBV	#	93
41) CHLOROFORM	9.15	83	977	0.04	PPBV	#	89
42) 2,4-DIMETHYLPENTANE	9.87	57	1035	0.04	PPBV	#	89
43) 1,1,1-TRICHLOROETHANE	10.08	97	988	0.04	PPBV		95
44) CARBON TETRACHLORIDE	10.65	117	1027	0.04	PPBV		91
45) 1,2-DICHLOROETHANE	9.86	62	560	0.04	PPBV	#	89
47) BENZENE	10.52	78	1624	0.05	PPBV		97
48) CYCLOHEXANE	10.78	84	1006	0.06	PPBV	#	4
49) 2,3-DIMETHYLPENTANE	10.96	71	380	0.04	PPBV	#	71
50) TRICHLOROETHYLENE	11.50	95	646	0.04	PPBV		98
51) 1,2-DICHLOROPROPANE	11.29	63	575	0.05	PPBV		88
52) BROMODICHLOROMETHANE	11.49	83	1012	0.04	PPBV		99
53) 2,2,4-TRIMETHYLPENTANE	11.52	57	2616	0.04	PPBV		96
55) METHYL METHACRYLATE	11.77	69	426	0.03	PPBV	#	1
56) HEPTANE	11.75	43	1363	0.06	PPBV	#	66
59) cis-1,3-DICHLOROPROPENE	12.35	75	832	0.04	PPBV	#	70

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:02 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

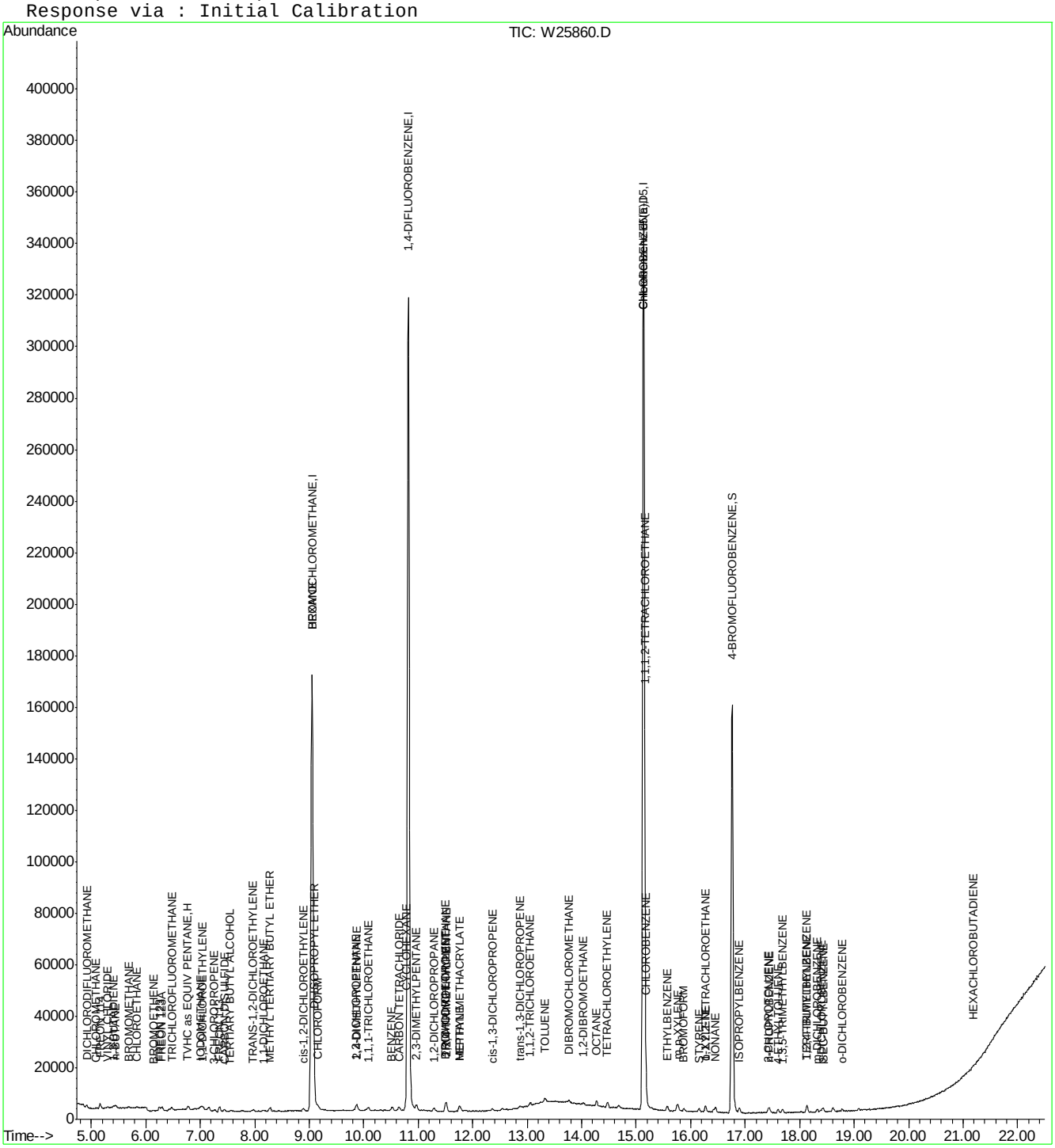
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
60)	TOLUENE	13.32	92	1063	0.04	PPBV		91
61)	trans-1,3-DICHLOROPROPENE	12.86	75	710	0.04	PPBV	#	60
62)	1,1,2-TRICHLOROETHANE	13.06	83	439	0.04	PPBV		97
65)	TETRACHLOROETHYLENE	14.47	164	658	0.05	PPBV		95
66)	DIBROMOCHLOROMETHANE	13.77	129	930	0.05	PPBV		94
67)	1,2-DIBROMOETHANE	14.02	107	718	0.04	PPBV	#	99
68)	OCTANE	14.27	43	1214	0.04	PPBV	#	85
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	700	0.05	PPBV	#	92
70)	CHLOROBENZENE	15.18	112	1351	0.05	PPBV	#	40
71)	ETHYLBENZENE	15.57	91	1968	0.04	PPBV		96
72)	m,p-XYLENE	15.76	106	1429	0.08	PPBV		94
73)	o-XYLENE	16.27	106	675	0.04	PPBV		95
74)	STYRENE	16.16	104	920	0.04	PPBV		97
76)	NONANE	16.46	43	952	0.04	PPBV	#	82
77)	BROMOFORM	15.88	173	851	0.05	PPBV		96
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	784	0.04	PPBV		94
80)	ISOPROPYLBENZENE	16.89	105	1857	0.04	PPBV		99
81)	2-CHLOROTOLUENE	17.43	126	426	0.04	PPBV	#	84
82)	n-PROPYLBENZENE	17.45	120	376	0.03	PPBV	#	57
83)	4-ETHYLTOLUENE	17.60	105	1321	0.03	PPBV		97
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	1159	0.03	PPBV		93
85)	TERT-BUTYLBENZENE	18.13	134	284	0.03	PPBV		81
86)	1,2,4-TRIMETHYLBENZENE	18.14	105	1000	0.03	PPBV	#	81
87)	m-DICHLOROBENZENE	18.32	146	623	0.03	PPBV		80
89)	p-DICHLOROBENZENE	18.40	146	595m	0.03	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	271	0.03	PPBV	#	79
92)	o-DICHLOROBENZENE	18.78	146	577	0.03	PPBV	#	68
94)	HEXACHLOROBUTADIENE	21.18	225	130	0.03	PPBV	#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

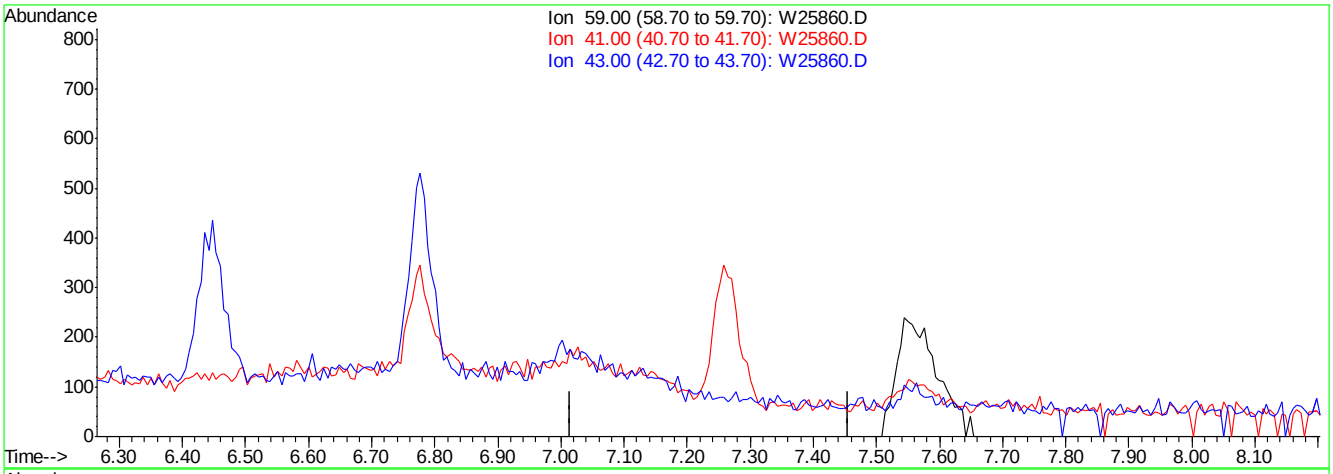


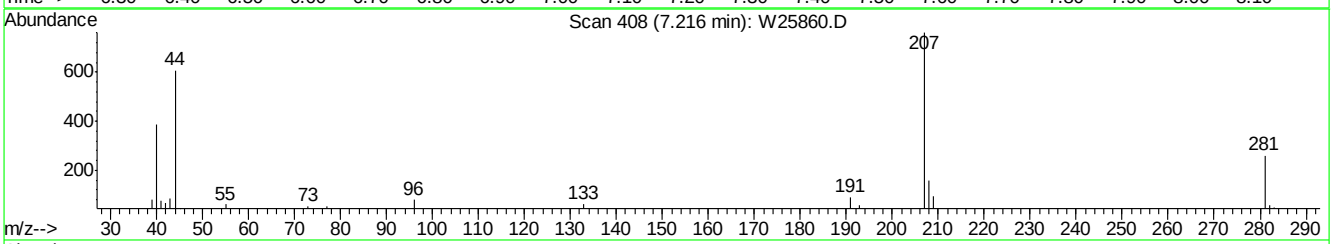
ACCUTEST Laboratories JA45152

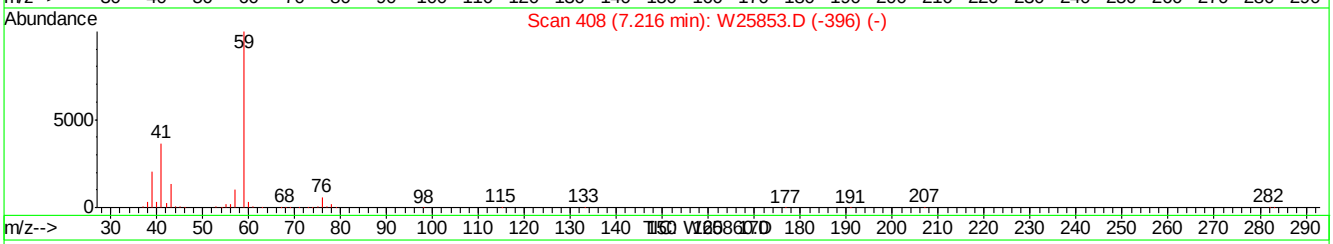
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:27 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:20:14 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.22min 0.00PPBV

response 0

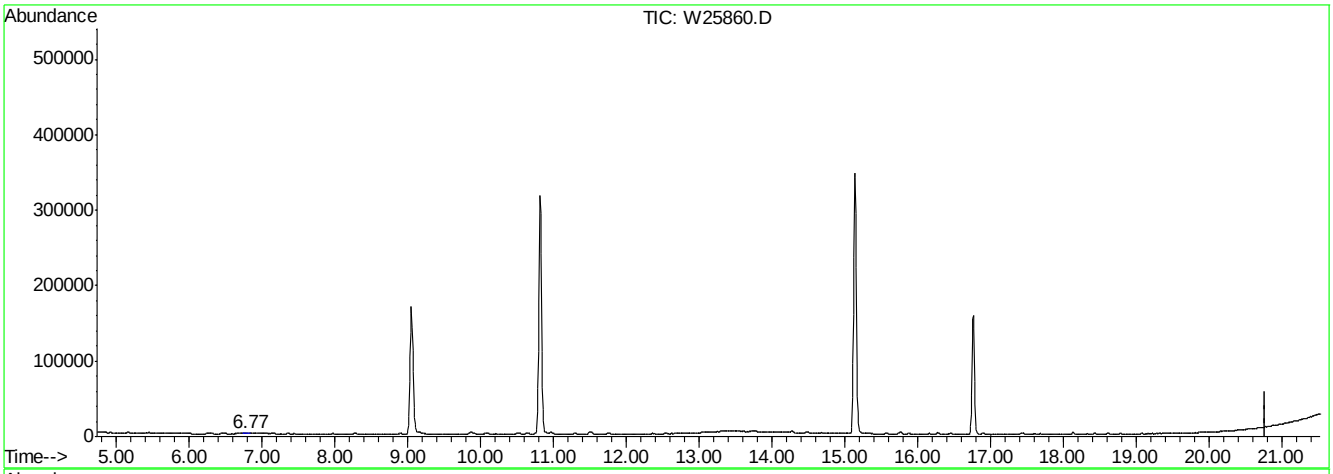
Ion	Exp%	Act%
59.00	100	0.00
41.00	0.00	0.00
43.00	11.40	0.00
0.00	0.00	0.00

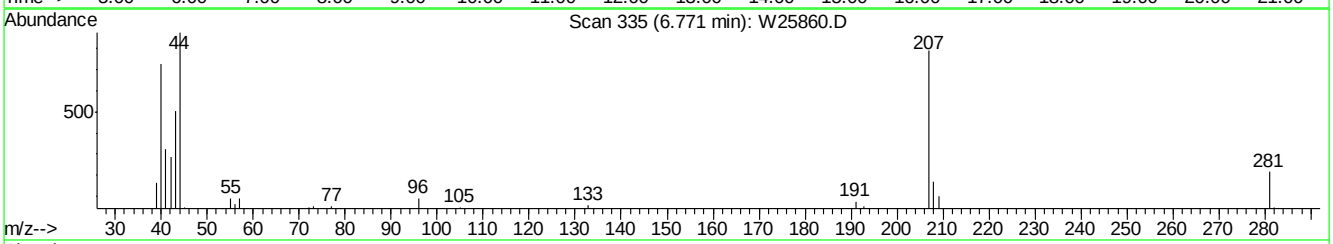
W25860.D MW1071.M Tue Apr 13 10:27:34 2010 MSW

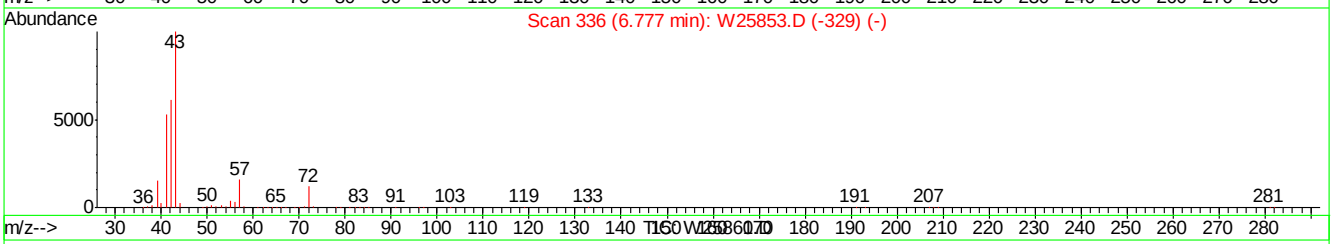
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.77min 0.04PPBV m

response 2901

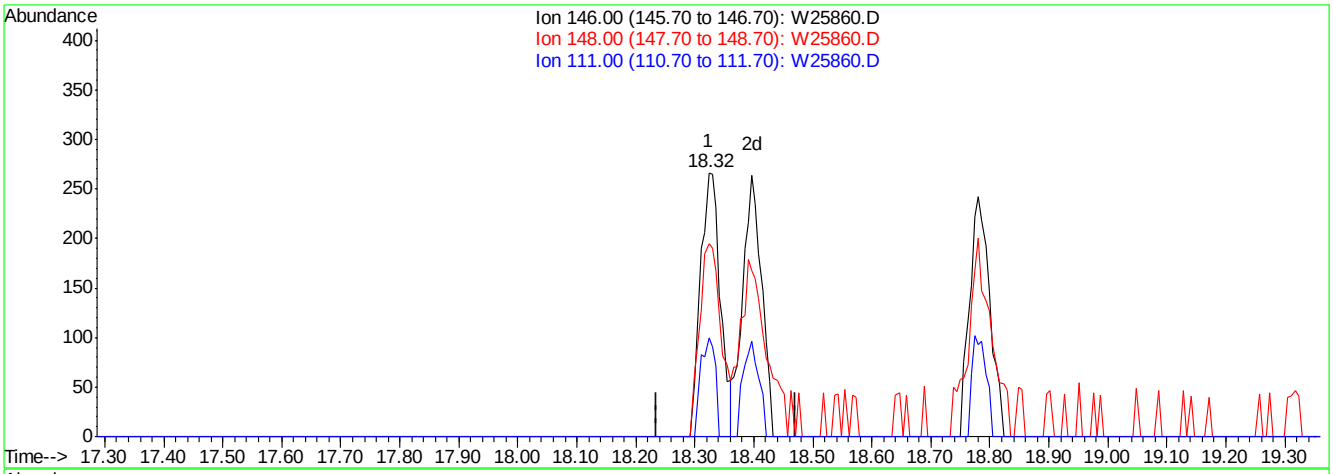
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

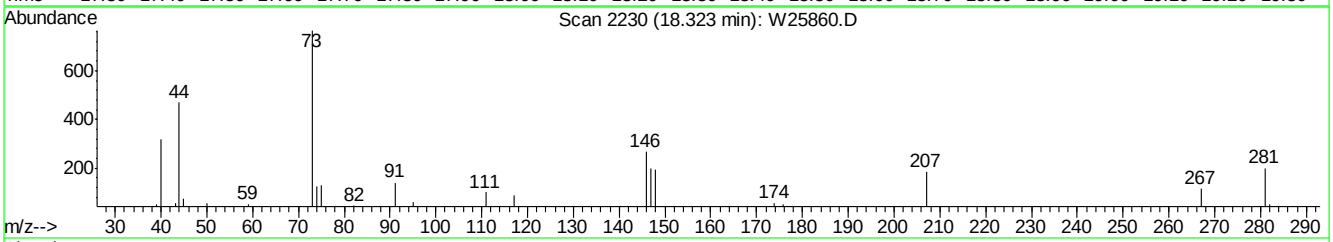
W25860.D MW1071.M Wed Apr 14 11:34:41 2010 MSW

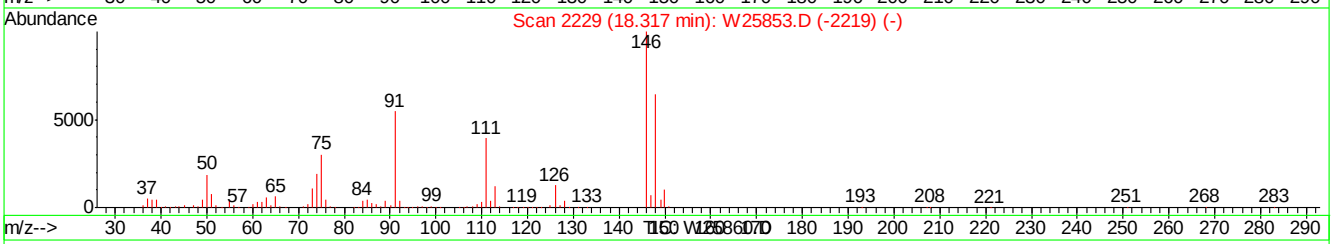
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.03PPBV

response 623

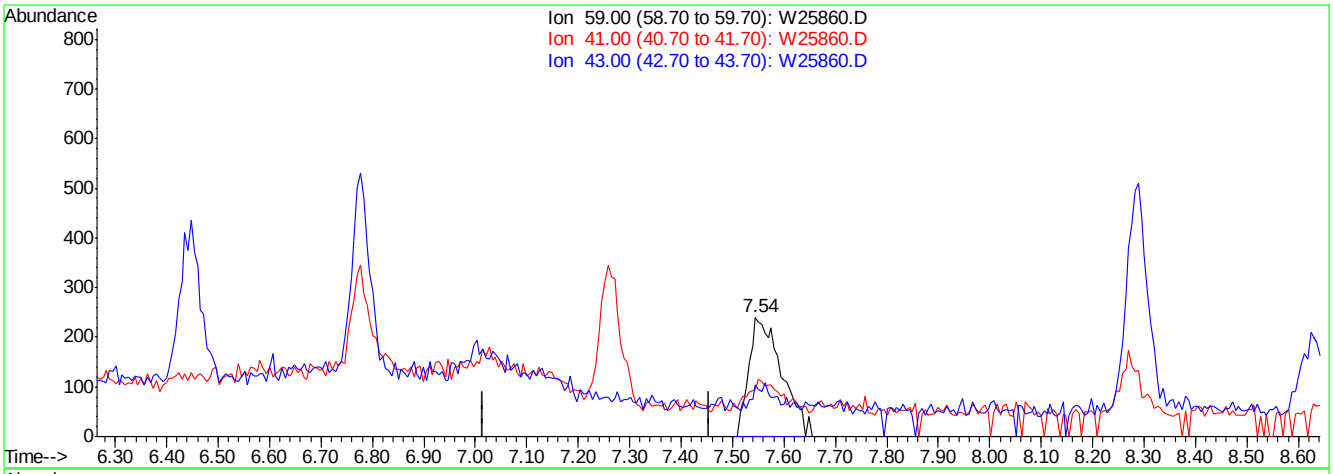
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	79.61
111.00	37.90	27.29
0.00	0.00	0.00

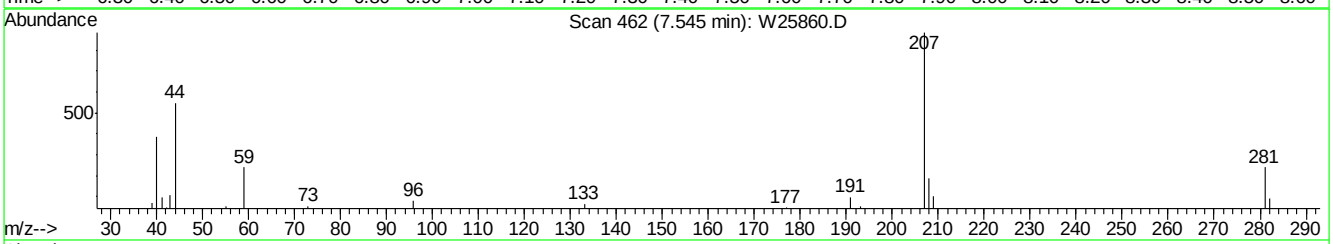
W25860.D MW1071.M Wed Apr 14 12:02:07 2010 MSW

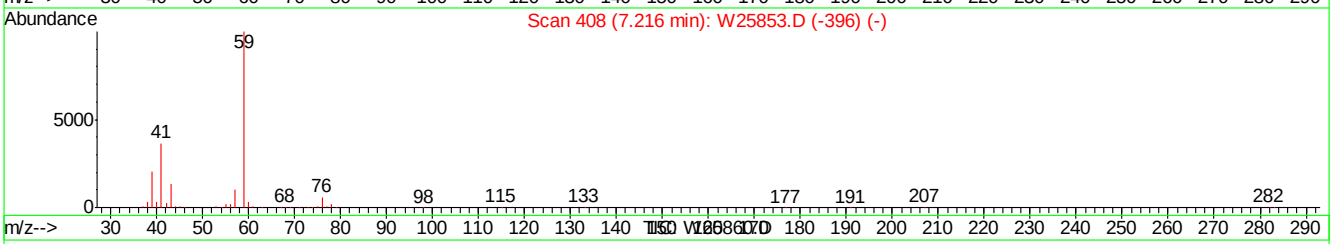
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.54min 0.04PPBV m

response 1055

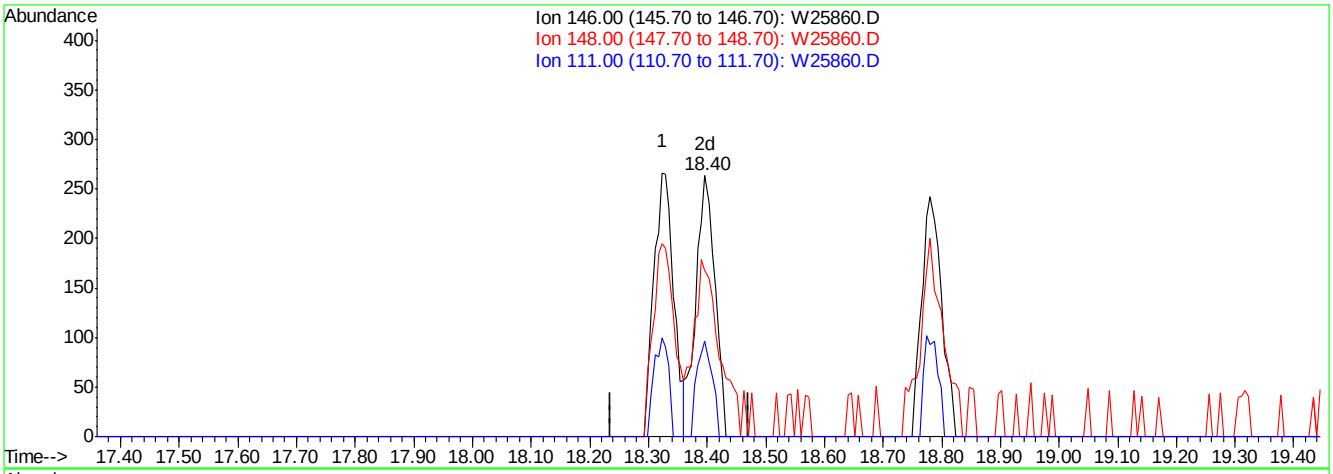
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	11.40	0.00
0.00	0.00	0.00

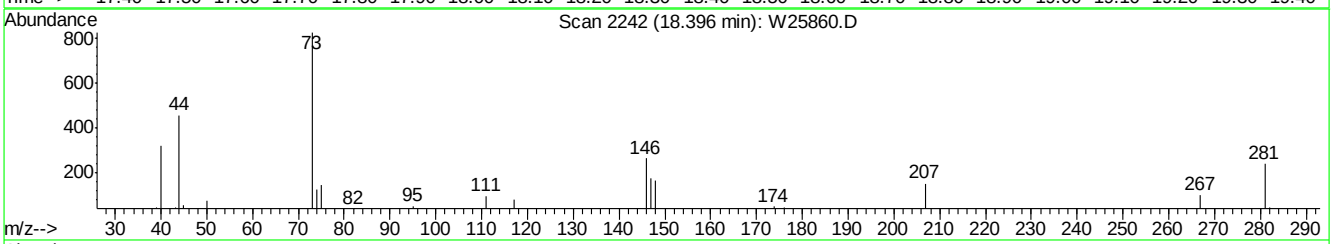
W25860.D MW1071.M Wed Apr 14 14:15:05 2010 MSW

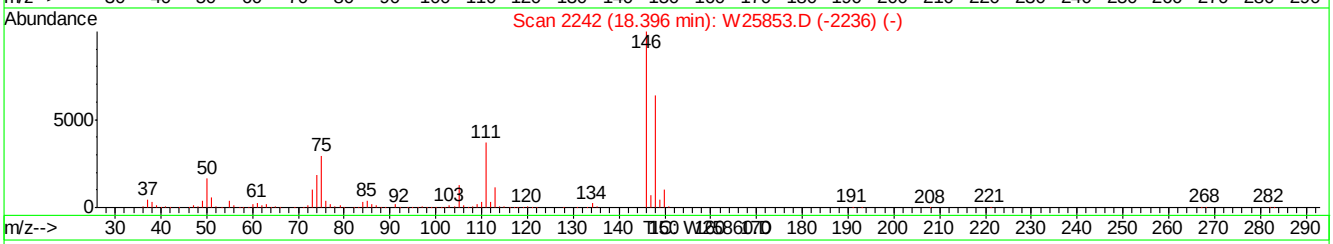
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25860.D Vial: 4
Acq On : 13 Apr 2010 2:33 am Operator: YOUMINH
Sample : IC1071-0.04 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 0.03PPBV m

response 595

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	83.36
111.00	37.90	28.57
0.00	0.00	0.00

W25860.D MW1071.M Wed Apr 14 14:15:25 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25861.D Vial: 6
Acq On : 13 Apr 2010 3:55 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:20 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

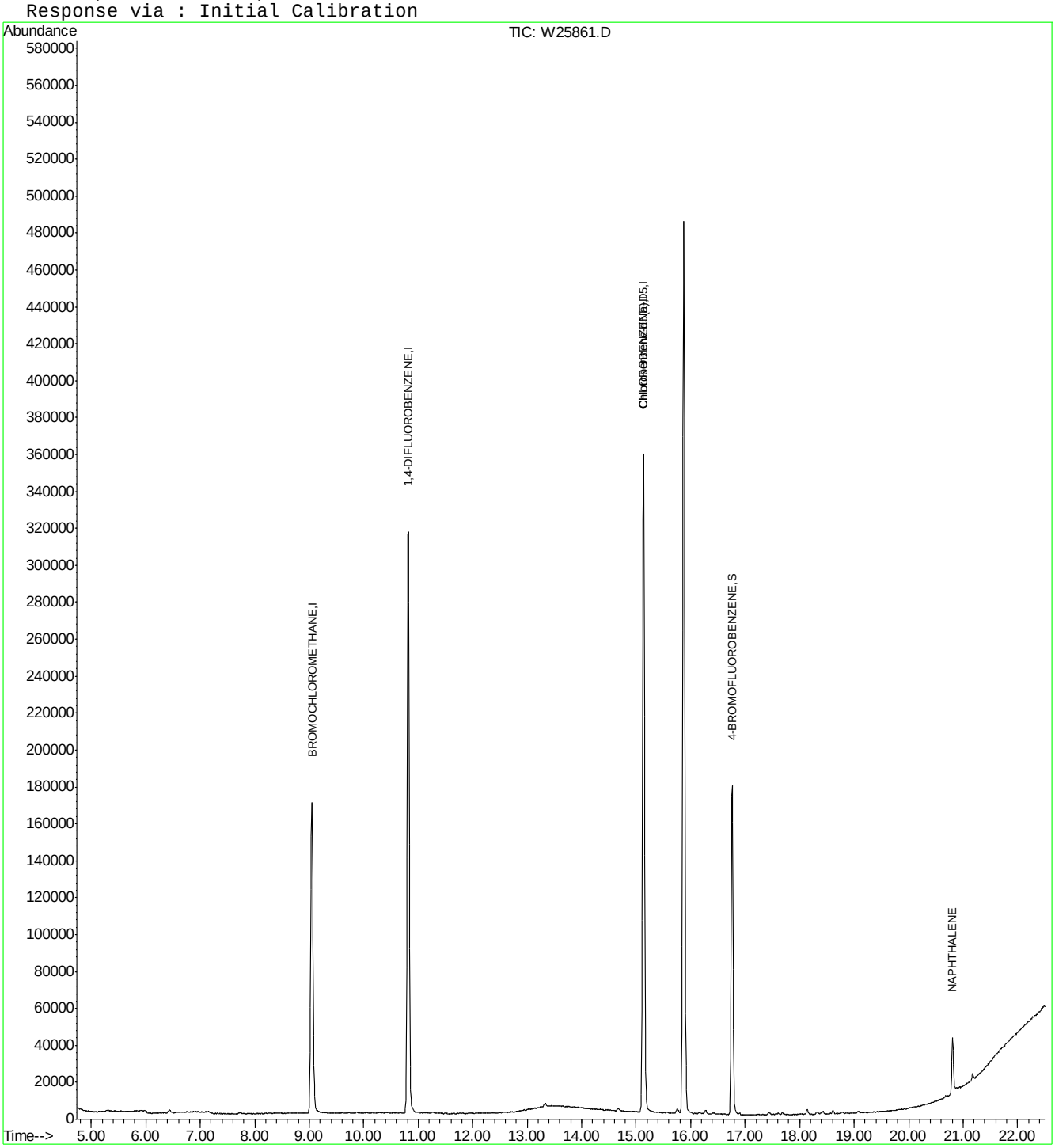
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	73756	10.00	PPBV	-0.02
46) 1,4-DIFLUOROBENZENE	10.82	114	365681	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.13	82	168592	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	168768	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	88542	4.99	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	37991	3.70	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25861.D Vial: 6
Acq On : 13 Apr 2010 3:55 am Operator: YOUMINH
Sample : IC1071-5.0 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:27 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25862.D Vial: 6
Acq On : 13 Apr 2010 4:36 am Operator: YOUMINH
Sample : IC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:25 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

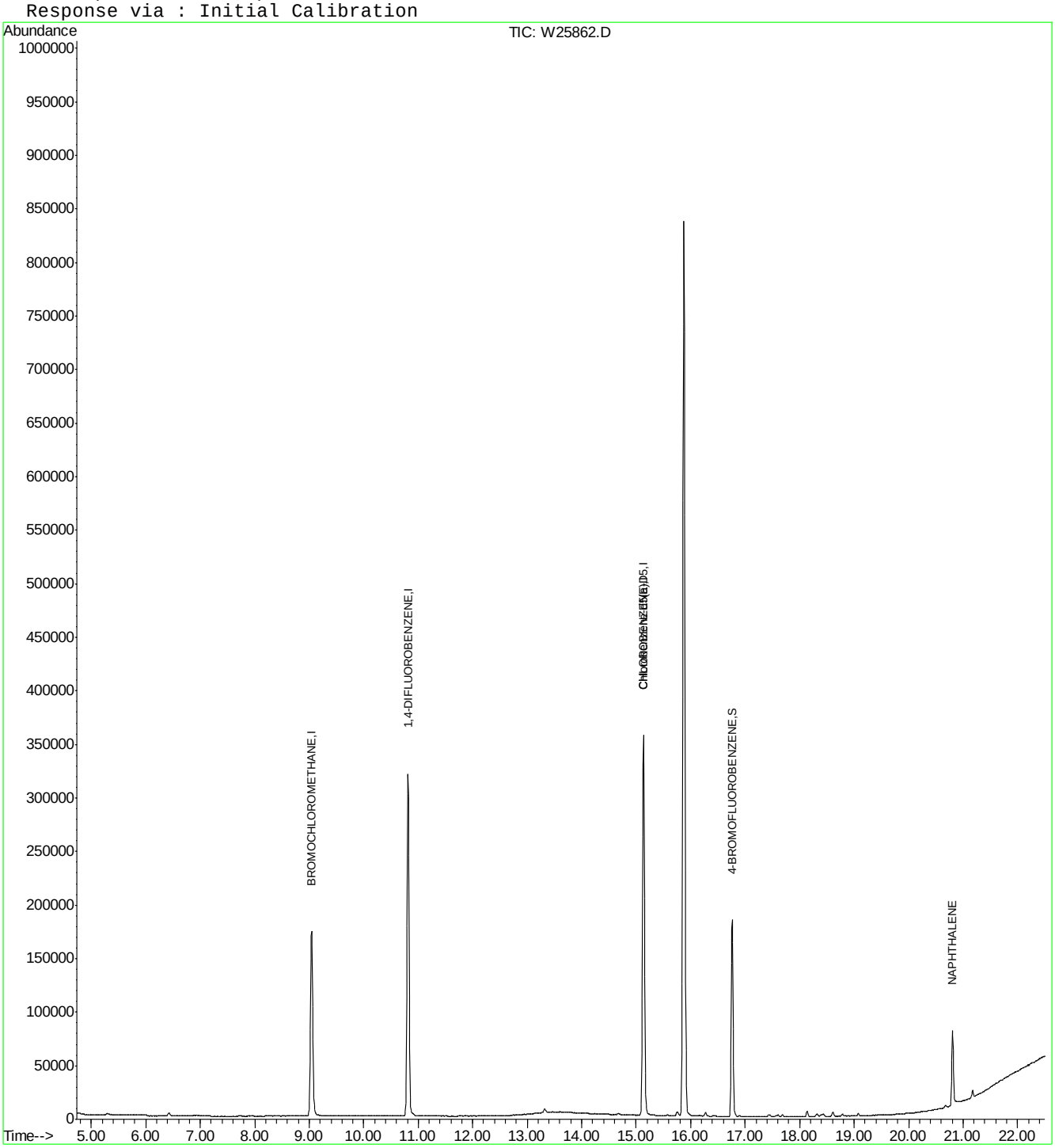
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	73736	10.00	PPBV	-0.03
46) 1,4-DIFLUOROBENZENE	10.81	114	364640	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.14	82	165834	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.14	82	165834	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	89322	5.12	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	76566	7.58	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25862.D Vial: 6
Acq On : 13 Apr 2010 4:36 am Operator: YOUMINH
Sample : IC1071-10 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:27 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.08	128	72511	10.00	PPBV		0.01
46) 1,4-DIFLUOROBENZENE	10.86	114	347028	10.00	PPBV		0.02
63) CHLOROBENZENE-D5	15.15	82	201014	10.00	PPBV		0.01
96) Chlorobenzene-d5(a)	15.15	82	201014	10.00	PPBV		0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	101932	4.50	PPBV		0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 90.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.80	67	90477	33.85	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.90	85	899448	33.67	PPBV		98
6) PROPYLENE	4.83	41	337831	34.43	PPBV		96
7) FREON 114	5.15	85	1001579	33.52	PPBV		99
8) CHLOROMETHANE	5.06	52	107964	33.18	PPBV		95
9) VINYL CHLORIDE	5.26	62	401848	33.95	PPBV		99
10) 1,3-BUTADIENE	5.39	54	328173	33.88	PPBV	#	87
11) n-BUTANE	5.44	43	660119	33.88	PPBV		97
12) BROMOMETHANE	5.65	94	323333	32.76	PPBV		100
13) CHLOROETHANE	5.80	64	216443	33.09	PPBV		97
14) ACROLEIN	6.25	56	149212	34.66	PPBV		98
15) FREON 123	6.22	83	837114	33.50	PPBV	#	99
16) FREON 123A	6.27	117	489502	33.50	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.47	101	861015	31.99	PPBV		100
18) ISOPROPYL ALCOHOL	6.73	45	686930	32.22	PPBV	#	71
19) ACETONE	6.38	58	170445	32.70	PPBV	#	61
20) PENTANE	6.77	57	115799	32.78	PPBV	#	70
21) TVHC as EQUIV PENTANE	6.77	TIC	2415942m	37.33	PPBV		
22) IODOMETHANE	6.99	142	864334	32.20	PPBV		96
23) 1,1-DICHLOROETHYLENE	7.03	96	335336	32.39	PPBV	#	82
24) CARBON DISULFIDE	7.43	76	1011148	31.90	PPBV		94
25) ETHANOL	6.07	45	147569	32.76	PPBV		98
26) BROMOETHENE	6.11	106	339778	33.12	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	297497	32.63	PPBV		85
28) 3-CHLOROPROPENE	7.25	76	182067	33.19	PPBV	#	63
29) FREON 113	7.35	151	586764	33.45	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.96	96	379829	33.33	PPBV		92
31) TERTIARY BUTYL ALCOHOL	7.28	59	872465	31.76	PPBV	#	92
32) METHYL TERTIARY BUTYL ETHE	8.23	73	1040706	33.07	PPBV		95
33) TETRAHYDROFURAN	9.62	72	183781	33.28	PPBV	#	82
34) HEXANE	9.06	57	649113	32.73	PPBV		88
35) VINYL ACETATE	8.29	86	101115	32.69	PPBV	#	49
36) 1,1-DICHLOROETHANE	8.16	63	683701	32.65	PPBV		100
37) METHYL ETHYL KETONE	8.58	72	185947	32.95	PPBV	#	72
38) cis-1,2-DICHLOROETHYLENE	8.90	96	385741	33.68	PPBV		92
39) DI-ISOPROPYL ETHER	9.09	45	1374568	32.61	PPBV		97
40) ETHYL ACETATE	9.14	61	117810	32.04	PPBV	#	71
41) CHLOROFORM	9.21	83	721175	33.01	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.89	57	790744	32.82	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.11	97	740194	33.36	PPBV		96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.67	117	775670	33.77	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	469150	32.76	PPBV		98
47)	BENZENE	10.54	78	1167402	34.87	PPBV		97
48)	CYCLOHEXANE	10.78	84	564492	34.98	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.99	71	309696	35.85	PPBV		94
50)	TRICHLOROETHYLENE	11.53	95	496868	35.89	PPBV		96
51)	1,2-DICHLOROPROPANE	11.32	63	429273	35.02	PPBV		97
52)	BROMODICHLOROMETHANE	11.51	83	812003	35.25	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.54	57	2024198	33.49	PPBV		99
54)	1,4-DIOXANE	11.60	88	252043	34.81	PPBV		93
55)	METHYL METHACRYLATE	11.71	69	421810	35.96	PPBV	#	80
56)	HEPTANE	11.78	43	769910	34.15	PPBV		91
57)	TVHC as EQUIV HEPTANE	11.78	TIC	3370051m	35.55	PPBV		
58)	METHYL ISOBUTYL KETONE	12.43	43	862858	33.70	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.36	75	683015	35.50	PPBV		90
60)	TOLUENE	13.33	92	845208	35.45	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.87	75	586519	36.02	PPBV		92
62)	1,1,2-TRICHLOROETHANE	13.07	83	383088	35.98	PPBV		100
64)	2-HEXANONE	13.61	43	818321	29.94	PPBV		92
65)	TETRACHLOROETHYLENE	14.48	164	554825	33.24	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.79	129	794184	32.02	PPBV		100
67)	1,2-DIBROMOETHANE	14.04	107	664269	32.06	PPBV		100
68)	OCTANE	14.28	43	998387	30.12	PPBV		93
69)	1,1,1,2-TETRACHLOROETHANE	15.18	131	580337	32.62	PPBV	#	100
70)	CHLOROBENZENE	15.20	112	1073063	32.39	PPBV		99
71)	ETHYLBENZENE	15.58	91	1749444	31.82	PPBV		99
72)	m,p-XYLENE	15.78	106	1372083	64.07	PPBV		97
73)	o-XYLENE	16.29	106	654860	32.17	PPBV		97
74)	STYRENE	16.17	104	1028176	32.48	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.43	75	668563	32.32	PPBV		99
76)	NONANE	16.47	43	955993	30.16	PPBV		95
77)	BROMOFORM	15.90	173	738017	33.33	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.29	83	809026	32.02	PPBV		100
80)	ISOPROPYLBENZENE	16.91	105	1862865	32.06	PPBV		98
81)	2-CHLOROTOLUENE	17.43	126	444680	33.31	PPBV	#	86
82)	n-PROPYLBENZENE	17.45	120	517270	33.20	PPBV		86
83)	4-ETHYLTOLUENE	17.61	105	1670468	32.03	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.69	105	1381823m	26.33	PPBV		
85)	TERT-BUTYLBENZENE	18.14	134	368290	33.86	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.15	105	1329740	33.06	PPBV		99
87)	m-DICHLOROBENZENE	18.33	146	826235	34.29	PPBV		99
88)	BENZYL CHLORIDE	18.31	91	1013911	34.68	PPBV		97
89)	p-DICHLOROBENZENE	18.40	146	780044m	32.37	PPBV		
90)	SEC-BUTYLBENZENE	18.44	134	425277	34.00	PPBV		88
91)	p-ISOPROPYLTOLUENE	18.61	134	410659	33.51	PPBV		94
92)	o-DICHLOROBENZENE	18.79	146	681351	33.61	PPBV		100
93)	n-BUTYLBENZENE	19.07	134	331489	33.53	PPBV		86
94)	HEXACHLOROBUTADIENE	21.17	225	183656	31.20	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	165997	35.16	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:06:09 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:05:00 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

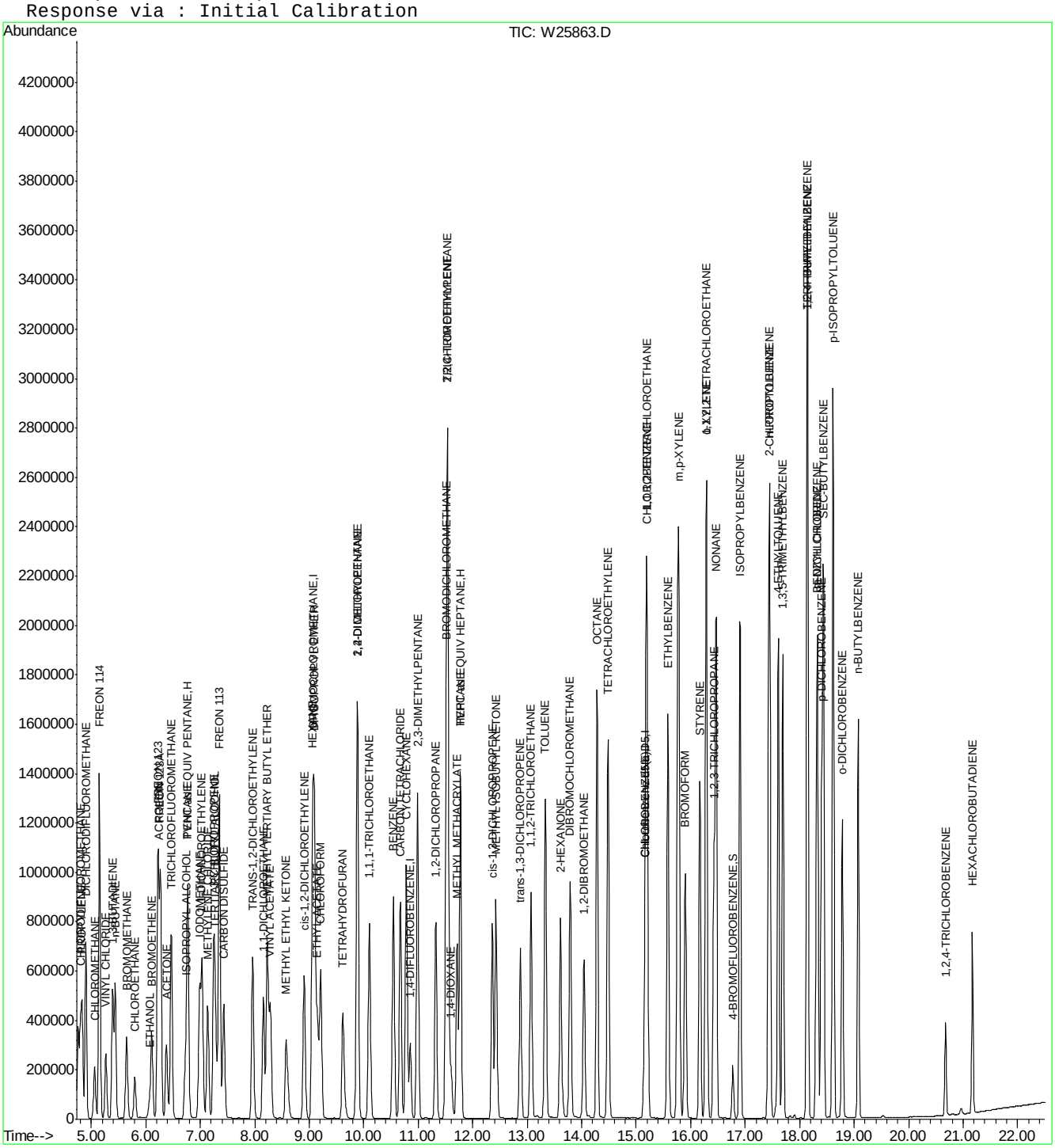
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

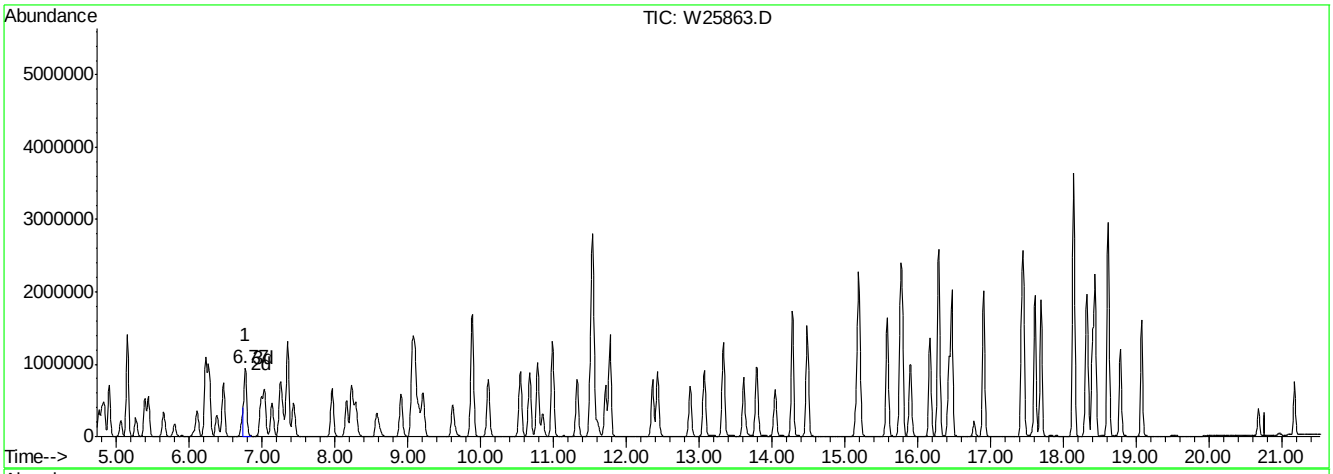


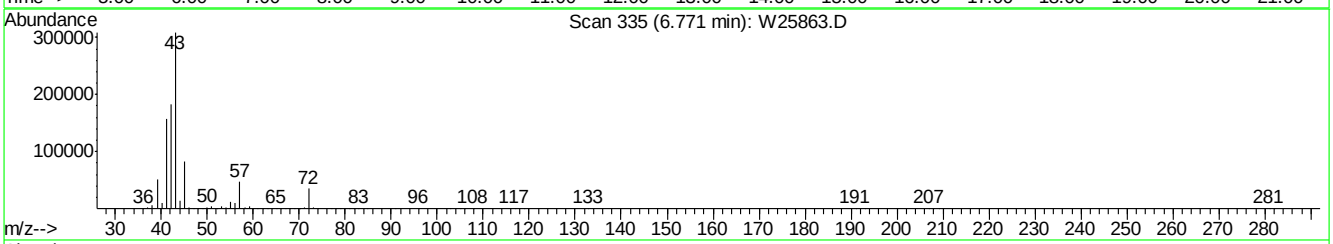
ACCUTEST JA45152 Laboratories

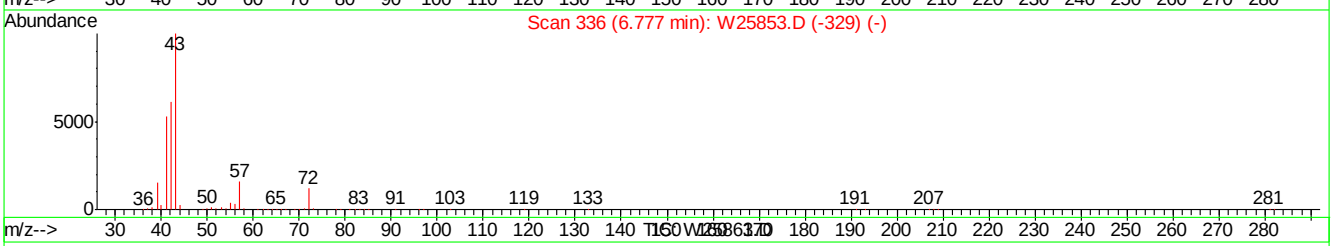
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.77min 37.33PPBV m

response 2415942

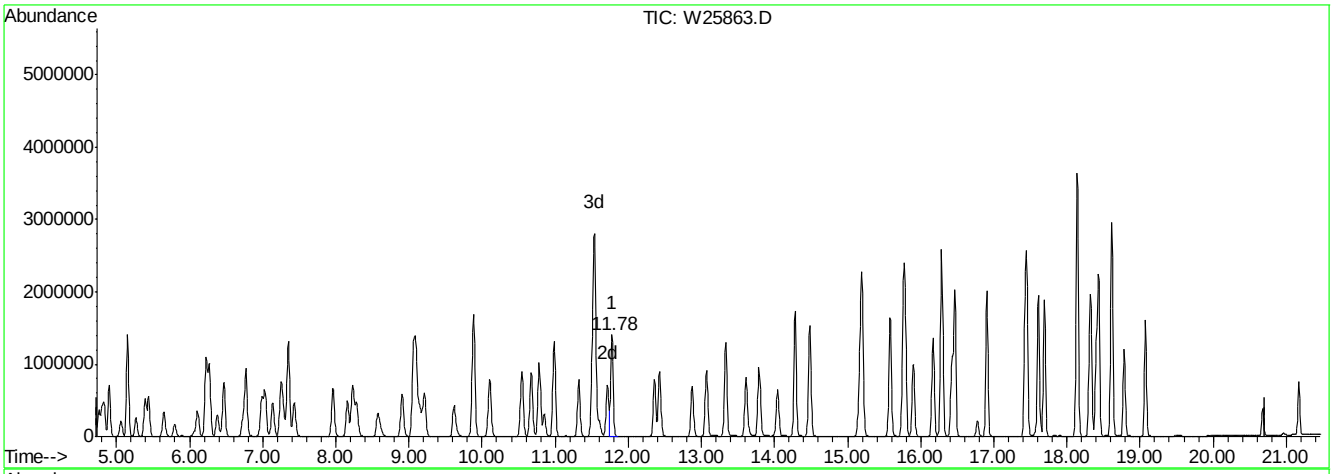
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

W25863.D MW1071.M Wed Apr 14 11:34:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.78min 35.55PPBV m

response 3370051

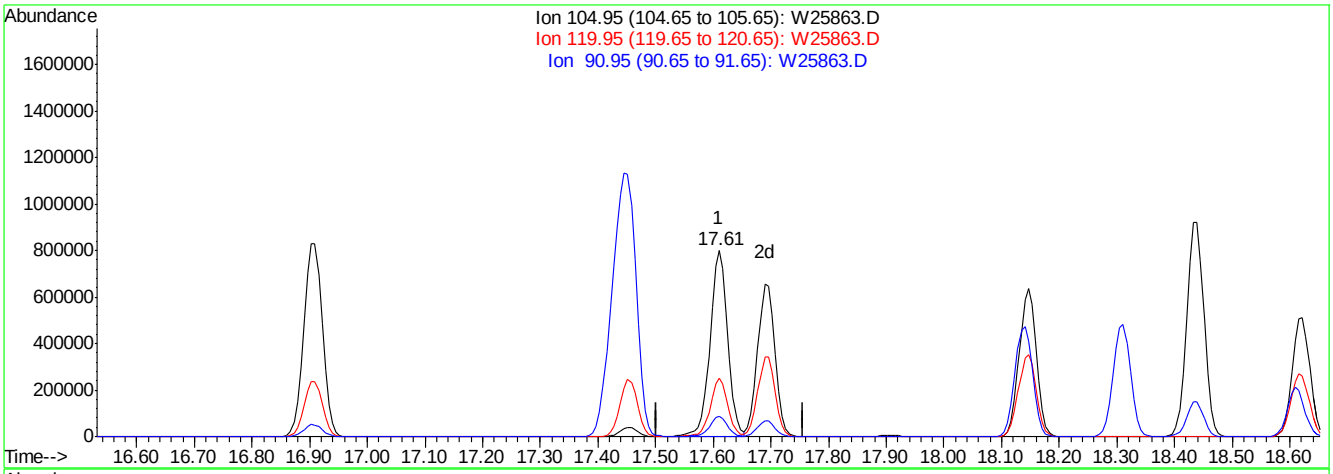
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

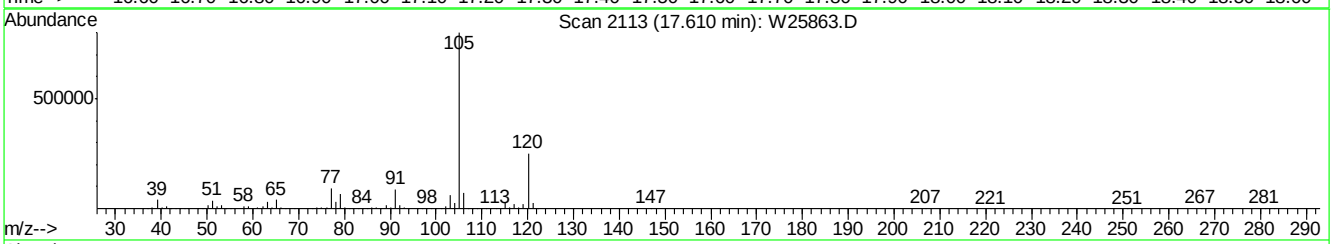
W25863.D MW1071.M Wed Apr 14 11:34:56 2010 MSW

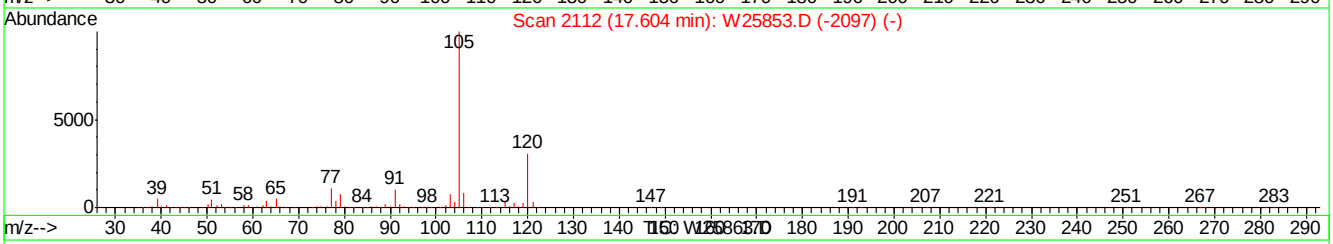
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 10:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.61min 32.50PPBV

response 1705227

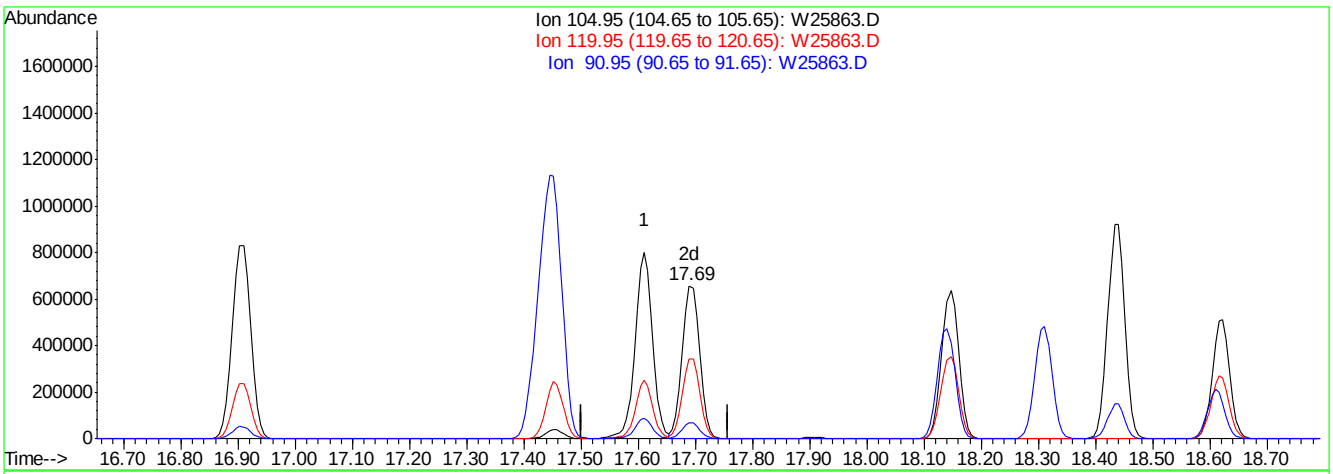
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	31.16
90.95	9.70	10.71
0.00	0.00	0.00

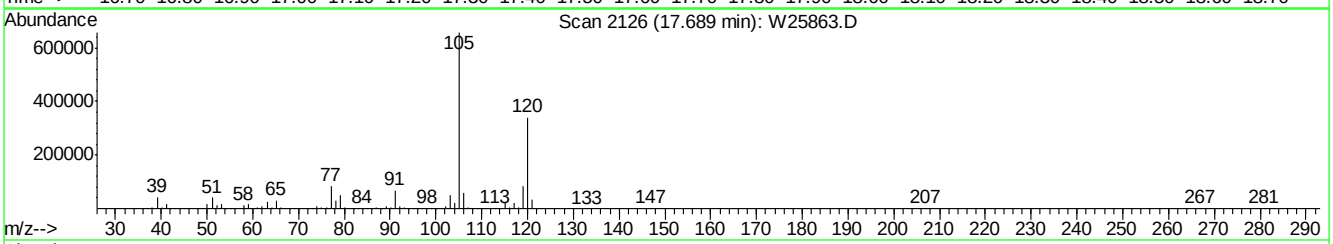
W25863.D MW1071.M Wed Apr 14 11:47:42 2010 MSW

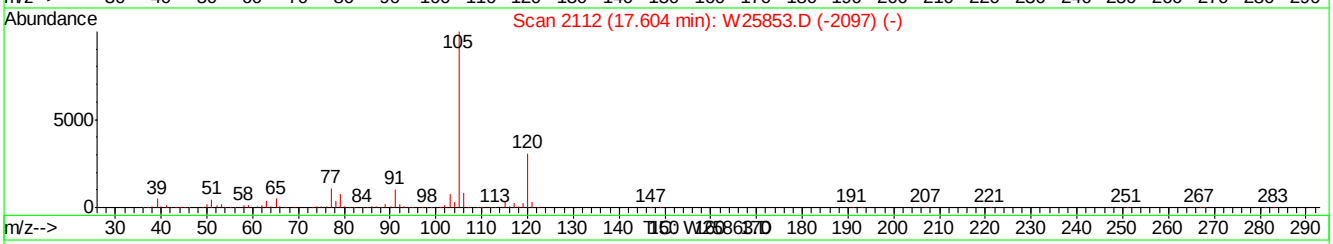
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.69min 26.33PPBV m

response 1381823

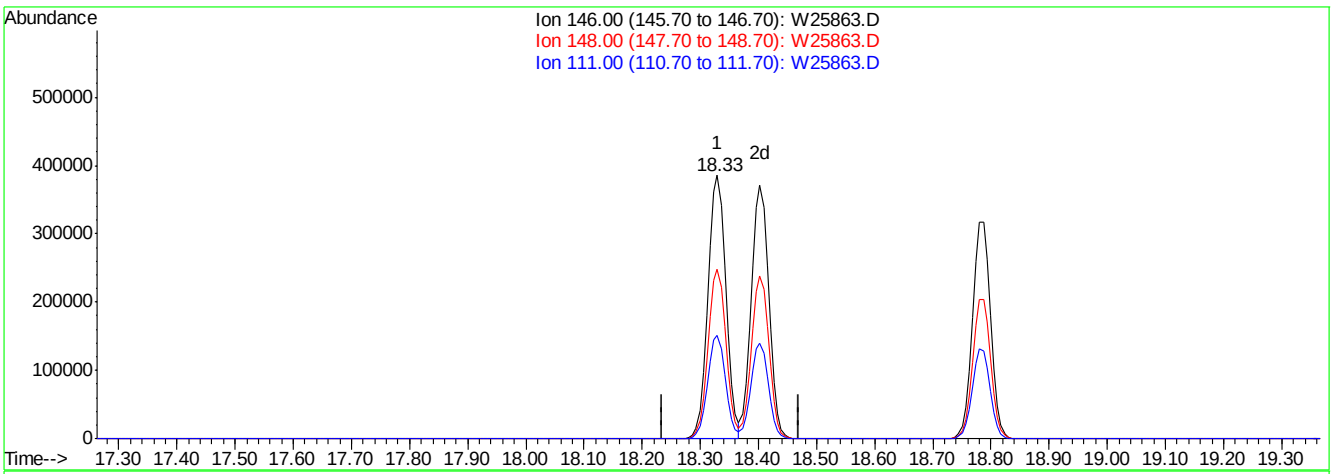
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	38.46
90.95	9.70	13.22
0.00	0.00	0.00

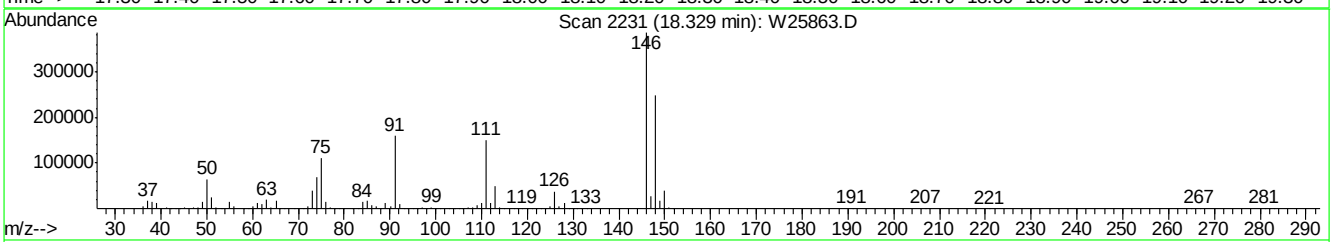
W25863.D MW1071.M Wed Apr 14 11:47:56 2010 MSW

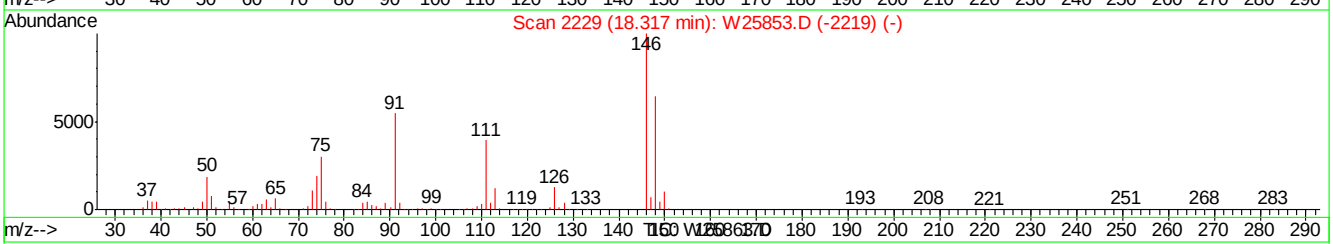
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:47 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.33min 34.28PPBV

response 826205

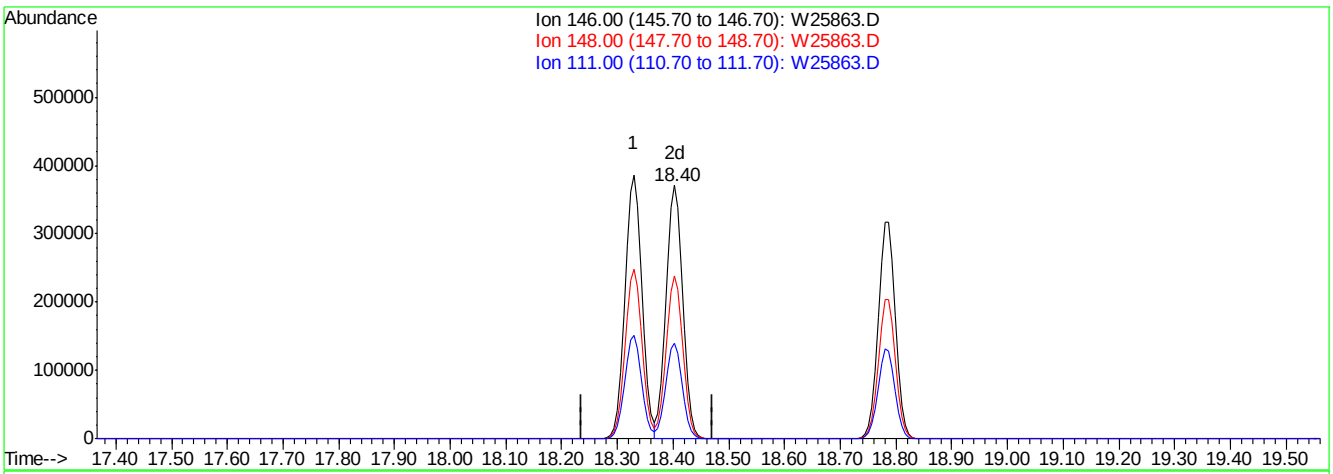
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	64.26
111.00	37.90	39.04
0.00	0.00	0.00

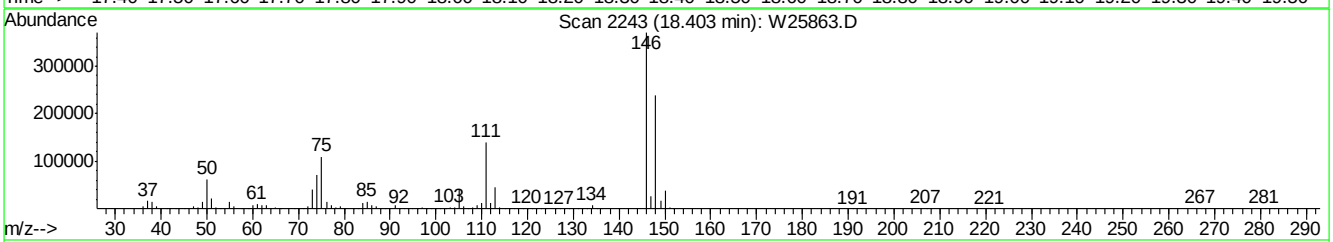
W25863.D MW1071.M Wed Apr 14 12:02:24 2010 MSW

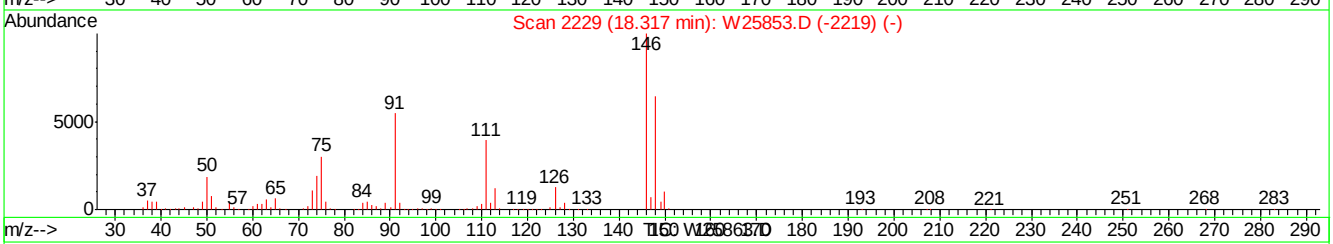
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25863.D Vial: 2
Acq On : 13 Apr 2010 5:17 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.40min 32.37PPBV m

response 780044

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	68.07
111.00	37.90	41.35
0.00	0.00	0.00

W25863.D MW1071.M Wed Apr 14 12:02:37 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25864.D Vial: 7
Acq On : 13 Apr 2010 5:58 am Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

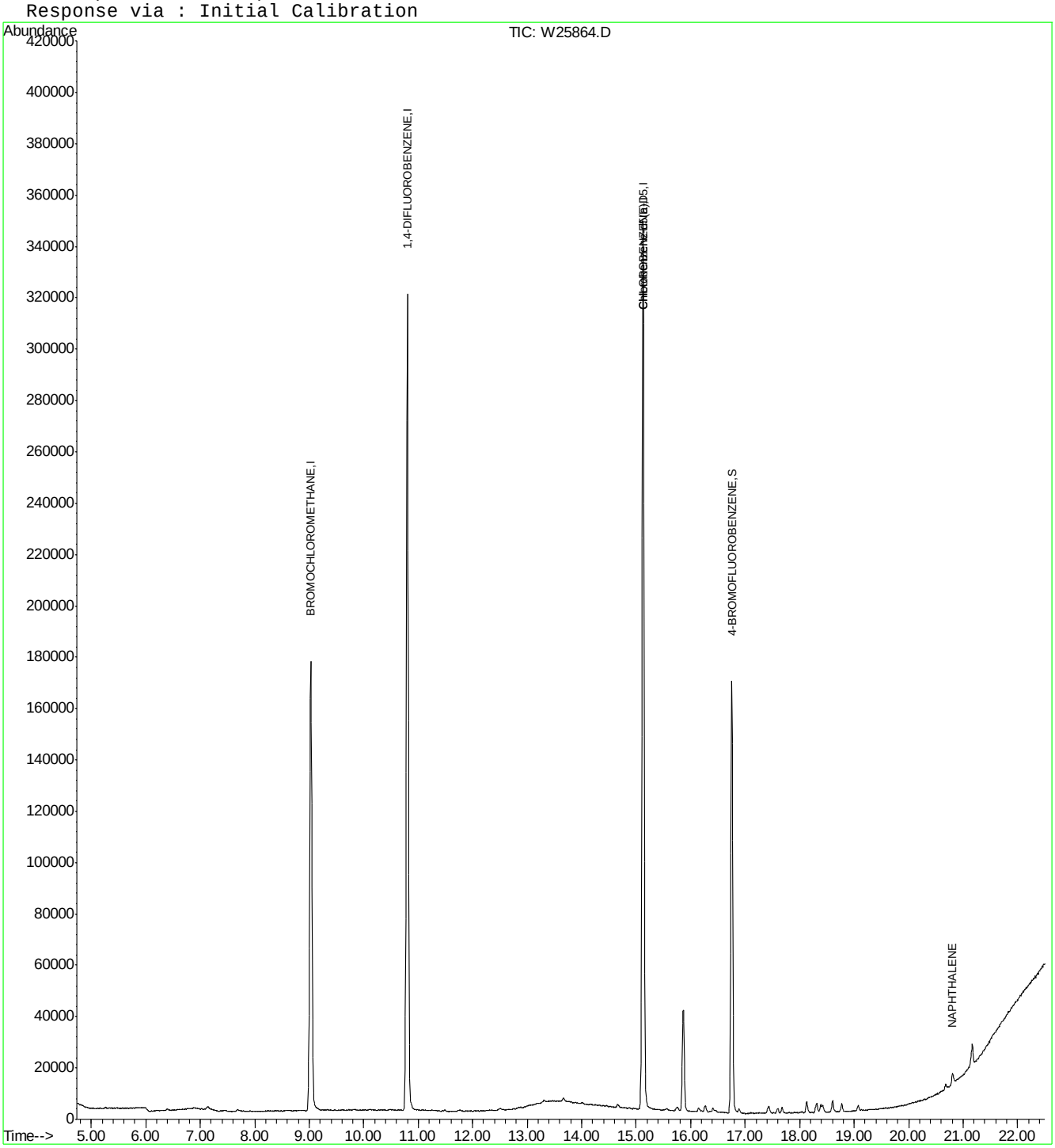
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	75091	10.00	PPBV	-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	366443	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	164229	10.00	PPBV	-0.03
96) Chlorobenzene-d5(a)	15.12	82	164444	10.00	PPBV	-0.03
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.75	95	83337	4.82	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 96.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	6325	0.63	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25864.D Vial: 7
Acq On : 13 Apr 2010 5:58 am Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25865.D Vial: 7
Acq On : 13 Apr 2010 6:39 am Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:36 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

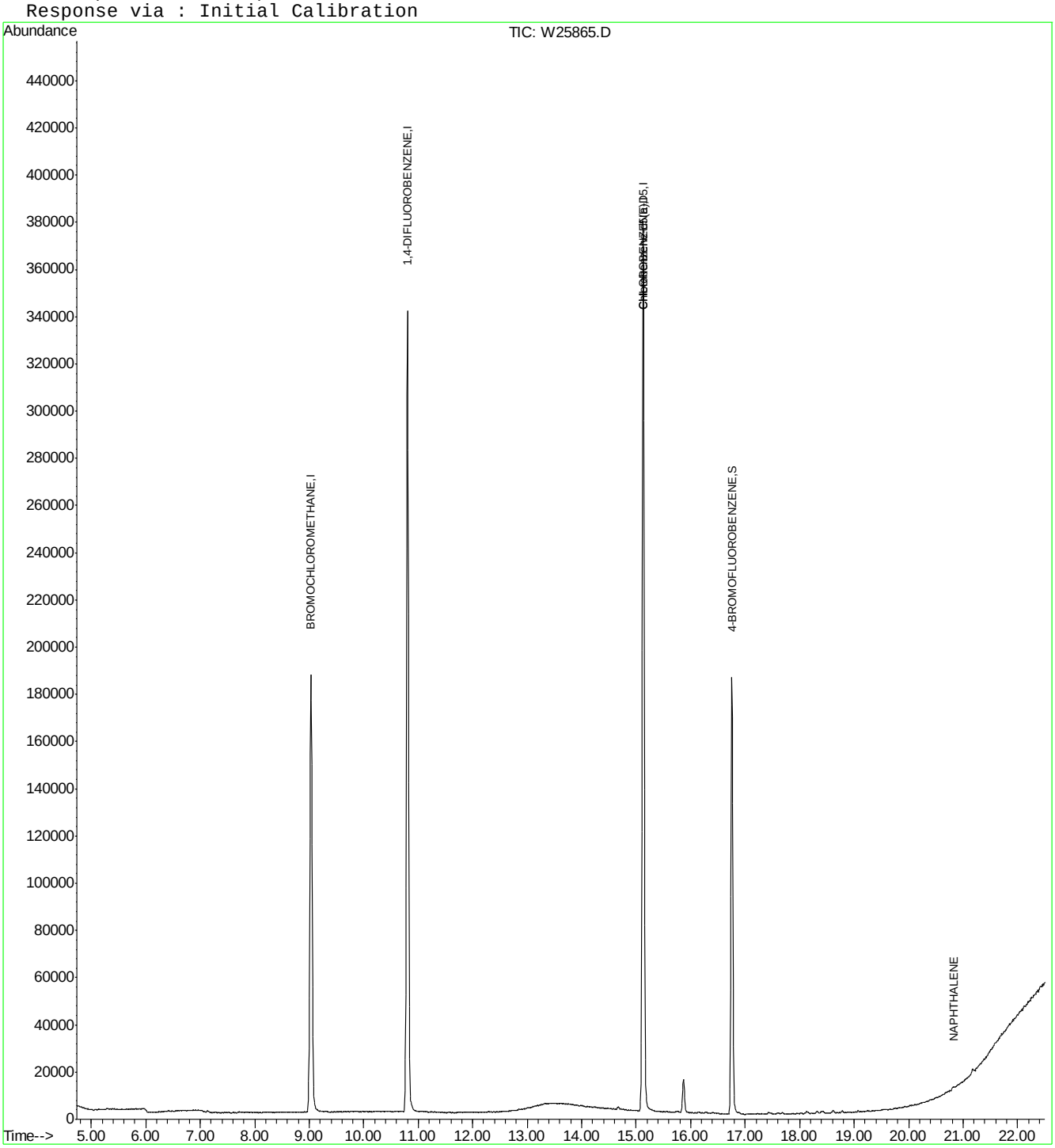
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	78406	10.00	PPBV	-0.04
46) 1,4-DIFLUOROBENZENE	10.80	114	387099	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.13	82	176617	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	177062	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	90488	4.87	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.82	128	1865	0.17	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25865.D Vial: 7
Acq On : 13 Apr 2010 6:39 am Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25866.D Vial: 6
Acq On : 13 Apr 2010 8:02 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:41 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

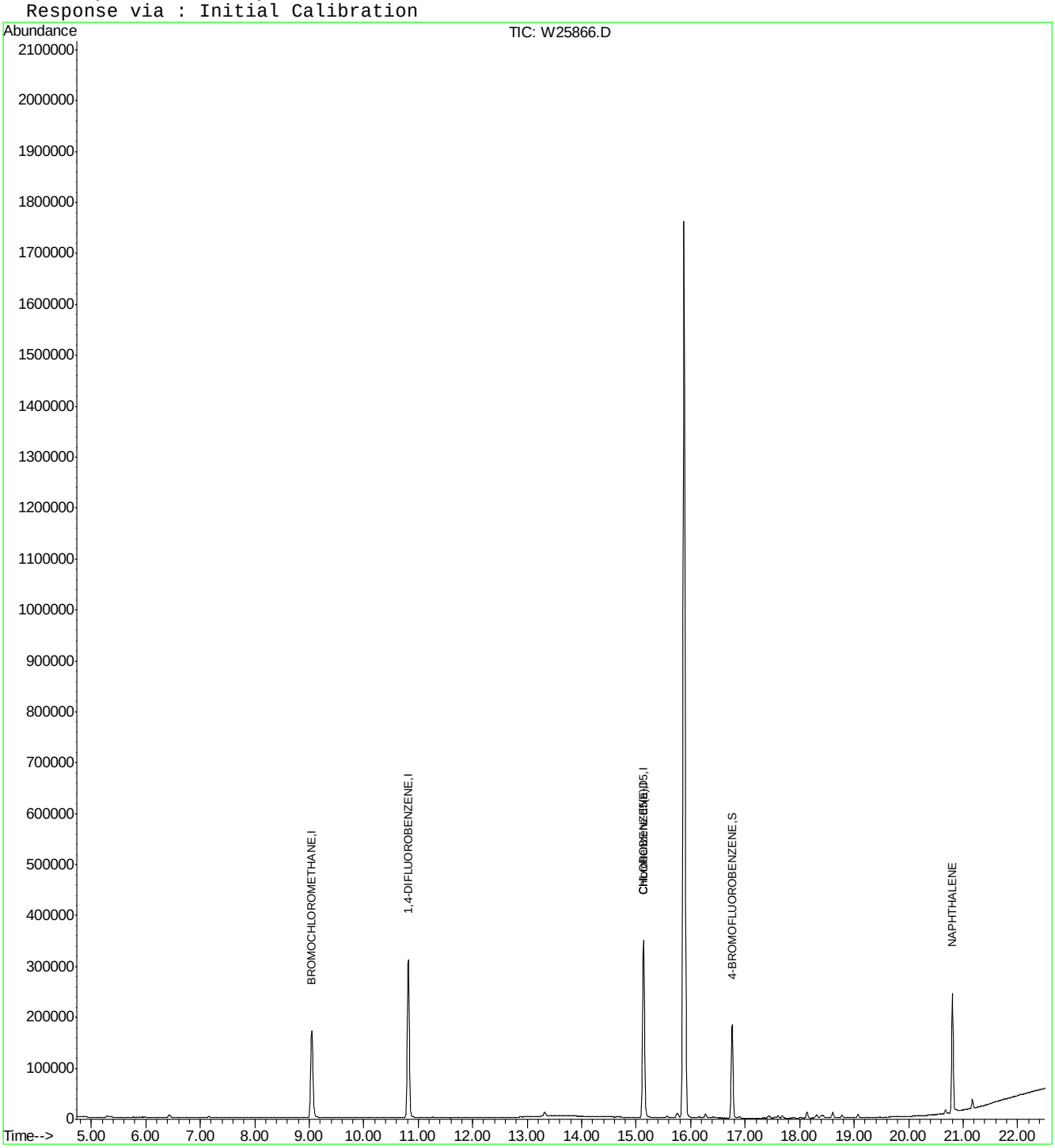
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	74550	10.00	PPBV	-0.03
46) 1,4-DIFLUOROBENZENE	10.82	114	358742	10.00	PPBV	-0.04
63) CHLOROBENZENE-D5	15.13	82	161859	10.00	PPBV	-0.02
96) Chlorobenzene-d5(a)	15.13	82	161978	10.00	PPBV	-0.02
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	88105	5.17	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	248761	25.22	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W25866.D MW1071.M Wed Apr 14 11:33:02 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25866.D Vial: 6
Acq On : 13 Apr 2010 8:02 am Operator: YOUMINH
Sample : IC1071-20 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25867.D Vial: 6
Acq On : 13 Apr 2010 8:43 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:22:47 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

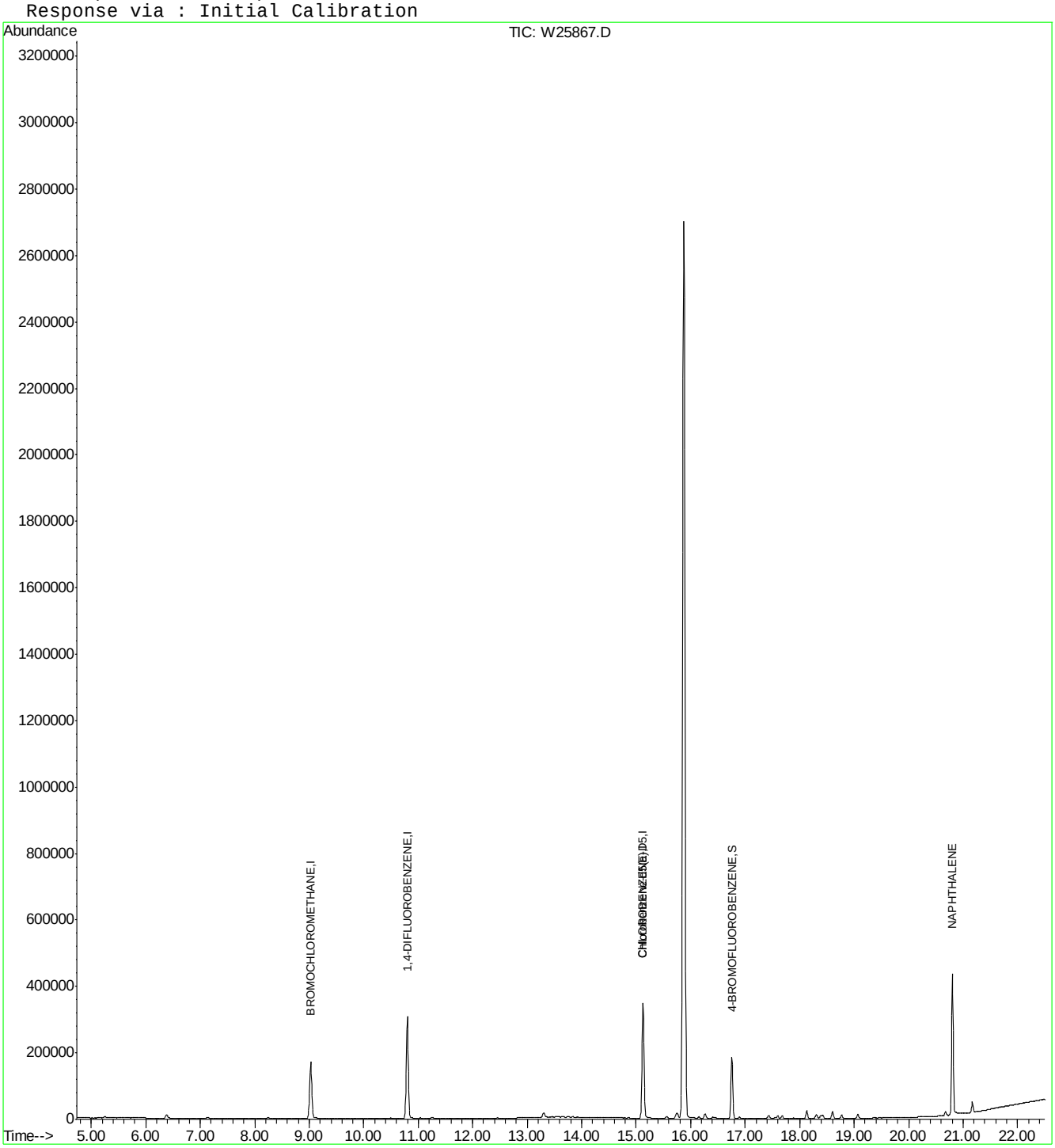
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	70791	10.00	PPBV	-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	352942	10.00	PPBV	-0.05
63) CHLOROBENZENE-D5	15.12	82	161300	10.00	PPBV	-0.03
96) Chlorobenzene-d5(a)	15.12	82	161536	10.00	PPBV	-0.03
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.76	95	87235	5.14	PPBV	-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	438030	44.53	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25867.D Vial: 6
Acq On : 13 Apr 2010 8:43 am Operator: YOUMINH
Sample : IC1071-40 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:31 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.04	128	73373	10.00	PPBV		-0.03
46) 1,4-DIFLUOROBENZENE	10.82	114	353838	10.00	PPBV		-0.04
63) CHLOROBENZENE-D5	15.13	82	154802	10.00	PPBV		-0.02
96) Chlorobenzene-d5(a)	15.13	82	154802	10.00	PPBV		-0.02
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	83915	5.19	PPBV		-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 103.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.79	67	1362	0.54	PPBV		89
5) DICHLORODIFLUOROMETHANE	4.89	85	13035	0.49	PPBV		98
6) PROPYLENE	4.82	41	4941	0.51	PPBV		98
7) FREON 114	5.14	85	14347	0.49	PPBV		96
8) CHLOROMETHANE	5.06	52	1587	0.51	PPBV		92
9) VINYL CHLORIDE	5.26	62	5608	0.49	PPBV		99
10) 1,3-BUTADIENE	5.39	54	4498	0.47	PPBV	#	80
11) n-BUTANE	5.43	43	9034	0.45	PPBV		99
12) BROMOMETHANE	5.65	94	4897	0.51	PPBV		97
13) CHLOROETHANE	5.79	64	3112	0.49	PPBV		99
14) ACROLEIN	6.29	56	1899	0.47	PPBV		93
15) FREON 123	6.22	83	12138	0.49	PPBV	#	99
16) FREON 123A	6.27	117	7322	0.51	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.46	101	13142	0.50	PPBV		98
18) ISOPROPYL ALCOHOL	6.87	45	8921	0.47	PPBV	#	58
19) ACETONE	6.42	58	2587	0.55	PPBV	#	78
20) PENTANE	6.76	57	1810	0.56	PPBV		99
21) TVHC as EQUIV PENTANE	6.76	TIC	30165m	0.45	PPBV		
22) IODOMETHANE	6.98	142	13150	0.51	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.02	96	5191	0.51	PPBV		92
24) CARBON DISULFIDE	7.42	76	14529	0.46	PPBV		94
25) ETHANOL	6.23	45	2715	0.65	PPBV		89
26) BROMOETHENE	6.11	106	5183	0.53	PPBV	#	99
27) METHYLENE CHLORIDE	7.14	84	5039	0.59	PPBV		92
28) 3-CHLOROPROPENE	7.24	76	2405	0.47	PPBV	#	84
29) FREON 113	7.34	151	8903	0.51	PPBV		92
30) TRANS-1,2-DICHLOROETHYLENE	7.95	96	5403	0.48	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.40	59	9067	0.37	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.24	73	12905	0.44	PPBV		93
33) TETRAHYDROFURAN	9.73	72	2239	0.46	PPBV		91
34) HEXANE	9.04	57	8358	0.43	PPBV		87
35) VINYL ACETATE	8.28	86	1129	0.42	PPBV	#	54
36) 1,1-DICHLOROETHANE	8.14	63	8997	0.44	PPBV		100
37) METHYL ETHYL KETONE	8.57	72	1977	0.39	PPBV	#	79
38) cis-1,2-DICHLOROETHYLENE	8.89	96	5170	0.45	PPBV		98
39) DI-ISOPROPYL ETHER	9.08	45	16086	0.42	PPBV		98
40) ETHYL ACETATE	9.12	61	1358	0.43	PPBV	#	86
41) CHLOROFORM	9.15	83	9776	0.46	PPBV		98
42) 2,4-DIMETHYLPENTANE	9.86	57	10121	0.44	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.07	97	9984	0.46	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.65	117	10471	0.46	PPBV		100
45)	1,2-DICHLOROETHANE	9.85	62	5588	0.41	PPBV		98
47)	BENZENE	10.51	78	15084	0.45	PPBV		98
48)	CYCLOHEXANE	10.76	84	7997	0.45	PPBV	#	82
49)	2,3-DIMETHYLPENTANE	10.96	71	4009	0.47	PPBV		98
50)	TRICHLOROETHYLENE	11.51	95	6449	0.46	PPBV		95
51)	1,2-DICHLOROPROPANE	11.29	63	5290	0.43	PPBV		97
52)	BROMODICHLOROMETHANE	11.48	83	9613	0.42	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	25567	0.44	PPBV		97
54)	1,4-DIOXANE	11.73	88	3257	0.46	PPBV	#	1
55)	METHYL METHACRYLATE	11.74	69	4271	0.39	PPBV	#	1
56)	HEPTANE	11.74	43	10091	0.41	PPBV		90
57)	TVHC as EQUIV HEPTANE	11.74	TIC	68989m	0.75	PPBV		
58)	METHYL ISOBUTYL KETONE	12.48	43	8888	0.38	PPBV		93
59)	cis-1,3-DICHLOROPROPENE	12.34	75	7218	0.38	PPBV		91
60)	TOLUENE	13.31	92	10014	0.42	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.85	75	5682	0.36	PPBV		92
62)	1,1,2-TRICHLOROETHANE	13.04	83	4631	0.45	PPBV		99
64)	2-HEXANONE	13.66	43	7999	0.42	PPBV		87
65)	TETRACHLOROETHYLENE	14.47	164	7011	0.53	PPBV		94
66)	DIBROMOCHLOROMETHANE	13.76	129	9239	0.49	PPBV		100
67)	1,2-DIBROMOETHANE	14.01	107	7109	0.46	PPBV		99
68)	OCTANE	14.27	43	11348	0.47	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	6755	0.48	PPBV	#	97
70)	CHLOROBENZENE	15.18	112	11666	0.44	PPBV		84
71)	ETHYLBENZENE	15.57	91	18258	0.44	PPBV		99
72)	m,p-XYLENE	15.76	106	14302	0.90	PPBV		95
73)	o-XYLENE	16.27	106	6671	0.44	PPBV		99
74)	STYRENE	16.15	104	8481	0.38	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.41	75	6917	0.45	PPBV		98
76)	NONANE	16.46	43	10089	0.46	PPBV		93
77)	BROMOFORM	15.87	173	7475	0.43	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	8159	0.45	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	19181	0.46	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	4101	0.42	PPBV	#	1
82)	n-PROPYLBENZENE	17.44	120	4588	0.43	PPBV		95
83)	4-ETHYLTOLUENE	17.60	105	14379	0.41	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	12544m	0.37	PPBV		
85)	TERT-BUTYLBENZENE	18.13	134	3520	0.46	PPBV		93
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	10952	0.41	PPBV	#	84
87)	m-DICHLOROBENZENE	18.32	146	6427	0.39	PPBV		96
88)	BENZYL CHLORIDE	18.30	91	5187	0.27	PPBV		99
89)	p-DICHLOROBENZENE	18.39	146	6046m	0.36	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	3756	0.44	PPBV		95
91)	p-ISOPROPYLTOLUENE	18.60	134	3476	0.43	PPBV		95
92)	o-DICHLOROBENZENE	18.77	146	5666	0.39	PPBV		93
93)	n-BUTYLBENZENE	19.07	134	2233	0.33	PPBV		87
94)	HEXACHLOROBUTADIENE	21.17	225	2611	0.68	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.69	180	1548	0.46	PPBV		88

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:51:45 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 10:30:36 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

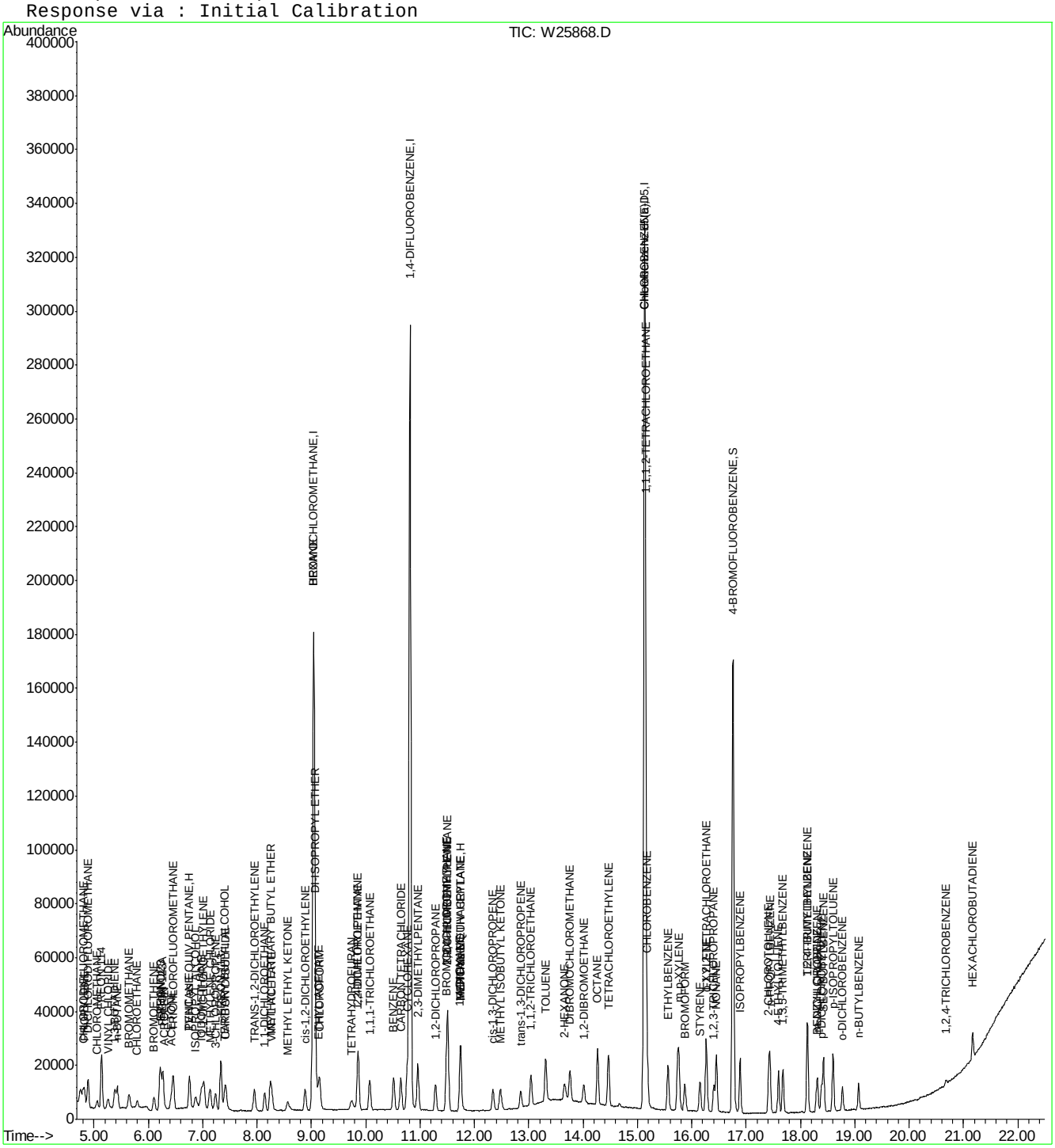
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

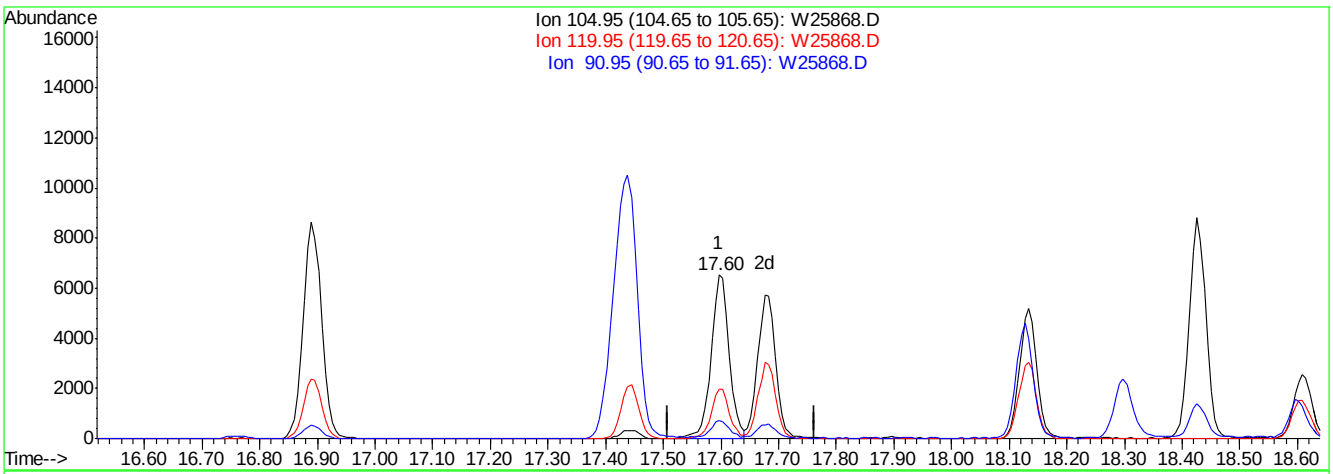


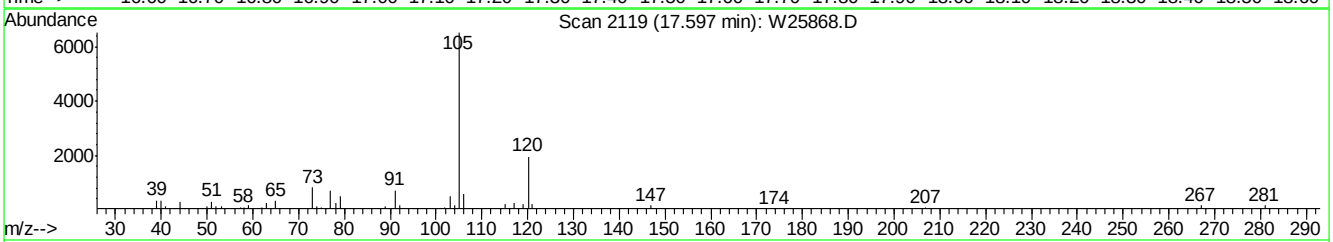
ACCUTEST JA45152 Laboratories

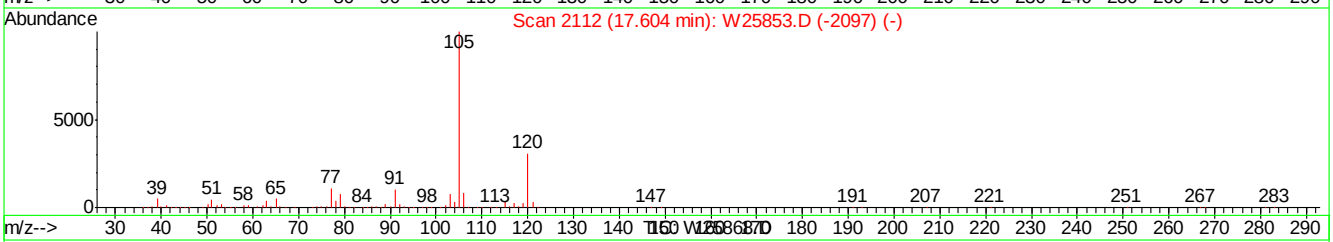
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 12:52 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration







(84) 1,3,5-TRIMETHYLBENZENE

17.60min 0.43PPBV

response 14379

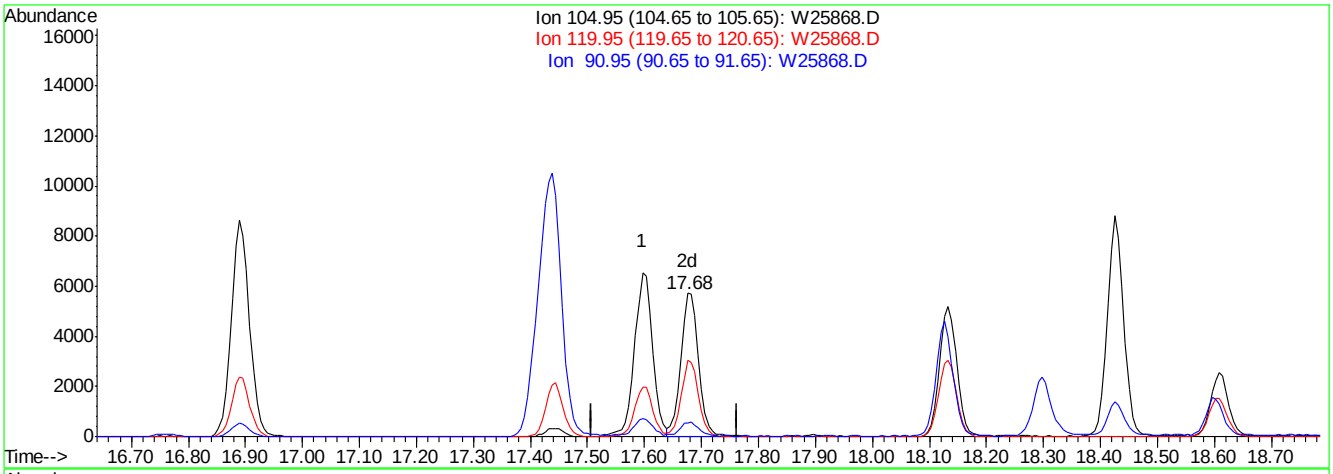
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.65
90.95	9.70	9.35
0.00	0.00	0.00

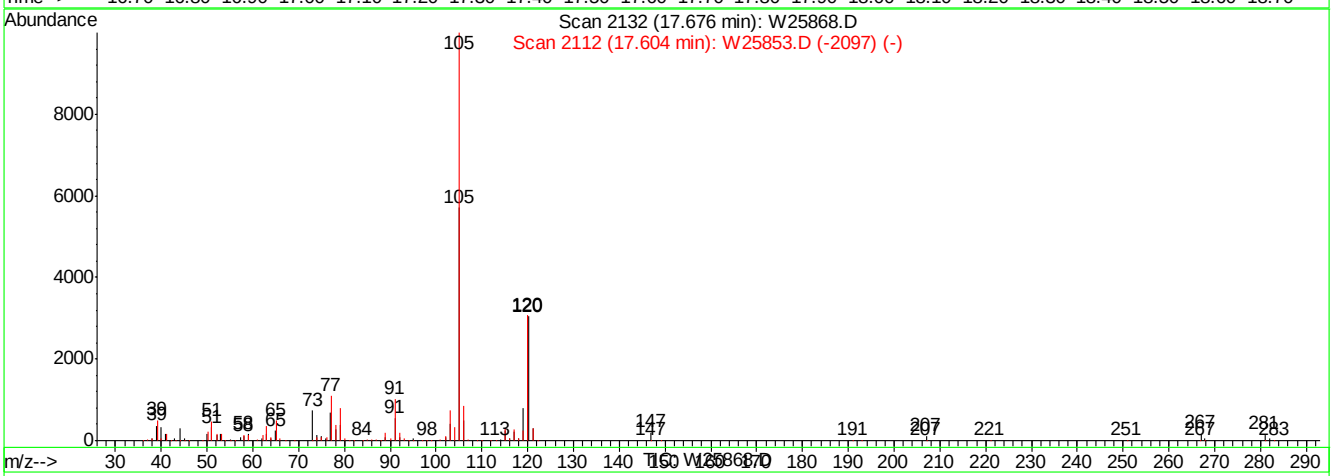
W25868.D MW1071.M Wed Apr 14 11:48:06 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.37PPBV m

response 12544

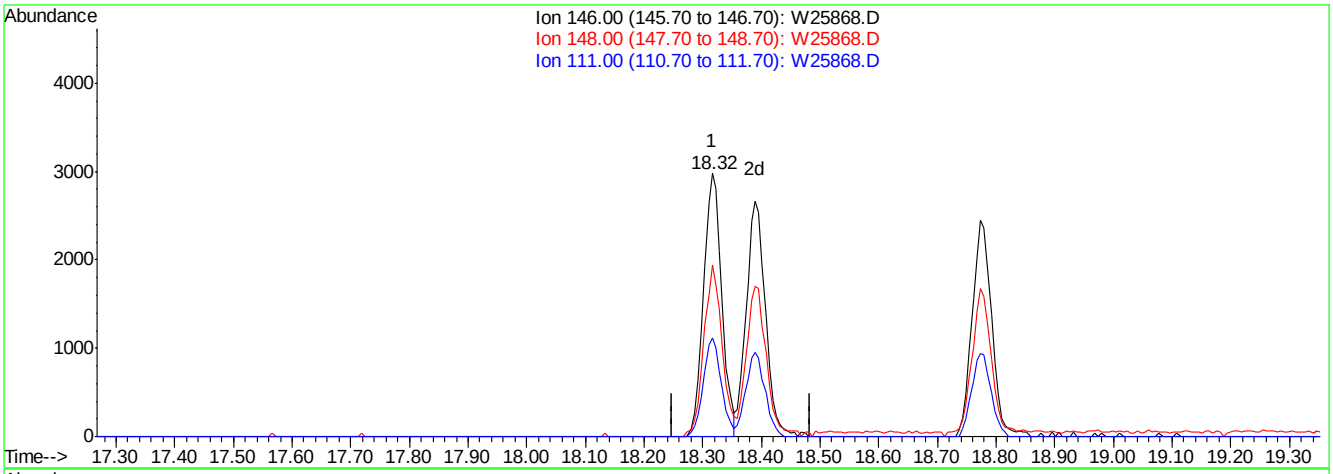
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	35.13
90.95	9.70	10.71
0.00	0.00	0.00

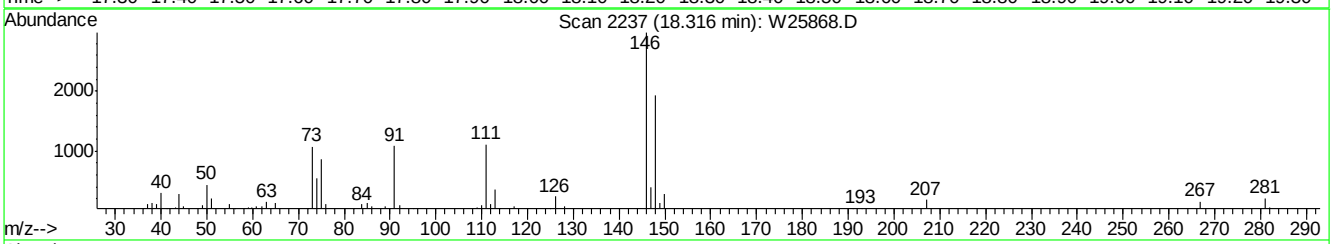
W25868.D MW1071.M Wed Apr 14 11:48:12 2010 MSW

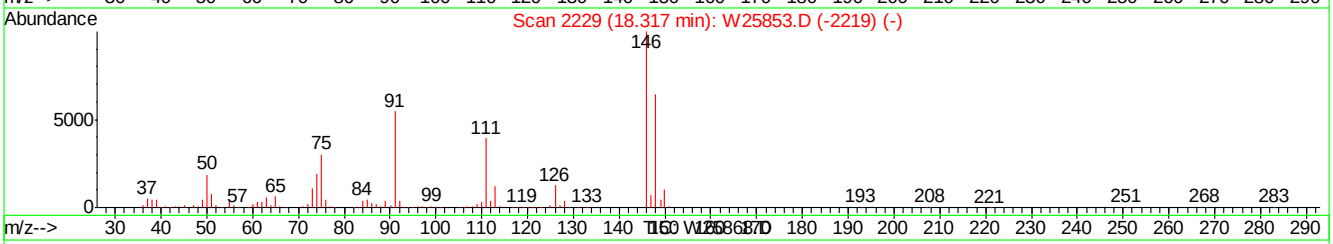
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.39PPBV

response 6427

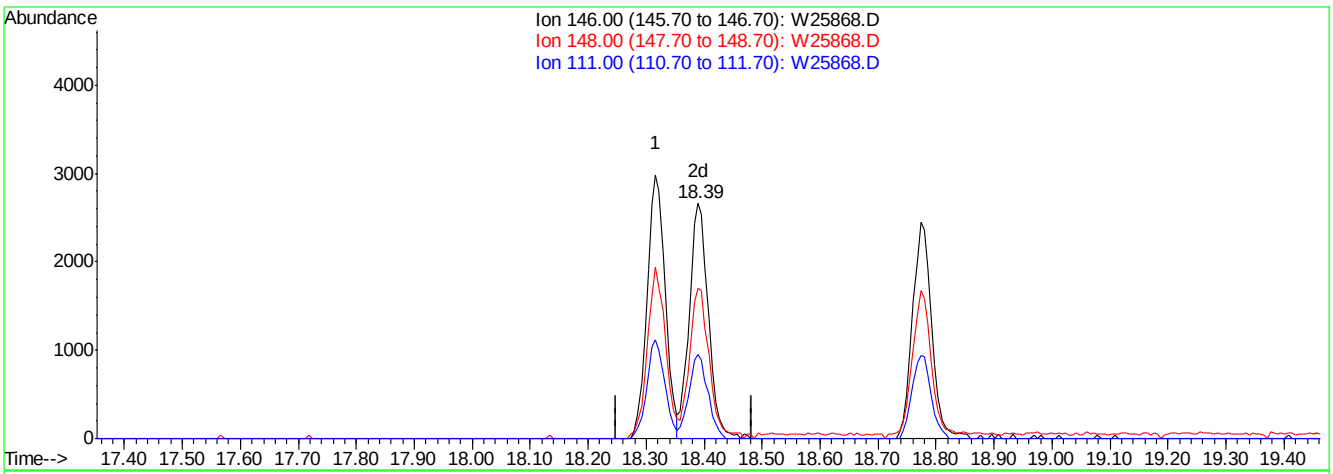
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	66.72
111.00	37.90	37.33
0.00	0.00	0.00

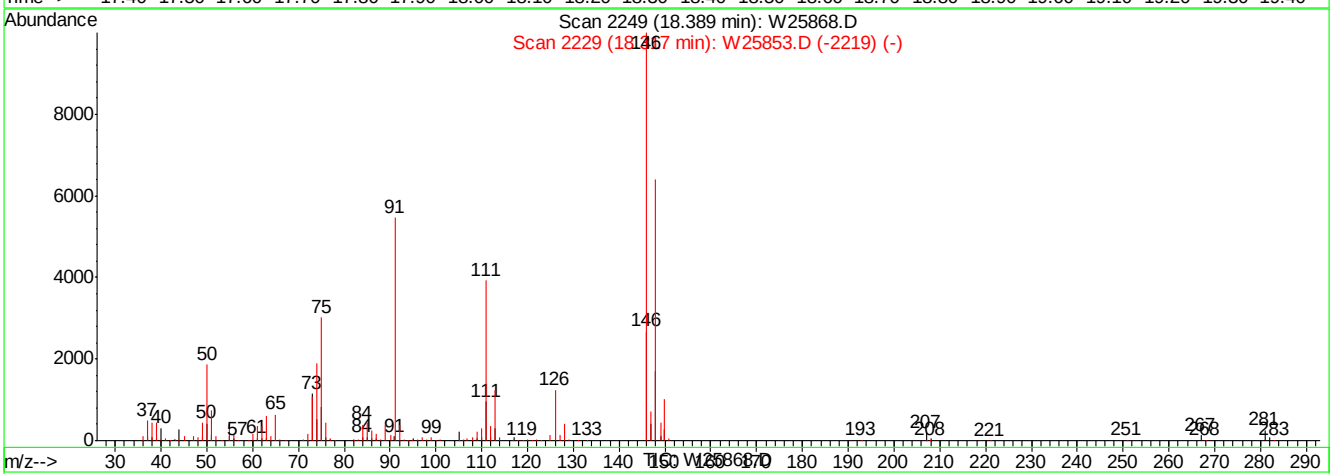
W25868.D MW1071.M Wed Apr 14 12:02:46 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.36PPBV m

response 6046

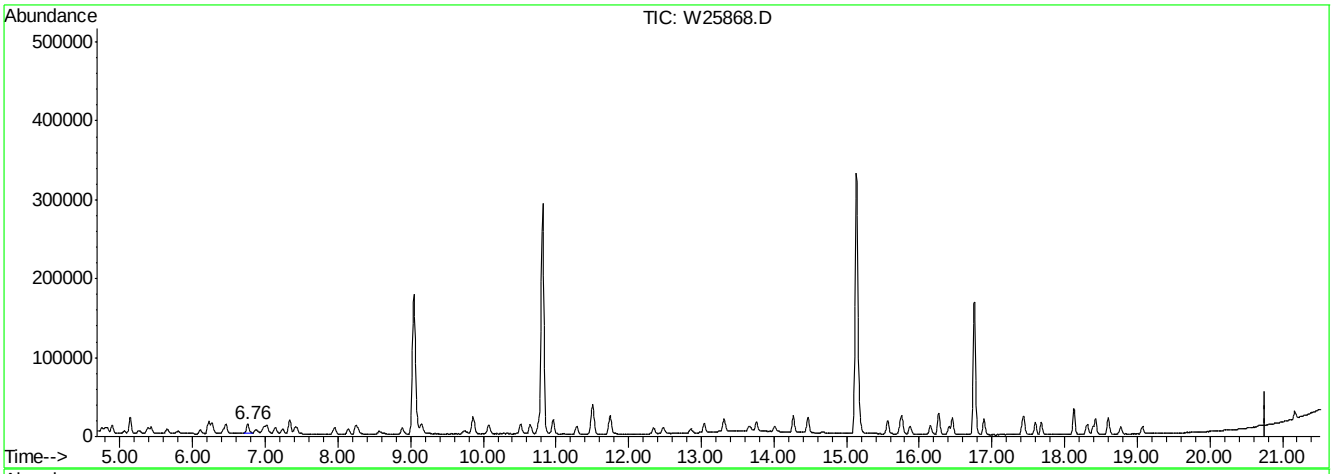
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	70.92
111.00	37.90	39.68
0.00	0.00	0.00

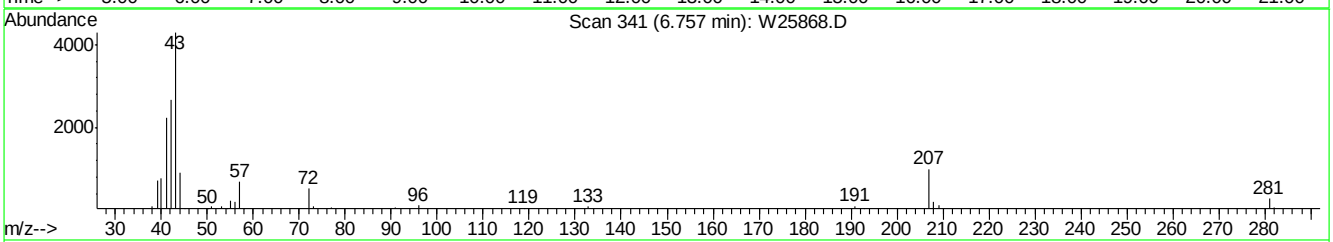
W25868.D MW1071.M Wed Apr 14 12:02:53 2010 MSW

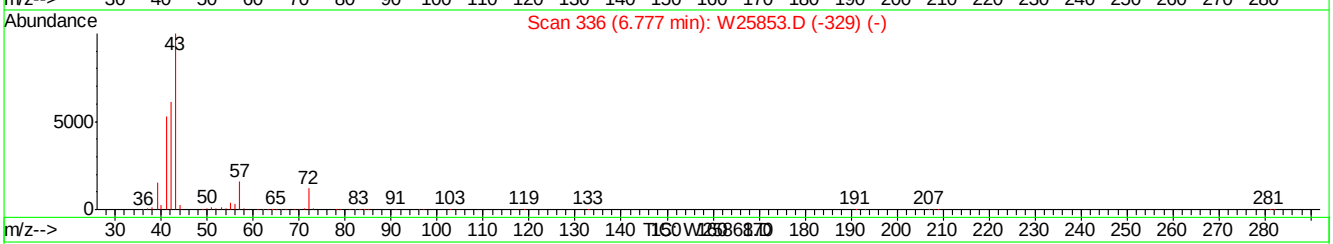
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.76min 0.45PPBV m

response 30165

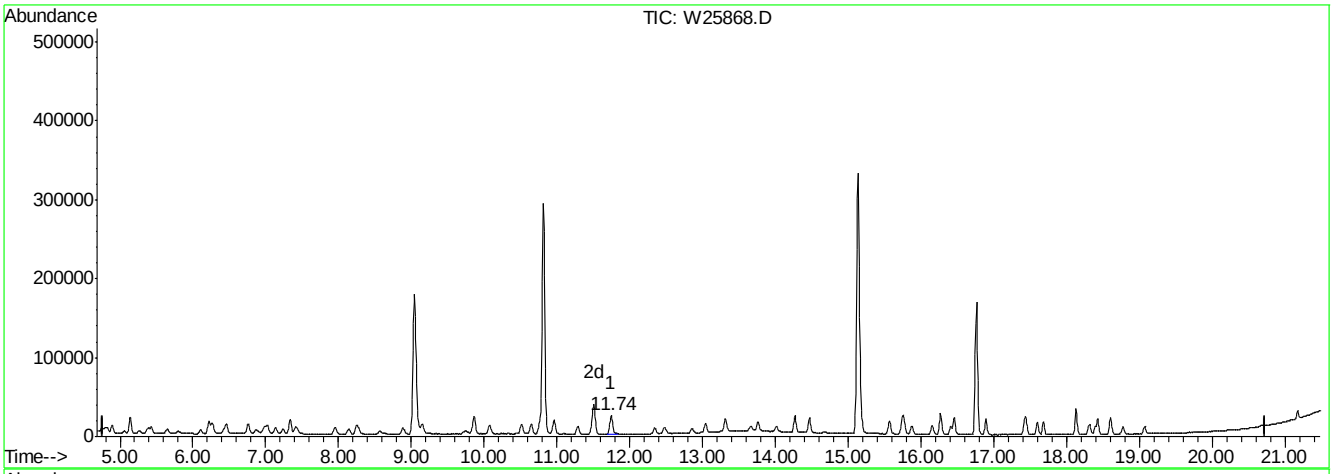
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

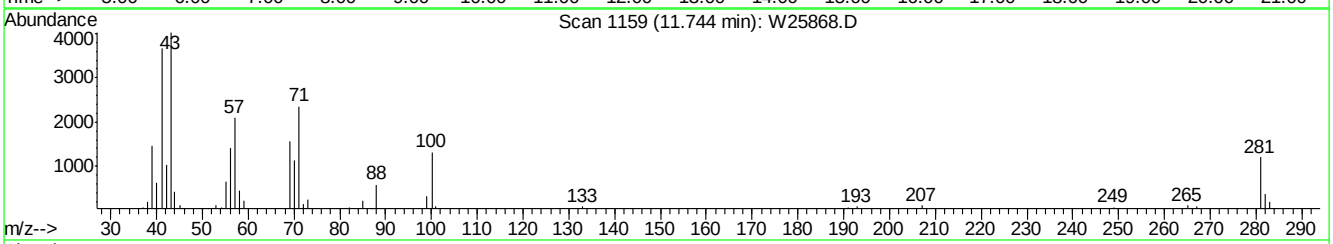
W25868.D MW1071.M Wed Apr 14 14:16:13 2010 MSW

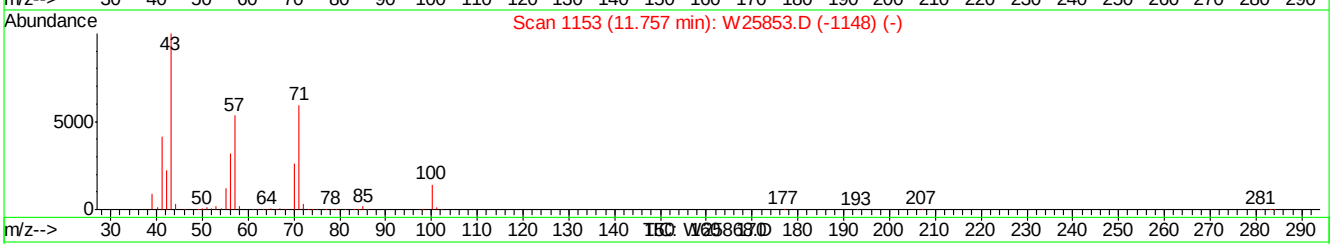
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25868.D Vial: 7
Acq On : 13 Apr 2010 12:03 pm Operator: YOUMINH
Sample : IC1071-0.5 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:02 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.74min 0.75PPBV m

response 68989

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25868.D MW1071.M Wed Apr 14 14:16:17 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/16/10 03:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	69981	10.00	PPBV		-0.05
46) 1,4-DIFLUOROBENZENE	10.80	114	336533	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.13	82	147684	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.13	82	147985	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	79611	5.14	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.78	67	663	0.27	PPBV	#	78
5) DICHLORODIFLUOROMETHANE	4.88	85	5760	0.23	PPBV		98
6) PROPYLENE	4.81	41	2166	0.23	PPBV		93
7) FREON 114	5.12	85	6291	0.23	PPBV		96
8) CHLOROMETHANE	5.05	52	715	0.24	PPBV	#	84
9) VINYL CHLORIDE	5.25	62	2531	0.23	PPBV		97
10) 1,3-BUTADIENE	5.37	54	2000	0.22	PPBV	#	62
11) n-BUTANE	5.42	43	4141	0.22	PPBV		97
12) BROMOMETHANE	5.64	94	2135	0.23	PPBV		94
13) CHLOROETHANE	5.79	64	1372	0.23	PPBV		99
14) ACROLEIN	6.27	56	817m	0.21	PPBV		
15) FREON 123	6.20	83	5538	0.24	PPBV	#	98
16) FREON 123A	6.25	117	3318	0.24	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.45	101	5792	0.23	PPBV		97
18) ISOPROPYL ALCOHOL	6.84	45	3490m	0.19	PPBV		
19) ACETONE	6.40	58	1021	0.22	PPBV	#	63
20) PENTANE	6.75	57	902	0.28	PPBV	#	80
21) TVHC as EQUIV PENTANE	6.75	TIC	12598m	0.20	PPBV		
22) IODOMETHANE	6.97	142	5709	0.23	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.01	96	2419	0.25	PPBV		98
24) CARBON DISULFIDE	7.41	76	6474	0.22	PPBV		91
25) ETHANOL	6.18	45	1136m	0.27	PPBV		
26) BROMOETHENE	6.10	106	2221	0.24	PPBV	#	99
27) METHYLENE CHLORIDE	7.12	84	2524	0.30	PPBV		94
28) 3-CHLOROPROPENE	7.22	76	1096	0.23	PPBV	#	87
29) FREON 113	7.32	151	3846	0.23	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.94	96	2425	0.23	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.40	59	4144m	0.18	PPBV		
32) METHYL TERTIARY BUTYL ETHE	8.23	73	5101	0.18	PPBV		88
33) TETRAHYDROFURAN	9.72	72	830	0.18	PPBV	#	1
34) HEXANE	9.03	57	3698	0.20	PPBV		85
35) VINYL ACETATE	8.25	86	425	0.17	PPBV	#	23
36) 1,1-DICHLOROETHANE	8.12	63	4069	0.21	PPBV		100
37) METHYL ETHYL KETONE	8.56	72	756	0.16	PPBV		94
38) cis-1,2-DICHLOROETHYLENE	8.87	96	2480	0.23	PPBV		93
39) DI-ISOPROPYL ETHER	9.06	45	6601	0.18	PPBV		97
40) ETHYL ACETATE	9.11	61	492	0.17	PPBV	#	63
41) CHLOROFORM	9.13	83	4333	0.21	PPBV		97
42) 2,4-DIMETHYLPENTANE	9.85	57	4444	0.21	PPBV		97
43) 1,1,1-TRICHLOROETHANE	10.06	97	4503	0.22	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.63	117	4679	0.22	PPBV		98
45)	1,2-DICHLOROETHANE	9.83	62	2475	0.20	PPBV		97
47)	BENZENE	10.51	78	6719	0.21	PPBV		98
48)	CYCLOHEXANE	10.75	84	3544	0.21	PPBV	#	77
49)	2,3-DIMETHYLPENTANE	10.95	71	1733	0.22	PPBV		89
50)	TRICHLOROETHYLENE	11.49	95	2837	0.21	PPBV		96
51)	1,2-DICHLOROPROPANE	11.27	63	2383	0.21	PPBV		99
52)	BROMODICHLOROMETHANE	11.46	83	4274	0.20	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.50	57	11316	0.21	PPBV		96
54)	1,4-DIOXANE	11.74	88	1239	0.19	PPBV	#	1
55)	METHYL METHACRYLATE	11.73	69	1621	0.16	PPBV	#	1
56)	HEPTANE	11.73	43	4492	0.20	PPBV		87
57)	TVHC as EQUIV HEPTANE	11.73	TIC	27796m	0.29	PPBV		
58)	METHYL ISOBUTYL KETONE	12.47	43	3465	0.16	PPBV		90
59)	cis-1,3-DICHLOROPROPENE	12.33	75	3133	0.18	PPBV		87
60)	TOLUENE	13.30	92	4365	0.20	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.84	75	2488	0.17	PPBV		87
62)	1,1,2-TRICHLOROETHANE	13.03	83	2003	0.21	PPBV		98
64)	2-HEXANONE	13.65	43	3369	0.19	PPBV		79
65)	TETRACHLOROETHYLENE	14.46	164	3032	0.24	PPBV		95
66)	DIBROMOCHLOROMETHANE	13.75	129	4098	0.23	PPBV		96
67)	1,2-DIBROMOETHANE	14.01	107	3029	0.21	PPBV		99
68)	OCTANE	14.26	43	5103	0.22	PPBV		91
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	2994	0.23	PPBV	#	95
70)	CHLOROBENZENE	15.18	112	5102	0.21	PPBV		96
71)	ETHYLBENZENE	15.56	91	7669	0.20	PPBV		99
72)	m,p-XYLENE	15.75	106	5716	0.38	PPBV		94
73)	o-XYLENE	16.26	106	2670	0.19	PPBV		98
74)	STYRENE	16.15	104	3493	0.17	PPBV		98
75)	1,2,3-TRICHLOROPROPANE	16.41	75	2884	0.20	PPBV		93
76)	NONANE	16.45	43	4294	0.21	PPBV		90
77)	BROMOFORM	15.87	173	3184	0.20	PPBV		98
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	3396	0.20	PPBV		98
80)	ISOPROPYLBENZENE	16.89	105	7594	0.19	PPBV		99
81)	2-CHLOROTOLUENE	17.41	126	1642	0.18	PPBV	#	85
82)	n-PROPYLBENZENE	17.44	120	1686	0.17	PPBV		90
83)	4-ETHYLTOLUENE	17.60	105	5277	0.16	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	4762m	0.15	PPBV		
85)	TERT-BUTYLBENZENE	18.12	134	1324	0.18	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	4013	0.16	PPBV	#	79
87)	m-DICHLOROBENZENE	18.32	146	2516	0.16	PPBV		92
88)	BENZYL CHLORIDE	18.30	91	1992	0.12	PPBV		95
89)	p-DICHLOROBENZENE	18.39	146	2401m	0.16	PPBV		
90)	SEC-BUTYLBENZENE	18.43	134	1374	0.17	PPBV	#	96
91)	p-ISOPROPYLTOLUENE	18.60	134	1222	0.16	PPBV		95
92)	o-DICHLOROBENZENE	18.77	146	2198	0.17	PPBV		88
93)	n-BUTYLBENZENE	19.07	134	650	0.11	PPBV		94
94)	HEXACHLOROBUTADIENE	21.17	225	1037	0.27	PPBV		87
95)	1,2,4-TRICHLOROBENZENE	20.69	180	512	0.16	PPBV	#	65

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16:14 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

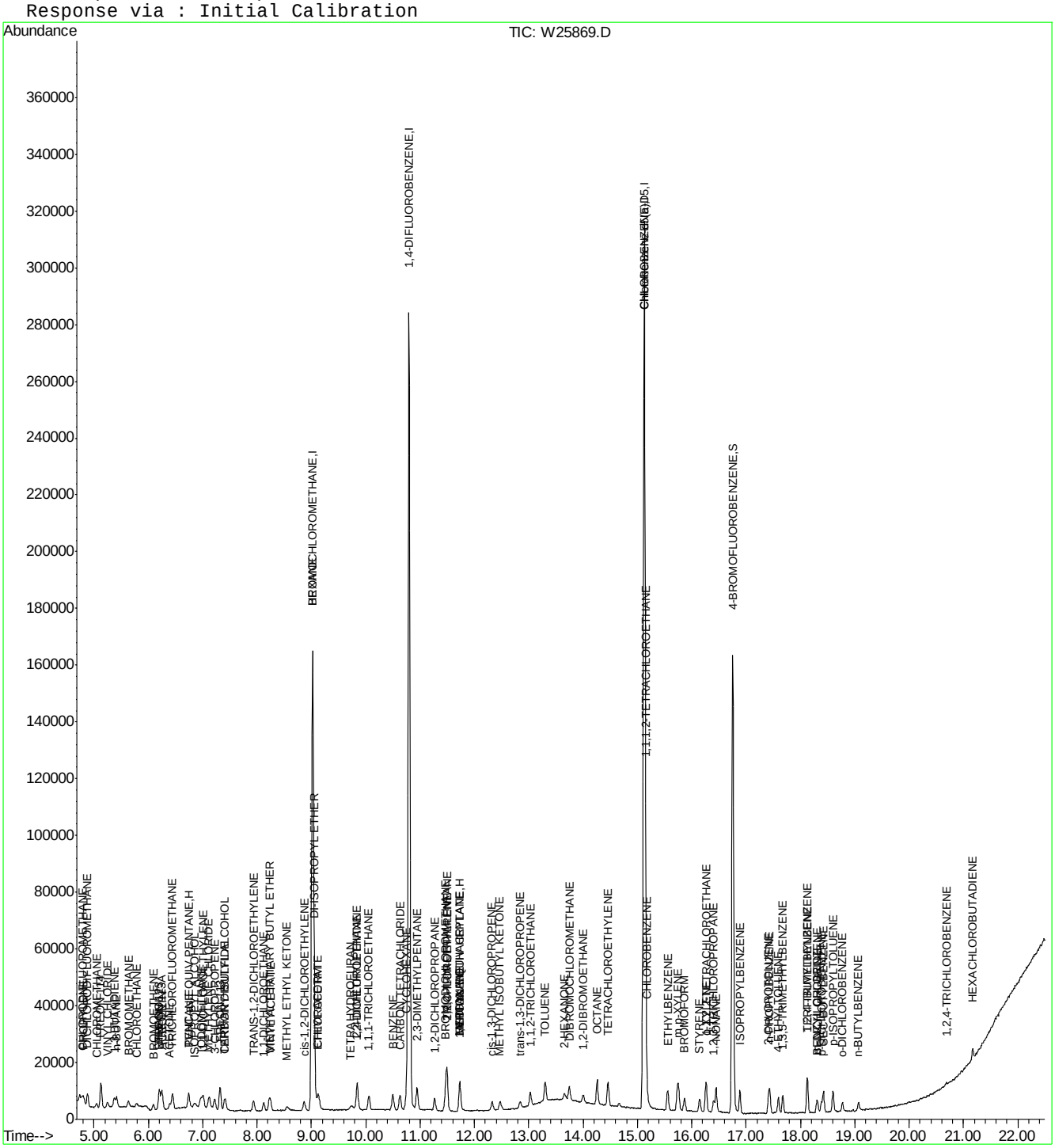
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

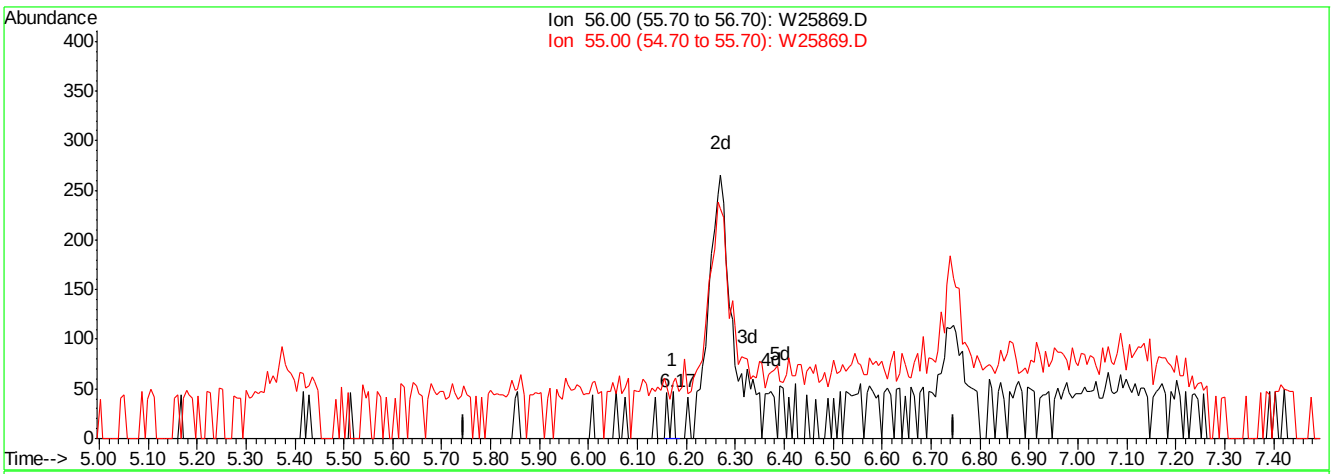


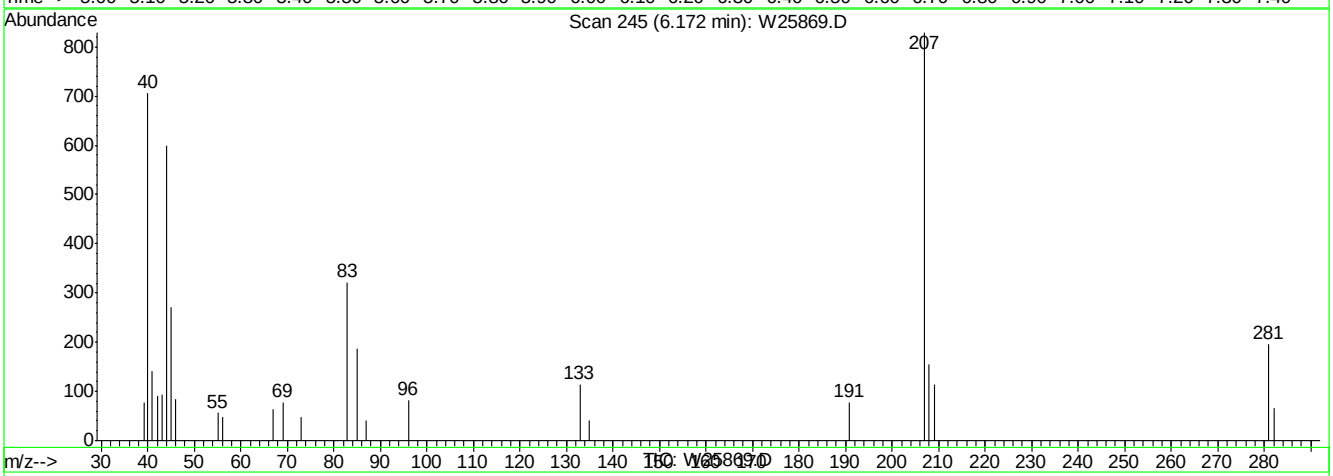
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(14) ACROLEIN

6.17min 0.01PPBV

response 34

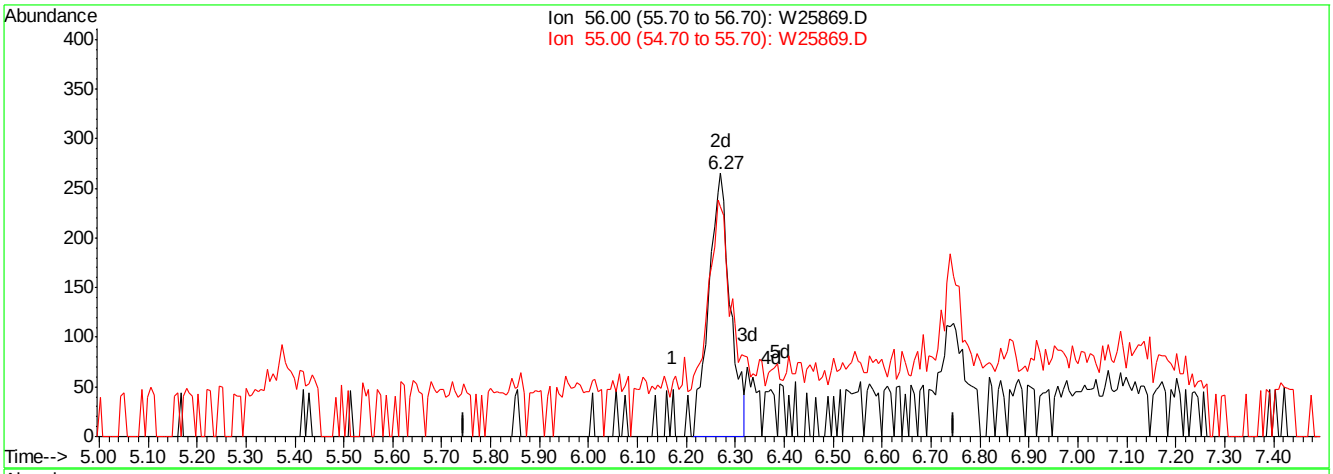
Ion	Exp%	Act%
56.00	100	100
55.00	67.50	76.47
0.00	0.00	0.00
0.00	0.00	0.00

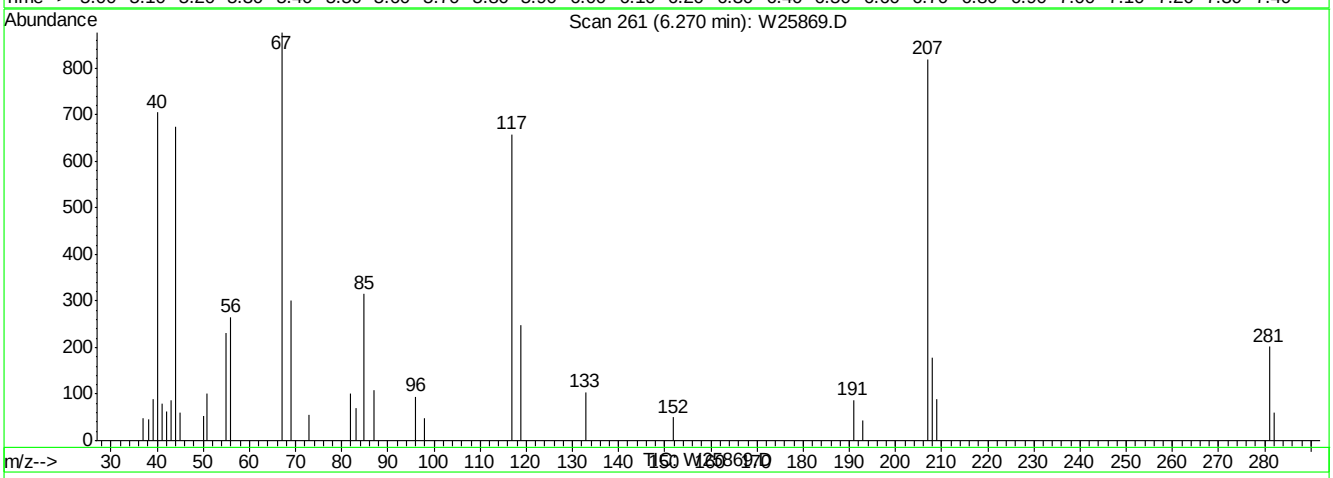
W25869.D MW1071.M Tue Apr 13 13:16:40 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(14) ACROLEIN

6.27min 0.21PPBV m

response 817

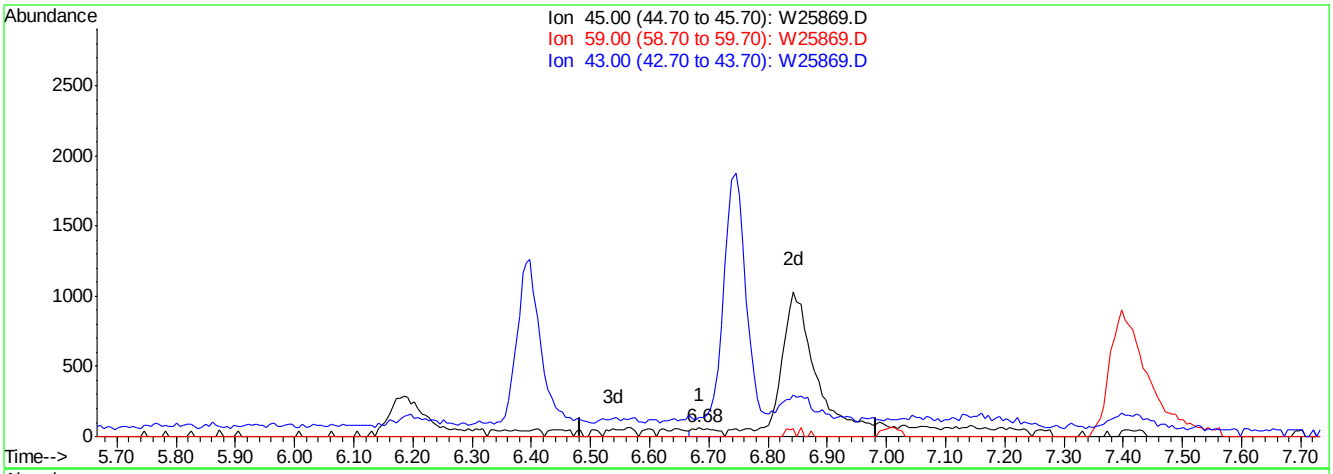
Ion	Exp%	Act%
56.00	100	100
55.00	67.50	3.18#
0.00	0.00	0.00
0.00	0.00	0.00

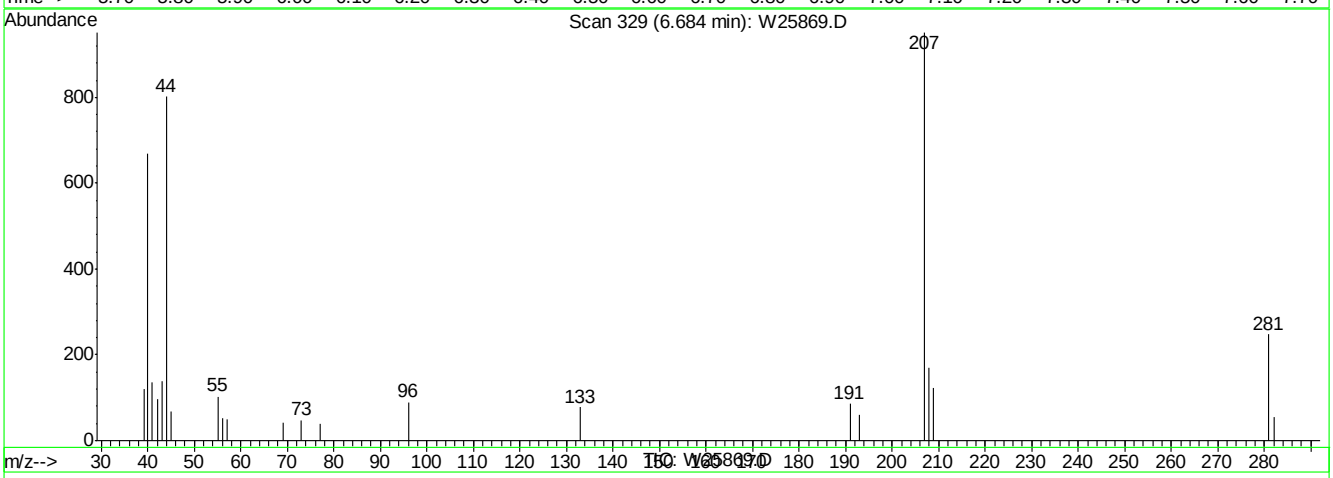
W25869.D MW1071.M Tue Apr 13 13:16:47 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(18) ISOPROPYL ALCOHOL

6.68min 0.01PPBV

response 168

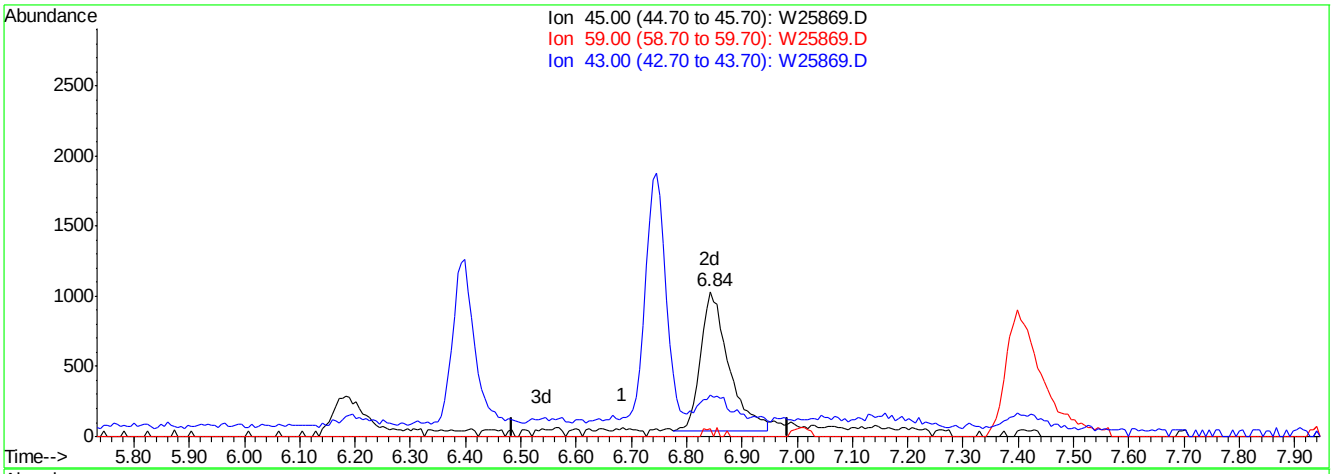
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	0.00
43.00	53.90	207.46#
0.00	0.00	0.00

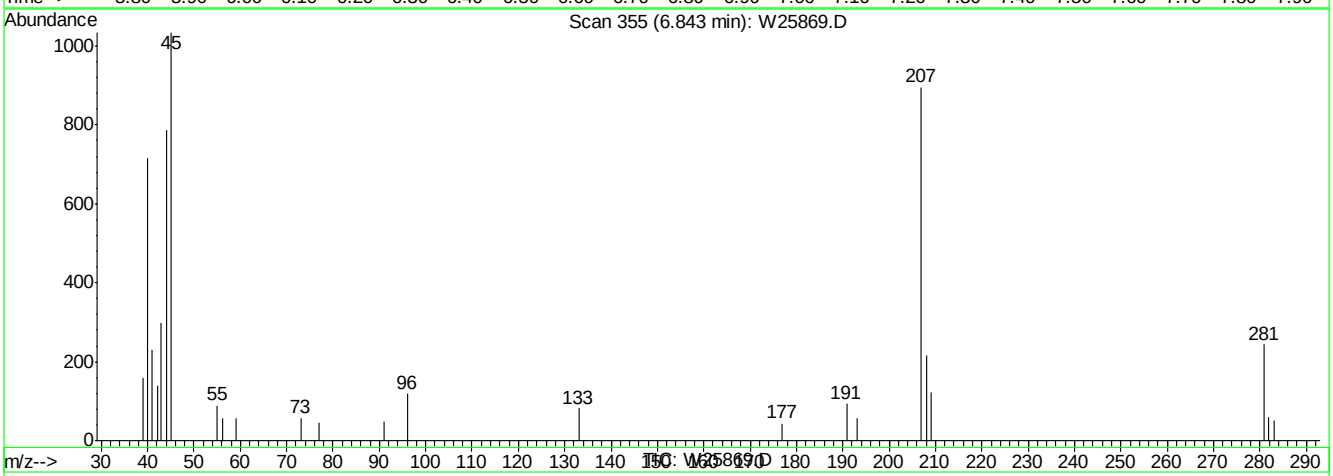
W25869.D MW1071.M Tue Apr 13 13:16:52 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:16 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(18) ISOPROPYL ALCOHOL

6.84min 0.19PPBV m

response 3490

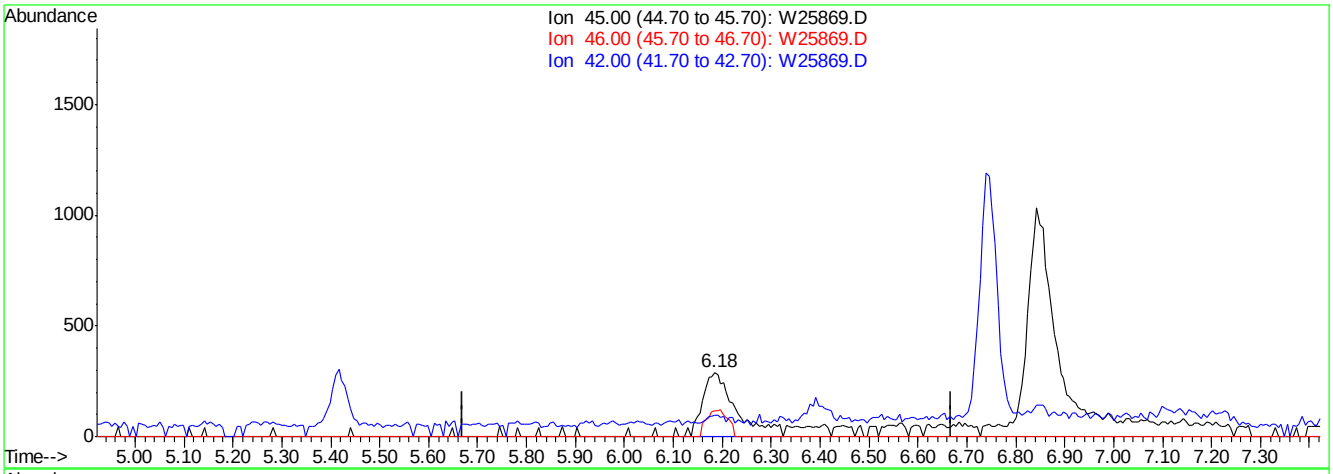
Ion	Exp%	Act%
45.00	100	100
59.00	4.70	5.61
43.00	53.90	28.92#
0.00	0.00	0.00

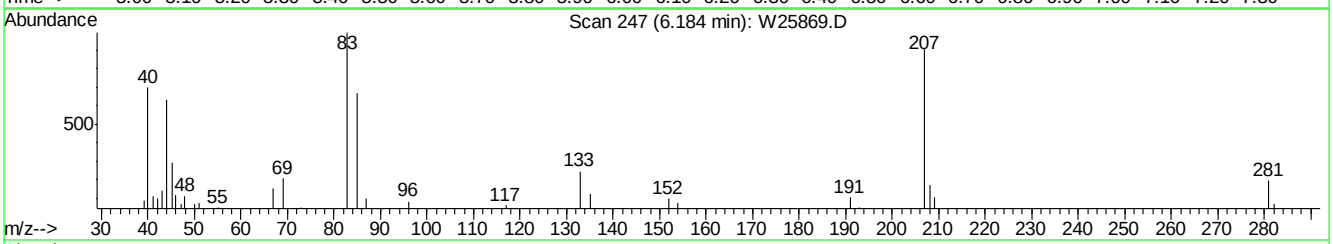
W25869.D MW1071.M Tue Apr 13 13:17:01 2010 MSW

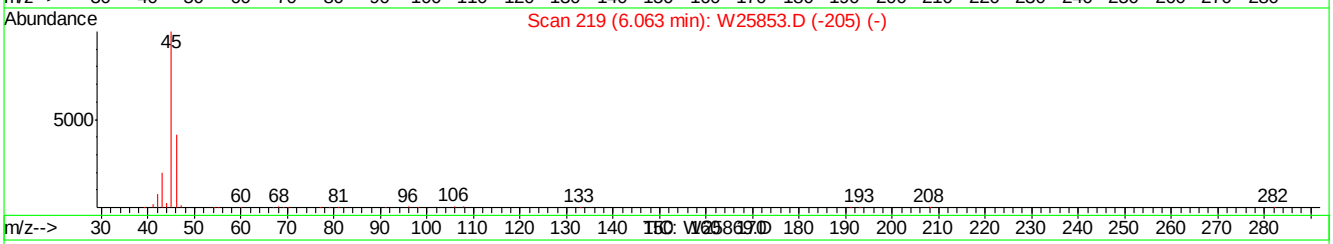
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration







(25) ETHANOL

6.18min 0.33PPBV

response 1382

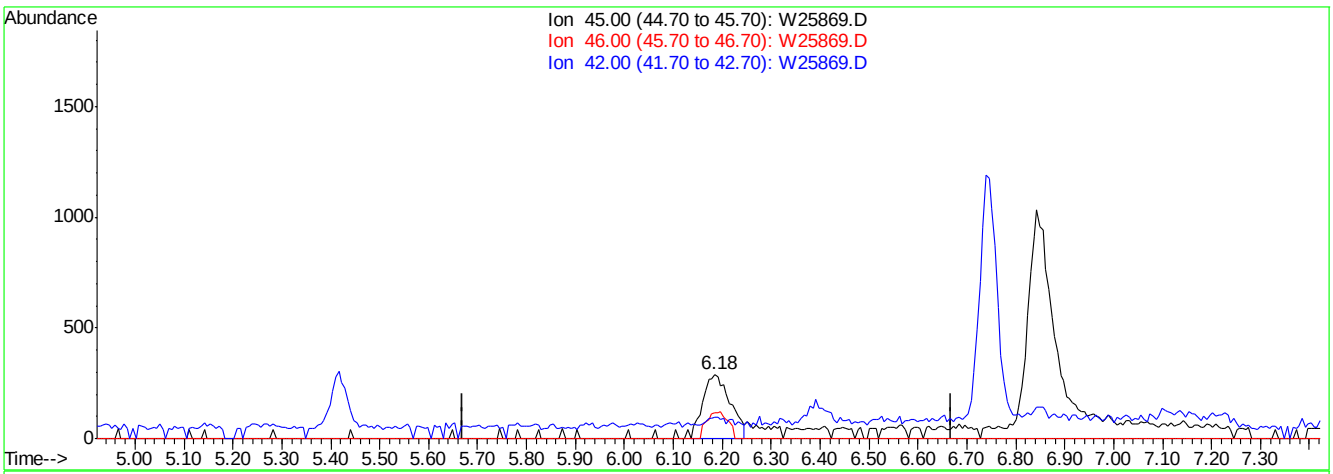
Ion	Exp%	Act%
45.00	100	100
46.00	41.70	26.48
42.00	6.60	10.93
0.00	0.00	0.00

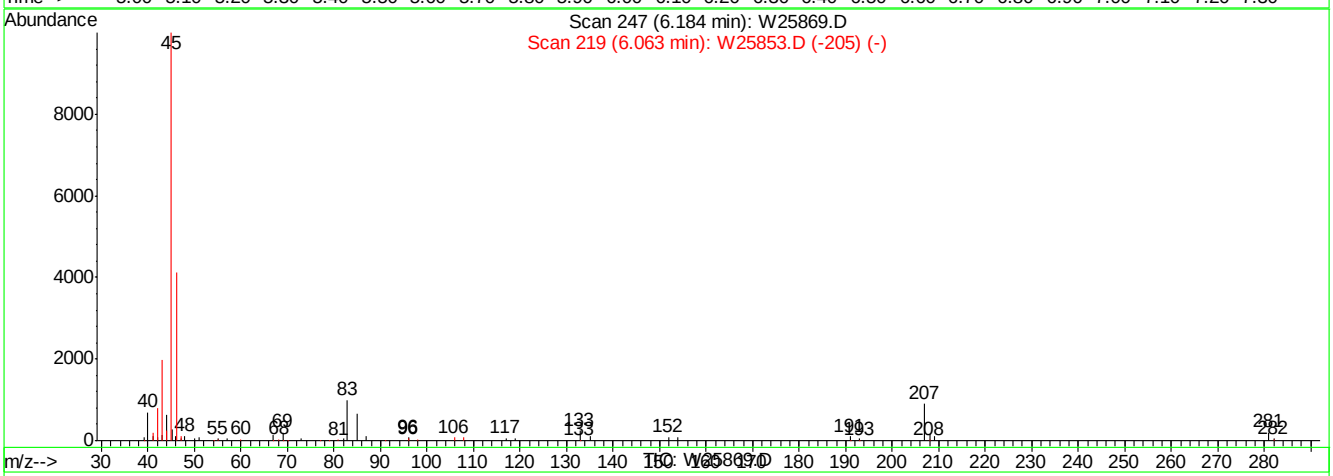
W25869.D MW1071.M Tue Apr 13 13:18:23 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Single Level Calibration





(25) ETHANOL

6.18min 0.27PPBV m

response 1136

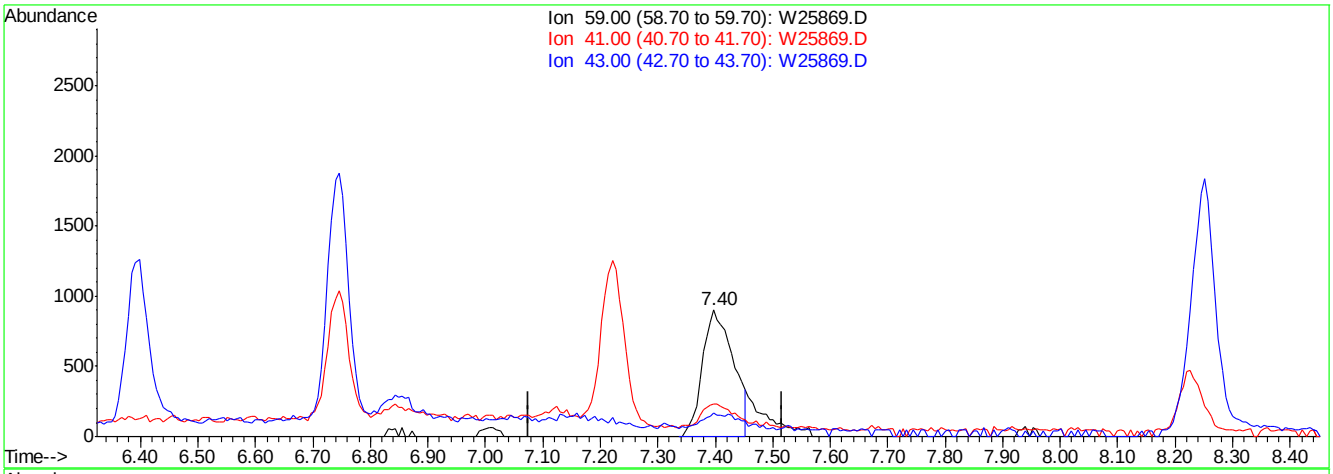
Ion	Exp%	Act%
45.00	100	100
46.00	41.70	32.22
42.00	6.60	13.29
0.00	0.00	0.00

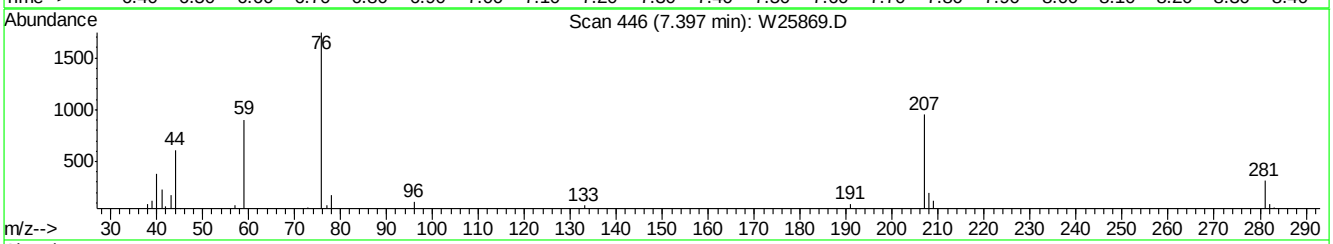
W25869.D MW1071.M Tue Apr 13 13:18:33 2010 MSW

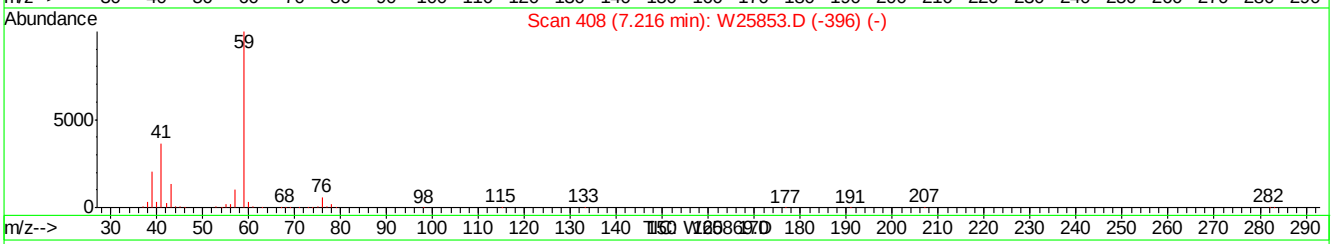
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.40min 0.15PPBV

response 3374

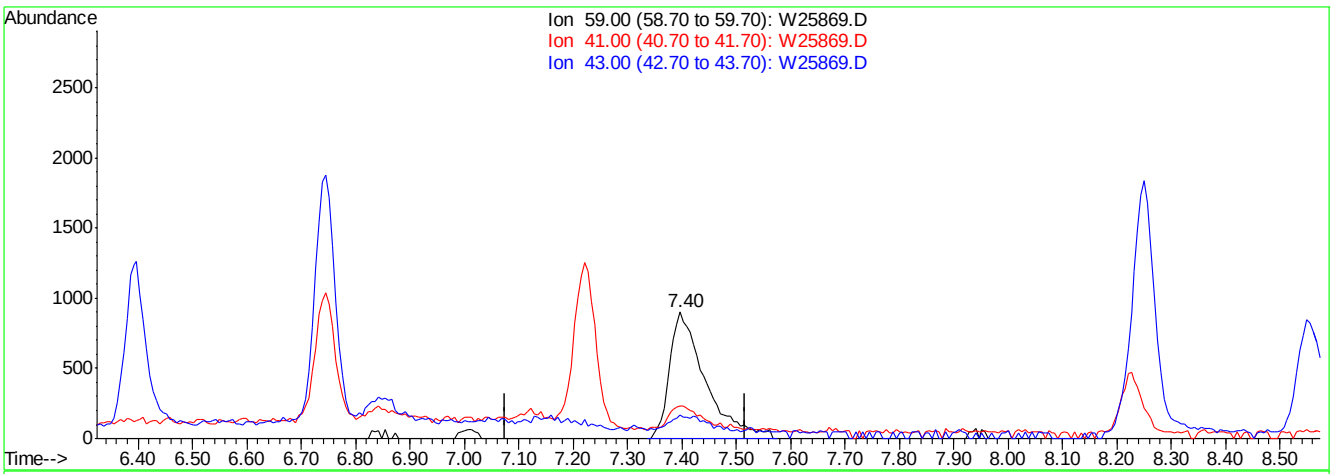
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	19.12
43.00	11.40	13.04
0.00	0.00	0.00

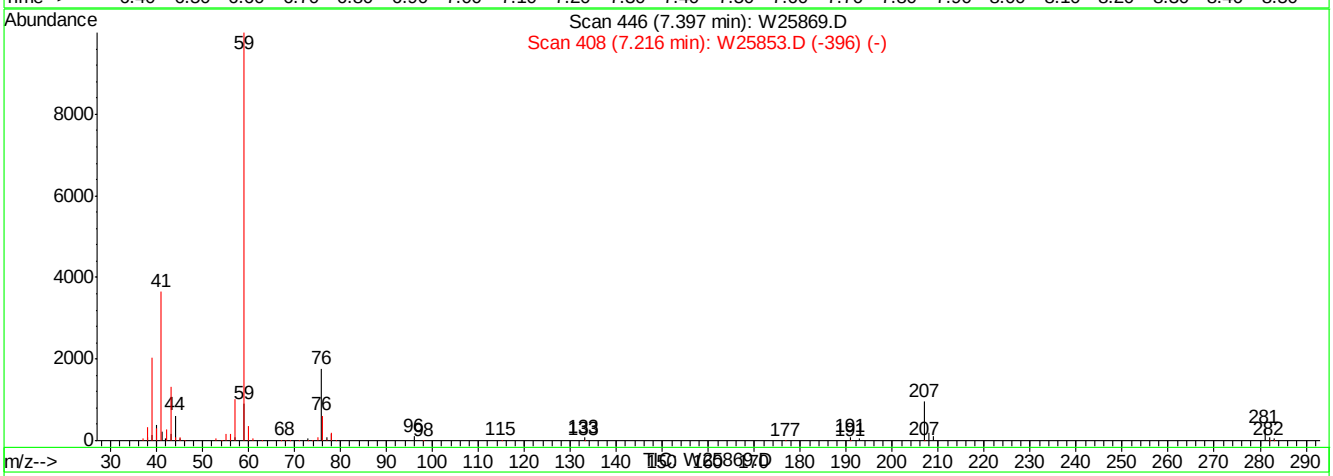
W25869.D MW1071.M Tue Apr 13 13:18:38 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 13 12:52:43 2010
Response via : Multiple Level Calibration





(31) TERTIARY BUTYL ALCOHOL

7.40min 0.18PPBV m

response 4144

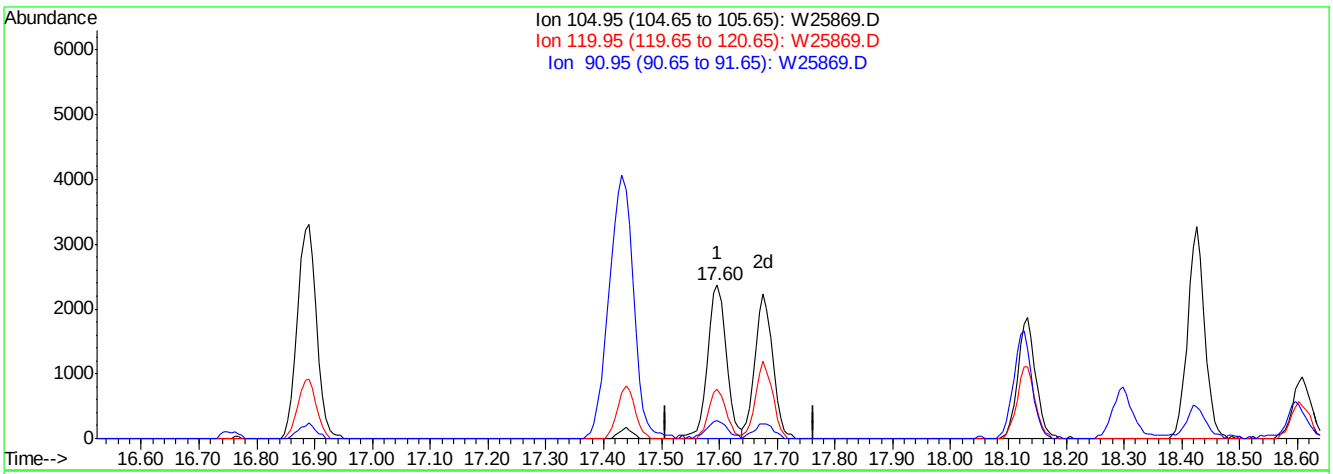
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	15.56
43.00	11.40	10.62
0.00	0.00	0.00

W25869.D MW1071.M Tue Apr 13 13:18:43 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 13 13:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration



(84) 1,3,5-TRIMETHYLBENZENE

17.60min 0.17PPBV

response 5331

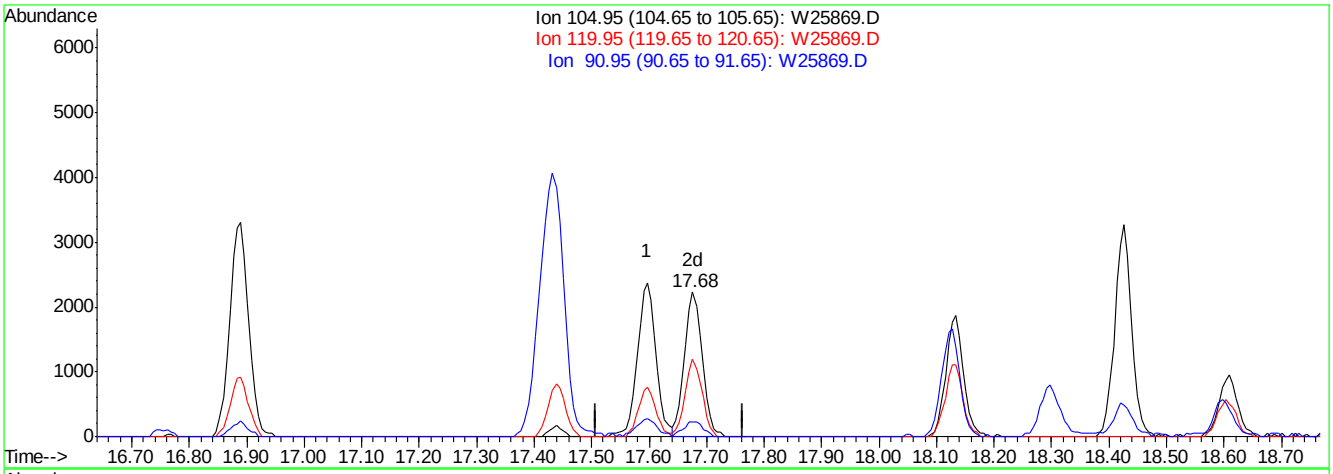
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	30.39
90.95	9.70	13.26
0.00	0.00	0.00

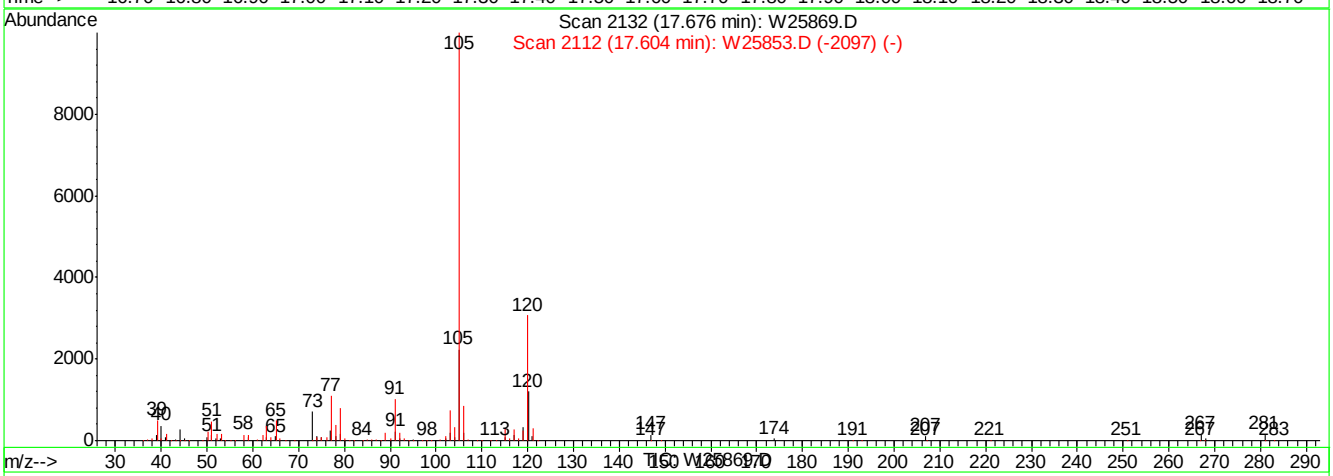
W25869.D MW1071.M Wed Apr 14 11:48:20 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:21:58 2010
Response via : Multiple Level Calibration





(84) 1,3,5-TRIMETHYLBENZENE

17.68min 0.15PPBV m

response 4762

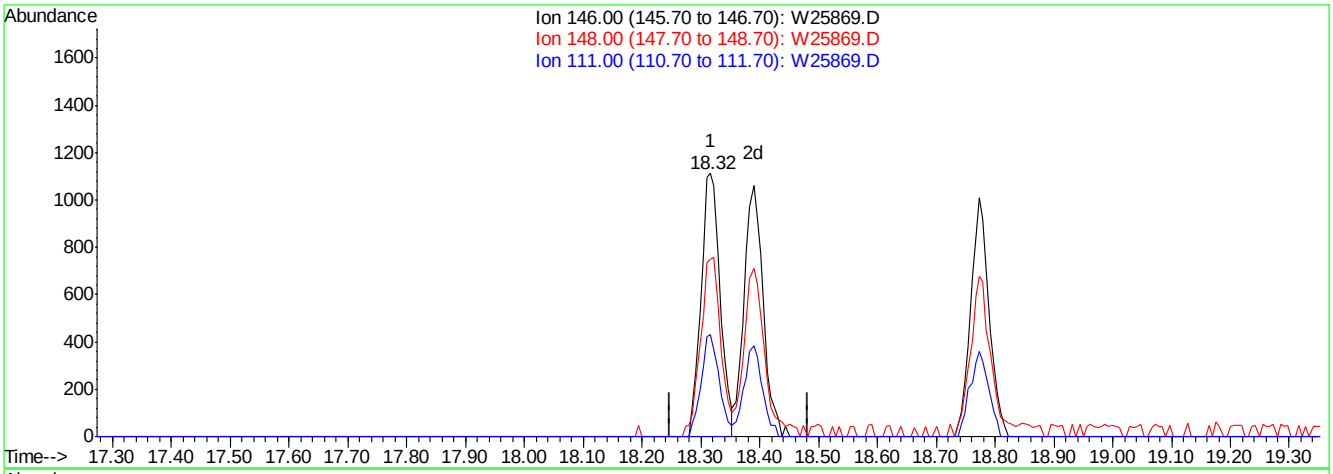
Ion	Exp%	Act%
104.95	100	100
119.95	50.10	34.02
90.95	9.70	14.85
0.00	0.00	0.00

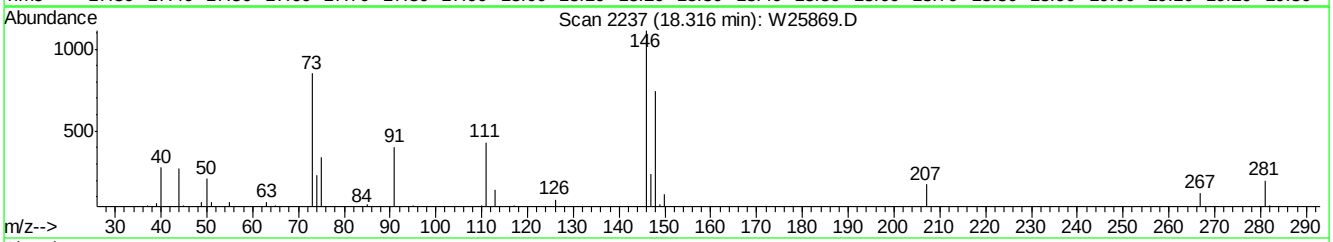
W25869.D MW1071.M Wed Apr 14 11:48:26 2010 MSW

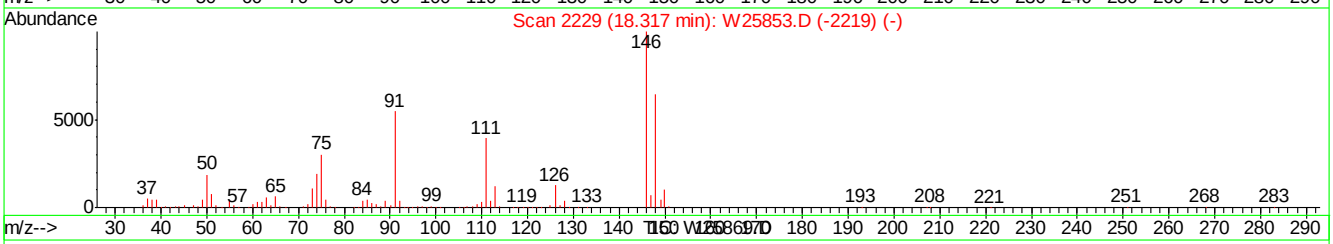
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 11:48 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration







(89) p-DICHLOROBENZENE

18.32min 0.16PPBV

response 2516

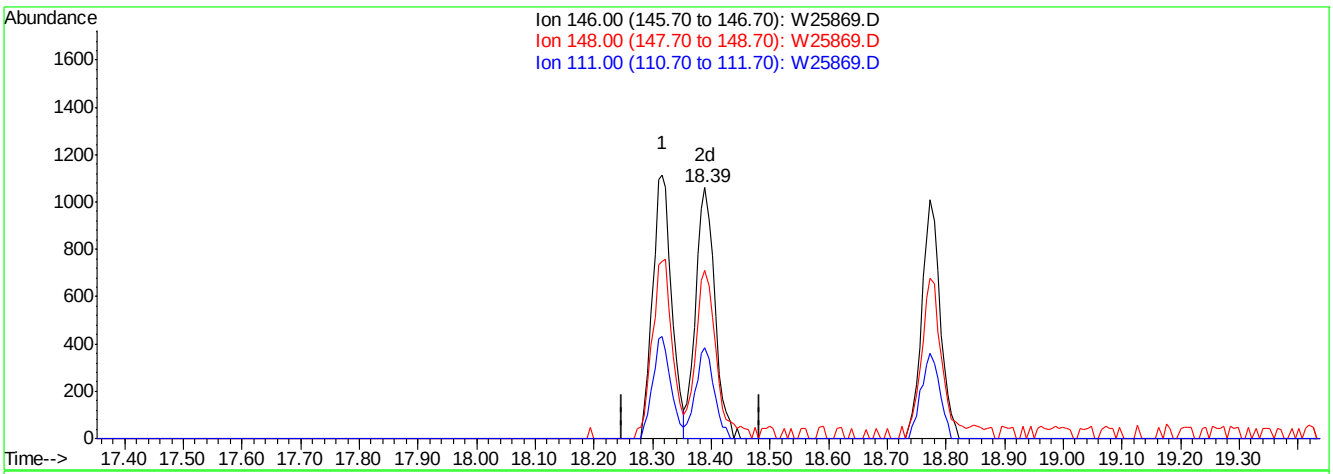
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	72.02
111.00	37.90	37.16
0.00	0.00	0.00

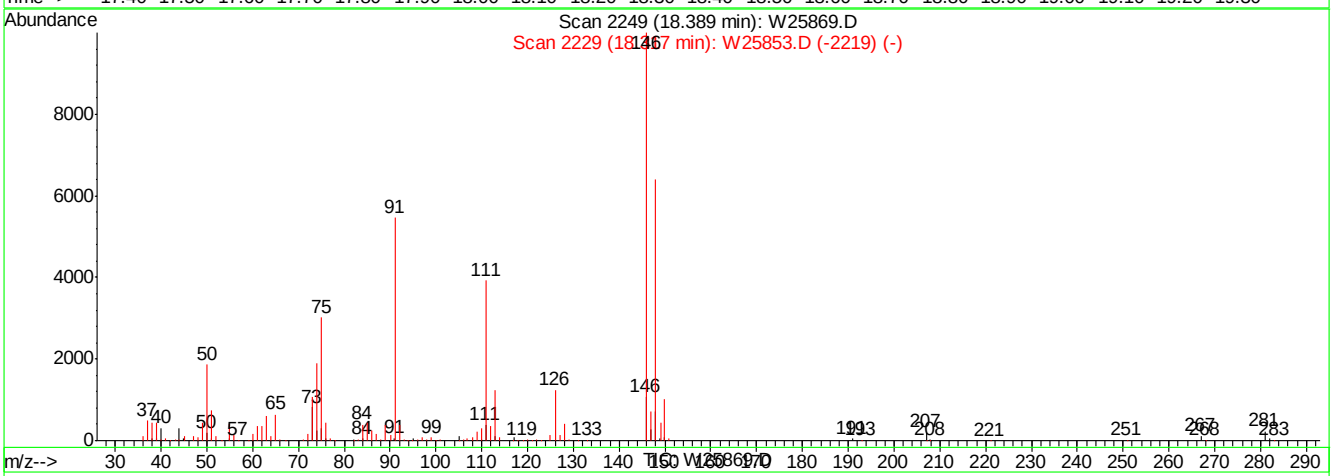
W25869.D MW1071.M Wed Apr 14 12:03:01 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 11:50:26 2010
Response via : Multiple Level Calibration





(89) p-DICHLOROBENZENE

18.39min 0.16PPBV m

response 2401

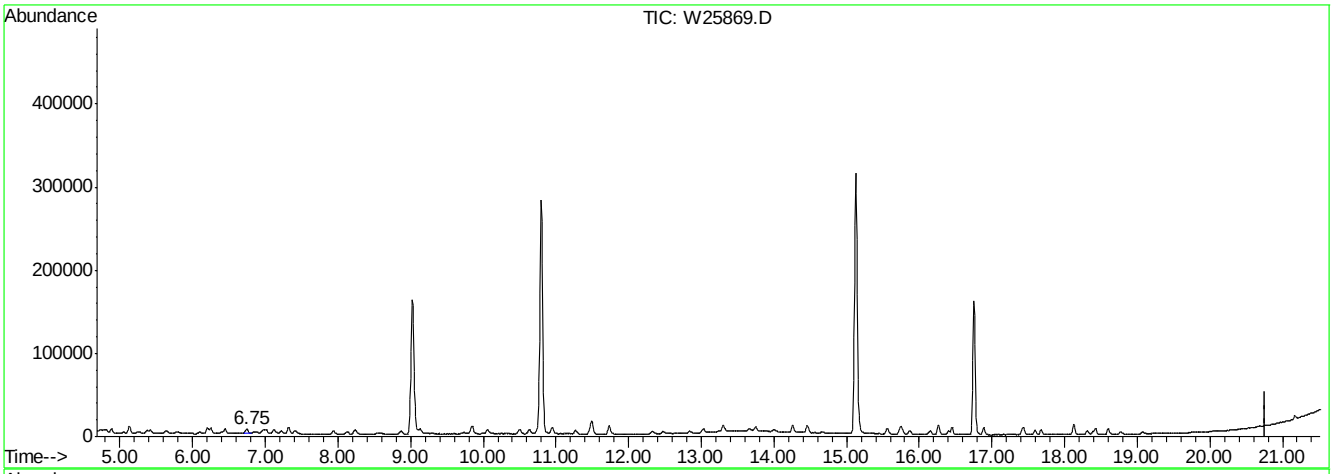
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	75.47
111.00	37.90	38.94
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 12:03:10 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration



(21) TVHC as EQUIV PENTANE (H)

6.75min 0.20PPBV m

response 12598

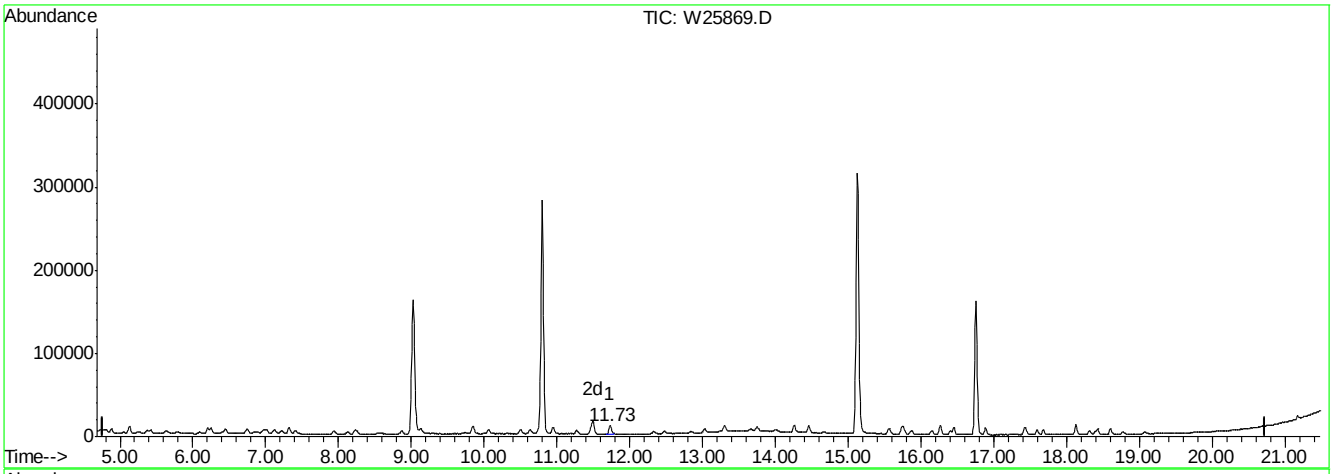
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 14:16:23 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25869.D Vial: 8
Acq On : 13 Apr 2010 12:44 pm Operator: YOUMINH
Sample : IC1071-0.2 Inst : MSW
Misc : MS49009,VW1071,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:03 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.73min 0.29PPBV m

response 27796

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25869.D MW1071.M Wed Apr 14 14:16:27 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.03	128	77201	10.00	PPBV		-0.03
46) 1,4-DIFLUOROBENZENE	10.81	114	396648	10.00	PPBV		-0.03
63) CHLOROBENZENE-D5	15.13	82	194063	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.13	82	194063	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.76	95	115391	5.65	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 113.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.77	67	25651	8.97	PPBV		100
5) DICHLORODIFLUOROMETHANE	4.87	85	259228	9.10	PPBV		99
6) PROPYLENE	4.80	41	91658	8.79	PPBV		99
7) FREON 114	5.12	85	255398	8.18	PPBV		92
8) CHLOROMETHANE	5.03	52	30925	9.18	PPBV		97
9) VINYL CHLORIDE	5.23	62	113714	9.28	PPBV		100
10) 1,3-BUTADIENE	5.36	54	89322	8.80	PPBV		96
11) n-BUTANE	5.40	43	178471	8.46	PPBV		99
12) BROMOMETHANE	5.62	94	95511	9.29	PPBV		100
13) CHLOROETHANE	5.76	64	62996	9.33	PPBV		99
14) ACROLEIN	6.22	56	42953	10.08	PPBV		98
15) FREON 123	6.19	83	241357	9.09	PPBV	#	100
16) FREON 123A	6.24	117	144730	9.28	PPBV		95
17) TRICHLOROFLUOROMETHANE	6.43	101	256447	9.14	PPBV		100
18) ISOPROPYL ALCOHOL	6.65	45	188388	9.56	PPBV		99
19) ACETONE	6.35	58	47398	9.16	PPBV	#	90
20) PENTANE	6.74	57	32788	8.76	PPBV	#	92
21) TVHC as EQUIV PENTANE	6.74	TIC	593572m	8.52	PPBV		
22) IODOMETHANE	6.95	142	267460	9.59	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.00	96	98581	8.89	PPBV		93
24) CARBON DISULFIDE	7.40	76	273717	8.19	PPBV		97
25) ETHANOL	6.03	45	43107	8.78	PPBV		99
26) BROMOETHENE	6.08	106	100956	9.50	PPBV		99
27) METHYLENE CHLORIDE	7.10	84	89189	8.85	PPBV		95
28) 3-CHLOROPROPENE	7.21	76	53740	9.93	PPBV	#	85
29) FREON 113	7.32	151	164560	8.77	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.93	96	101950	8.48	PPBV		93
31) TERTIARY BUTYL ALCOHOL	7.18	59	234974	9.46	PPBV	#	96
32) METHYL TERTIARY BUTYL ETHE	8.20	73	267961	8.87	PPBV		97
33) TETRAHYDROFURAN	9.60	72	48167	9.59	PPBV	#	90
34) HEXANE	9.03	57	168771	8.43	PPBV		96
35) VINYL ACETATE	8.24	86	27086	9.97	PPBV	#	79
36) 1,1-DICHLOROETHANE	8.12	63	181078	8.52	PPBV		99
37) METHYL ETHYL KETONE	8.53	72	48464	9.78	PPBV	#	88
38) cis-1,2-DICHLOROETHYLENE	8.87	96	105579	8.65	PPBV		94
39) DI-ISOPROPYL ETHER	9.06	45	334230	8.54	PPBV		98
40) ETHYL ACETATE	9.10	61	29349	9.19	PPBV	#	88
41) CHLOROFORM	9.15	83	194333	8.65	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.85	57	205965	8.64	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.07	97	196349	8.57	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.64	117	204628	8.61	PPBV		100
45)	1,2-DICHLOROETHANE	9.84	62	120653	8.70	PPBV		99
47)	BENZENE	10.51	78	322198	8.56	PPBV		99
48)	CYCLOHEXANE	10.76	84	153454	7.79	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.95	71	78946	8.30	PPBV		96
50)	TRICHLOROETHYLENE	11.50	95	130427	8.29	PPBV		96
51)	1,2-DICHLOROPROPANE	11.29	63	111750	8.27	PPBV		100
52)	BROMODICHLOROMETHANE	11.47	83	207554	8.30	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	548440	8.53	PPBV		99
54)	1,4-DIOXANE	11.57	88	69357	8.93	PPBV		94
55)	METHYL METHACRYLATE	11.68	69	104221	9.05	PPBV		93
56)	HEPTANE	11.74	43	193233	7.25	PPBV		94
57)	TVHC as EQUIV HEPTANE	11.74	TIC	866380m	7.09	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	213433	8.66	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.33	75	168458	8.34	PPBV		95
60)	TOLUENE	13.30	92	230189	8.87	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.84	75	164218	9.78	PPBV		96
62)	1,1,2-TRICHLOROETHANE	13.04	83	99370	8.63	PPBV		99
64)	2-HEXANONE	13.59	43	208560	9.07	PPBV		97
65)	TETRACHLOROETHYLENE	14.46	164	152010	8.87	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.76	129	218805	9.09	PPBV		100
67)	1,2-DIBROMOETHANE	14.01	107	180968	9.38	PPBV		100
68)	OCTANE	14.26	43	252037	8.22	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.16	131	153656	8.69	PPBV	#	100
70)	CHLOROBENZENE	15.18	112	288146	8.84	PPBV		97
71)	ETHYLBENZENE	15.56	91	462040	9.09	PPBV		99
72)	m,p-XYLENE	15.76	106	366635	18.82	PPBV		97
73)	o-XYLENE	16.27	106	175532	9.53	PPBV		96
74)	STYRENE	16.15	104	268063	10.11	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.41	75	168160	8.90	PPBV		98
76)	NONANE	16.46	43	242080	8.89	PPBV		96
77)	BROMOFORM	15.88	173	199139	9.36	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.27	83	206734	9.28	PPBV		99
80)	ISOPROPYLBENZENE	16.89	105	495920	9.56	PPBV		99
81)	2-CHLOROTOLUENE	17.42	126	117713	9.95	PPBV	#	91
82)	n-PROPYLBENZENE	17.44	120	133498	10.47	PPBV		96
83)	4-ETHYLTOLUENE	17.60	105	450289	10.77	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	358279	10.18	PPBV		80
85)	TERT-BUTYLBENZENE	18.13	134	93816	10.05	PPBV		97
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	347409	10.82	PPBV		99
87)	m-DICHLOROBENZENE	18.32	146	219687	11.12	PPBV		99
88)	BENZYL CHLORIDE	18.30	91	260987	12.30	PPBV		98
89)	p-DICHLOROBENZENE	18.39	146	213680	11.42	PPBV		94
90)	SEC-BUTYLBENZENE	18.43	134	109596	10.60	PPBV		97
91)	p-ISOPROPYLTOLUENE	18.60	134	109377	11.26	PPBV		98
92)	o-DICHLOROBENZENE	18.77	146	188333	11.03	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	87456	11.99	PPBV		95
94)	HEXACHLOROBUTADIENE	21.17	225	63501	12.08	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.68	180	54826	13.57	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:06:10 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

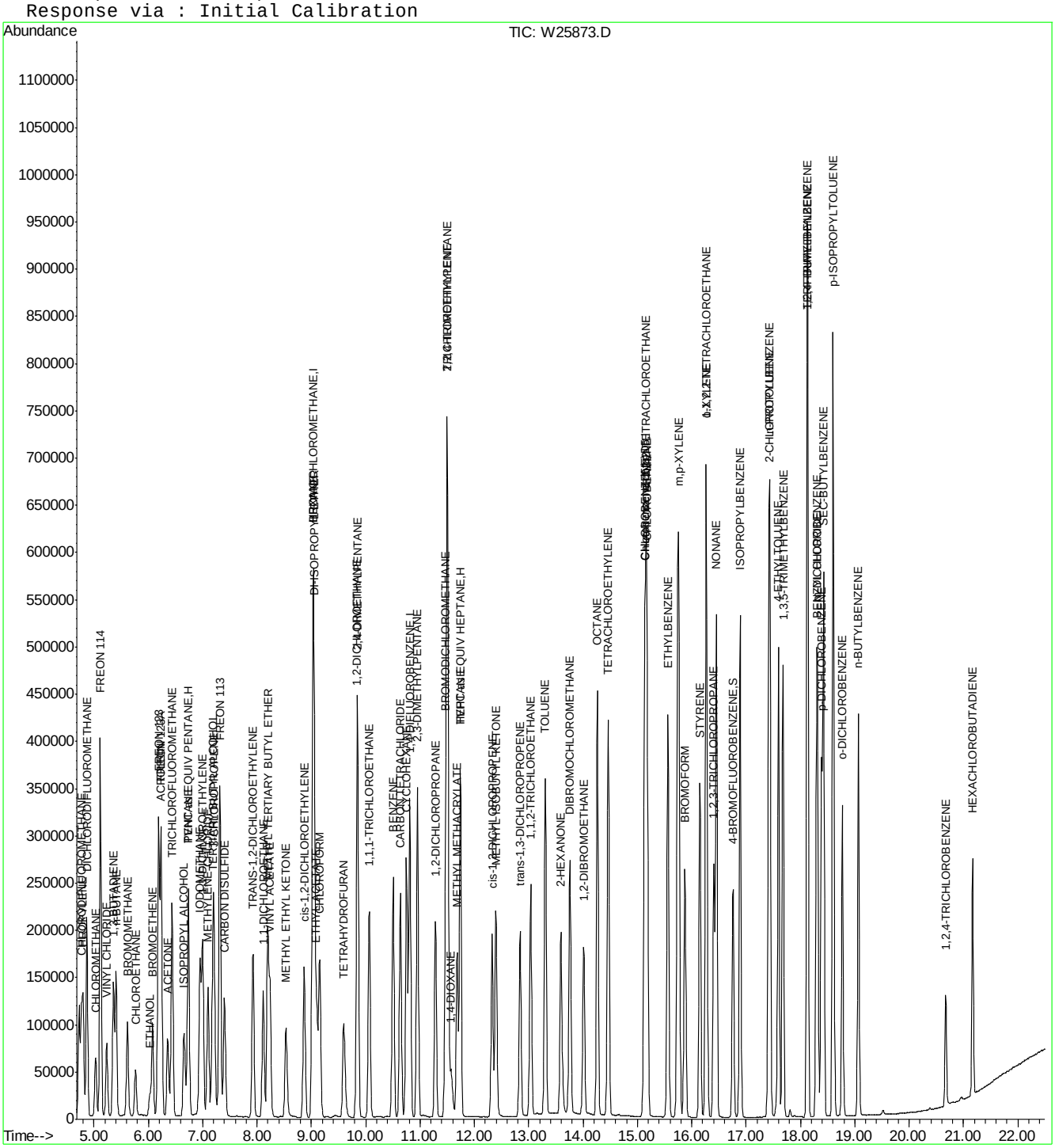
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Initial Calibration

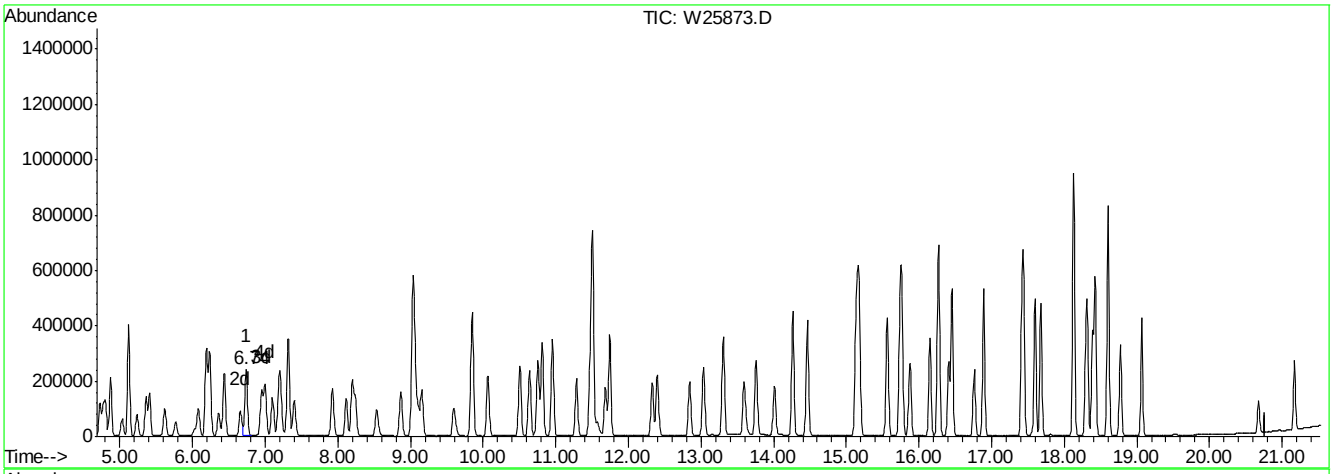


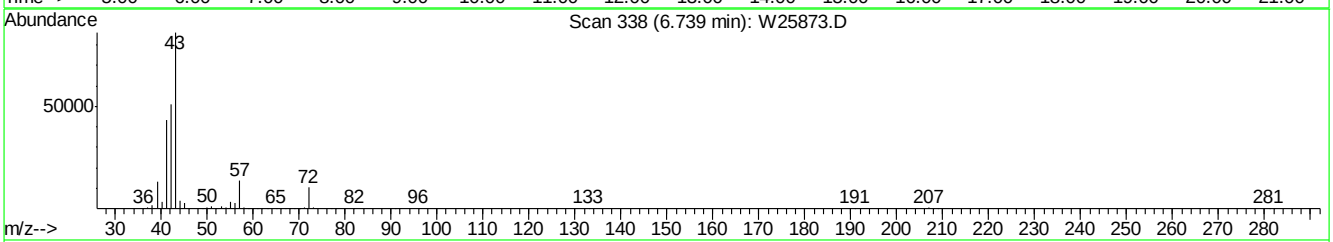
ACCUTEST JA45152 Laboratories

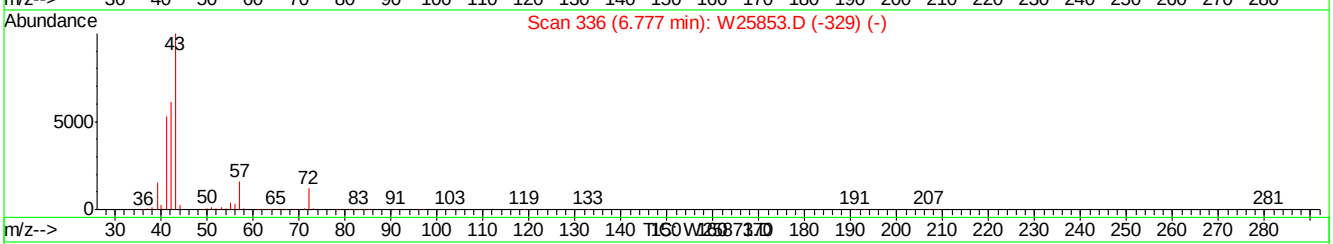
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.74min 8.52PPBV m

response 593572

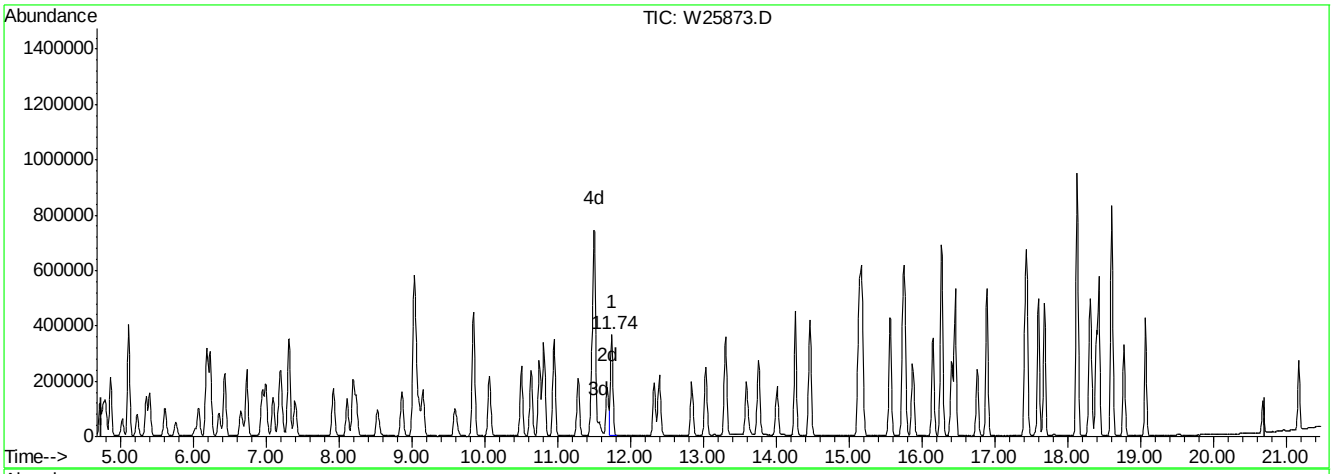
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25873.D MW1071.M Wed Apr 14 12:07:56 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25873.D Vial: 3
Acq On : 13 Apr 2010 4:27 pm Operator: YOUMINH
Sample : ICV1071-10 Inst : MSW
Misc : MS49009,VW1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 12:07 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 14 12:04:15 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.74min 7.09PPBV m

response 866380

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25873.D MW1071.M Wed Apr 14 12:08:00 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 08:56:04 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.05	128	66246	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.84	114	298528	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.15	82	153527	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.15	82	153527	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.77	95	81644	5.05	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 101.00%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.73	67	22969	9.36	PPBV		98
5) DICHLORODIFLUOROMETHANE	4.83	85	224658	9.19	PPBV		99
6) PROPYLENE	4.76	41	101155	11.30	PPBV		98
7) FREON 114	5.09	85	255996	9.55	PPBV		96
8) CHLOROMETHANE	5.00	52	31603	10.93	PPBV	#	77
9) VINYL CHLORIDE	5.20	62	114229	10.86	PPBV		99
10) 1,3-BUTADIENE	5.33	54	94029	10.80	PPBV		98
11) n-BUTANE	5.37	43	202614	11.20	PPBV		99
12) BROMOMETHANE	5.59	94	89032	10.09	PPBV		100
13) CHLOROETHANE	5.75	64	65157	11.25	PPBV		99
14) ACROLEIN	6.26	56	37440	10.24	PPBV		98
15) FREON 123	6.19	83	236156	10.37	PPBV	#	97
16) FREON 123A	6.24	117	130896	9.78	PPBV		92
17) TRICHLOROFLUOROMETHANE	6.43	101	237966	9.88	PPBV		100
18) ISOPROPYL ALCOHOL	6.75	45	176328	10.43	PPBV	#	1
19) ACETONE	6.40	58	46136	10.40	PPBV		95
20) PENTANE	6.74	57	35041	10.92	PPBV	#	88
21) TVHC as EQUIV PENTANE	6.74	TIC	902024m	15.09	PPBV		
22) IODOMETHANE	6.95	142	230548	9.63	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.00	96	93406	9.82	PPBV		96
24) CARBON DISULFIDE	7.40	76	296182	10.33	PPBV		100
25) ETHANOL	6.12	45	42579	10.11	PPBV		95
26) BROMOETHENE	6.06	106	91471	10.03	PPBV		100
27) METHYLENE CHLORIDE	7.11	84	87513	10.12	PPBV		94
28) 3-CHLOROPROPENE	7.22	76	50602	10.89	PPBV		98
29) FREON 113	7.32	151	151389	9.40	PPBV		96
30) TRANS-1,2-DICHLOROETHYLENE	7.94	96	100025	9.70	PPBV		97
31) TERTIARY BUTYL ALCOHOL	7.28	59	192536	9.03	PPBV	#	99
32) METHYL TERTIARY BUTYL ETHE	8.24	73	235512	9.09	PPBV		96
33) TETRAHYDROFURAN	9.64	72	41590	9.65	PPBV		93
34) HEXANE	9.05	57	181908	10.58	PPBV		98
35) VINYL ACETATE	8.28	86	22776	9.77	PPBV	#	78
36) 1,1-DICHLOROETHANE	8.14	63	189593	10.40	PPBV		100
37) METHYL ETHYL KETONE	8.59	72	41573	9.78	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.89	96	100653	9.61	PPBV		98
39) DI-ISOPROPYL ETHER	9.09	45	338760	10.09	PPBV		99
40) ETHYL ACETATE	9.15	61	27512	10.04	PPBV		96
41) CHLOROFORM	9.18	83	190093	9.86	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.87	57	221299	10.82	PPBV		99
43) 1,1,1-TRICHLOROETHANE	10.09	97	188842	9.61	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 08:56:04 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.66	117	194860	9.55	PPBV		100
45)	1,2-DICHLOROETHANE	9.87	62	123076	10.34	PPBV		100
47)	BENZENE	10.53	78	310366	10.95	PPBV		99
48)	CYCLOHEXANE	10.77	84	149279	10.07	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.98	71	80689	11.27	PPBV		95
50)	TRICHLOROETHYLENE	11.52	95	127205	10.74	PPBV		98
51)	1,2-DICHLOROPROPANE	11.31	63	114201	11.23	PPBV		98
52)	BROMODICHLOROMETHANE	11.49	83	204474	10.87	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.52	57	566688	11.72	PPBV		98
54)	1,4-DIOXANE	11.62	88	59171	10.12	PPBV		98
55)	METHYL METHACRYLATE	11.72	69	90263	10.42	PPBV		97
56)	HEPTANE	11.76	43	220407	10.98	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.76	TIC	954880m	10.38	PPBV		
58)	METHYL ISOBUTYL KETONE	12.43	43	210189	11.33	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.35	75	169525	11.15	PPBV		99
60)	TOLUENE	13.32	92	209186	10.71	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.86	75	140743	11.13	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.05	83	95261	10.99	PPBV		99
64)	2-HEXANONE	13.63	43	202090	11.11	PPBV		98
65)	TETRACHLOROETHYLENE	14.48	164	130160	9.60	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.77	129	192950	10.13	PPBV		100
67)	1,2-DIBROMOETHANE	14.02	107	159504	10.45	PPBV		99
68)	OCTANE	14.27	43	289754	11.94	PPBV		96
69)	1,1,1,2-TETRACHLOROETHANE	15.17	131	139440	9.97	PPBV	#	100
70)	CHLOROBENZENE	15.19	112	259994	10.08	PPBV		99
71)	ETHYLBENZENE	15.57	91	415189	10.32	PPBV		99
72)	m,p-XYLENE	15.76	106	316209	20.52	PPBV		100
73)	o-XYLENE	16.27	106	150633	10.34	PPBV		99
74)	STYRENE	16.16	104	225745	10.76	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.41	75	152695	10.22	PPBV		98
76)	NONANE	16.46	43	267671	12.43	PPBV		98
77)	BROMOFORM	15.88	173	163476	9.71	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.28	83	186165	10.56	PPBV		100
80)	ISOPROPYLBENZENE	16.90	105	421287	10.27	PPBV		99
81)	2-CHLOROTOLUENE	17.43	126	98711	10.55	PPBV		99
82)	n-PROPYLBENZENE	17.44	120	109114	10.81	PPBV		88
83)	4-ETHYLTOLUENE	17.60	105	364042	11.01	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.68	105	288733	10.37	PPBV		81
85)	TERT-BUTYLBENZENE	18.13	134	74851	10.14	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.13	105	285095	11.23	PPBV		99
87)	m-DICHLOROBENZENE	18.32	146	176243	11.28	PPBV		100
88)	BENZYL CHLORIDE	18.30	91	202645	12.07	PPBV		99
89)	p-DICHLOROBENZENE	18.40	146	171583	11.59	PPBV		94
90)	SEC-BUTYLBENZENE	18.43	134	90518	11.07	PPBV		94
91)	p-ISOPROPYLTOLUENE	18.60	134	82283	10.71	PPBV		96
92)	o-DICHLOROBENZENE	18.77	146	145743	10.79	PPBV		99
93)	n-BUTYLBENZENE	19.07	134	60924	10.56	PPBV		91
94)	HEXACHLOROBUTADIENE	21.17	225	35421	8.51	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.68	180	31462	9.84	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 19 08:56:04 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

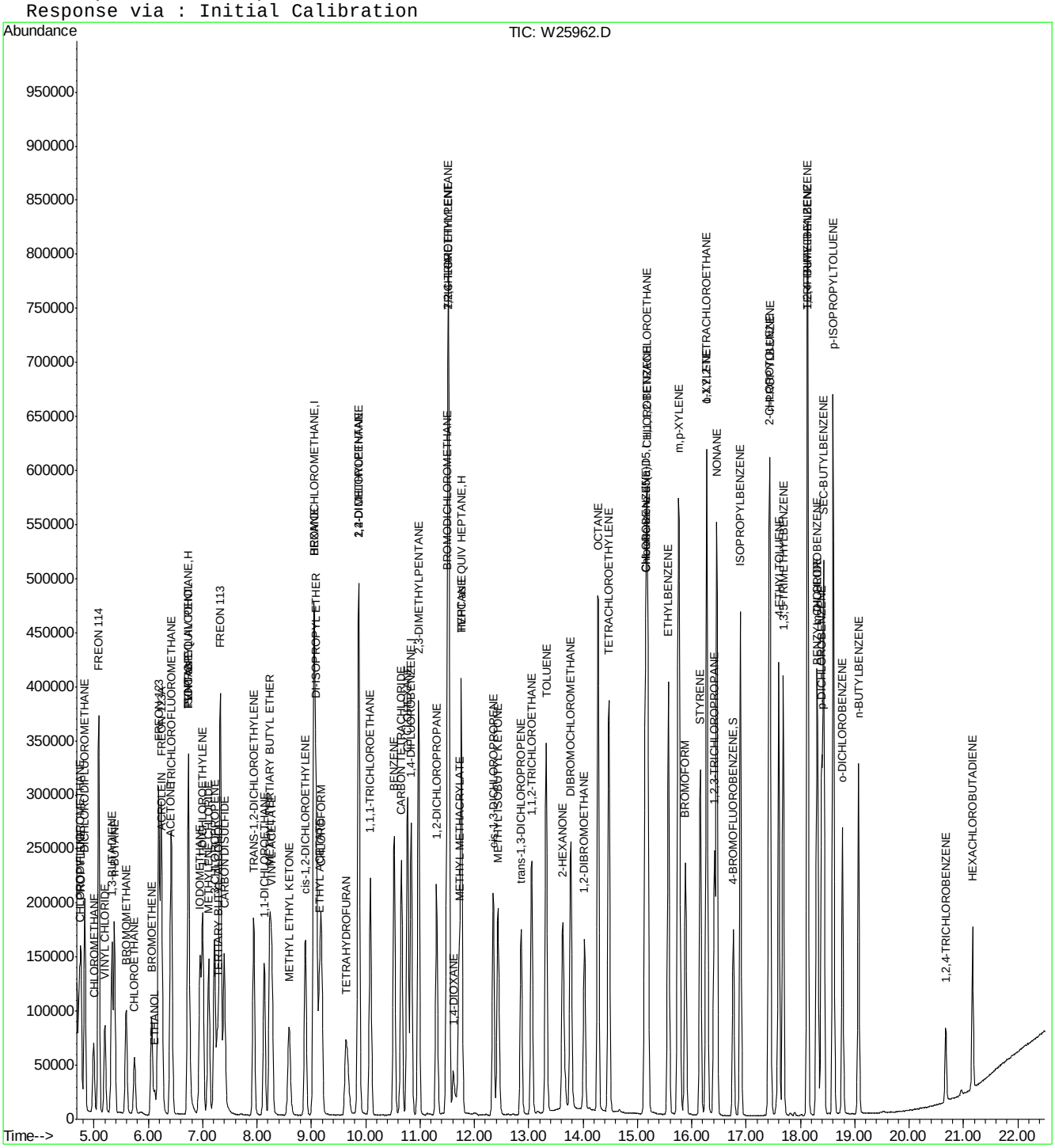
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:05 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration

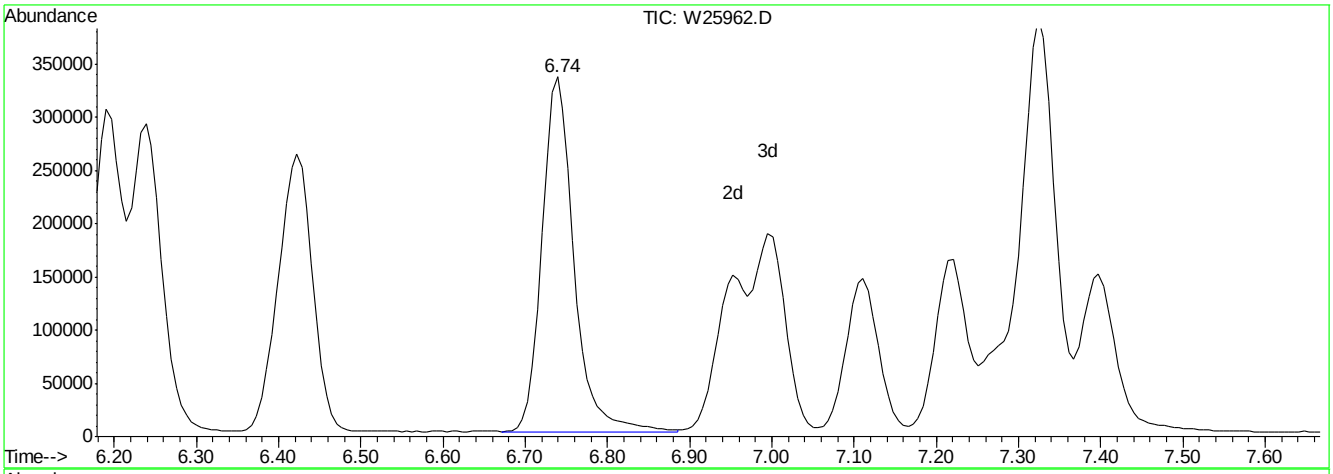


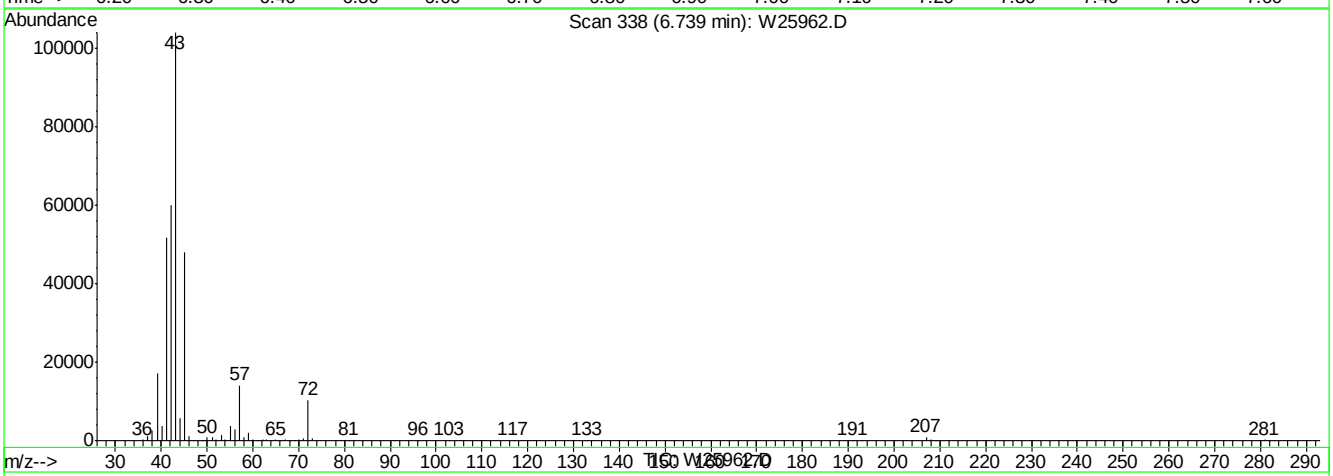
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:05 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.74min 15.09PPBV m

response 902024

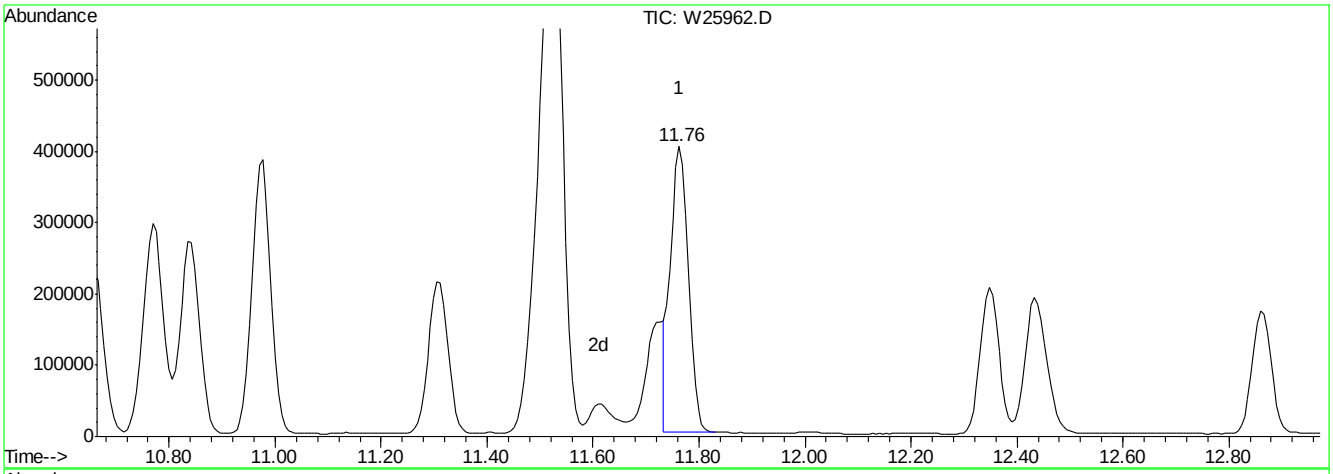
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

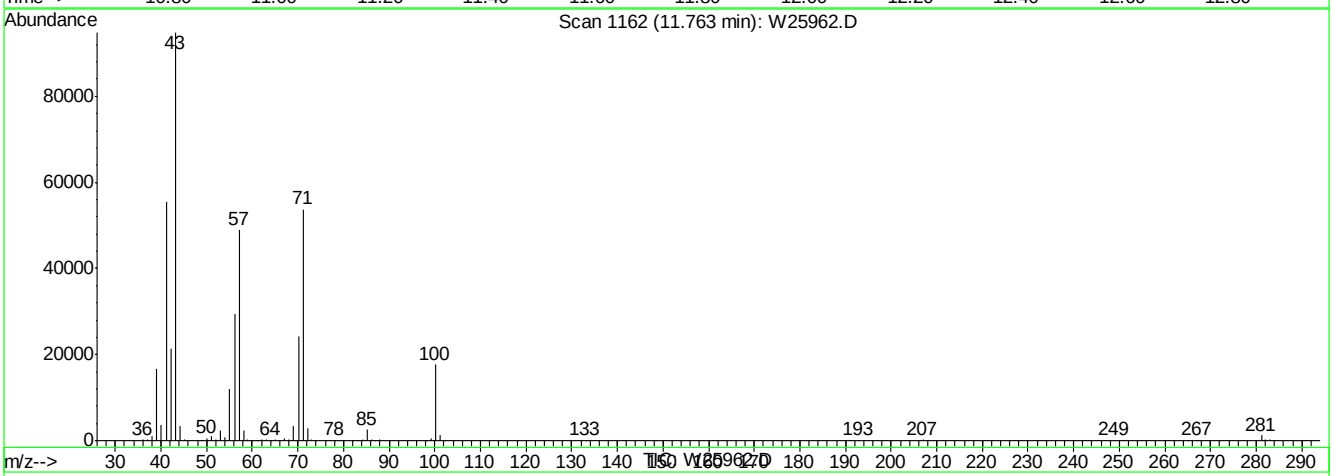
W25962.D MW1071.M Tue Apr 20 15:08:45 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\VW1076\W25962.D Vial: 2
Acq On : 19 Apr 2010 8:33 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1076,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 15:05 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.76min 10.38PPBV m

response 954880

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25962.D MW1071.M Tue Apr 20 15:08:57 2010 MSW

ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.99	128	70450	10.00	PPBV		-0.08
46) 1,4-DIFLUOROBENZENE	10.77	114	314421	10.00	PPBV		-0.06
63) CHLOROBENZENE-D5	15.11	82	161012	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	161234	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	82383	4.86	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	26928	10.32	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.81	85	268429	10.32	PPBV		100
6) PROPYLENE	4.74	41	115524	12.14	PPBV		98
7) FREON 114	5.06	85	296990	10.42	PPBV		96
8) CHLOROMETHANE	4.97	52	36649	11.92	PPBV	#	83
9) VINYL CHLORIDE	5.18	62	126738	11.33	PPBV		99
10) 1,3-BUTADIENE	5.30	54	102604	11.08	PPBV	#	87
11) n-BUTANE	5.35	43	221601	11.52	PPBV		99
12) BROMOMETHANE	5.56	94	99152	10.57	PPBV		99
13) CHLOROETHANE	5.71	64	72167	11.71	PPBV		99
14) ACROLEIN	6.16	56	42279	10.88	PPBV		98
15) FREON 123	6.13	83	266302	10.99	PPBV	#	100
16) FREON 123A	6.18	117	146828	10.31	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	272522	10.64	PPBV		100
18) ISOPROPYL ALCOHOL	6.55	45	195673	10.88	PPBV		99
19) ACETONE	6.29	58	49725	10.54	PPBV		91
20) PENTANE	6.68	57	38051	11.15	PPBV		96
21) TVHC as EQUIV PENTANE	6.68	TIC	683944m	10.76	PPBV		
22) IODOMETHANE	6.90	142	258795	10.17	PPBV		98
23) 1,1-DICHLOROETHYLENE	6.94	96	106761	10.56	PPBV		98
24) CARBON DISULFIDE	7.35	76	326220	10.69	PPBV		100
25) ETHANOL	5.93	45	43595	9.73	PPBV		100
26) BROMOETHENE	6.02	106	102127	10.53	PPBV		100
27) METHYLENE CHLORIDE	7.05	84	101429	11.03	PPBV		98
28) 3-CHLOROPROPENE	7.15	76	57756	11.69	PPBV	#	75
29) FREON 113	7.27	151	171632	10.02	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	7.88	96	108788	9.92	PPBV		96
31) TERTIARY BUTYL ALCOHOL	7.09	59	242266	10.69	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.14	73	243050	8.82	PPBV		96
33) TETRAHYDROFURAN	9.55	72	43233	9.43	PPBV		94
34) HEXANE	8.99	57	199961	10.94	PPBV		97
35) VINYL ACETATE	8.19	86	23999	9.68	PPBV	#	79
36) 1,1-DICHLOROETHANE	8.07	63	211788	10.92	PPBV		99
37) METHYL ETHYL KETONE	8.47	72	44190	9.78	PPBV	#	90
38) cis-1,2-DICHLOROETHYLENE	8.82	96	109179	9.81	PPBV		97
39) DI-ISOPROPYL ETHER	9.00	45	353920	9.91	PPBV		100
40) ETHYL ACETATE	9.04	61	29788	10.22	PPBV	#	90
41) CHLOROFORM	9.10	83	211271	10.30	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.81	57	244644	11.25	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	206526	9.88	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	215681	9.94	PPBV		100
45)	1,2-DICHLOROETHANE	9.79	62	134832	10.65	PPBV		100
47)	BENZENE	10.46	78	337645	11.31	PPBV		99
48)	CYCLOHEXANE	10.72	84	163469	10.47	PPBV		95
49)	2,3-DIMETHYLPENTANE	10.91	71	89490	11.87	PPBV		95
50)	TRICHLOROETHYLENE	11.46	95	139282	11.17	PPBV		98
51)	1,2-DICHLOROPROPANE	11.24	63	123241	11.51	PPBV		99
52)	BROMODICHLOROMETHANE	11.43	83	223706	11.29	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.47	57	645942	12.68	PPBV		99
54)	1,4-DIOXANE	11.53	88	60948	9.90	PPBV		99
55)	METHYL METHACRYLATE	11.64	69	93279	10.22	PPBV		97
56)	HEPTANE	11.71	43	244318	11.56	PPBV		97
57)	TVHC as EQUIV HEPTANE	11.71	TIC	1002425m	10.34	PPBV		
58)	METHYL ISOBUTYL KETONE	12.36	43	217768	11.14	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.29	75	179736	11.22	PPBV		99
60)	TOLUENE	13.28	92	219332	10.66	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.81	75	145253	10.91	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.00	83	101411	11.11	PPBV		98
64)	2-HEXANONE	13.56	43	208390	10.92	PPBV		97
65)	TETRACHLOROETHYLENE	14.44	164	134870	9.48	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.73	129	202217	10.12	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	165547	10.34	PPBV		99
68)	OCTANE	14.24	43	314392	12.35	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.14	131	145937	9.95	PPBV	#	100
70)	CHLOROBENZENE	15.16	112	273734	10.12	PPBV		99
71)	ETHYLBENZENE	15.54	91	428627	10.16	PPBV		99
72)	m,p-XYLENE	15.73	106	327272	20.25	PPBV		97
73)	o-XYLENE	16.25	106	156641	10.26	PPBV		99
74)	STYRENE	16.13	104	229054	10.41	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.39	75	159819	10.19	PPBV		97
76)	NONANE	16.44	43	284382	12.59	PPBV		98
77)	BROMOFORM	15.85	173	168297	9.53	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	197022	10.65	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	430312	10.00	PPBV		98
81)	2-CHLOROTOLUENE	17.41	126	102239	10.42	PPBV		100
82)	n-PROPYLBENZENE	17.42	120	111741	10.56	PPBV		86
83)	4-ETHYLTOLUENE	17.58	105	370342	10.68	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.67	105	291773	9.99	PPBV		82
85)	TERT-BUTYLBENZENE	18.11	134	74989	9.69	PPBV		95
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	282976	10.63	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	176170	10.75	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	196547	11.16	PPBV		98
89)	p-DICHLOROBENZENE	18.38	146	162371	10.46	PPBV		96
90)	SEC-BUTYLBENZENE	18.42	134	85442	9.96	PPBV		92
91)	p-ISOPROPYLTOLUENE	18.59	134	82168	10.19	PPBV		96
92)	o-DICHLOROBENZENE	18.76	146	143331	10.12	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	61309	10.13	PPBV		90
94)	HEXACHLOROBUTADIENE	21.17	225	41821	9.59	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.67	180	32658	9.74	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 20 11:51:30 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Fri Apr 16 11:40:18 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

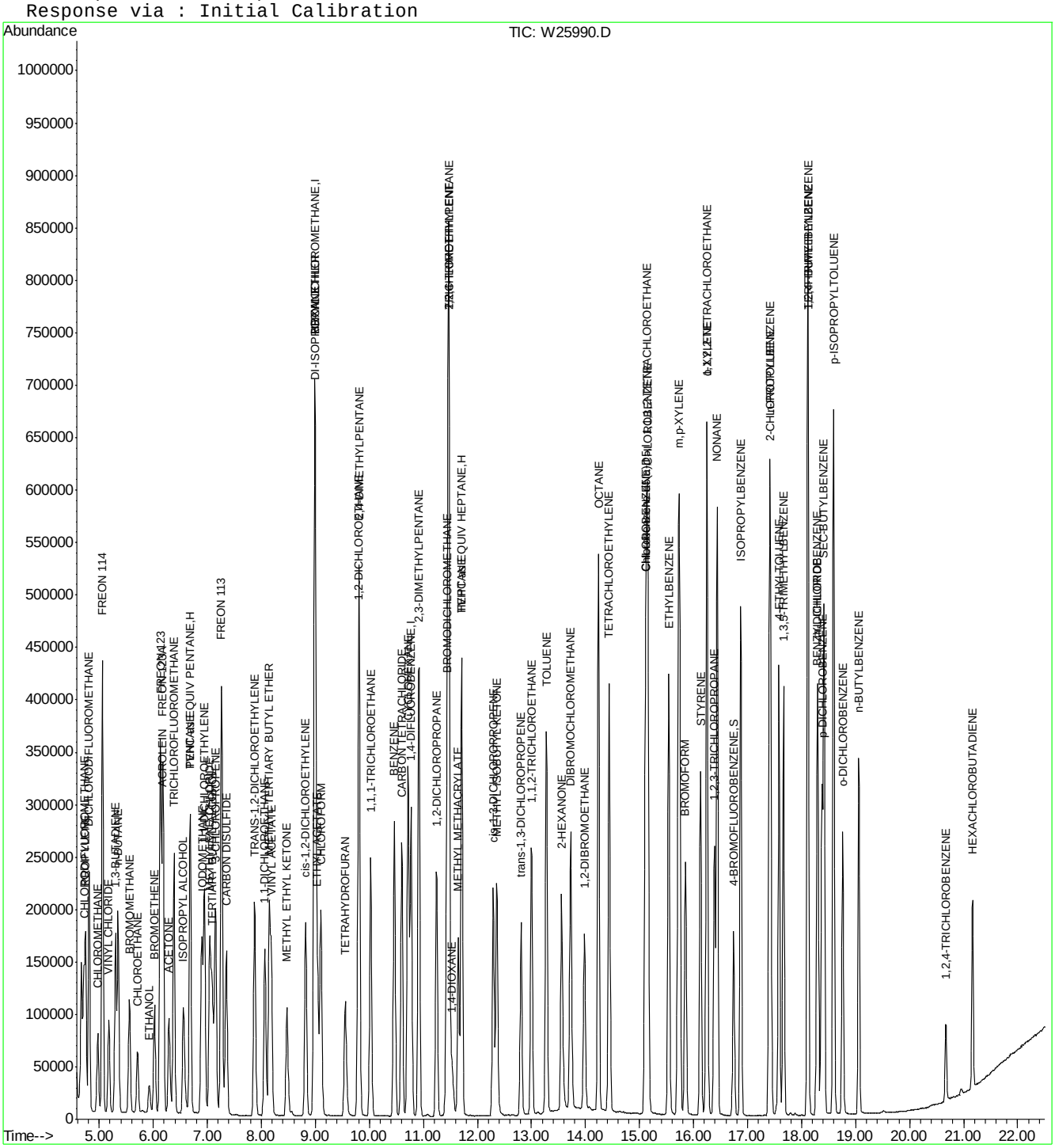
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:28 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

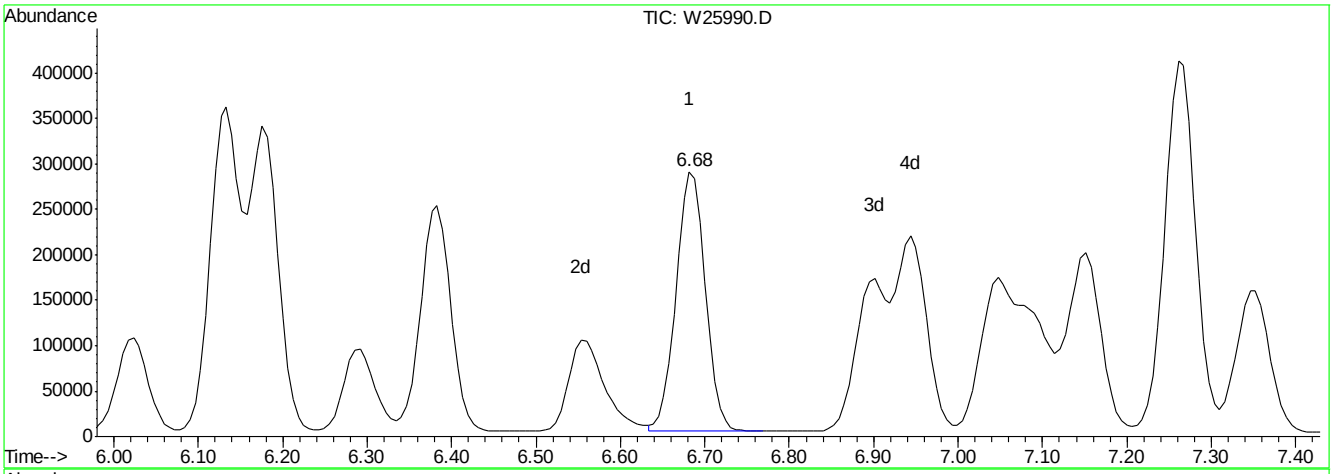


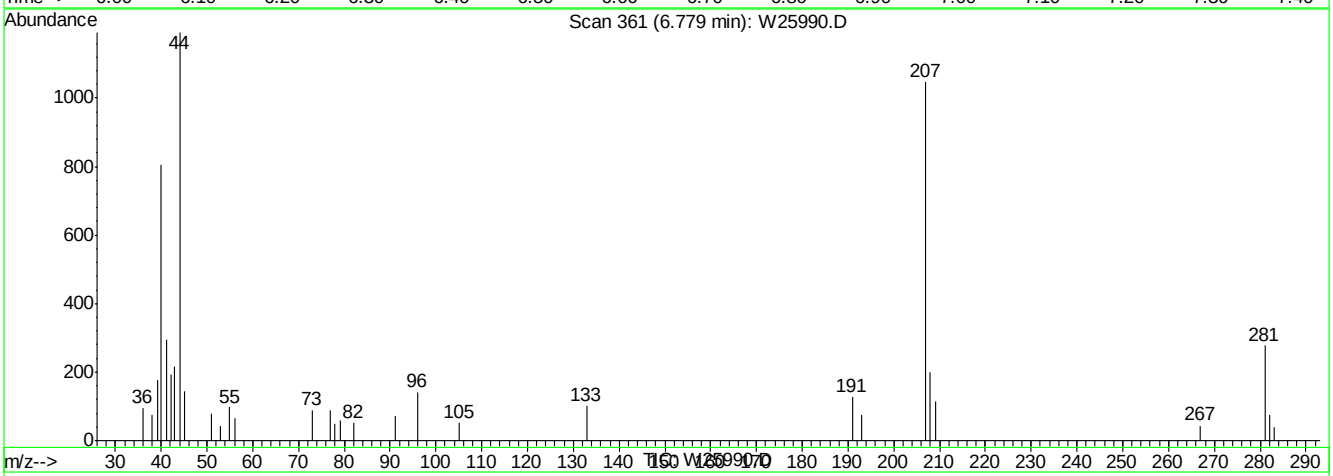
ACCUTEST JA45152 Laboratories

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:27 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 10.76PPBV m

response 683944

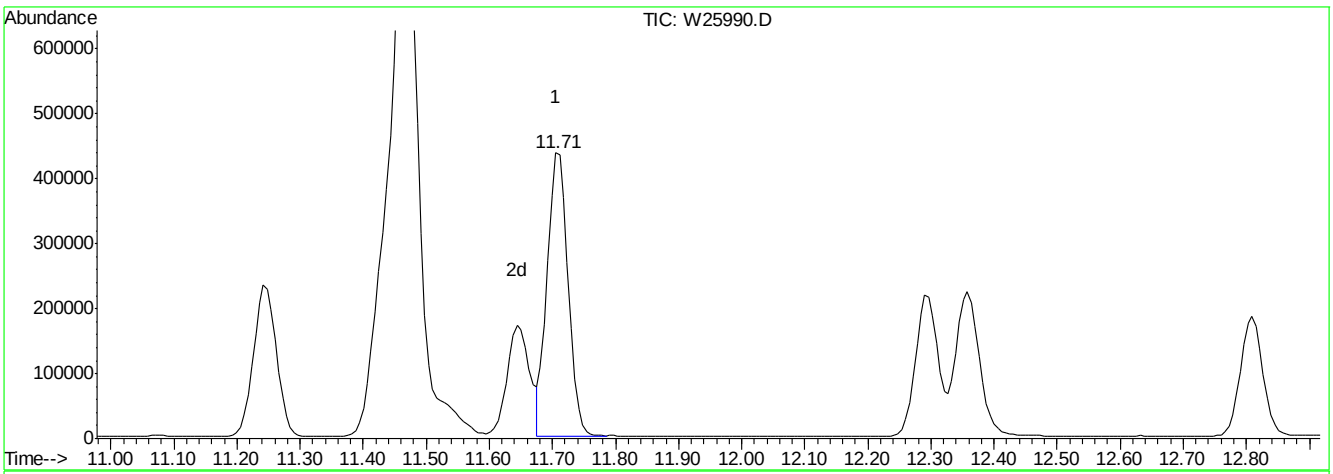
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

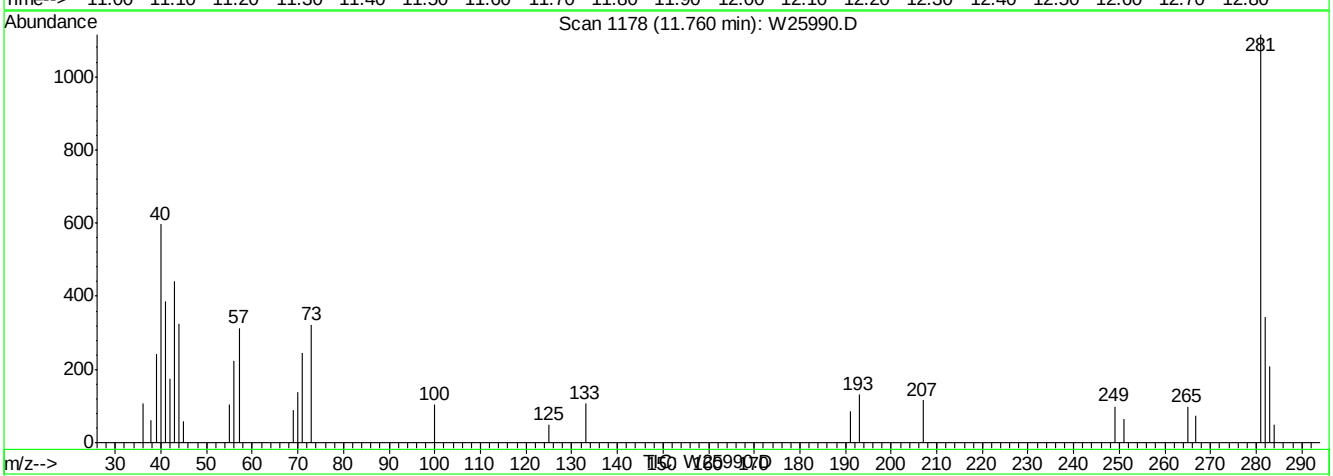
W25990.D MW1071.M Wed Apr 21 14:27:54 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W25990.D Vial: 2
Acq On : 20 Apr 2010 8:10 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS49009,VW1077,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 14:28 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.71min 10.34PPBV m

response 1002425

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W25990.D MW1071.M Wed Apr 21 14:28:19 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	8.97	128	63623	10.00	PPBV		-0.09
46) 1,4-DIFLUOROBENZENE	10.77	114	275702	10.00	PPBV		-0.07
63) CHLOROBENZENE-D5	15.11	82	146728	10.00	PPBV		-0.03
96) Chlorobenzene-d5(a)	15.11	82	146872	10.00	PPBV		-0.03
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.74	95	75882	4.91	PPBV		-0.02
Spiked Amount 5.000	Range 65 - 128		Recovery = 98.20%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.71	67	25694	10.90	PPBV		99
5) DICHLORODIFLUOROMETHANE	4.81	85	247898	10.56	PPBV		99
6) PROPYLENE	4.74	41	105495	12.27	PPBV		98
7) FREON 114	5.05	85	275560	10.71	PPBV		95
8) CHLOROMETHANE	4.97	52	33930	12.22	PPBV		94
9) VINYL CHLORIDE	5.17	62	117568	11.64	PPBV		99
10) 1,3-BUTADIENE	5.30	54	94064	11.25	PPBV	#	87
11) n-BUTANE	5.35	43	204920	11.79	PPBV		99
12) BROMOMETHANE	5.55	94	90897	10.73	PPBV		100
13) CHLOROETHANE	5.70	64	65467	11.77	PPBV		99
14) ACROLEIN	6.15	56	37163	10.58	PPBV		99
15) FREON 123	6.12	83	240109	10.98	PPBV	#	96
16) FREON 123A	6.17	117	133397	10.37	PPBV		93
17) TRICHLOROFLUOROMETHANE	6.38	101	261566	11.31	PPBV		99
18) ISOPROPYL ALCOHOL	6.54	45	183614	11.31	PPBV		100
19) ACETONE	6.28	58	45187	10.60	PPBV		93
20) PENTANE	6.68	57	35804	11.61	PPBV		97
21) TVHC as EQUIV PENTANE	6.68	TIC	648432m	11.29	PPBV		
22) IODOMETHANE	6.89	142	240392	10.46	PPBV		96
23) 1,1-DICHLOROETHYLENE	6.94	96	100497	11.00	PPBV		96
24) CARBON DISULFIDE	7.35	76	297143	10.79	PPBV		99
25) ETHANOL	5.91	45	40091	9.91	PPBV		99
26) BROMOETHENE	6.02	106	94961	10.84	PPBV		99
27) METHYLENE CHLORIDE	7.04	84	93568	11.27	PPBV		96
28) 3-CHLOROPROPENE	7.15	76	53067	11.89	PPBV	#	73
29) FREON 113	7.25	151	150567	9.73	PPBV		91
30) TRANS-1,2-DICHLOROETHYLENE	7.87	96	98772	9.97	PPBV		95
31) TERTIARY BUTYL ALCOHOL	7.07	59	229974	11.23	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.14	73	221959	8.92	PPBV		95
33) TETRAHYDROFURAN	9.54	72	38555	9.31	PPBV	#	91
34) HEXANE	8.98	57	184123	11.15	PPBV		98
35) VINYL ACETATE	8.18	86	21709	9.70	PPBV	#	76
36) 1,1-DICHLOROETHANE	8.06	63	189790	10.84	PPBV		100
37) METHYL ETHYL KETONE	8.47	72	39717	9.73	PPBV		97
38) cis-1,2-DICHLOROETHYLENE	8.82	96	96829	9.63	PPBV		95
39) DI-ISOPROPYL ETHER	8.99	45	326893	10.13	PPBV		99
40) ETHYL ACETATE	9.03	61	26477	10.06	PPBV	#	1
41) CHLOROFORM	9.10	83	191280	10.33	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.80	57	222376	11.32	PPBV		98
43) 1,1,1-TRICHLOROETHANE	10.02	97	188639	9.99	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	CARBON TETRACHLORIDE	10.60	117	198165	10.12	PPBV		99
45)	1,2-DICHLOROETHANE	9.78	62	123336	10.79	PPBV		100
47)	BENZENE	10.46	78	297704	11.38	PPBV		99
48)	CYCLOHEXANE	10.71	84	148120	10.82	PPBV		94
49)	2,3-DIMETHYLPENTANE	10.91	71	80967	12.25	PPBV		94
50)	TRICHLOROETHYLENE	11.46	95	125081	11.44	PPBV		96
51)	1,2-DICHLOROPROPANE	11.24	63	108558	11.56	PPBV		99
52)	BROMODICHLOROMETHANE	11.42	83	199877	11.51	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.46	57	571990	12.80	PPBV		98
54)	1,4-DIOXANE	11.52	88	54651	10.12	PPBV		98
55)	METHYL METHACRYLATE	11.64	69	83686	10.46	PPBV		96
56)	HEPTANE	11.71	43	224078	12.09	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.70	TIC	907832m	10.68	PPBV		
58)	METHYL ISOBUTYL KETONE	12.35	43	202621	11.82	PPBV		96
59)	cis-1,3-DICHLOROPROPENE	12.28	75	157532	11.22	PPBV		97
60)	TOLUENE	13.27	92	191296	10.60	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.80	75	129712	11.11	PPBV		97
62)	1,1,2-TRICHLOROETHANE	13.00	83	88722	11.08	PPBV		98
64)	2-HEXANONE	13.55	43	193920	11.15	PPBV		96
65)	TETRACHLOROETHYLENE	14.44	164	116540	8.99	PPBV		97
66)	DIBROMOCHLOROMETHANE	13.72	129	177798	9.77	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	145417	9.96	PPBV		99
68)	OCTANE	14.24	43	283779	12.24	PPBV		93
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	127814	9.56	PPBV	#	99
70)	CHLOROBENZENE	15.15	112	238700	9.68	PPBV		98
71)	ETHYLBENZENE	15.54	91	377017	9.81	PPBV		98
72)	m,p-XYLENE	15.73	106	287876	19.54	PPBV		97
73)	o-XYLENE	16.25	106	136543	9.81	PPBV		98
74)	STYRENE	16.13	104	200975	10.03	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.39	75	143714	10.06	PPBV		97
76)	NONANE	16.44	43	255008	12.39	PPBV		97
77)	BROMOFORM	15.85	173	146266	9.09	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.25	83	175943	10.44	PPBV		100
80)	ISOPROPYLBENZENE	16.87	105	382880	9.77	PPBV		98
81)	2-CHLOROTOLUENE	17.40	126	87608	9.80	PPBV	#	92
82)	n-PROPYLBENZENE	17.42	120	98961	10.26	PPBV		85
83)	4-ETHYLTOLUENE	17.58	105	329289	10.42	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.66	105	261113	9.81	PPBV		83
85)	TERT-BUTYLBENZENE	18.11	134	65874	9.34	PPBV		92
86)	1,2,4-TRIMETHYLBENZENE	18.12	105	252063	10.39	PPBV		99
87)	m-DICHLOROBENZENE	18.30	146	152058	10.18	PPBV		99
88)	BENZYL CHLORIDE	18.28	91	176628	11.01	PPBV		98
89)	p-DICHLOROBENZENE	18.37	146	142620	10.08	PPBV		95
90)	SEC-BUTYLBENZENE	18.42	134	74976	9.59	PPBV		89
91)	p-ISOPROPYLTOLUENE	18.59	134	72176	9.83	PPBV		94
92)	o-DICHLOROBENZENE	18.76	146	124069	9.61	PPBV		99
93)	n-BUTYLBENZENE	19.06	134	53519	9.70	PPBV		87
94)	HEXACHLOROBUTADIENE	21.17	225	36168	9.10	PPBV		100
95)	1,2,4-TRICHLOROBENZENE	20.67	180	30003	9.82	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 10:48:37 2010 Quant Results File: MW1071.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

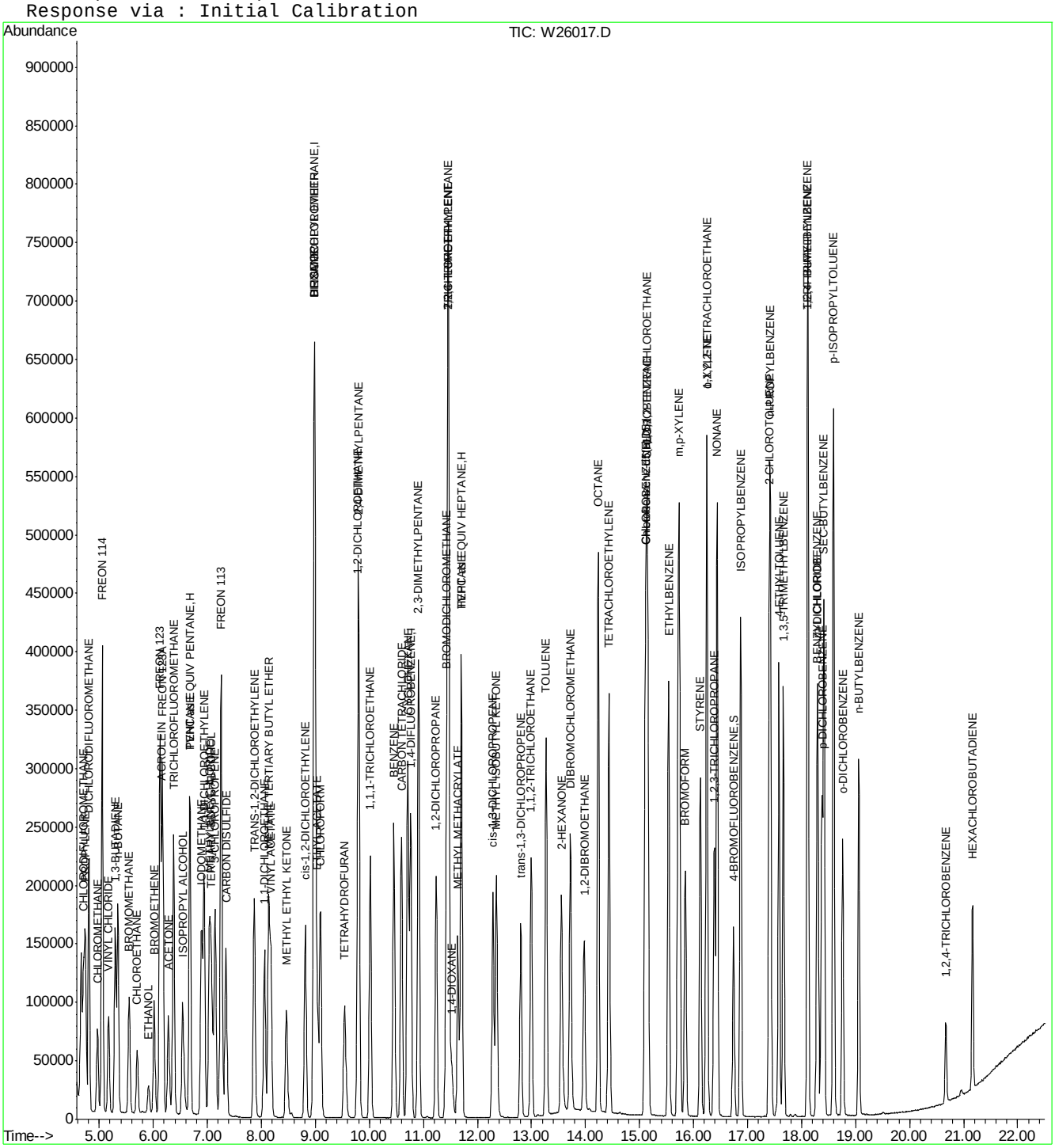
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:42 2010 Quant Results File: MW1071.RES

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Initial Calibration

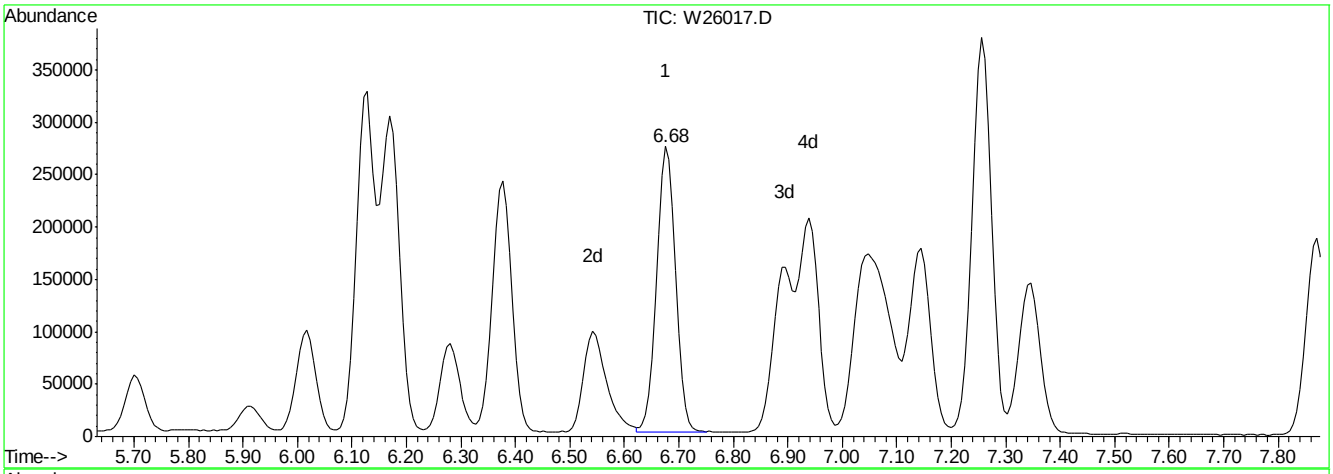


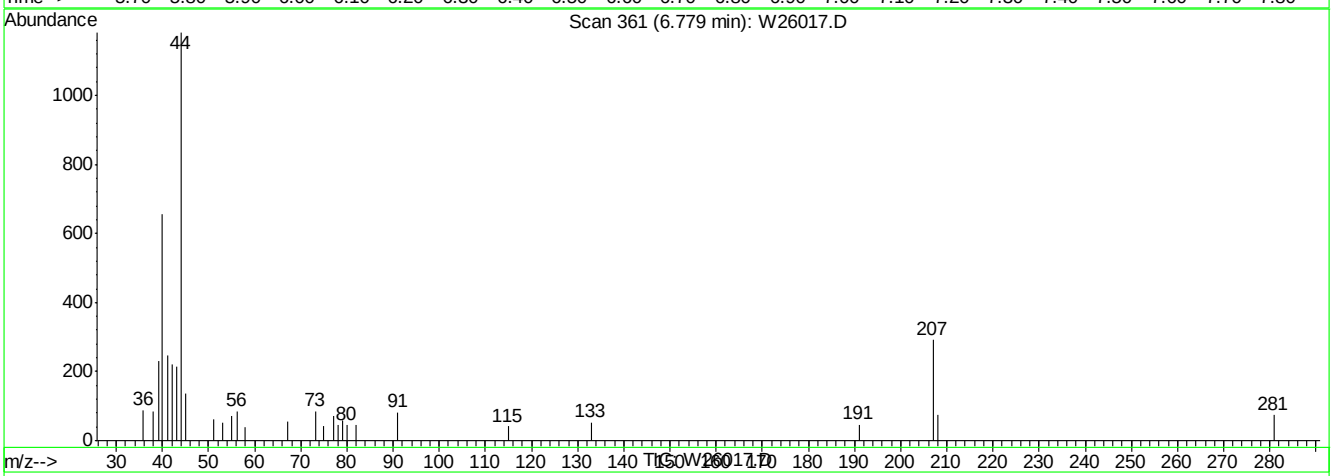
ACCUTEST Laboratories JA45152

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:41 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(21) TVHC as EQUIV PENTANE (H)

6.68min 11.29PPBV m

response 648432

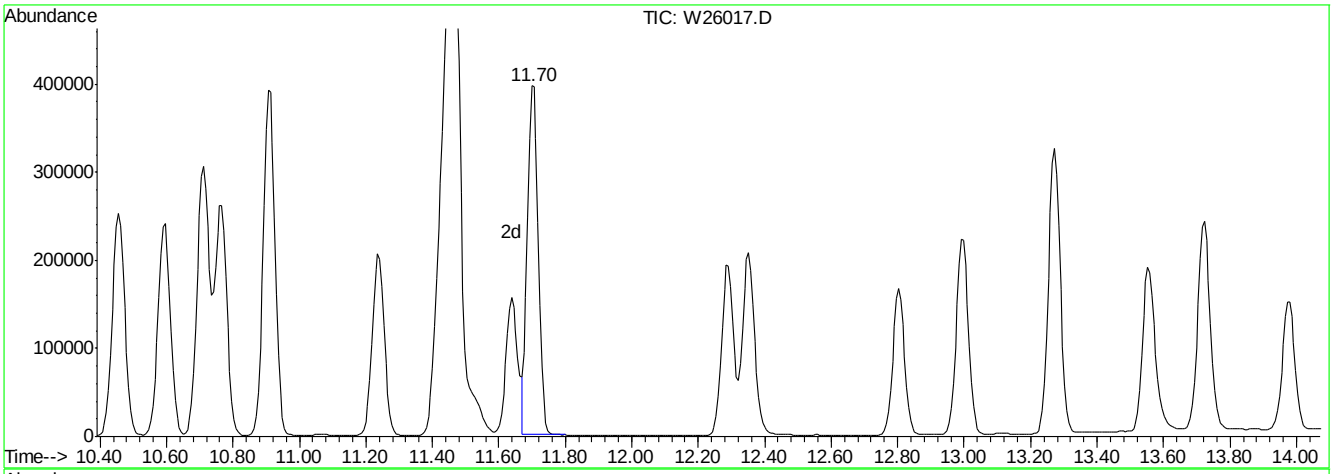
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

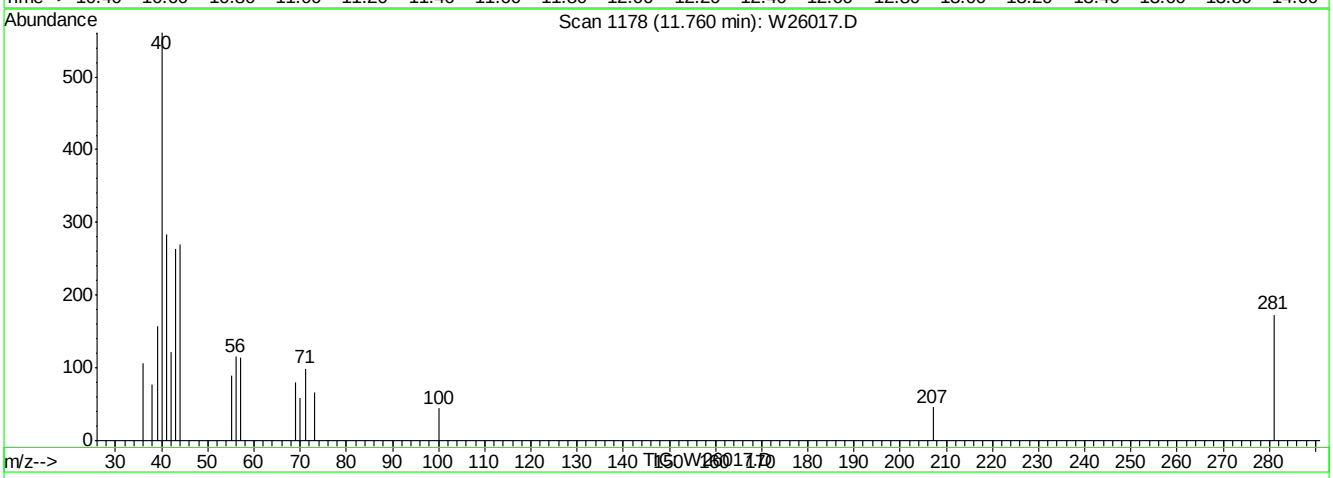
W26017.D MW1071.M Wed Apr 21 16:41:58 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26017.D Vial: 6
Acq On : 21 Apr 2010 7:44 am Operator: YOUMINH
Sample : CC1071-10 Inst : MSW
Misc : MS95849,VW1078,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 21 16:42 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1071.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed Apr 21 08:01:48 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.70min 10.68PPBV m

response 907832

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26017.D MW1071.M Wed Apr 21 16:42:39 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:11:54 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	126455	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	610330	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	278032	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	278032	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	143898	4.98	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.60%				
Target Compounds							Qvalue
3) FREON 152A	4.97	65	103419	10.00	PPBV		100
4) CHLORODIFLUOROMETHANE	5.01	67	36274	10.00	PPBV		100
5) DICHLORODIFLUOROMETHANE	5.11	85	402321	9.99	PPBV		100
6) PROPYLENE	5.04	41	140356	10.00	PPBV		100
7) FREON 114	5.35	85	494979	10.00	PPBV		100
8) CHLOROMETHANE	5.27	52	50667	10.00	PPBV		100
9) VINYL CHLORIDE	5.46	62	188799	10.00	PPBV		100
10) 1,3-BUTADIENE	5.59	54	148517	10.00	PPBV		100
11) n-BUTANE	5.63	43	286748	10.00	PPBV		100
12) BROMOMETHANE	5.84	94	169235	10.00	PPBV		100
13) CHLOROETHANE	5.98	64	107599	10.00	PPBV		100
14) ACROLEIN	6.40	56	62202	10.00	PPBV		100
15) FREON 123	6.38	83	433049	10.00	PPBV	#	100
16) FREON 123A	6.42	117	255495	10.00	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.62	101	410025	10.00	PPBV		100
18) ISOPROPYL ALCOHOL	6.75	45	281359	10.00	PPBV		100
19) ACETONE	6.52	58	76806	10.00	PPBV		100
20) PENTANE	6.90	57	54617	9.99	PPBV		100
21) TVHC as EQUIV PENTANE	6.90	TIC	926989m	9.97	PPBV		
22) IODOMETHANE	7.12	142	474989	10.00	PPBV		100
23) 1,1-DICHLOROETHYLENE	7.15	96	183617	10.00	PPBV		100
24) CARBON DISULFIDE	7.55	76	520068	10.01	PPBV		100
25) ETHANOL	6.14	45	62864	10.00	PPBV		100
26) BROMOETHENE	6.27	106	177836	10.00	PPBV		100
27) METHYLENE CHLORIDE	7.25	84	155757	10.00	PPBV		100
28) 3-CHLOROPROPENE	7.35	76	89190	10.00	PPBV		100
29) FREON 113	7.45	151	309490	10.00	PPBV		100
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	188794	10.00	PPBV		100
31) TERTIARY BUTYL ALCOHOL	7.27	59	355019	10.06	PPBV		100
32) METHYL TERTIARY BUTYL ETHE	8.31	73	442065	10.00	PPBV		100
33) TETRAHYDROFURAN	9.66	72	81500	10.00	PPBV		98
34) HEXANE	9.10	57	310049	10.00	PPBV		100
35) VINYL ACETATE	8.34	86	44711	10.00	PPBV		100
36) 1,1-DICHLOROETHANE	8.23	63	328042	10.00	PPBV		100
37) METHYL ETHYL KETONE	8.61	72	81476	10.00	PPBV		100
38) cis-1,2-DICHLOROETHYLENE	8.95	96	193353	10.00	PPBV		100
39) DI-ISOPROPYL ETHER	9.12	45	565916	10.00	PPBV		100
40) ETHYL ACETATE	9.15	61	50992	10.00	PPBV		100
41) CHLOROFORM	9.22	83	349819	10.00	PPBV		100
42) 2,4-DIMETHYLPENTANE	9.89	57	376836	10.00	PPBV		100

(#) = qualifier out of range (m) = manual integration
W26143.D MW1082.M Thu May 06 09:48:22 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:11:54 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	346863	10.00	PPBV		100
44)	CARBON TETRACHLORIDE	10.67	117	363113	10.00	PPBV		100
45)	1,2-DICHLOROETHANE	9.88	62	194448	9.99	PPBV		100
47)	BENZENE	10.54	78	591303	10.00	PPBV		100
48)	CYCLOHEXANE	10.78	84	282551	10.00	PPBV		100
49)	2,3-DIMETHYLPENTANE	10.97	71	148700	10.00	PPBV		100
50)	TRICHLOROETHYLENE	11.51	95	244448	10.01	PPBV		100
51)	1,2-DICHLOROPROPANE	11.29	63	208973	10.00	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	379436	10.00	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	974898	10.00	PPBV		100
54)	1,4-DIOXANE	11.60	88	111993	9.99	PPBV		100
55)	METHYL METHACRYLATE	11.69	69	174792	10.00	PPBV		100
56)	HEPTANE	11.74	43	344034	10.01	PPBV		100
57)	TVHC as EQUIV HEPTANE	11.74	TIC	1577871m	10.00	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	331687	10.00	PPBV		100
59)	cis-1,3-DICHLOROPROPENE	12.32	75	309259	10.01	PPBV		100
60)	TOLUENE	13.29	92	411059	10.00	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.83	75	237351	10.01	PPBV		100
62)	1,1,2-TRICHLOROETHANE	13.02	83	185051	10.00	PPBV		100
64)	2-HEXANONE	13.58	43	302506	9.97	PPBV		100
65)	TETRACHLOROETHYLENE	14.43	164	275643	9.97	PPBV		100
66)	DIBROMOCHLOROMETHANE	13.73	129	376963	9.97	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	308634	9.95	PPBV		100
68)	OCTANE	14.22	43	448905	9.97	PPBV		100
69)	1,1,1,2-TETRACHLOROETHANE	15.12	131	282644	9.97	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	516500	9.96	PPBV		100
71)	ETHYLBENZENE	15.52	91	834467	9.97	PPBV		100
72)	m,p-XYLENE	15.71	106	655186	19.94	PPBV		100
73)	o-XYLENE	16.22	106	316210	9.97	PPBV		100
74)	STYRENE	16.11	104	461785	9.97	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.37	75	284684	9.97	PPBV		100
76)	NONANE	16.41	43	419626	9.97	PPBV		100
77)	BROMOFORM	15.83	173	348207	9.97	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	379138	9.97	PPBV		100
80)	ISOPROPYLBENZENE	16.85	105	889012	9.97	PPBV		100
81)	2-CHLOROTOLUENE	17.38	126	210596	9.97	PPBV		100
82)	n-PROPYLBENZENE	17.40	120	237309	9.97	PPBV		100
83)	4-ETHYLTOLUENE	17.56	105	776659	10.02	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	613027	9.98	PPBV		100
85)	TERT-BUTYLBENZENE	18.09	134	163959	9.97	PPBV		100
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	588614	9.97	PPBV		100
87)	m-DICHLOROBENZENE	18.28	146	373105	9.97	PPBV		100
88)	BENZYL CHLORIDE	18.26	91	391636	9.97	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	350616	9.97	PPBV		100
90)	SEC-BUTYLBENZENE	18.39	134	189889	9.97	PPBV		100
91)	p-ISOPROPYLTOLUENE	18.56	134	181056	9.97	PPBV		100
92)	o-DICHLOROBENZENE	18.74	146	320880	9.98	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	139884	9.97	PPBV		100
94)	HEXACHLOROBUTADIENE	21.14	225	85454	9.97	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:11:54 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

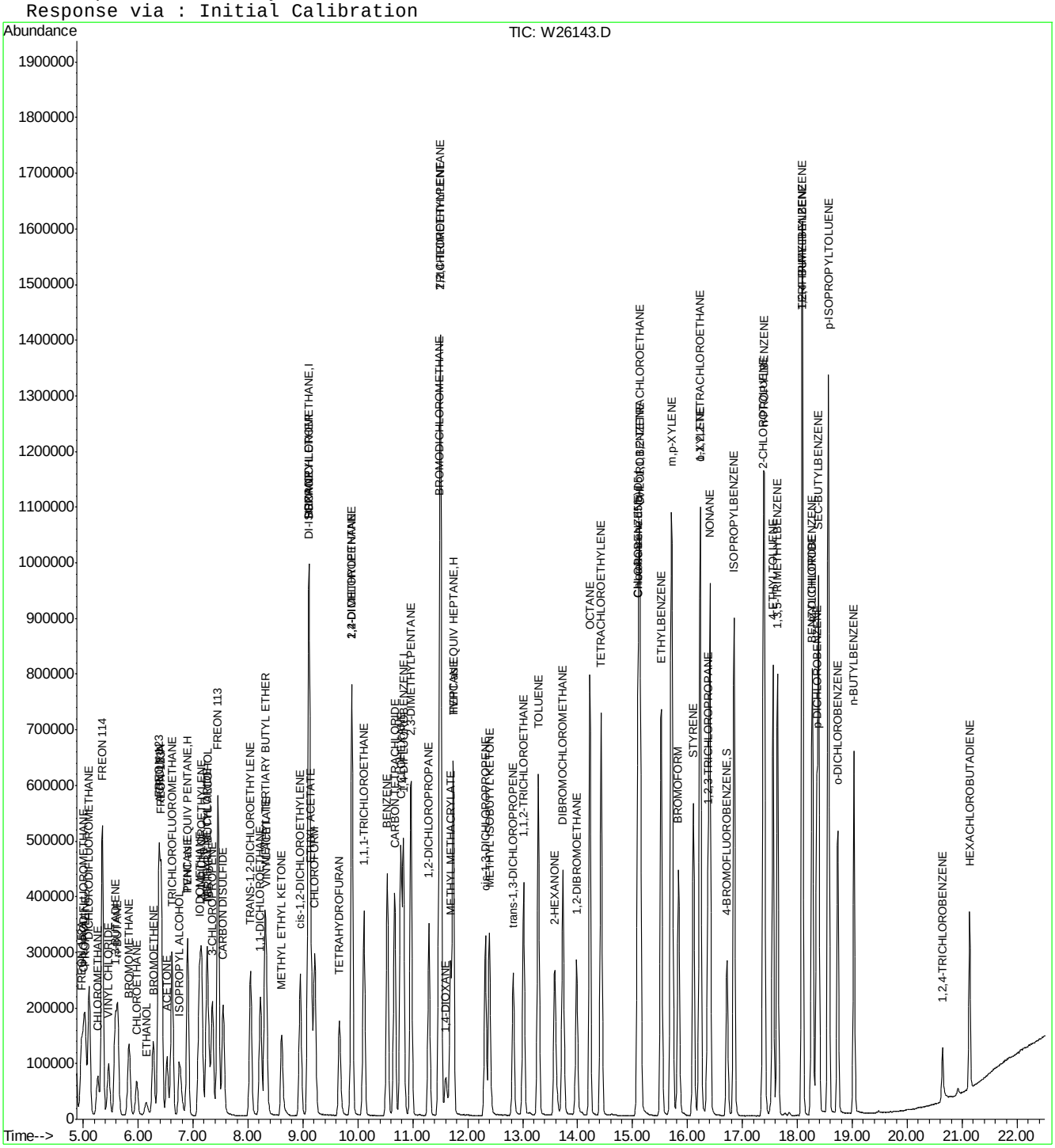
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	63759	10.04	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:13 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

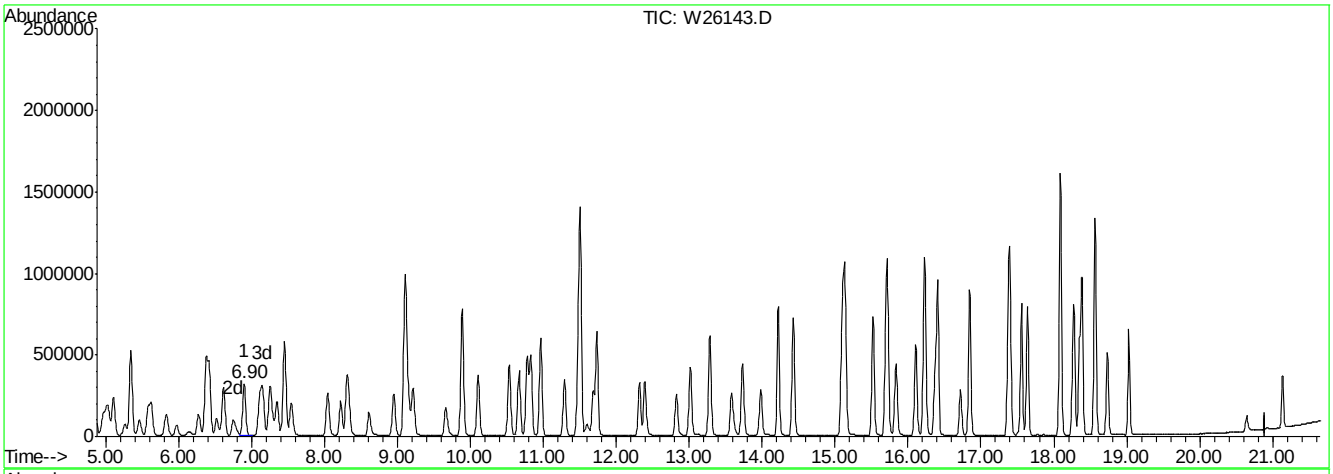


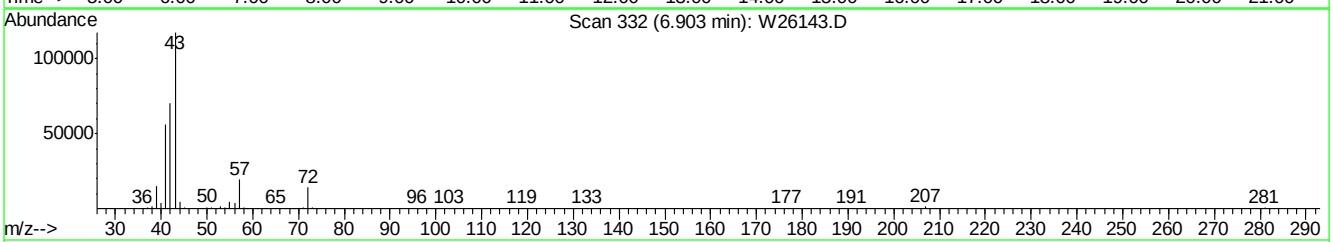
ACCUTEST JA45152 Laboratories

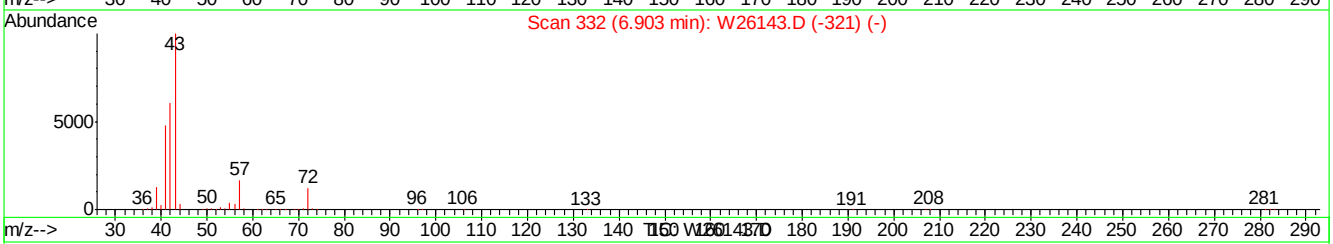
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:13 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 9.97PPBV m

response 926989

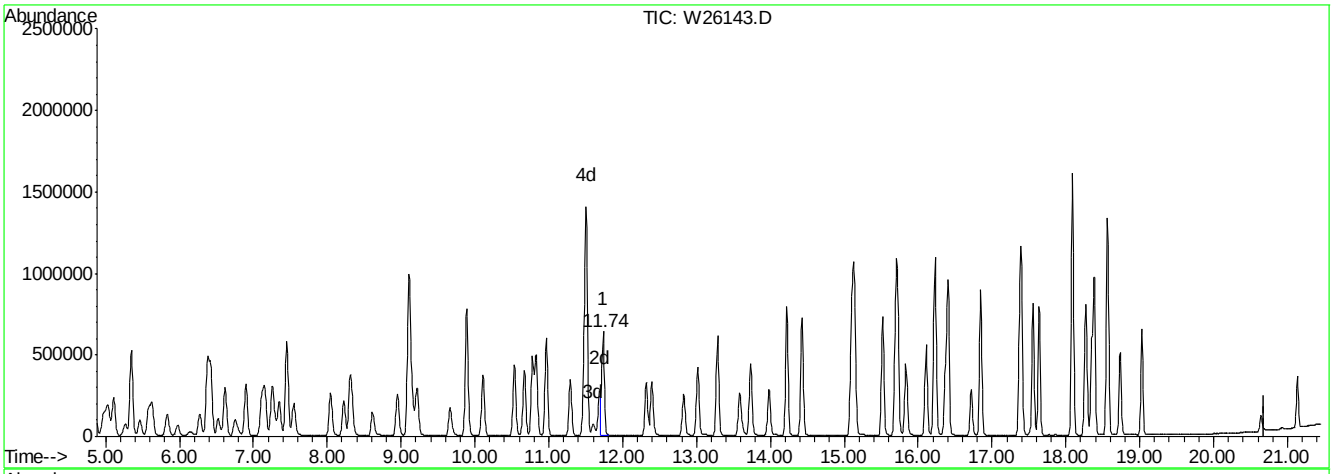
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

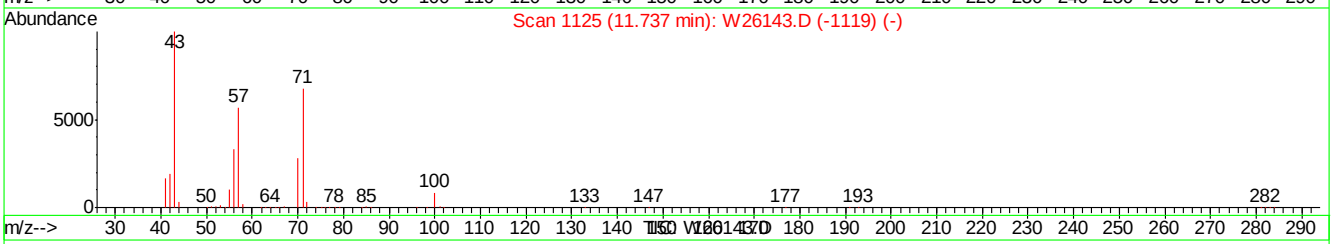
W26143.D MW1082.M Thu May 06 09:49:07 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26143.D Vial: 2
Acq On : 4 May 2010 6:38 pm Operator: YOUMINH
Sample : ICC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:13 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 10.00PPBV m

response 1577871

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26143.D MW1082.M Thu May 06 09:49:11 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 05/10/10 14:49

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:03 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	125560	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	616026	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.09	82	249525	10.00	PPBV	0.00
96) Chlorobenzene-d5(a)	15.09	82	249525	10.00	PPBV	0.00
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	123294	4.76	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.20%			
Target Compounds						Qvalue
3) FREON 152A	4.96	65	5349	0.52	PPBV #	68
4) CHLORODIFLUOROMETHANE	5.01	67	1937	0.54	PPBV #	82
5) DICHLORODIFLUOROMETHANE	5.10	85	21178	0.53	PPBV	98
6) PROPYLENE	5.04	41	7890	0.57	PPBV	95
7) FREON 114	5.35	85	24890	0.51	PPBV	98
8) CHLOROMETHANE	5.27	52	2584	0.51	PPBV #	69
9) VINYL CHLORIDE	5.46	62	9777	0.52	PPBV	99
10) 1,3-BUTADIENE	5.59	54	7500	0.51	PPBV	94
11) n-BUTANE	5.63	43	15098	0.53	PPBV #	99
12) BROMOMETHANE	5.84	94	8521	0.51	PPBV	100
13) CHLOROETHANE	5.98	64	5428	0.51	PPBV	97
14) ACROLEIN	6.41	56	2876	0.47	PPBV	93
15) FREON 123	6.38	83	22474	0.52	PPBV #	98
16) FREON 123A	6.43	117	13605	0.54	PPBV	98
17) TRICHLOROFLUOROMETHANE	6.62	101	20931	0.51	PPBV	98
18) ISOPROPYL ALCOHOL	6.85	45	15076	0.54	PPBV	93
19) ACETONE	6.55	58	4203	0.55	PPBV	94
20) PENTANE	6.90	57	2915	0.54	PPBV #	82
21) TVHC as EQUIV PENTANE	6.90	TIC	53811m	0.58	PPBV	
22) IODOMETHANE	7.12	142	23968	0.51	PPBV	99
23) 1,1-DICHLOROETHYLENE	7.16	96	9838	0.54	PPBV	96
24) CARBON DISULFIDE	7.55	76	26726	0.52	PPBV	93
25) ETHANOL	6.21	45	4171	0.67	PPBV	86
26) BROMOETHENE	6.28	106	9110	0.52	PPBV	99
27) METHYLENE CHLORIDE	7.26	84	8996	0.58	PPBV	95
28) 3-CHLOROPROPENE	7.35	76	4511	0.51	PPBV #	73
29) FREON 113	7.45	151	16271	0.53	PPBV	99
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	9179	0.49	PPBV	96
31) TERTIARY BUTYL ALCOHOL	7.38	59	19972m	0.57	PPBV	
32) METHYL TERTIARY BUTYL ETHE	8.33	73	23313	0.53	PPBV	99
33) TETRAHYDROFURAN	9.74	72	4221	0.52	PPBV	96
34) HEXANE	9.10	57	16086	0.52	PPBV	99
35) VINYL ACETATE	8.34	86	2013	0.45	PPBV #	82
36) 1,1-DICHLOROETHANE	8.23	63	17102	0.53	PPBV	100
37) METHYL ETHYL KETONE	8.66	72	3868	0.48	PPBV	98
38) cis-1,2-DICHLOROETHYLENE	8.96	96	10073	0.52	PPBV	98
39) DI-ISOPROPYL ETHER	9.13	45	29176	0.52	PPBV	99
40) ETHYL ACETATE	9.18	61	2955	0.58	PPBV #	74
41) CHLOROFORM	9.21	83	18084	0.52	PPBV	97
42) 2,4-DIMETHYLPENTANE	9.88	57	19271	0.52	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:03 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	18718	0.54	PPBV		99
44)	CARBON TETRACHLORIDE	10.66	117	18765	0.52	PPBV		98
45)	1,2-DICHLOROETHANE	9.88	62	10065	0.52	PPBV		99
47)	BENZENE	10.53	78	30507	0.51	PPBV		100
48)	CYCLOHEXANE	10.78	84	15297	0.54	PPBV	#	49
49)	2,3-DIMETHYLPENTANE	10.96	71	7834	0.52	PPBV		99
50)	TRICHLOROETHYLENE	11.50	95	12391	0.50	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	11536	0.55	PPBV		97
52)	BROMODICHLOROMETHANE	11.47	83	19062	0.50	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	50155	0.51	PPBV		100
54)	1,4-DIOXANE	11.74	88	7603	0.67	PPBV	#	1
55)	METHYL METHACRYLATE	11.70	69	8552	0.48	PPBV	#	10
56)	HEPTANE	11.73	43	18448	0.53	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.73	TIC	84239m	0.53	PPBV		
58)	METHYL ISOBUTYL KETONE	12.45	43	18406	0.55	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.32	75	14380	0.46	PPBV		100
60)	TOLUENE	13.29	92	20318	0.49	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.83	75	9953	0.42	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.02	83	9346	0.50	PPBV		99
64)	2-HEXANONE	13.63	43	15530	0.57	PPBV		98
65)	TETRACHLOROETHYLENE	14.43	164	13800	0.56	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.73	129	17636	0.52	PPBV		99
67)	1,2-DIBROMOETHANE	13.98	107	13569	0.49	PPBV		99
68)	OCTANE	14.22	43	22566	0.56	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	14183	0.56	PPBV	#	97
70)	CHLOROBENZENE	15.14	112	24379	0.52	PPBV		88
71)	ETHYLBENZENE	15.52	91	39164	0.52	PPBV		99
72)	m,p-XYLENE	15.70	106	30342	1.03	PPBV		95
73)	o-XYLENE	16.22	106	15244	0.54	PPBV		99
74)	STYRENE	16.11	104	17602	0.42	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.37	75	14150	0.55	PPBV		99
76)	NONANE	16.40	43	19877	0.53	PPBV		100
77)	BROMOFORM	15.83	173	14890	0.47	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	18916	0.55	PPBV		97
80)	ISOPROPYLBENZENE	16.85	105	42390	0.53	PPBV		100
81)	2-CHLOROTOLUENE	17.37	126	9400	0.50	PPBV		97
82)	n-PROPYLBENZENE	17.39	120	10167	0.48	PPBV		95
83)	4-ETHYLTOLUENE	17.55	105	31285	0.45	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	27771	0.50	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	8009	0.54	PPBV		99
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	25077	0.47	PPBV		88
87)	m-DICHLOROBENZENE	18.28	146	13304	0.40	PPBV		96
88)	BENZYL CHLORIDE	18.26	91	9641	0.27	PPBV		99
89)	p-DICHLOROBENZENE	18.35	146	10849	0.34	PPBV		99
90)	SEC-BUTYLBENZENE	18.38	134	8998	0.53	PPBV		98
91)	p-ISOPROPYLTOLUENE	18.56	134	8342	0.51	PPBV		92
92)	o-DICHLOROBENZENE	18.74	146	12439	0.43	PPBV		95
93)	n-BUTYLBENZENE	19.03	134	4457	0.35	PPBV		95
94)	HEXACHLOROBUTADIENE	21.14	225	6935	0.90	PPBV		92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:03 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

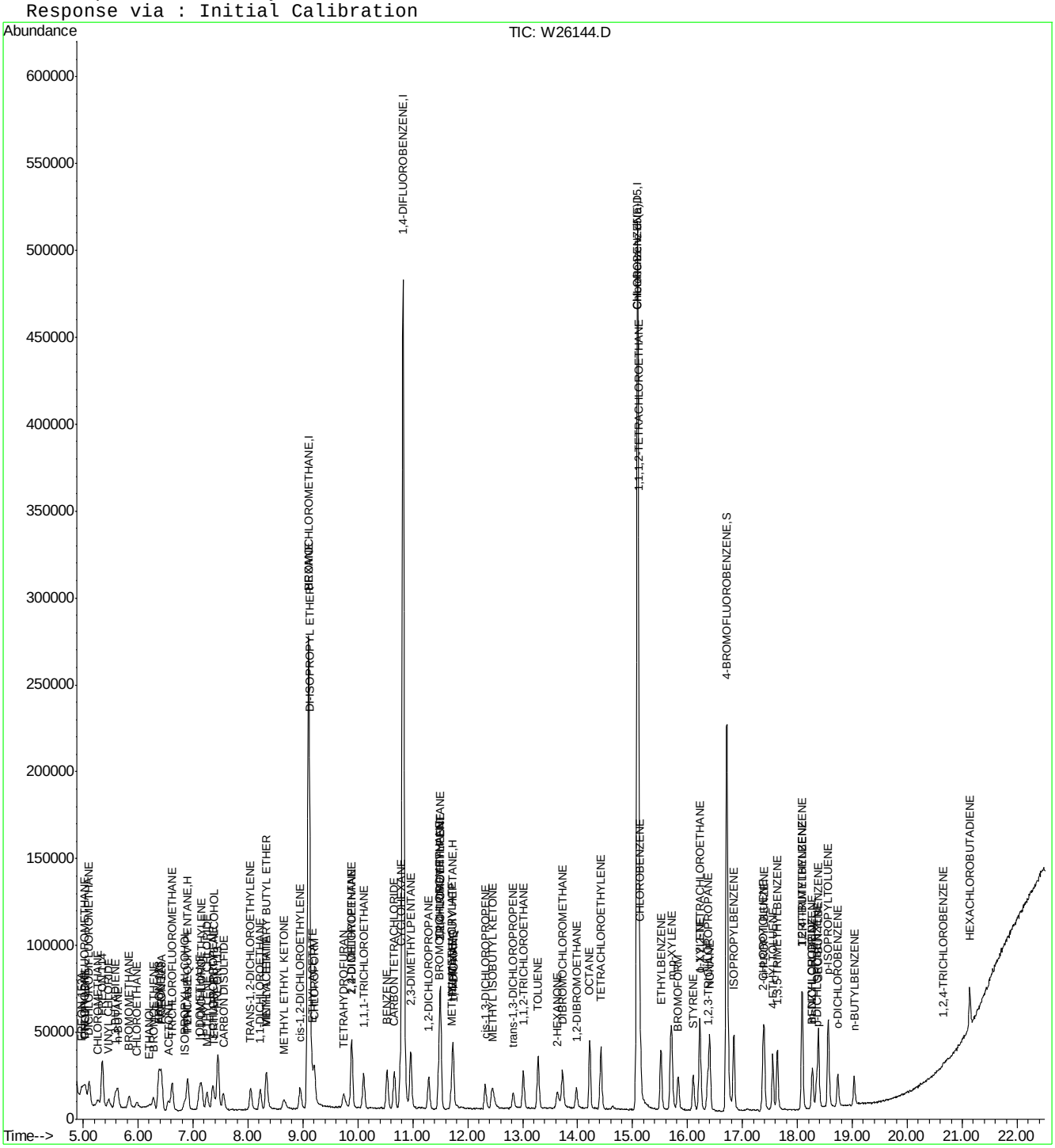
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.66	180	3030	0.53	PPBV #	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26144.D MW1082.M Thu May 06 09:48:23 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:15 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

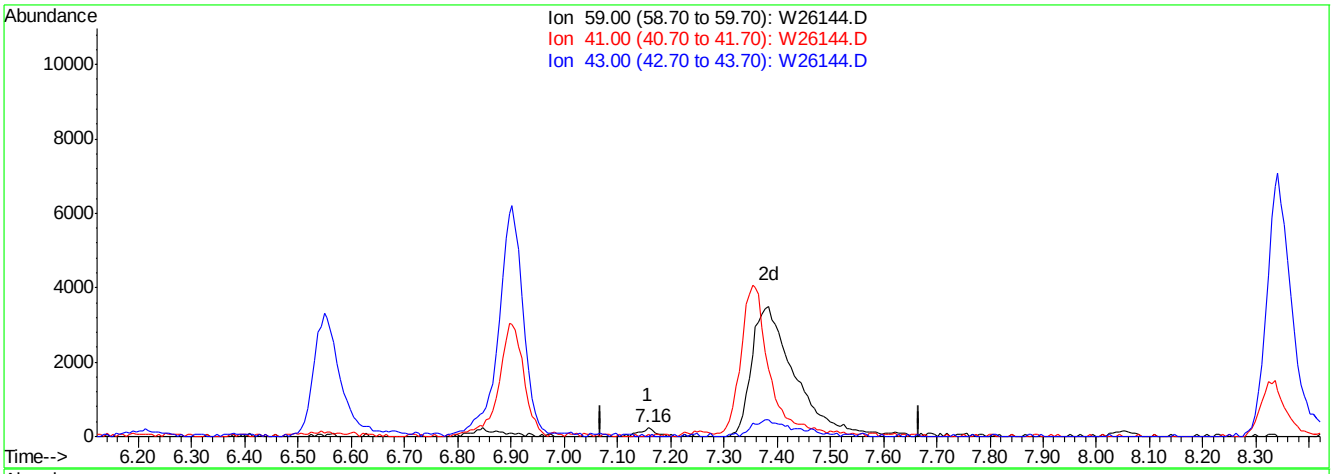


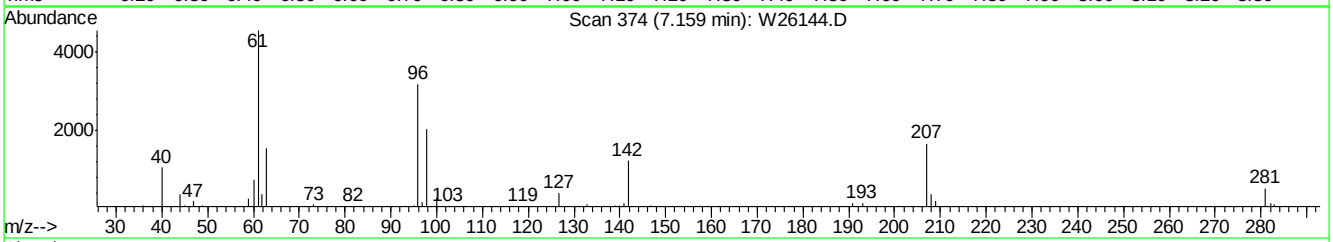
ACCUTEST Laboratories JA45152

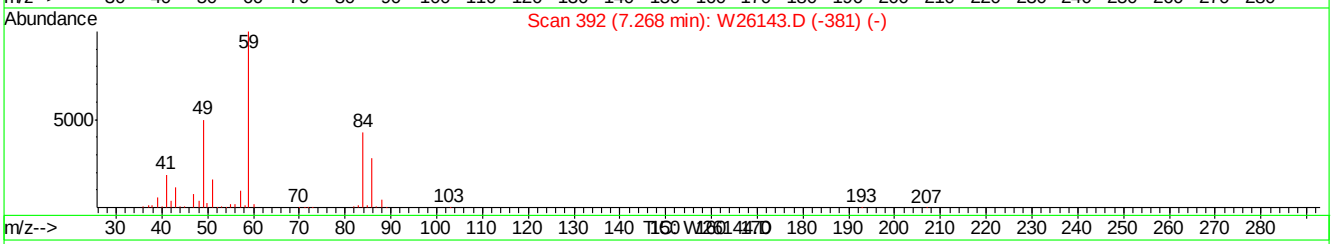
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:14 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Multiple Level Calibration







(31) TERTIARY BUTYL ALCOHOL

7.16min 0.01PPBV

response 473

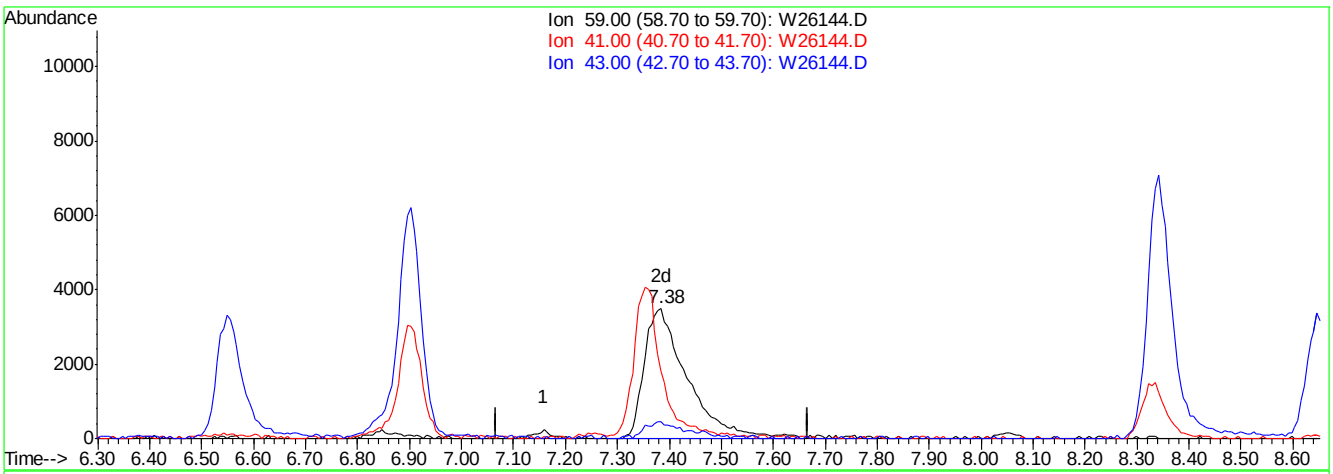
Ion	Exp%	Act%
59.00	100	100
41.00	15.50	0.00
43.00	11.40	0.00
0.00	0.00	0.00

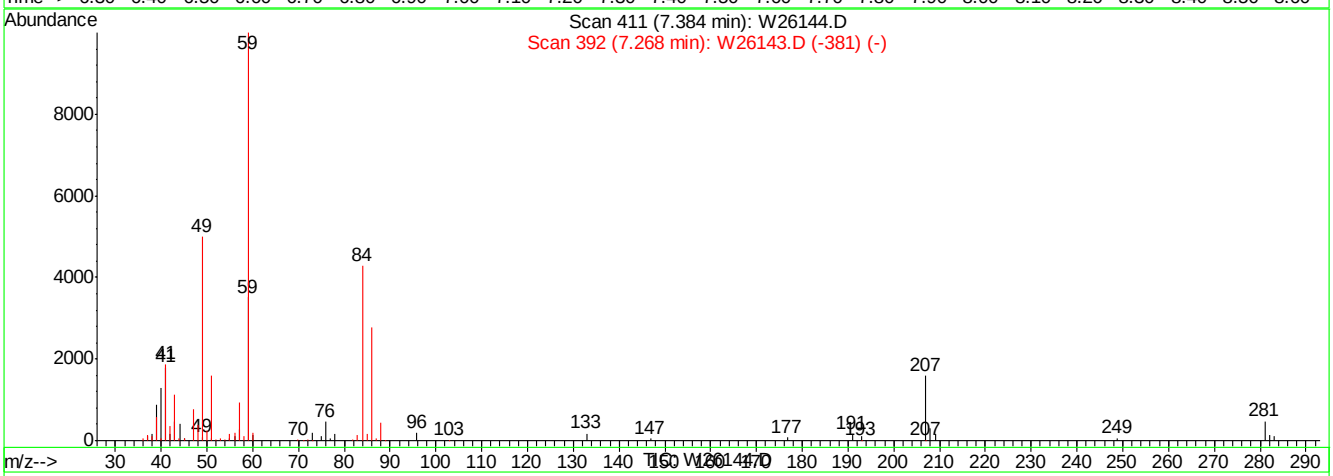
W26144.D MW1082.M Wed May 05 09:14:45 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:14 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Multiple Level Calibration





(31) TERTIARY BUTYL ALCOHOL

7.38min 0.57PPBV m

response 19972

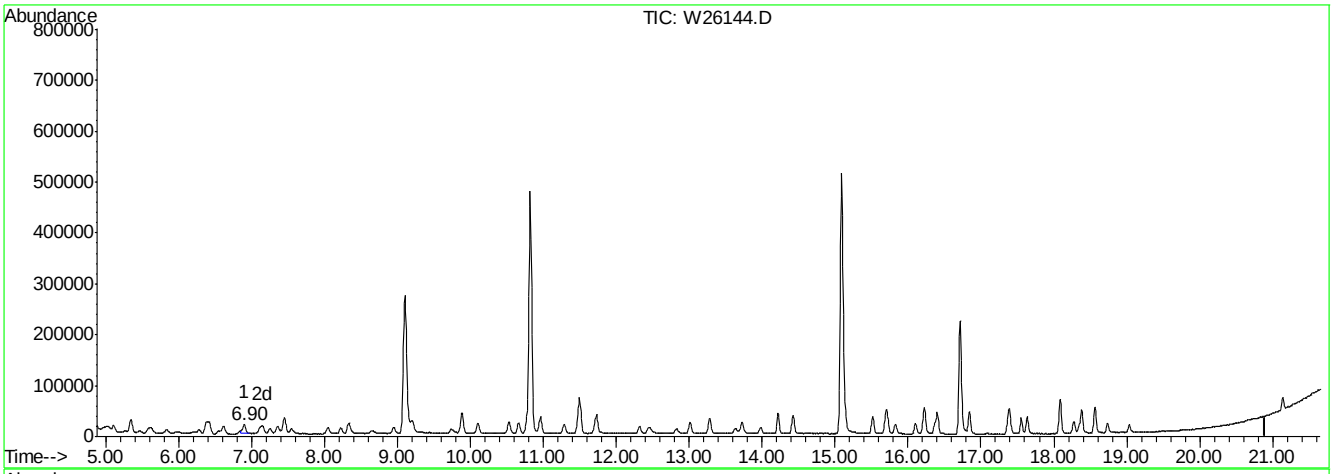
Ion	Exp%	Act%
59.00	100	100
41.00	15.50	0.00
43.00	11.40	0.00
0.00	0.00	0.00

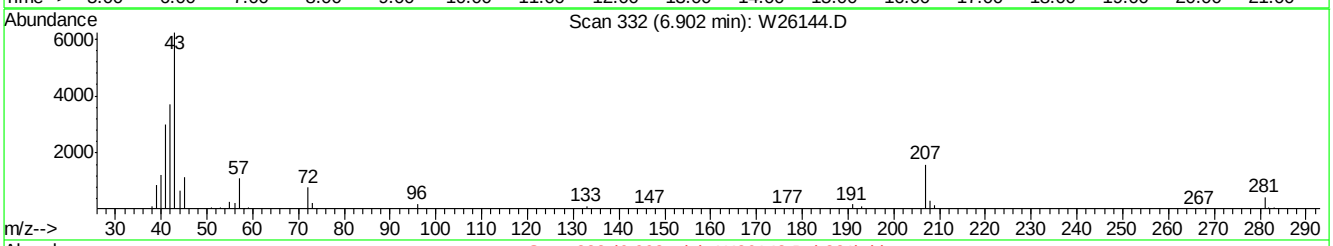
W26144.D MW1082.M Wed May 05 09:14:52 2010 MSW

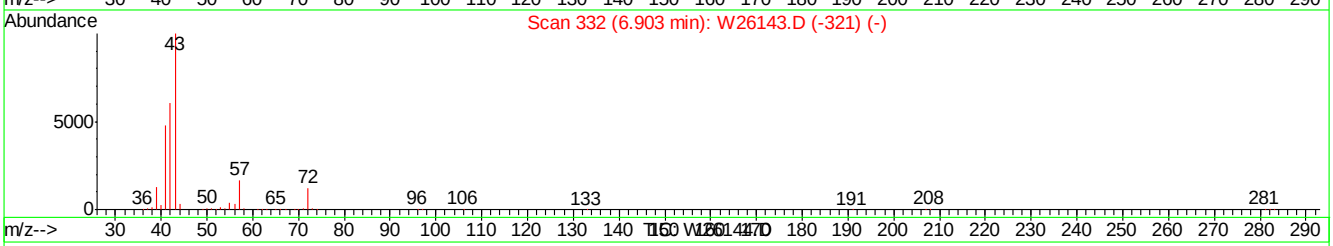
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:15 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 0.58PPBV m

response 53811

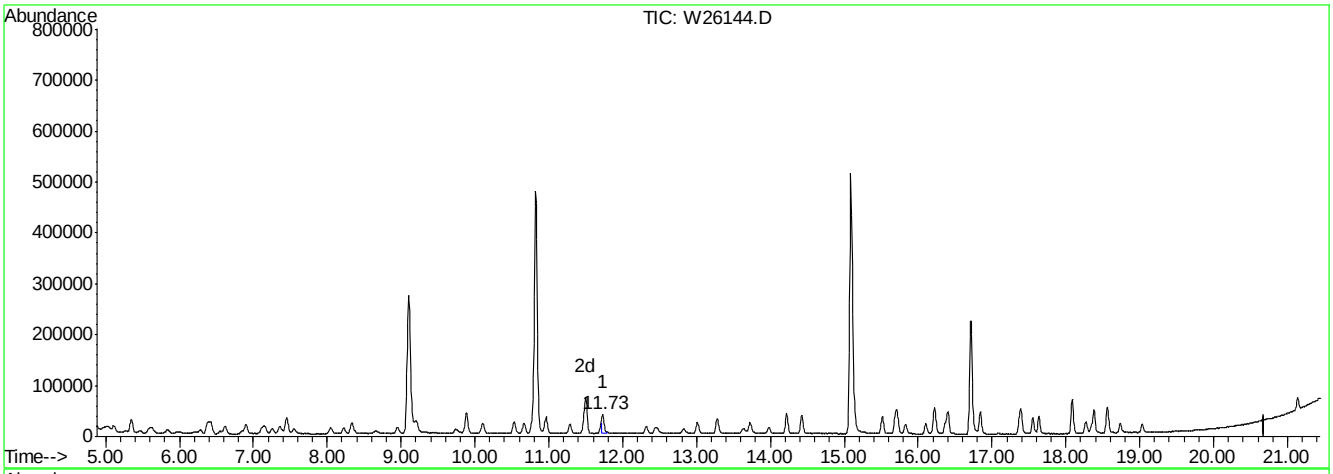
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

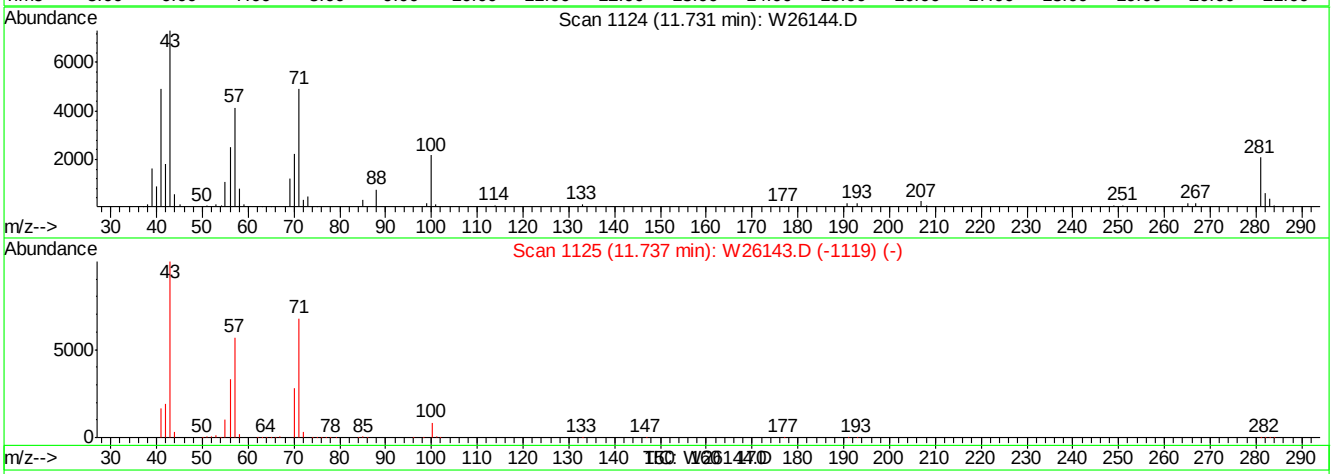
W26144.D MW1082.M Thu May 06 09:49:21 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26144.D Vial: 1
Acq On : 4 May 2010 7:19 pm Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:15 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.73min 0.53PPBV m

response 84239

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26144.D MW1082.M Thu May 06 09:49:24 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:11 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	131325	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	633013	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	275674	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	275674	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	142397	4.97	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.40%				
Target Compounds							Qvalue
3) FREON 152A	4.97	65	58378	5.44	PPBV		98
4) CHLORODIFLUOROMETHANE	5.01	67	20263	5.38	PPBV		98
5) DICHLORODIFLUOROMETHANE	5.11	85	227325	5.43	PPBV		100
6) PROPYLENE	5.04	41	77993	5.35	PPBV		97
7) FREON 114	5.35	85	276567	5.38	PPBV		100
8) CHLOROMETHANE	5.27	52	28140	5.35	PPBV		93
9) VINYL CHLORIDE	5.46	62	104644	5.34	PPBV		99
10) 1,3-BUTADIENE	5.59	54	81986	5.32	PPBV		100
11) n-BUTANE	5.63	43	159889	5.37	PPBV		100
12) BROMOMETHANE	5.84	94	96294	5.48	PPBV		99
13) CHLOROETHANE	5.98	64	60621	5.43	PPBV		100
14) ACROLEIN	6.40	56	33039	5.11	PPBV		99
15) FREON 123	6.38	83	243881	5.42	PPBV	#	99
16) FREON 123A	6.43	117	144992	5.46	PPBV		98
17) TRICHLOROFLUOROMETHANE	6.62	101	230910	5.42	PPBV		99
18) ISOPROPYL ALCOHOL	6.77	45	156341	5.35	PPBV		98
19) ACETONE	6.53	58	41981	5.26	PPBV		99
20) PENTANE	6.91	57	31120	5.48	PPBV		96
21) TVHC as EQUIV PENTANE	6.90	TIC	524150m	5.43	PPBV		
22) IODOMETHANE	7.12	142	273929	5.55	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.16	96	104254	5.47	PPBV		100
24) CARBON DISULFIDE	7.55	76	298972	5.54	PPBV		99
25) ETHANOL	6.17	45	35572	5.45	PPBV		97
26) BROMOETHENE	6.28	106	101976	5.52	PPBV		99
27) METHYLENE CHLORIDE	7.26	84	87365	5.40	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	49671	5.36	PPBV	#	76
29) FREON 113	7.46	151	177891	5.53	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	106405	5.43	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.29	59	203006	5.54	PPBV	#	78
32) METHYL TERTIARY BUTYL ETHE	8.31	73	250651	5.46	PPBV		99
33) TETRAHYDROFURAN	9.68	72	47115	5.57	PPBV		96
34) HEXANE	9.10	57	173983	5.40	PPBV		100
35) VINYL ACETATE	8.34	86	24623	5.30	PPBV	#	94
36) 1,1-DICHLOROETHANE	8.23	63	183904	5.40	PPBV		100
37) METHYL ETHYL KETONE	8.62	72	45260	5.35	PPBV		99
38) cis-1,2-DICHLOROETHYLENE	8.95	96	108864	5.42	PPBV		98
39) DI-ISOPROPYL ETHER	9.12	45	317305	5.40	PPBV		100
40) ETHYL ACETATE	9.16	61	28694	5.42	PPBV	#	90
41) CHLOROFORM	9.21	83	196296	5.40	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.89	57	212429	5.43	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:11 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	195207	5.42	PPBV		100
44)	CARBON TETRACHLORIDE	10.67	117	205059	5.44	PPBV		99
45)	1,2-DICHLOROETHANE	9.88	62	106520	5.27	PPBV		100
47)	BENZENE	10.54	78	330620	5.39	PPBV		100
48)	CYCLOHEXANE	10.78	84	162757	5.55	PPBV		99
49)	2,3-DIMETHYLPENTANE	10.96	71	83944	5.44	PPBV		99
50)	TRICHLOROETHYLENE	11.51	95	136363	5.38	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	116793	5.39	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	211339	5.37	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	546047	5.40	PPBV		100
54)	1,4-DIOXANE	11.62	88	64951	5.58	PPBV		98
55)	METHYL METHACRYLATE	11.69	69	97941	5.40	PPBV		94
56)	HEPTANE	11.74	43	192127	5.39	PPBV		100
57)	TVHC as EQUIV HEPTANE	11.74	TIC	904657m	5.53	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	186059	5.41	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.32	75	171039	5.34	PPBV		98
60)	TOLUENE	13.29	92	227274	5.33	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.83	75	126807	5.16	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.01	83	103066	5.37	PPBV		100
64)	2-HEXANONE	13.59	43	164814	5.48	PPBV		100
65)	TETRACHLOROETHYLENE	14.43	164	156178	5.70	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.73	129	209618	5.59	PPBV		100
67)	1,2-DIBROMOETHANE	13.98	107	169333	5.51	PPBV		100
68)	OCTANE	14.22	43	245772	5.50	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.12	131	156456	5.56	PPBV	#	99
70)	CHLOROBENZENE	15.14	112	284005	5.52	PPBV		100
71)	ETHYLBENZENE	15.52	91	459801	5.54	PPBV		100
72)	m,p-XYLENE	15.71	106	357179	10.96	PPBV		98
73)	o-XYLENE	16.22	106	173043	5.50	PPBV		100
74)	STYRENE	16.11	104	246349	5.36	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.37	75	154777	5.47	PPBV		99
76)	NONANE	16.41	43	228223	5.47	PPBV		100
77)	BROMOFORM	15.83	173	189543	5.47	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	204833	5.43	PPBV		99
80)	ISOPROPYLBENZENE	16.85	105	485467	5.49	PPBV		100
81)	2-CHLOROTOLUENE	17.38	126	114337	5.46	PPBV		99
82)	n-PROPYLBENZENE	17.39	120	126593	5.36	PPBV		98
83)	4-ETHYLTOLUENE	17.55	105	412666	5.37	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	334036	5.48	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	88448	5.42	PPBV		100
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	313652	5.36	PPBV		99
87)	m-DICHLOROBENZENE	18.28	146	194271	5.23	PPBV		100
88)	BENZYL CHLORIDE	18.26	91	193442	4.97	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	180807	5.18	PPBV		99
90)	SEC-BUTYLBENZENE	18.38	134	100819	5.34	PPBV		98
91)	p-ISOPROPYLTOLUENE	18.56	134	96733	5.37	PPBV		99
92)	o-DICHLOROBENZENE	18.74	146	168954	5.30	PPBV		99
93)	n-BUTYLBENZENE	19.03	134	70160	5.04	PPBV		97
94)	HEXACHLOROBUTADIENE	21.14	225	45728	5.38	PPBV		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:11 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

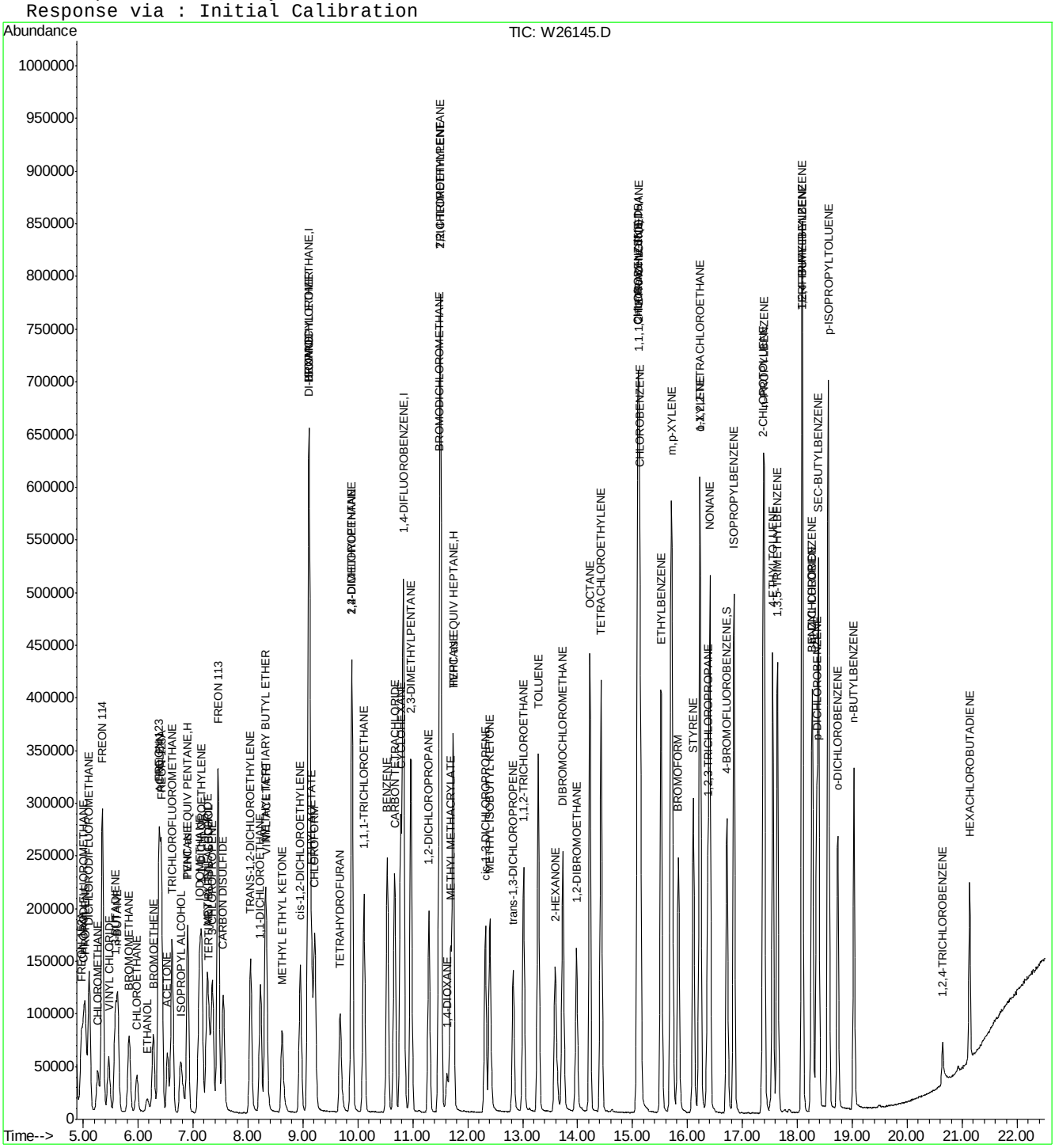
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	33234	5.28	PPBV	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:19 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

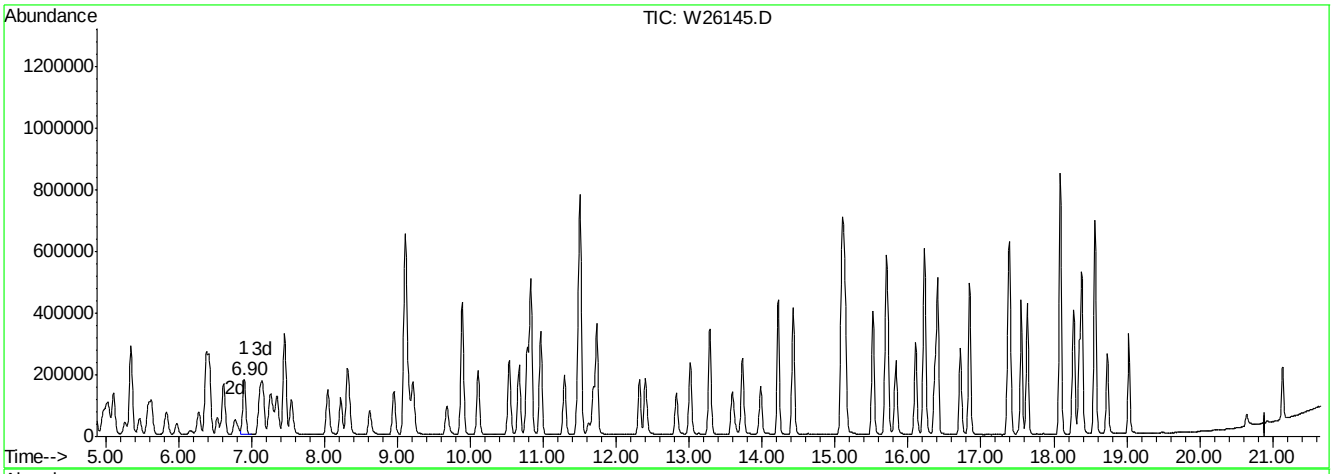


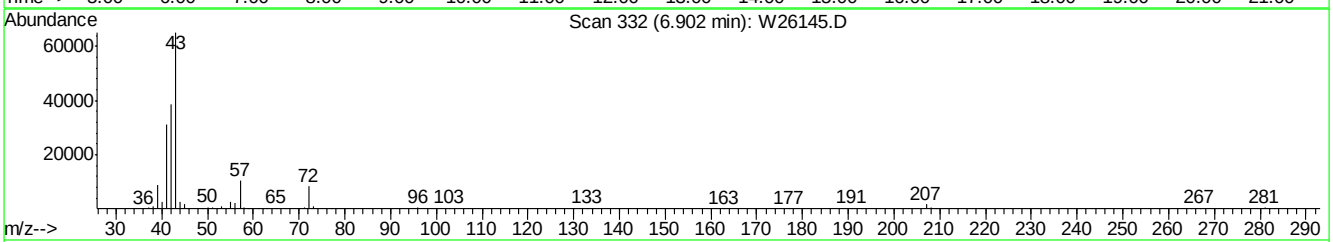
ACCUTEST JA45152 Laboratories

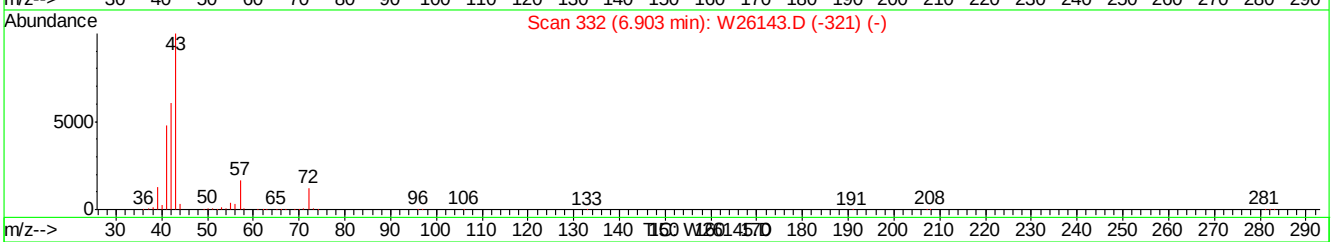
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 5.43PPBV m

response 524150

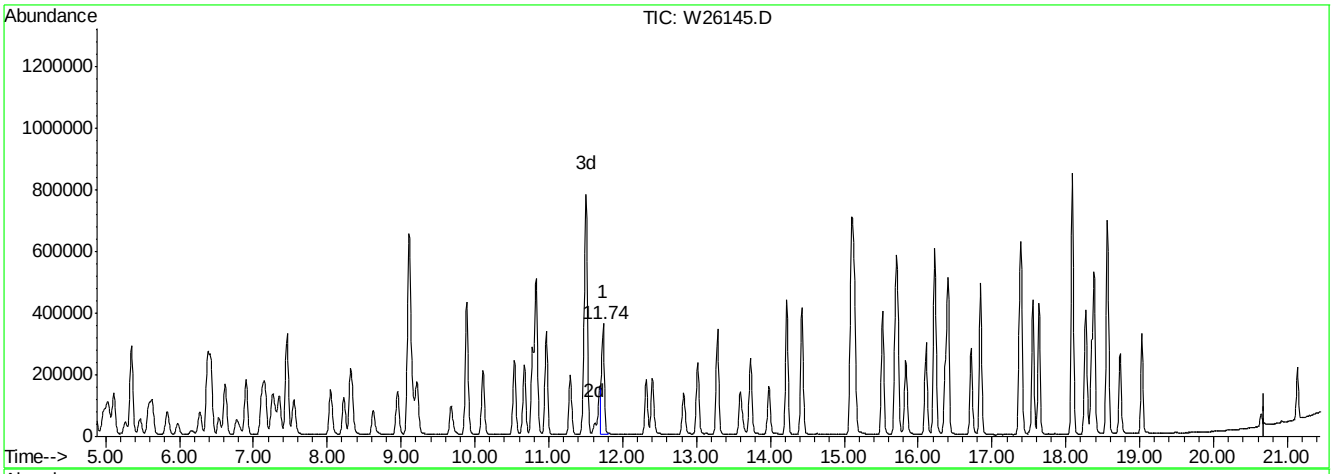
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

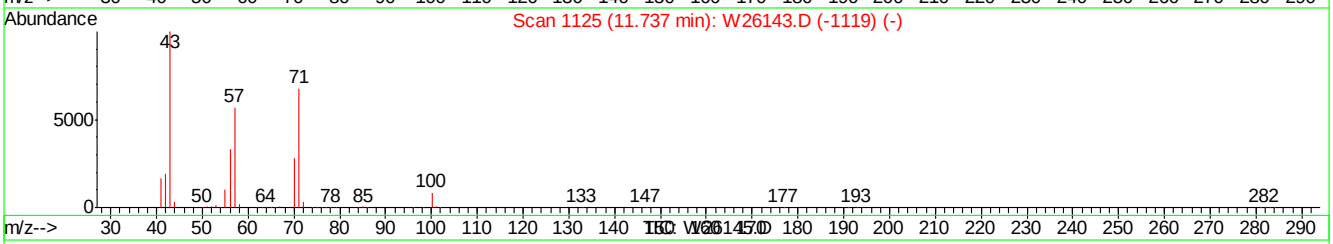
W26145.D MW1082.M Thu May 06 09:49:33 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26145.D Vial: 2
Acq On : 4 May 2010 8:41 pm Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 5.53PPBV m

response 904657

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26145.D MW1082.M Thu May 06 09:49:37 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:22 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	127993	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	614756	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	299827	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	299827	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	157027	5.04	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 100.80%				
Target Compounds							Qvalue
3) FREON 152A	4.96	65	212276	20.28	PPBV		98
4) CHLORODIFLUOROMETHANE	5.01	67	72919	19.86	PPBV		97
5) DICHLORODIFLUOROMETHANE	5.11	85	806669	19.78	PPBV		99
6) PROPYLENE	5.04	41	283436	19.95	PPBV		98
7) FREON 114	5.35	85	1003778	20.04	PPBV		100
8) CHLOROMETHANE	5.26	52	101831	19.86	PPBV		99
9) VINYL CHLORIDE	5.46	62	381392	19.95	PPBV		100
10) 1,3-BUTADIENE	5.59	54	303141	20.17	PPBV		99
11) n-BUTANE	5.63	43	573082	19.75	PPBV		100
12) BROMOMETHANE	5.83	94	344327	20.10	PPBV		100
13) CHLOROETHANE	5.98	64	219894	20.19	PPBV		99
14) ACROLEIN	6.39	56	137720	21.87	PPBV		100
15) FREON 123	6.38	83	889877	20.30	PPBV	#	100
16) FREON 123A	6.42	117	523020	20.22	PPBV		100
17) TRICHLOROFLUOROMETHANE	6.62	101	824078	19.86	PPBV		100
18) ISOPROPYL ALCOHOL	6.75	45	609770	21.41	PPBV		99
19) ACETONE	6.52	58	170525	21.94	PPBV		99
20) PENTANE	6.90	57	109272	19.75	PPBV		99
21) TVHC as EQUIV PENTANE	6.90	TIC	1868358m	19.85	PPBV		
22) IODOMETHANE	7.12	142	972041	20.22	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.16	96	372747	20.06	PPBV		99
24) CARBON DISULFIDE	7.55	76	1047071	19.91	PPBV		100
25) ETHANOL	6.14	45	138055	21.70	PPBV		99
26) BROMOETHENE	6.27	106	361929	20.11	PPBV		100
27) METHYLENE CHLORIDE	7.25	84	319857	20.28	PPBV		99
28) 3-CHLOROPROPENE	7.35	76	184528	20.44	PPBV		99
29) FREON 113	7.46	151	635195	20.28	PPBV		100
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	389997	20.41	PPBV		99
31) TERTIARY BUTYL ALCOHOL	7.27	59	753113	21.08	PPBV		99
32) METHYL TERTIARY BUTYL ETHE	8.30	73	997442	22.29	PPBV		100
33) TETRAHYDROFURAN	9.66	72	185820	22.53	PPBV		99
34) HEXANE	9.10	57	636833	20.29	PPBV		98
35) VINYL ACETATE	8.34	86	99991	22.10	PPBV		99
36) 1,1-DICHLOROETHANE	8.23	63	678709	20.44	PPBV		100
37) METHYL ETHYL KETONE	8.61	72	183423	22.24	PPBV		99
38) cis-1,2-DICHLOROETHYLENE	8.95	96	406612	20.78	PPBV		99
39) DI-ISOPROPYL ETHER	9.12	45	1282114	22.38	PPBV		100
40) ETHYL ACETATE	9.16	61	118005	22.86	PPBV		98
41) CHLOROFORM	9.22	83	717124	20.25	PPBV		100
42) 2,4-DIMETHYLPENTANE	9.89	57	783616	20.54	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:22 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	719350	20.49	PPBV		100
44)	CARBON TETRACHLORIDE	10.67	117	749911	20.40	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	414237	21.03	PPBV		99
47)	BENZENE	10.54	78	1245182	20.91	PPBV		100
48)	CYCLOHEXANE	10.78	84	580155	20.39	PPBV		98
49)	2,3-DIMETHYLPENTANE	10.97	71	309635	20.68	PPBV		99
50)	TRICHLOROETHYLENE	11.51	95	522340	21.23	PPBV		100
51)	1,2-DICHLOROPROPANE	11.30	63	447981	21.29	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	810703	21.22	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	2068049	21.06	PPBV		100
54)	1,4-DIOXANE	11.58	88	249237	22.07	PPBV		98
55)	METHYL METHACRYLATE	11.69	69	410206	23.30	PPBV		95
56)	HEPTANE	11.74	43	718428	20.76	PPBV		100
57)	TVHC as EQUIV HEPTANE	11.74	TIC	3177924m	20.00	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	750838	22.48	PPBV		100
59)	cis-1,3-DICHLOROPROPENE	12.32	75	671457	21.58	PPBV		100
60)	TOLUENE	13.29	92	896471	21.66	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.83	75	530383	22.21	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.02	83	401420	21.54	PPBV		100
64)	2-HEXANONE	13.58	43	692174	21.15	PPBV		100
65)	TETRACHLOROETHYLENE	14.43	164	592027	19.85	PPBV		100
66)	DIBROMOCHLOROMETHANE	13.74	129	814004	19.96	PPBV		99
67)	1,2-DIBROMOETHANE	13.99	107	683113	20.43	PPBV		100
68)	OCTANE	14.22	43	956848	19.70	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	625313	20.45	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	1146214	20.50	PPBV		99
71)	ETHYLBENZENE	15.53	91	1842826	20.41	PPBV		100
72)	m,p-XYLENE	15.72	106	1479486	41.74	PPBV		99
73)	o-XYLENE	16.23	106	712556	20.83	PPBV		100
74)	STYRENE	16.11	104	1051351	21.04	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.38	75	653384	21.21	PPBV		100
76)	NONANE	16.41	43	919214	20.25	PPBV		99
77)	BROMOFORM	15.85	173	779256	20.69	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	863661	21.06	PPBV		100
80)	ISOPROPYLBENZENE	16.85	105	1995785	20.75	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	473664	20.79	PPBV		100
82)	n-PROPYLBENZENE	17.41	120	548534	21.37	PPBV		95
83)	4-ETHYLTOLUENE	17.57	105	1783309	21.34	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	1416005	21.37	PPBV		100
85)	TERT-BUTYLBENZENE	18.10	134	391552	22.07	PPBV		98
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	1403221	22.05	PPBV		99
87)	m-DICHLOROBENZENE	18.28	146	867859	21.50	PPBV		100
88)	BENZYL CHLORIDE	18.27	91	959779	22.65	PPBV		100
89)	p-DICHLOROBENZENE	18.36	146	817386	21.55	PPBV		100
90)	SEC-BUTYLBENZENE	18.39	134	449293	21.87	PPBV		97
91)	p-ISOPROPYLTOLUENE	18.56	134	442516	22.59	PPBV		96
92)	o-DICHLOROBENZENE	18.74	146	742330	21.40	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	339059	22.40	PPBV		98
94)	HEXACHLOROBUTADIENE	21.14	225	164907	17.84	PPBV		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:22 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

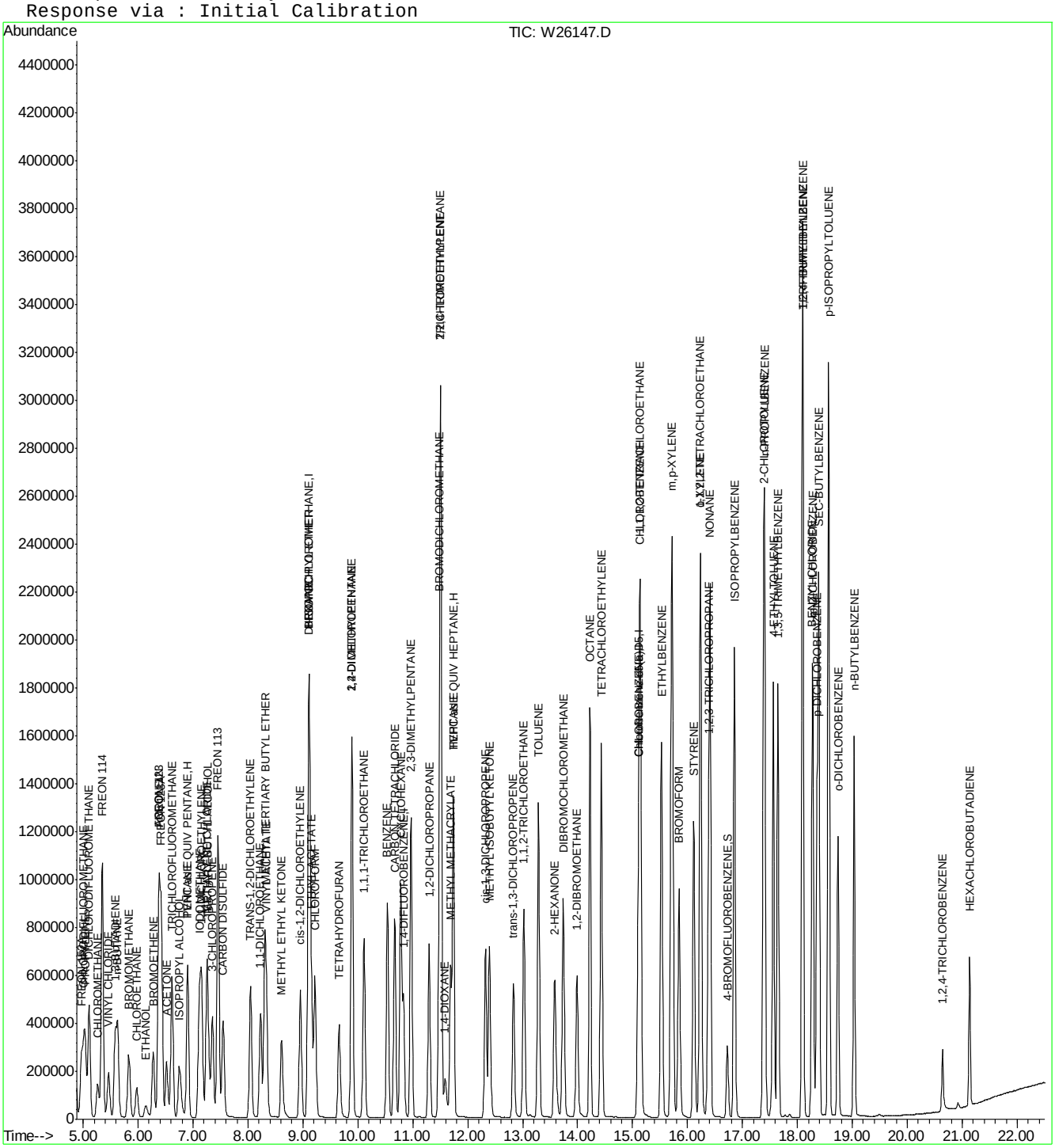
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	145560	21.25	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:18 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

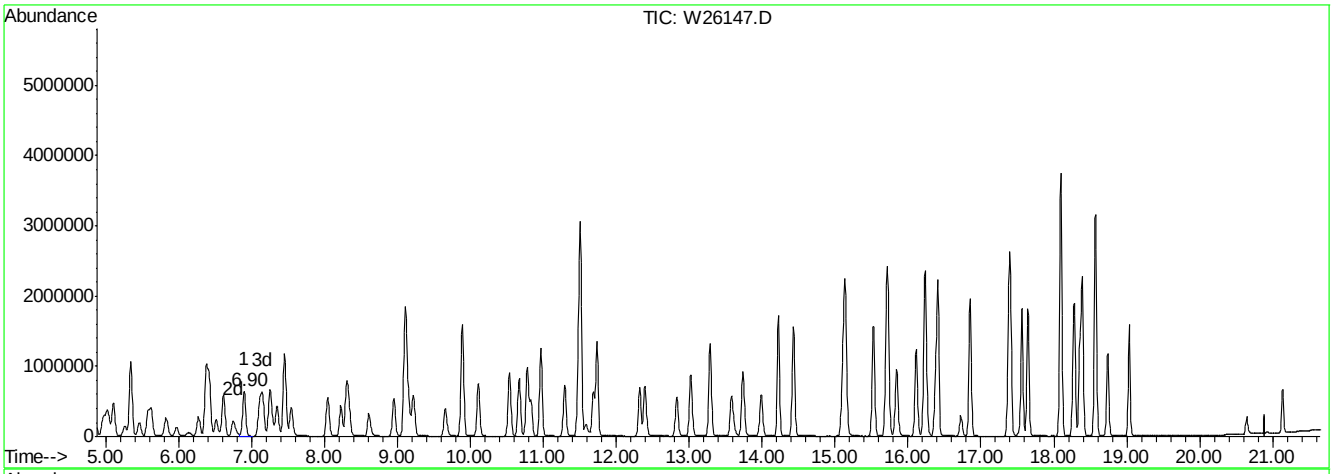


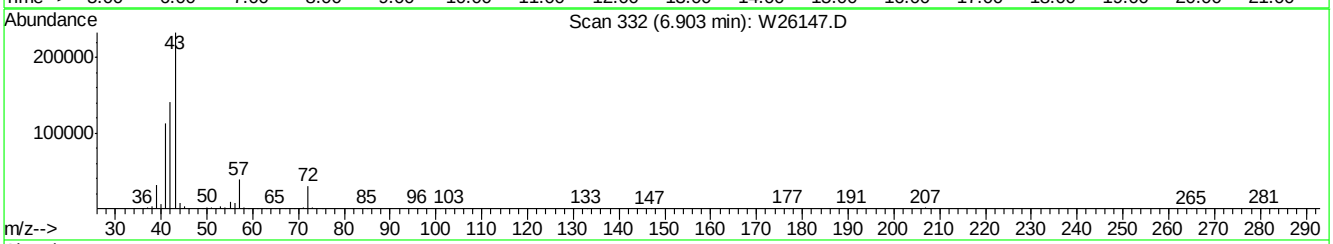
ACCUTEST JA45152 Laboratories

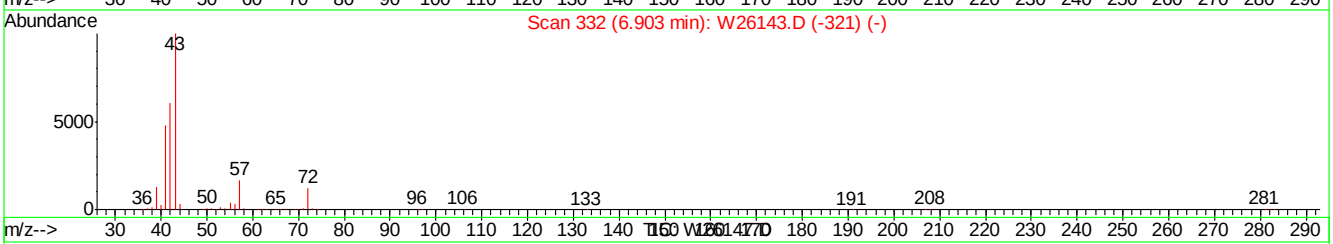
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 19.85PPBV m

response 1868358

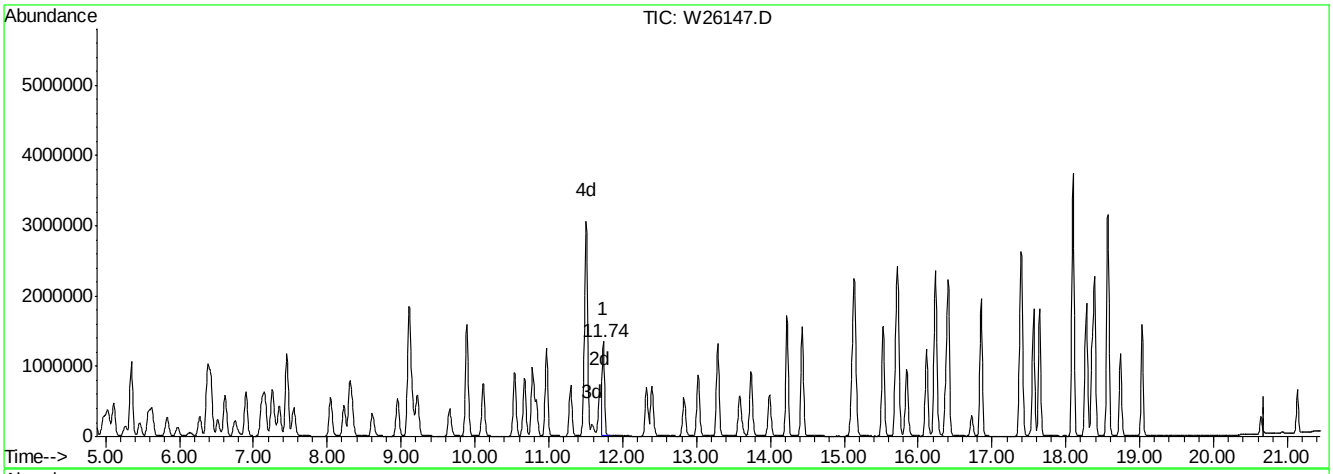
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.01#
0.00	0.00	0.00

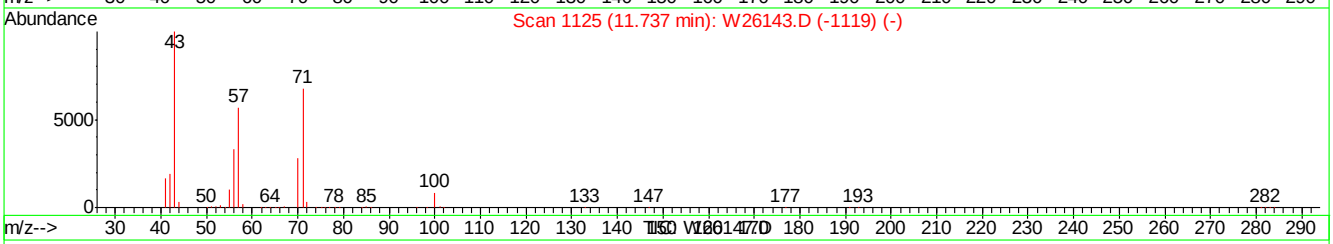
W26147.D MW1082.M Thu May 06 09:49:47 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26147.D Vial: 2
Acq On : 4 May 2010 10:03 pm Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 20.00PPBV m

response 3177924

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

W26147.D MW1082.M Thu May 06 09:49:51 2010 MSW

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 05/10/10 14:49

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:28 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	127091	10.00	PPBV		-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	624372	10.00	PPBV		-0.01
63) CHLOROBENZENE-D5	15.08	82	250773	10.00	PPBV		-0.01
96) Chlorobenzene-d5(a)	15.08	82	250773	10.00	PPBV		-0.01
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.71	95	114338	4.39	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.80%				
Target Compounds							Qvalue
3) FREON 152A	4.98	65	1078	0.10	PPBV	#	52
5) DICHLORODIFLUOROMETHANE	5.11	85	4381	0.11	PPBV		95
6) PROPYLENE	5.04	41	1545m	0.11	PPBV		
7) FREON 114	5.34	85	5023	0.10	PPBV		98
8) CHLOROMETHANE	5.26	52	538	0.11	PPBV	#	42
9) VINYL CHLORIDE	5.46	62	1986	0.10	PPBV		95
10) 1,3-BUTADIENE	5.59	54	1460	0.10	PPBV	#	77
11) n-BUTANE	5.62	43	3419	0.12	PPBV	#	97
12) BROMOMETHANE	5.84	94	1632	0.10	PPBV	#	75
13) CHLOROETHANE	5.98	64	1095	0.10	PPBV		87
14) ACROLEIN	6.39	56	645	0.10	PPBV		91
15) FREON 123	6.37	83	4632	0.11	PPBV	#	73
16) FREON 123A	6.41	117	2675	0.10	PPBV	#	97
17) TRICHLOROFLUOROMETHANE	6.62	101	4324	0.10	PPBV		97
18) ISOPROPYL ALCOHOL	6.84	45	3630	0.13	PPBV		86
19) ACETONE	6.55	58	905	0.12	PPBV	#	75
20) PENTANE	6.90	57	489	0.09	PPBV	#	32
21) TVHC as EQUIV PENTANE	6.90	TIC	10937m	0.12	PPBV		
22) IODOMETHANE	7.10	142	4803	0.10	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.15	96	2244	0.12	PPBV	#	84
24) CARBON DISULFIDE	7.55	76	5785	0.11	PPBV		91
26) BROMOETHENE	6.28	106	1765	0.10	PPBV	#	98
28) 3-CHLOROPROPENE	7.36	76	933	0.10	PPBV	#	61
29) FREON 113	7.45	151	3265	0.10	PPBV		94
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	2249	0.12	PPBV		86
31) TERTIARY BUTYL ALCOHOL	7.37	59	4041	0.11	PPBV	#	71
32) METHYL TERTIARY BUTYL ETHE	8.33	73	4993	0.11	PPBV		95
33) TETRAHYDROFURAN	9.75	72	812	0.10	PPBV	#	89
34) HEXANE	9.09	57	3001	0.10	PPBV		94
35) VINYL ACETATE	8.35	86	323	0.07	PPBV	#	23
36) 1,1-DICHLOROETHANE	8.21	63	3506	0.11	PPBV		96
37) METHYL ETHYL KETONE	8.64	72	673	0.08	PPBV	#	65
38) cis-1,2-DICHLOROETHYLENE	8.93	96	2261	0.12	PPBV		88
39) DI-ISOPROPYL ETHER	9.13	45	6236	0.11	PPBV		95
40) ETHYL ACETATE	9.18	61	537	0.10	PPBV	#	92
41) CHLOROFORM	9.20	83	3672	0.10	PPBV		92
42) 2,4-DIMETHYLPENTANE	9.88	57	4006	0.11	PPBV		93
43) 1,1,1-TRICHLOROETHANE	10.10	97	3745	0.11	PPBV		96
44) CARBON TETRACHLORIDE	10.66	117	3809	0.10	PPBV		96
45) 1,2-DICHLOROETHANE	9.88	62	1810	0.09	PPBV		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:28 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

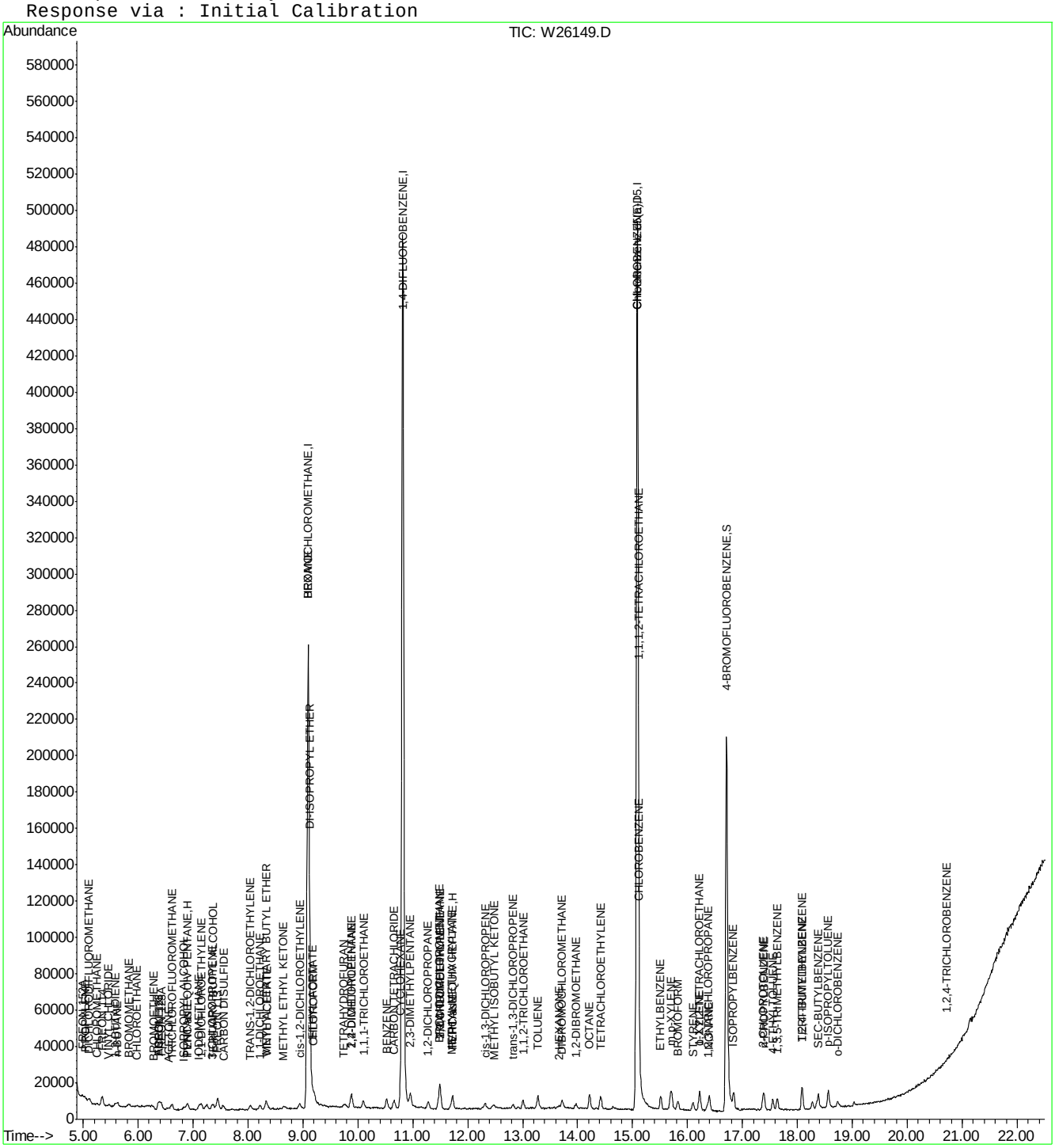
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	BENZENE	10.52	78	6242	0.10	PPBV		99
48)	CYCLOHEXANE	10.77	84	3290	0.11	PPBV	#	4
49)	2,3-DIMETHYLPENTANE	10.96	71	1596	0.10	PPBV		98
50)	TRICHLOROETHYLENE	11.49	95	2600	0.10	PPBV		97
51)	1,2-DICHLOROPROPANE	11.28	63	2602	0.12	PPBV		89
52)	BROMODICHLOROMETHANE	11.47	83	3793	0.10	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.49	57	9809	0.10	PPBV		99
55)	METHYL METHACRYLATE	11.70	69	1773	0.10	PPBV	#	3
56)	HEPTANE	11.72	43	3760	0.11	PPBV		95
57)	TVHC as EQUIV HEPTANE	11.72	TIC	16518m	0.10	PPBV		
58)	METHYL ISOBUTYL KETONE	12.47	43	2991	0.09	PPBV	#	71
59)	cis-1,3-DICHLOROPROPENE	12.32	75	3179	0.10	PPBV		95
60)	TOLUENE	13.28	92	4268	0.10	PPBV		90
61)	trans-1,3-DICHLOROPROPENE	12.82	75	2188	0.09	PPBV		91
62)	1,1,2-TRICHLOROETHANE	13.01	83	1858	0.10	PPBV		99
64)	2-HEXANONE	13.66	43	2169	0.08	PPBV		80
65)	TETRACHLOROETHYLENE	14.42	164	2801	0.11	PPBV		98
66)	DIBROMOCHLOROMETHANE	13.72	129	3656	0.11	PPBV		98
67)	1,2-DIBROMOETHANE	13.97	107	2816	0.10	PPBV		95
68)	OCTANE	14.22	43	4496	0.11	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	2943	0.12	PPBV	#	95
70)	CHLOROBENZENE	15.13	112	5331	0.11	PPBV		93
71)	ETHYLBENZENE	15.51	91	8272	0.11	PPBV		100
72)	m,p-XYLENE	15.71	106	6515	0.22	PPBV	#	93
73)	o-XYLENE	16.22	106	3181	0.11	PPBV		96
74)	STYRENE	16.10	104	3778	0.09	PPBV		96
75)	1,2,3-TRICHLOROPROPANE	16.36	75	3440	0.13	PPBV	#	89
76)	NONANE	16.40	43	3603	0.09	PPBV		96
77)	BROMOFORM	15.83	173	3281	0.10	PPBV		97
79)	1,1,2,2-TETRACHLOROETHANE	16.22	83	3717	0.11	PPBV		99
80)	ISOPROPYLBENZENE	16.84	105	8679	0.11	PPBV		99
81)	2-CHLOROTOLUENE	17.37	126	1957	0.10	PPBV	#	93
82)	n-PROPYLBENZENE	17.39	120	2020	0.09	PPBV		90
83)	4-ETHYLTOLUENE	17.55	105	5920	0.08	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.63	105	5446	0.10	PPBV		95
85)	TERT-BUTYLBENZENE	18.08	134	1514	0.10	PPBV		98
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	4652	0.09	PPBV	#	84
90)	SEC-BUTYLBENZENE	18.39	134	1645	0.10	PPBV	#	89
91)	p-ISOPROPYLTOLUENE	18.55	134	1473	0.09	PPBV	#	92
92)	o-DICHLOROBENZENE	18.74	146	2838	0.10	PPBV		99
95)	1,2,4-TRICHLOROBENZENE	20.72	180	651	0.11	PPBV	#	18

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:22 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

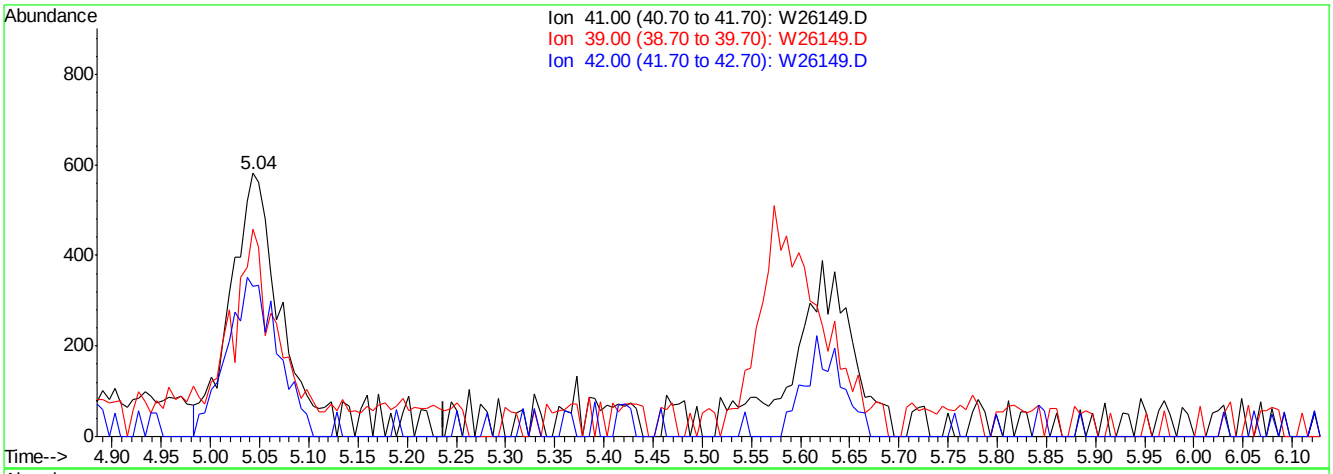


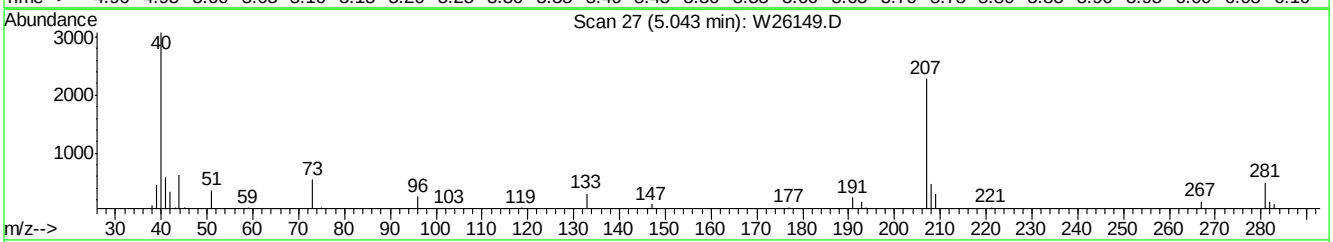
ACCUTEST JA45152 Laboratories

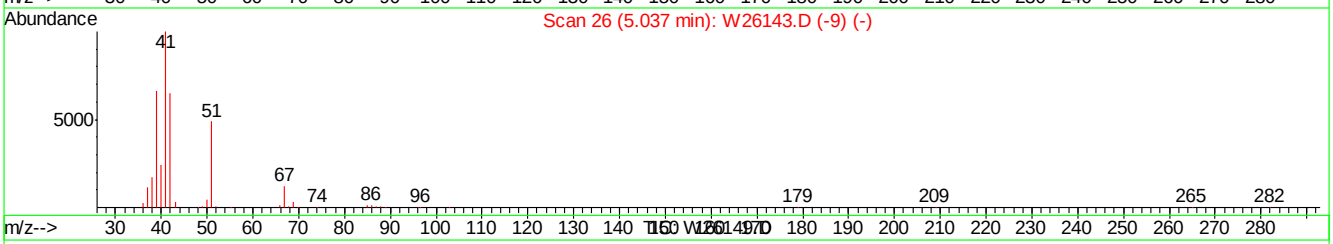
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Multiple Level Calibration







(6) PROPYLENE

5.04min 0.14PPBV

response 2043

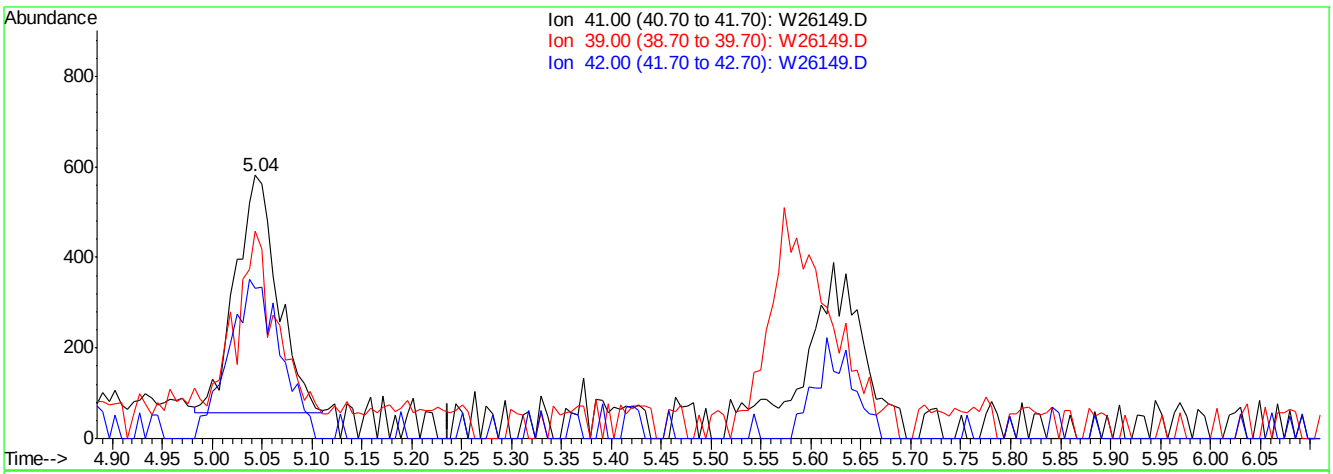
Ion	Exp%	Act%
41.00	100	100
39.00	66.30	79.00
42.00	65.00	57.14
0.00	0.00	0.00

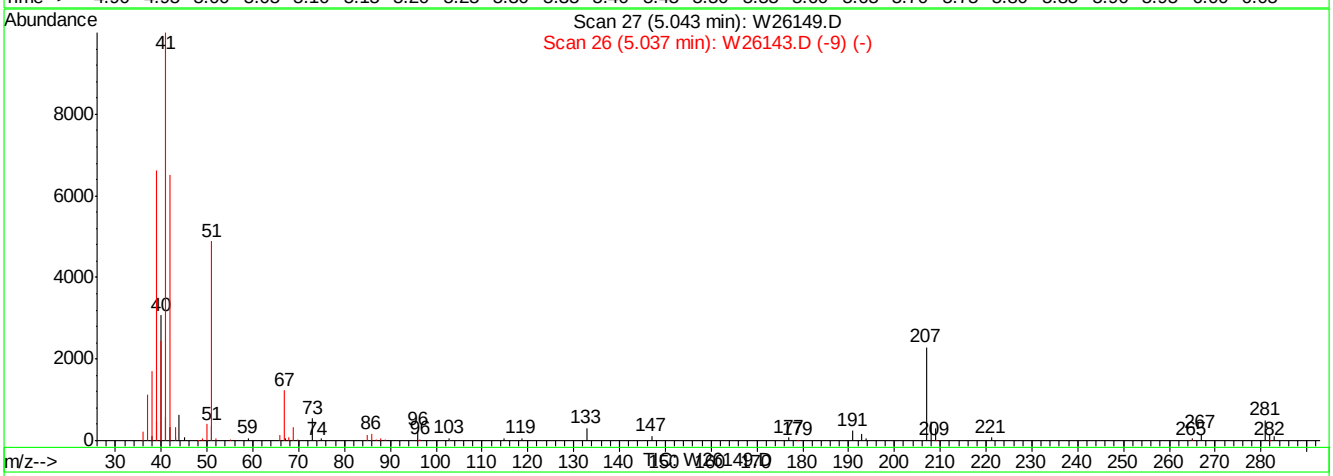
W26149.D MW1082.M Wed May 05 09:20:09 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Multiple Level Calibration





(6) PROPYLENE

5.04min 0.11PPBV m

response 1545

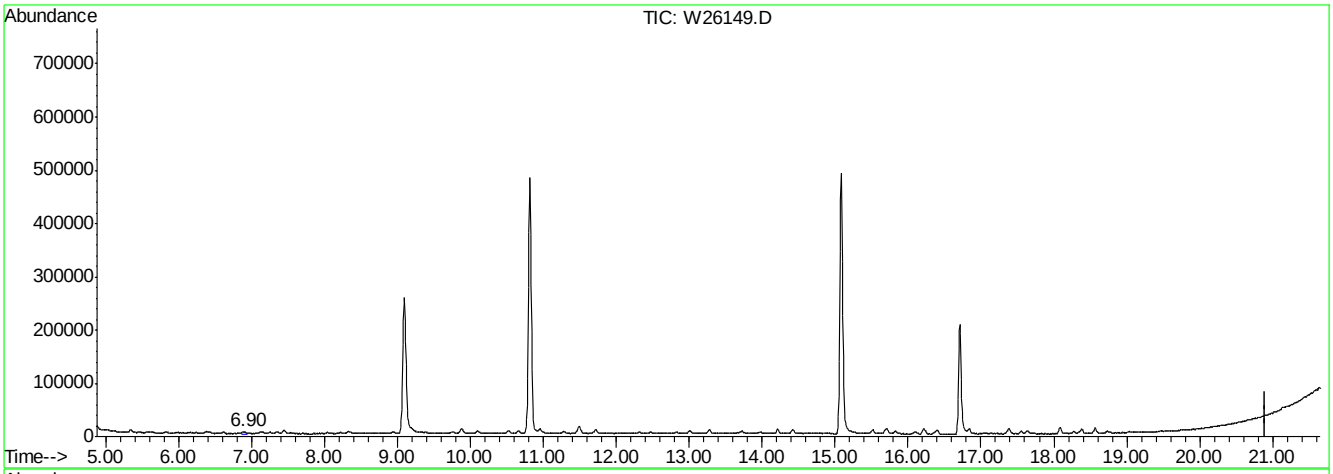
Ion	Exp%	Act%
41.00	100	100
39.00	66.30	79.00
42.00	65.00	57.14
0.00	0.00	0.00

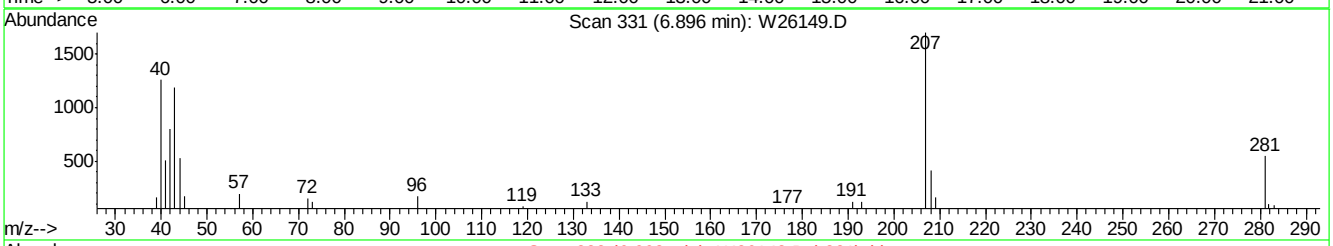
W26149.D MW1082.M Wed May 05 09:20:16 2010 MSW

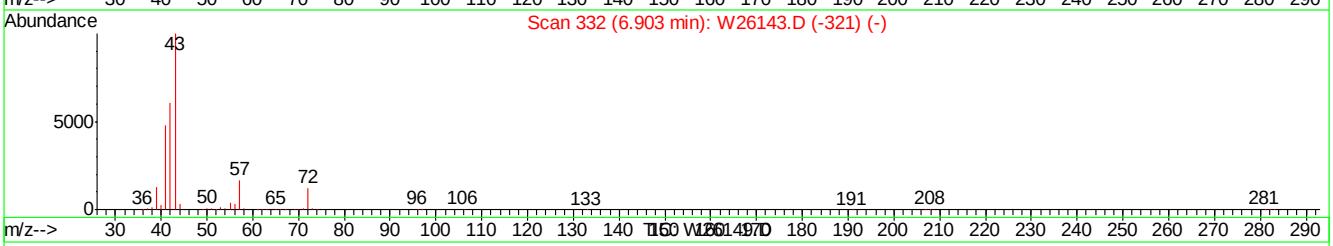
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 0.12PPBV m

response 10937

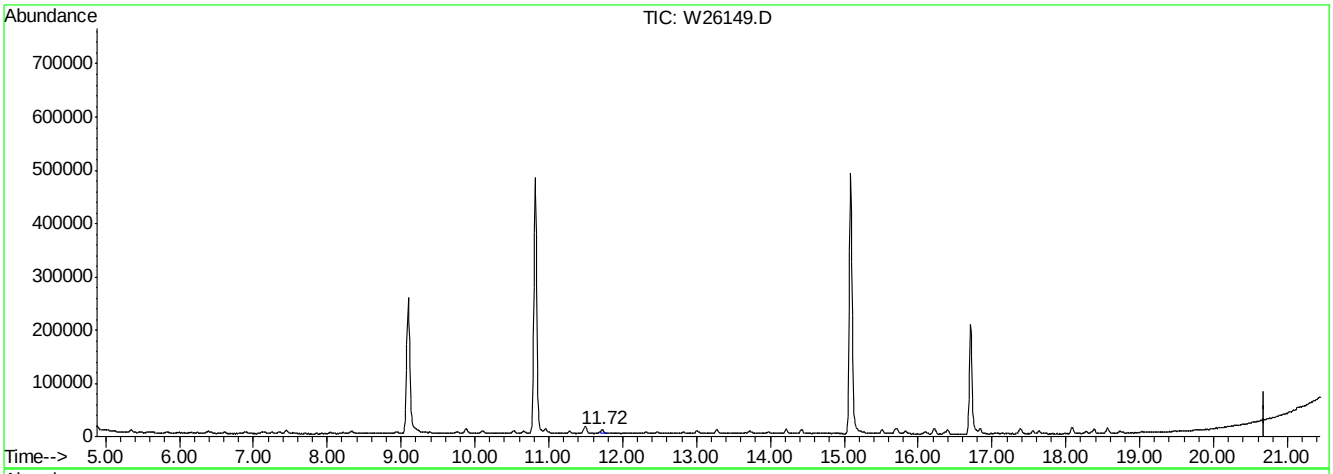
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26149.D MW1082.M Thu May 06 09:49:59 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26149.D Vial: 4
Acq On : 4 May 2010 11:25 pm Operator: YOUMINH
Sample : IC1082-0.1 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:22 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.72min 0.10PPBV m

response 16518

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26149.D MW1082.M Thu May 06 09:50:03 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26150.D Vial: 4
Acq On : 5 May 2010 12:06 am Operator: YOUMINH
Sample : IC1082-0.04 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:33 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	116393	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	568882	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.09	82	228783	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.09	82	228783	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	99452	4.19	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 83.80%				
Target Compounds							Qvalue
5) DICHLORODIFLUOROMETHANE	5.11	85	2026	0.05	PPBV		92
7) FREON 114	5.36	85	2471	0.05	PPBV		98
8) CHLOROMETHANE	5.27	52	233	0.05	PPBV	#	8
9) VINYL CHLORIDE	5.48	62	926	0.05	PPBV		92
10) 1,3-BUTADIENE	5.59	54	696	0.05	PPBV		92
12) BROMOMETHANE	5.84	94	735	0.05	PPBV	#	83
13) CHLOROETHANE	5.98	64	429	0.04	PPBV	#	53
14) ACROLEIN	6.41	56	184	0.03	PPBV		89
15) FREON 123	6.38	83	1967	0.05	PPBV	#	100
16) FREON 123A	6.42	117	1282	0.05	PPBV	#	93
17) TRICHLOROFLUOROMETHANE	6.62	101	1951	0.05	PPBV		84
20) PENTANE	6.91	57	257	0.05	PPBV	#	35
22) IODOMETHANE	7.12	142	2091	0.05	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.17	96	1001	0.06	PPBV		89
24) CARBON DISULFIDE	7.55	76	2452	0.05	PPBV		95
26) BROMOETHENE	6.27	106	852	0.05	PPBV	#	86
28) 3-CHLOROPROPENE	7.35	76	350	0.04	PPBV	#	43
29) FREON 113	7.45	151	1519	0.05	PPBV		95
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	954	0.05	PPBV		86
32) METHYL TERTIARY BUTYL ETHE	8.35	73	2381	0.06	PPBV		94
33) TETRAHYDROFURAN	9.80	72	273	0.04	PPBV	#	47
34) HEXANE	9.09	57	1539	0.05	PPBV		96
36) 1,1-DICHLOROETHANE	8.22	63	1469	0.05	PPBV	#	52
39) DI-ISOPROPYL ETHER	9.15	45	2987	0.06	PPBV		97
41) CHLOROFORM	9.20	83	1621	0.05	PPBV	#	90
42) 2,4-DIMETHYLPENTANE	9.88	57	1765	0.05	PPBV		93
43) 1,1,1-TRICHLOROETHANE	10.10	97	1709	0.05	PPBV		98
44) CARBON TETRACHLORIDE	10.66	117	1738	0.05	PPBV		87
45) 1,2-DICHLOROETHANE	9.88	62	872	0.05	PPBV	#	84
47) BENZENE	10.53	78	2841	0.05	PPBV		96
49) 2,3-DIMETHYLPENTANE	10.96	71	700	0.05	PPBV	#	82
50) TRICHLOROETHYLENE	11.50	95	1171	0.05	PPBV		97
52) BROMODICHLOROMETHANE	11.47	83	1694	0.05	PPBV		98
53) 2,2,4-TRIMETHYLPENTANE	11.50	57	4678	0.05	PPBV		98
55) METHYL METHACRYLATE	11.72	69	769	0.05	PPBV	#	1
56) HEPTANE	11.73	43	1776	0.06	PPBV		92
59) cis-1,3-DICHLOROPROPENE	12.32	75	1463	0.05	PPBV		87
60) TOLUENE	13.28	92	1946	0.05	PPBV		90
61) trans-1,3-DICHLOROPROPENE	12.83	75	1089	0.05	PPBV	#	54
62) 1,1,2-TRICHLOROETHANE	13.01	83	782	0.05	PPBV		93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26150.D Vial: 4
Acq On : 5 May 2010 12:06 am Operator: YOUMINH
Sample : IC1082-0.04 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:33 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

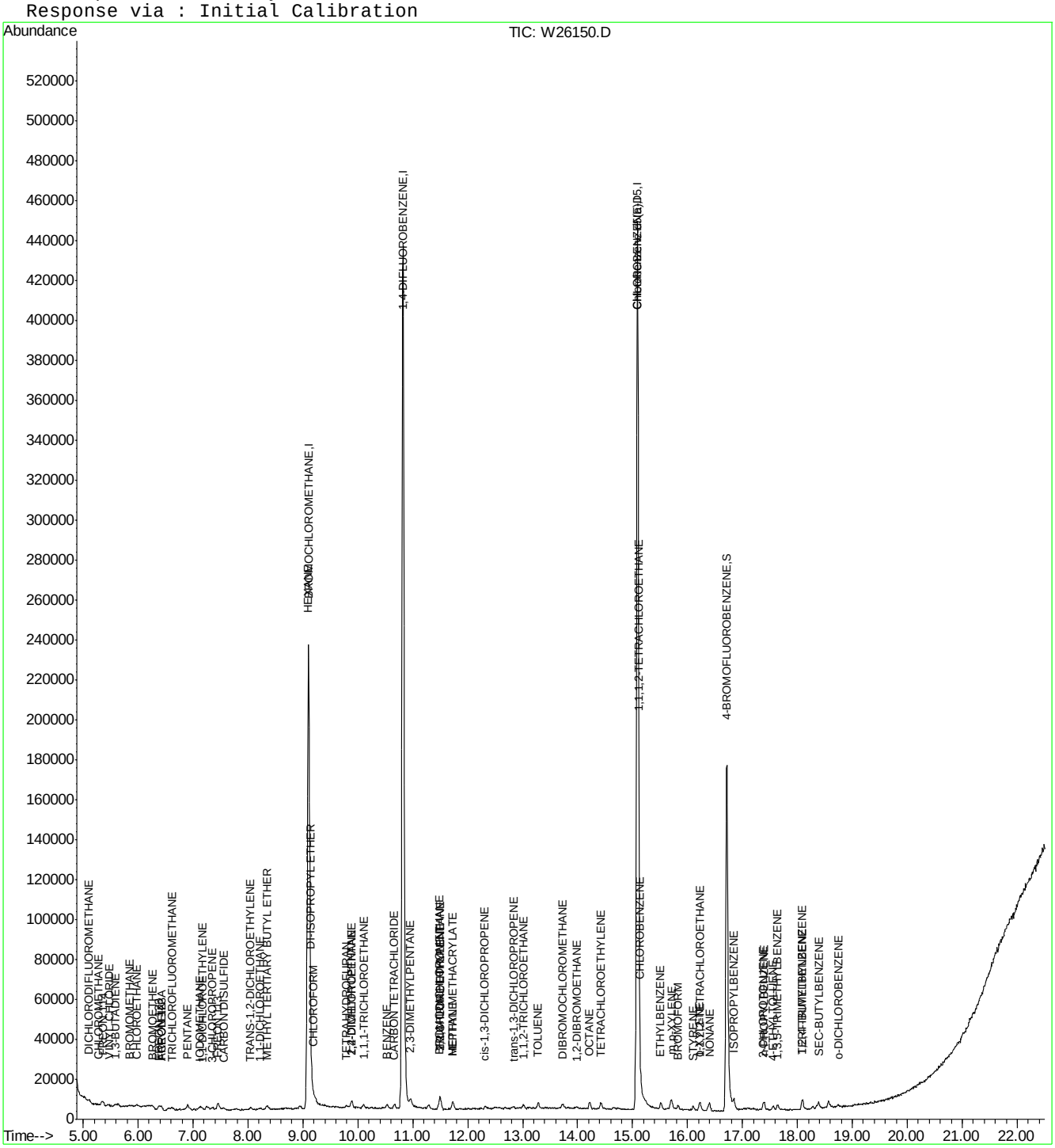
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
65)	TETRACHLOROETHYLENE	14.42	164	1231	0.05	PPBV		96
66)	DIBROMOCHLOROMETHANE	13.72	129	1626	0.05	PPBV		97
67)	1,2-DIBROMOETHANE	13.98	107	1181	0.05	PPBV	#	99
68)	OCTANE	14.22	43	2067	0.06	PPBV		97
69)	1,1,1,2-TETRACHLOROETHANE	15.12	131	1261	0.05	PPBV	#	80
70)	CHLOROBENZENE	15.14	112	2367	0.06	PPBV		90
71)	ETHYLBENZENE	15.52	91	3630	0.05	PPBV		98
72)	m,p-XYLENE	15.71	106	2792	0.10	PPBV		82
73)	o-XYLENE	16.21	106	1348	0.05	PPBV		98
74)	STYRENE	16.10	104	1554	0.04	PPBV		99
76)	NONANE	16.41	43	1719	0.05	PPBV		96
77)	BROMOFORM	15.83	173	1399	0.05	PPBV		97
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	1516	0.05	PPBV		91
80)	ISOPROPYLBENZENE	16.85	105	3783	0.05	PPBV		99
81)	2-CHLOROTOLUENE	17.37	126	903	0.05	PPBV	#	1
82)	n-PROPYLBENZENE	17.39	120	745	0.04	PPBV	#	50
83)	4-ETHYLTOLUENE	17.56	105	2503	0.04	PPBV		97
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	2619	0.05	PPBV		97
85)	TERT-BUTYLBENZENE	18.09	134	674	0.05	PPBV		95
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	2090	0.04	PPBV		87
90)	SEC-BUTYLBENZENE	18.38	134	659	0.04	PPBV	#	83
92)	o-DICHLOROBENZENE	18.75	146	1072	0.04	PPBV		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26150.D Vial: 4
Acq On : 5 May 2010 12:06 am Operator: YOUMINH
Sample : IC1082-0.04 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:24 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26151.D Vial: 6
Acq On : 5 May 2010 1:28 am Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:37:58 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

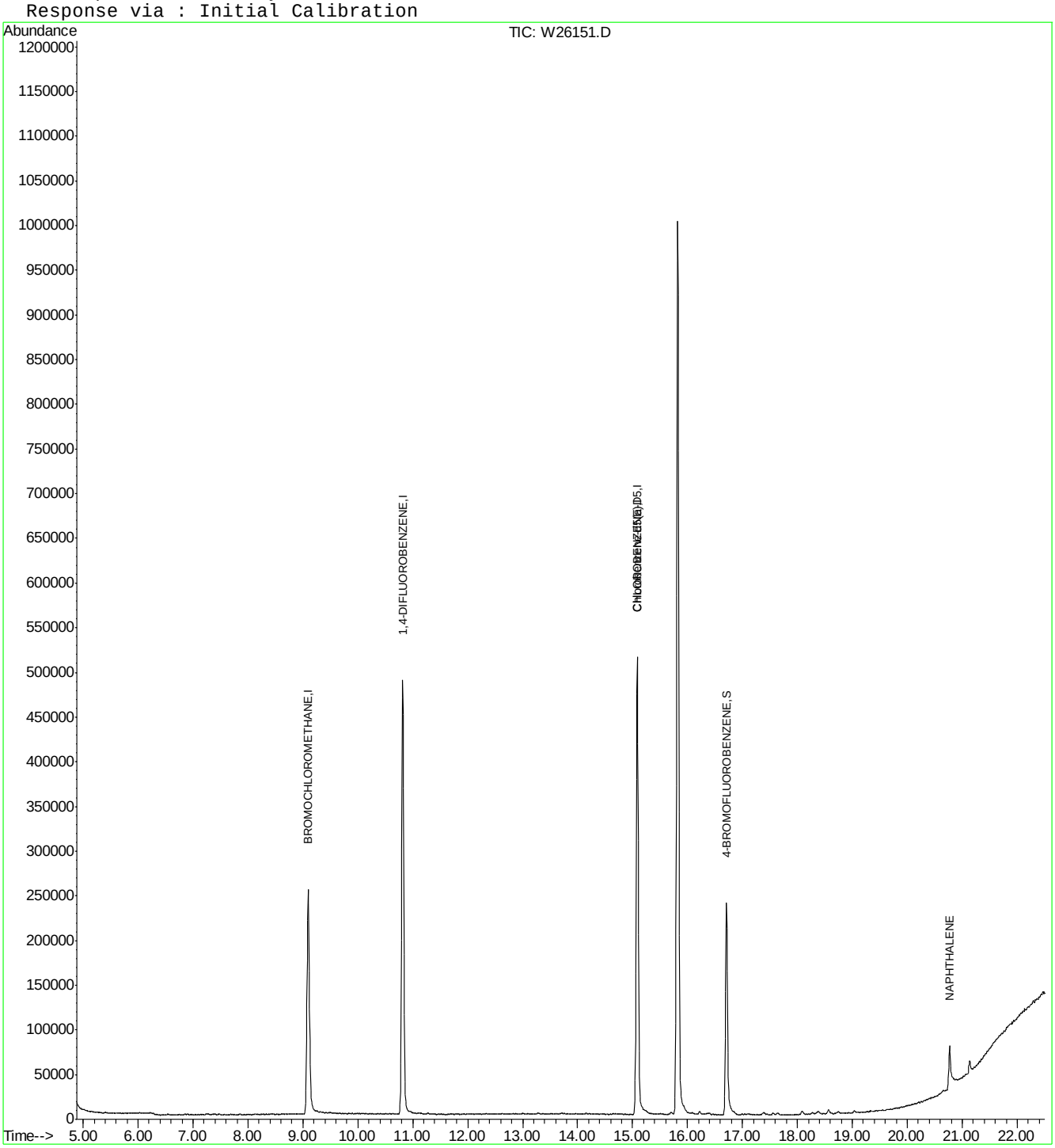
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	128081	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	632681	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	253985	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	253985	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	130325	5.30	PPBV	-0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 106.00%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.77	128	77786	5.85	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26151.D MW1082.M Thu May 06 09:48:33 2010 MSW Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26151.D Vial: 6
Acq On : 5 May 2010 1:28 am Operator: YOUMINH
Sample : IC1082-5.0 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:38 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26152.D Vial: 6
Acq On : 5 May 2010 2:09 am Operator: YOUMINH
Sample : IC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:38:05 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

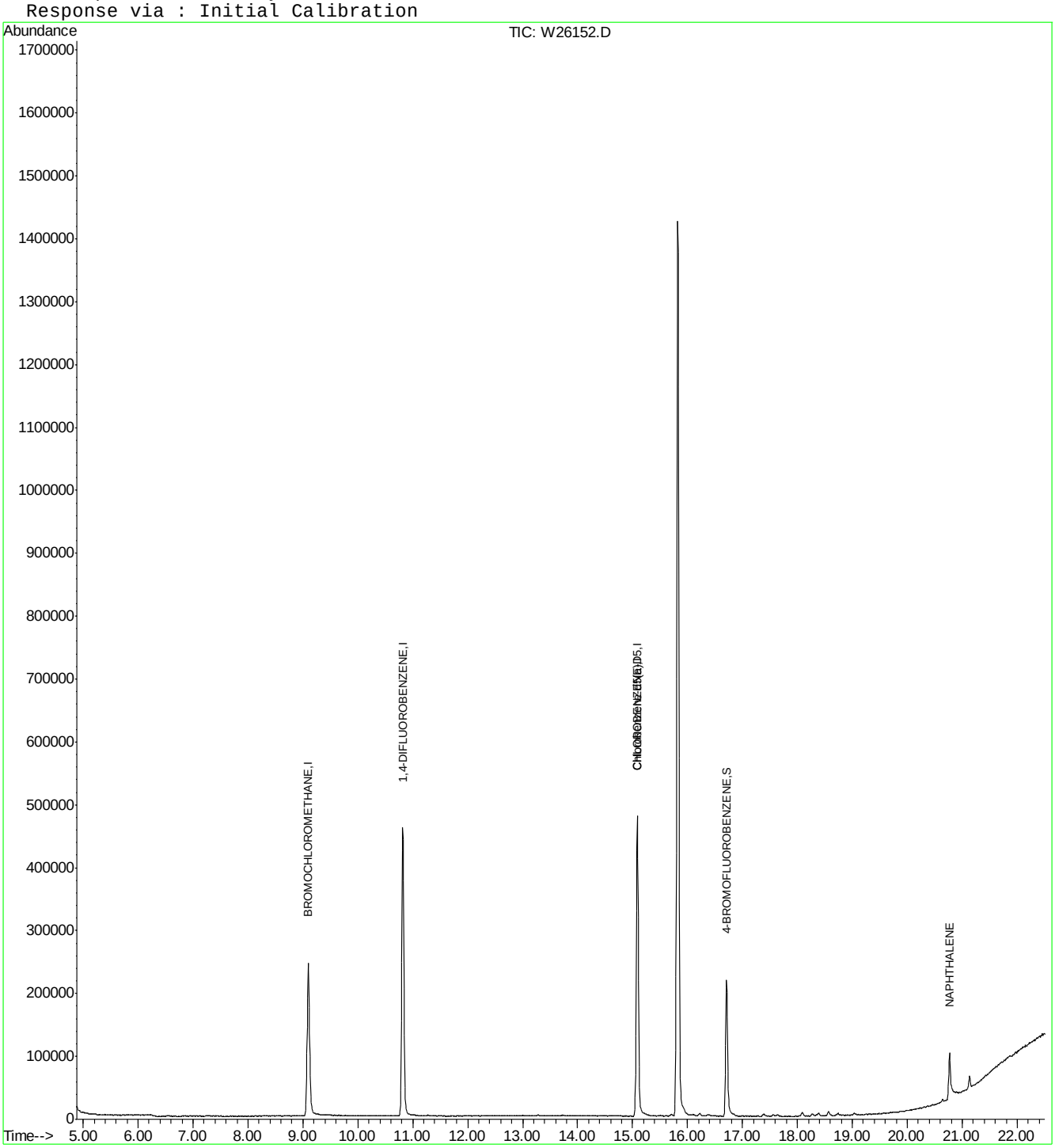
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	120006	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	594416	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	242408	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	242408	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	117114	4.99	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 99.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.77	128	125634	9.91	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26152.D Vial: 6
Acq On : 5 May 2010 2:09 am Operator: YOUMINH
Sample : IC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:39 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	138094	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	658593	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	351779	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	351779	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.73	95	160211	4.39	PPBV		0.01
Spiked Amount 5.000	Range 65 - 128		Recovery = 87.80%				
Target Compounds							Qvalue
3) FREON 152A	4.97	65	376121	33.30	PPBV		98
4) CHLORODIFLUOROMETHANE	5.01	67	129983	32.81	PPBV		98
5) DICHLORODIFLUOROMETHANE	5.11	85	1439582	32.72	PPBV		100
6) PROPYLENE	5.04	41	508481	33.17	PPBV		99
7) FREON 114	5.35	85	1789347	33.10	PPBV		100
8) CHLOROMETHANE	5.27	52	180856	32.69	PPBV		99
9) VINYL CHLORIDE	5.46	62	675852	32.77	PPBV		100
10) 1,3-BUTADIENE	5.59	54	541781	33.40	PPBV		100
11) n-BUTANE	5.63	43	1029672	32.88	PPBV		100
12) BROMOMETHANE	5.83	94	606815	32.83	PPBV		100
13) CHLOROETHANE	5.98	64	388826	33.09	PPBV		99
14) ACROLEIN	6.38	56	257295	37.88	PPBV		100
15) FREON 123	6.38	83	1589219	33.61	PPBV	#	100
16) FREON 123A	6.42	117	929288	33.31	PPBV		99
17) TRICHLOROFLUOROMETHANE	6.62	101	1453154	32.45	PPBV		99
18) ISOPROPYL ALCOHOL	6.74	45	1097859	35.73	PPBV		99
19) ACETONE	6.51	58	310702	37.04	PPBV		98
20) PENTANE	6.90	57	195009	32.66	PPBV		99
21) TVHC as EQUIV PENTANE	6.90	TIC	3290874m	32.41	PPBV		
22) IODOMETHANE	7.12	142	1707954	32.93	PPBV		98
23) 1,1-DICHLOROETHYLENE	7.16	96	660957	32.96	PPBV		98
24) CARBON DISULFIDE	7.55	76	1846203	32.53	PPBV		99
25) ETHANOL	6.13	45	245965	35.83	PPBV		100
26) BROMOETHENE	6.27	106	637424	32.82	PPBV		100
27) METHYLENE CHLORIDE	7.25	84	568964	33.44	PPBV		100
28) 3-CHLOROPROPENE	7.35	76	325031	33.37	PPBV		98
29) FREON 113	7.45	151	1117067	33.05	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	693853	33.65	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.26	59	1259409	32.67	PPBV		96
32) METHYL TERTIARY BUTYL ETHE	8.30	73	1804827	37.39	PPBV		99
33) TETRAHYDROFURAN	9.65	72	339142	38.12	PPBV		98
34) HEXANE	9.10	57	1145737	33.84	PPBV		98
35) VINYL ACETATE	8.34	86	184390	37.76	PPBV		99
36) 1,1-DICHLOROETHANE	8.23	63	1200270	33.51	PPBV		99
37) METHYL ETHYL KETONE	8.61	72	336624	37.83	PPBV		99
38) cis-1,2-DICHLOROETHYLENE	8.96	96	719704	34.09	PPBV		99
39) DI-ISOPROPYL ETHER	9.12	45	2347271	37.98	PPBV		100
40) ETHYL ACETATE	9.16	61	217298	39.02	PPBV	#	94
41) CHLOROFORM	9.23	83	1274146	33.35	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.90	57	1394127	33.88	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	1281059	33.82	PPBV		99
44)	CARBON TETRACHLORIDE	10.67	117	1341869	33.84	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	754717	35.52	PPBV		99
47)	BENZENE	10.54	78	2209977	34.64	PPBV		100
48)	CYCLOHEXANE	10.78	84	1033601	33.91	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.97	71	558265	34.80	PPBV		98
50)	TRICHLOROETHYLENE	11.51	95	969547	36.79	PPBV		100
51)	1,2-DICHLOROPROPANE	11.30	63	805359	35.72	PPBV		100
52)	BROMODICHLOROMETHANE	11.49	83	1486252	36.31	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	3832940	36.44	PPBV		99
54)	1,4-DIOXANE	11.58	88	450920	37.26	PPBV		100
55)	METHYL METHACRYLATE	11.69	69	763523	40.49	PPBV		95
56)	HEPTANE	11.74	43	1297113	34.99	PPBV		99
57)	TVHC as EQUIV HEPTANE	11.74	TIC	5797329m	34.06	PPBV		
58)	METHYL ISOBUTYL KETONE	12.39	43	1392723	38.92	PPBV		100
59)	cis-1,3-DICHLOROPROPENE	12.32	75	1228457	36.85	PPBV		99
60)	TOLUENE	13.29	92	1624814	36.64	PPBV		99
61)	trans-1,3-DICHLOROPROPENE	12.83	75	991240	38.74	PPBV		100
62)	1,1,2-TRICHLOROETHANE	13.02	83	733511	36.74	PPBV		100
64)	2-HEXANONE	13.58	43	1315100	34.25	PPBV		100
65)	TETRACHLOROETHYLENE	14.43	164	1094992	31.30	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.74	129	1505704	31.47	PPBV		99
67)	1,2-DIBROMOETHANE	13.99	107	1267828	32.32	PPBV		100
68)	OCTANE	14.22	43	1754168	30.79	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	1167964	32.55	PPBV	#	100
70)	CHLOROBENZENE	15.15	112	2163048	32.97	PPBV		99
71)	ETHYLBENZENE	15.53	91	3384430	31.95	PPBV		99
72)	m,p-XYLENE	15.72	106	2763745	66.46	PPBV		97
73)	o-XYLENE	16.24	106	1340017	33.39	PPBV		99
74)	STYRENE	16.11	104	1971084	33.63	PPBV		100
75)	1,2,3-TRICHLOROPROPANE	16.38	75	1228429	33.99	PPBV		100
76)	NONANE	16.41	43	1699207	31.91	PPBV		98
77)	BROMOFORM	15.85	173	1468730	33.23	PPBV		100
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	1631611	33.90	PPBV		99
80)	ISOPROPYLBENZENE	16.86	105	3687471	32.68	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	898917	33.63	PPBV		96
82)	n-PROPYLBENZENE	17.41	120	1049957	34.86	PPBV		89
83)	4-ETHYLTOLUENE	17.57	105	3349530	34.17	PPBV		98
84)	1,3,5-TRIMETHYLBENZENE	17.65	105	2663169	34.26	PPBV		99
85)	TERT-BUTYLBENZENE	18.10	134	762560	36.64	PPBV		96
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	2699277	36.14	PPBV		98
87)	m-DICHLOROBENZENE	18.28	146	1659977	35.05	PPBV		99
88)	BENZYL CHLORIDE	18.27	91	1911454	38.45	PPBV		99
89)	p-DICHLOROBENZENE	18.36	146	1592386	35.78	PPBV		99
90)	SEC-BUTYLBENZENE	18.39	134	866272	35.94	PPBV		94
91)	p-ISOPROPYLTOLUENE	18.56	134	869978	37.85	PPBV		95
92)	o-DICHLOROBENZENE	18.74	146	1409725	34.64	PPBV		99
93)	n-BUTYLBENZENE	19.03	134	666715	37.55	PPBV		97
94)	HEXACHLOROBUTADIENE	21.14	225	317695	29.29	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 09:12:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:09:42 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

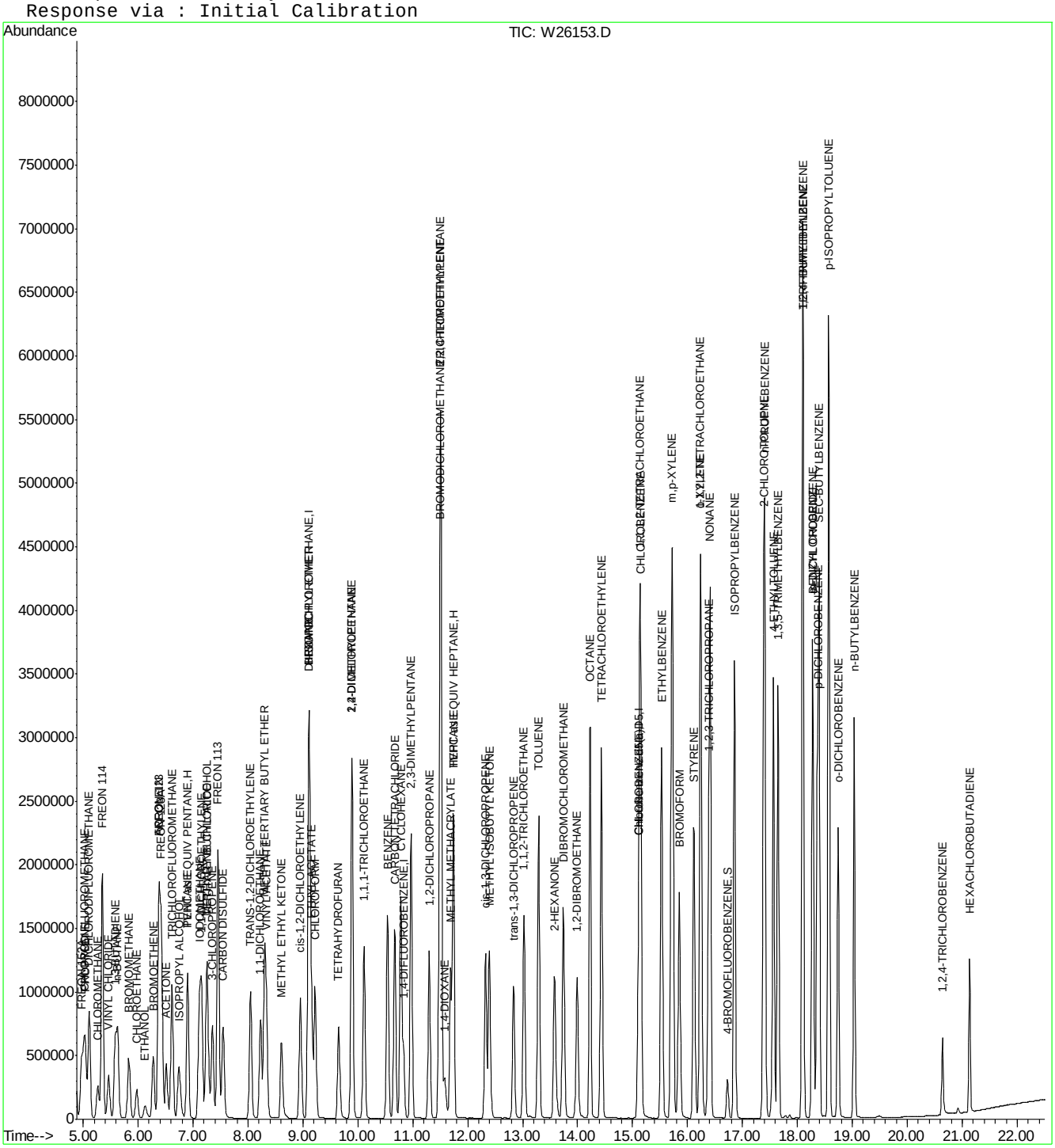
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	309688	38.53	PPBV	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:25 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

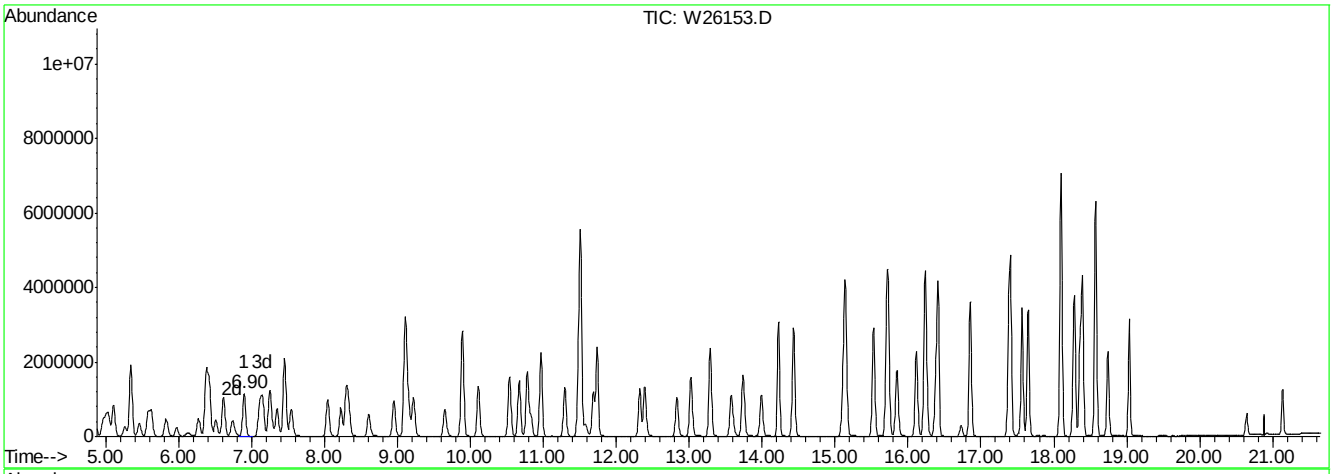


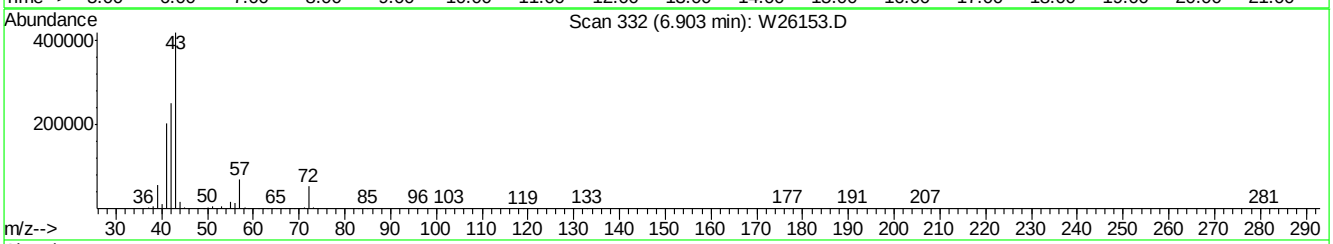
ACCUTEST JA45152 Laboratories

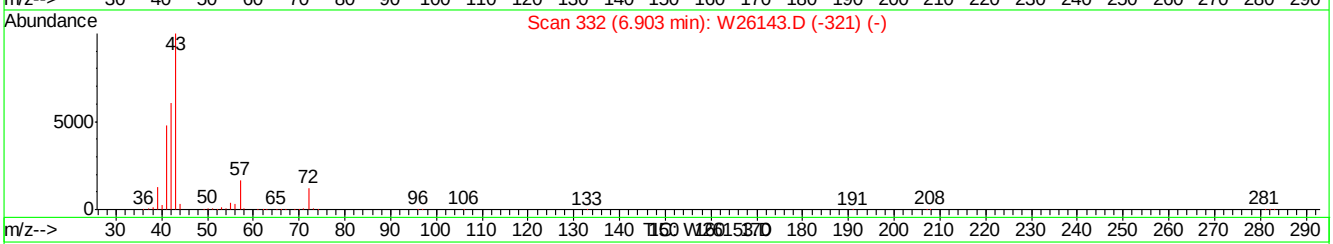
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:25 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 32.41PPBV m

response 3290874

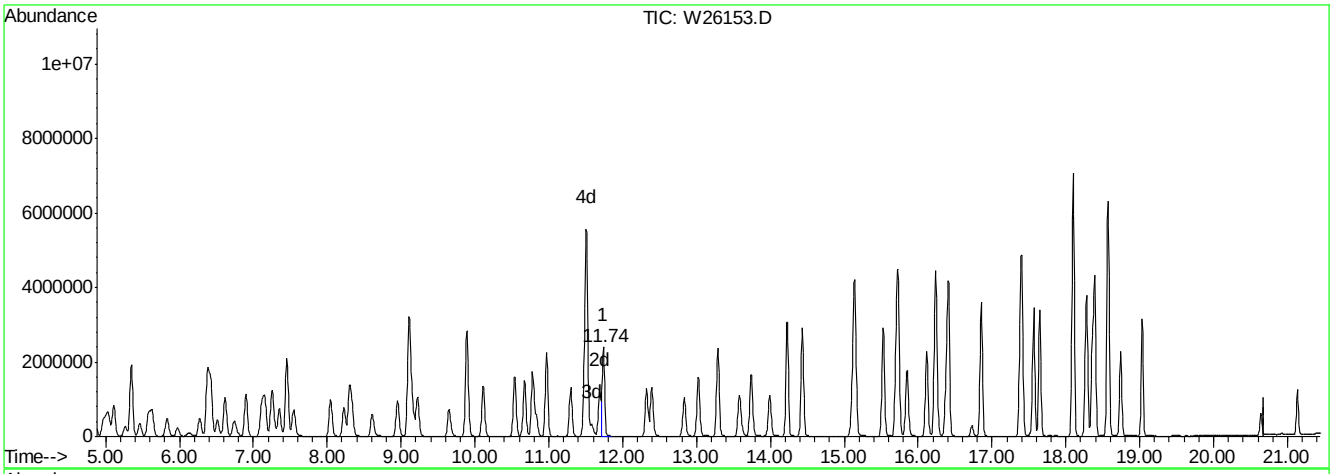
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.03#
0.00	0.00	0.03#
0.00	0.00	0.00

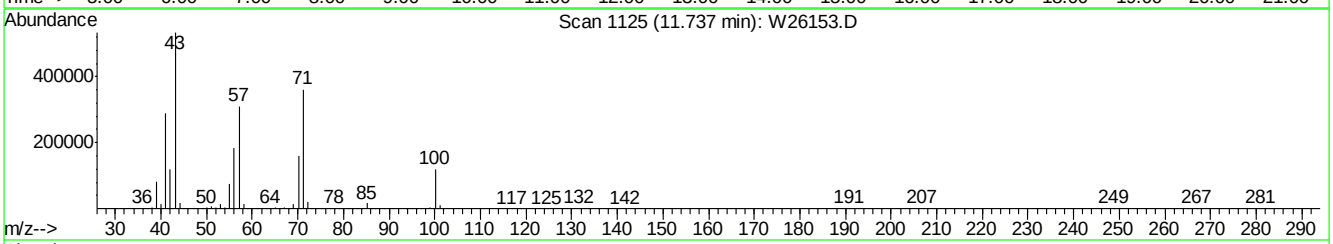
W26153.D MW1082.M Thu May 06 09:50:17 2010 MSW

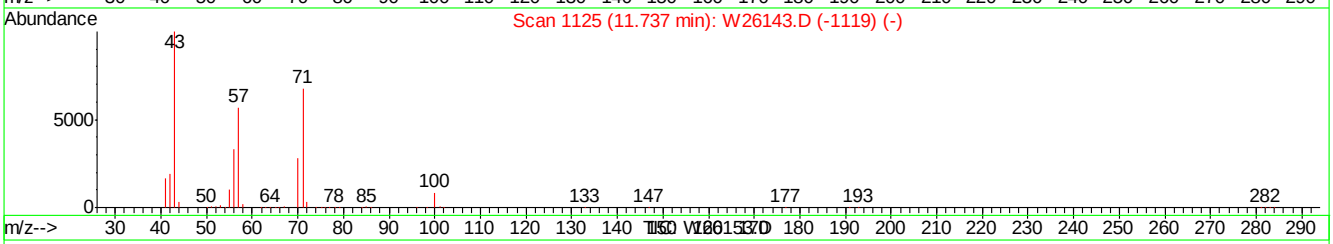
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26153.D Vial: 2
Acq On : 5 May 2010 2:50 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 9:25 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.74min 34.06PPBV m

response 5797329

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

W26153.D MW1082.M Thu May 06 09:50:21 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26154.D Vial: 7
Acq On : 5 May 2010 3:31 am Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:38:10 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

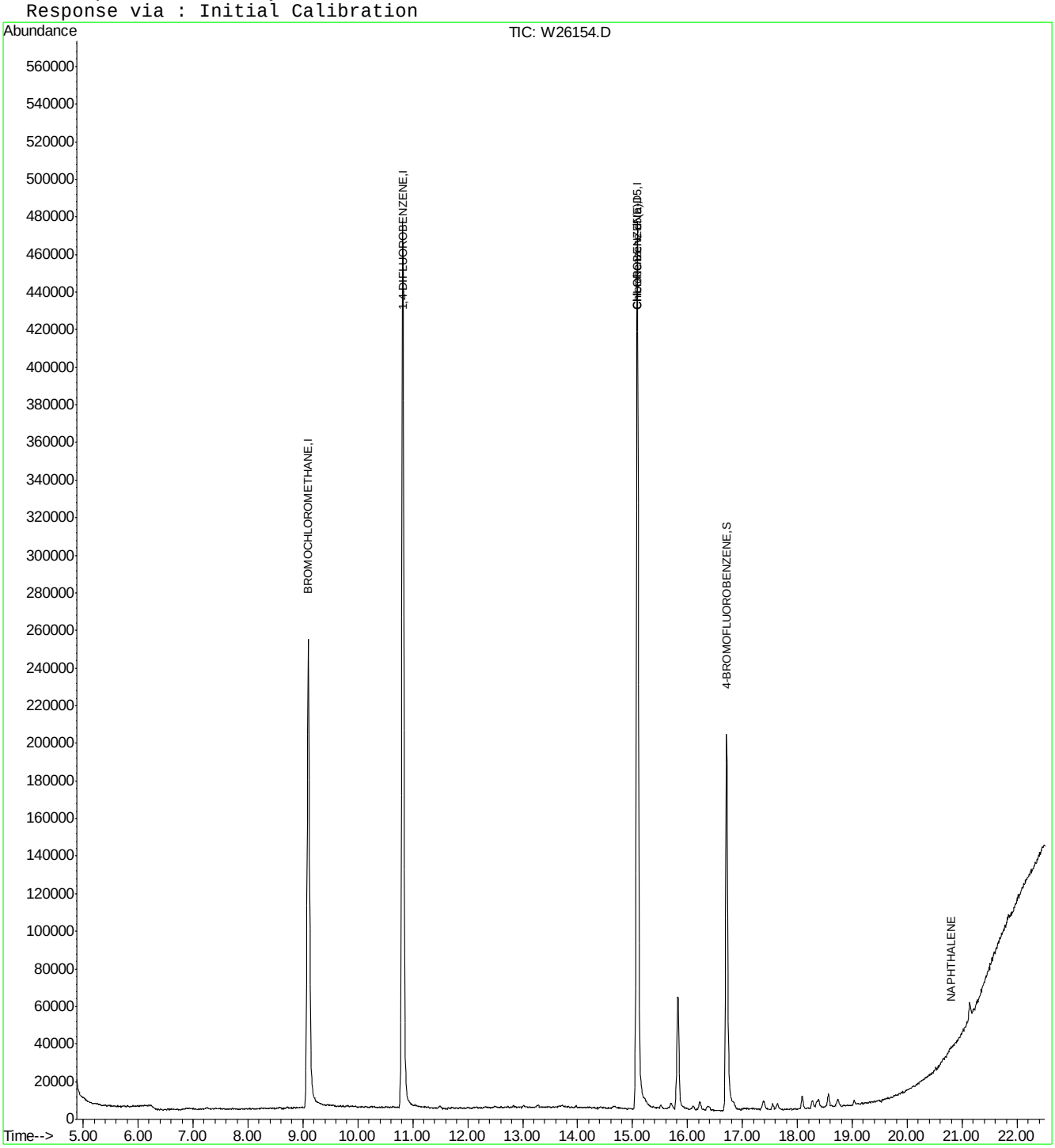
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	129182	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	621788	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	245952	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	245952	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	112967	4.75	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 95.00%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	4552	0.35	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26154.D Vial: 7
Acq On : 5 May 2010 3:31 am Operator: YOUMINH
Sample : IC1082-0.5 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:39 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26155.D Vial: 7
Acq On : 5 May 2010 4:12 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:38:13 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

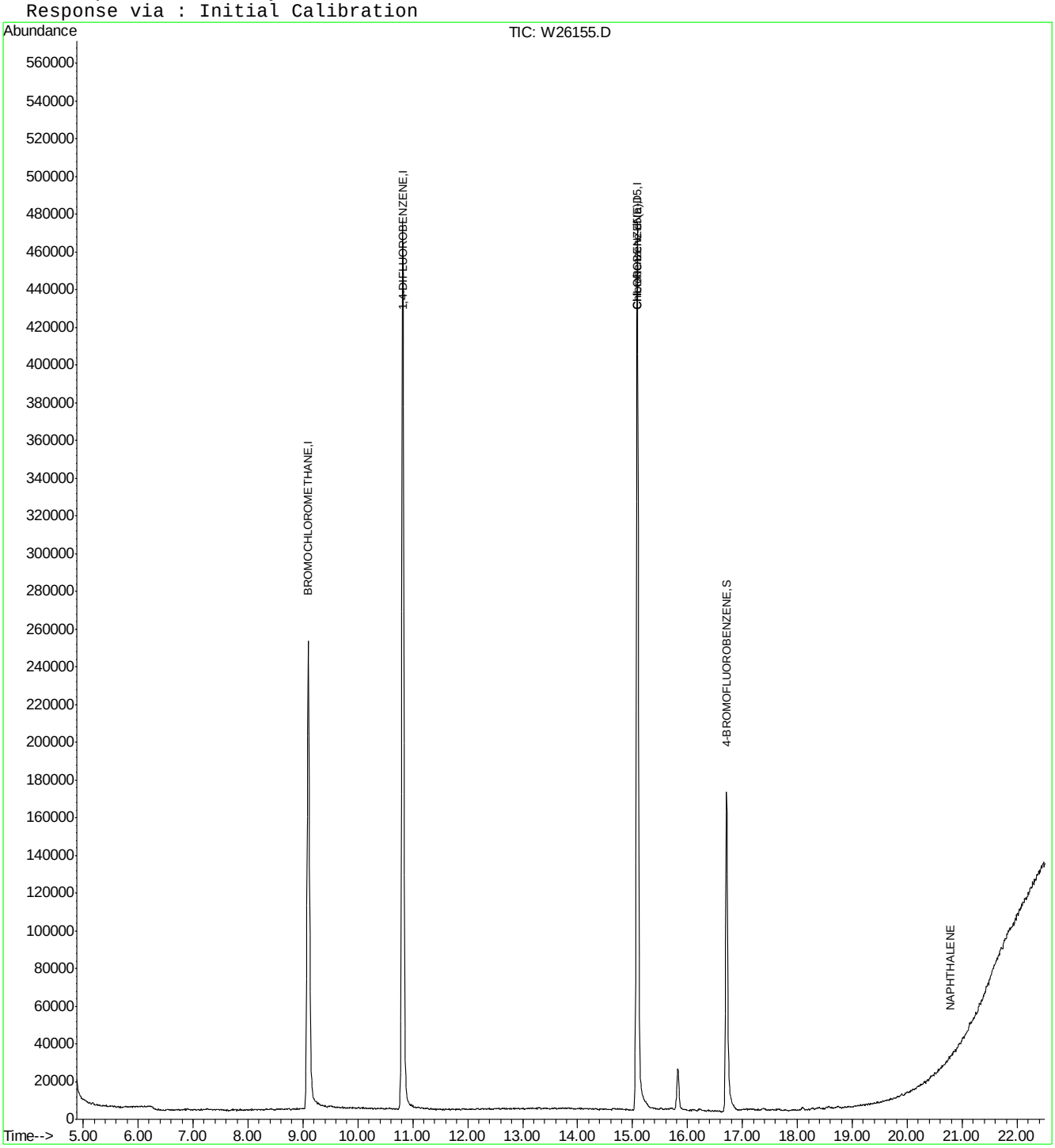
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	125348	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	611931	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	241884	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	241884	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	96863	4.14	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 82.80%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.80	128	889	0.07	PPBV	# 100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26155.D MW1082.M Thu May 06 09:48:38 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26155.D Vial: 7
Acq On : 5 May 2010 4:12 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:39 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26156.D Vial: 6
Acq On : 5 May 2010 5:35 am Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:38:19 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

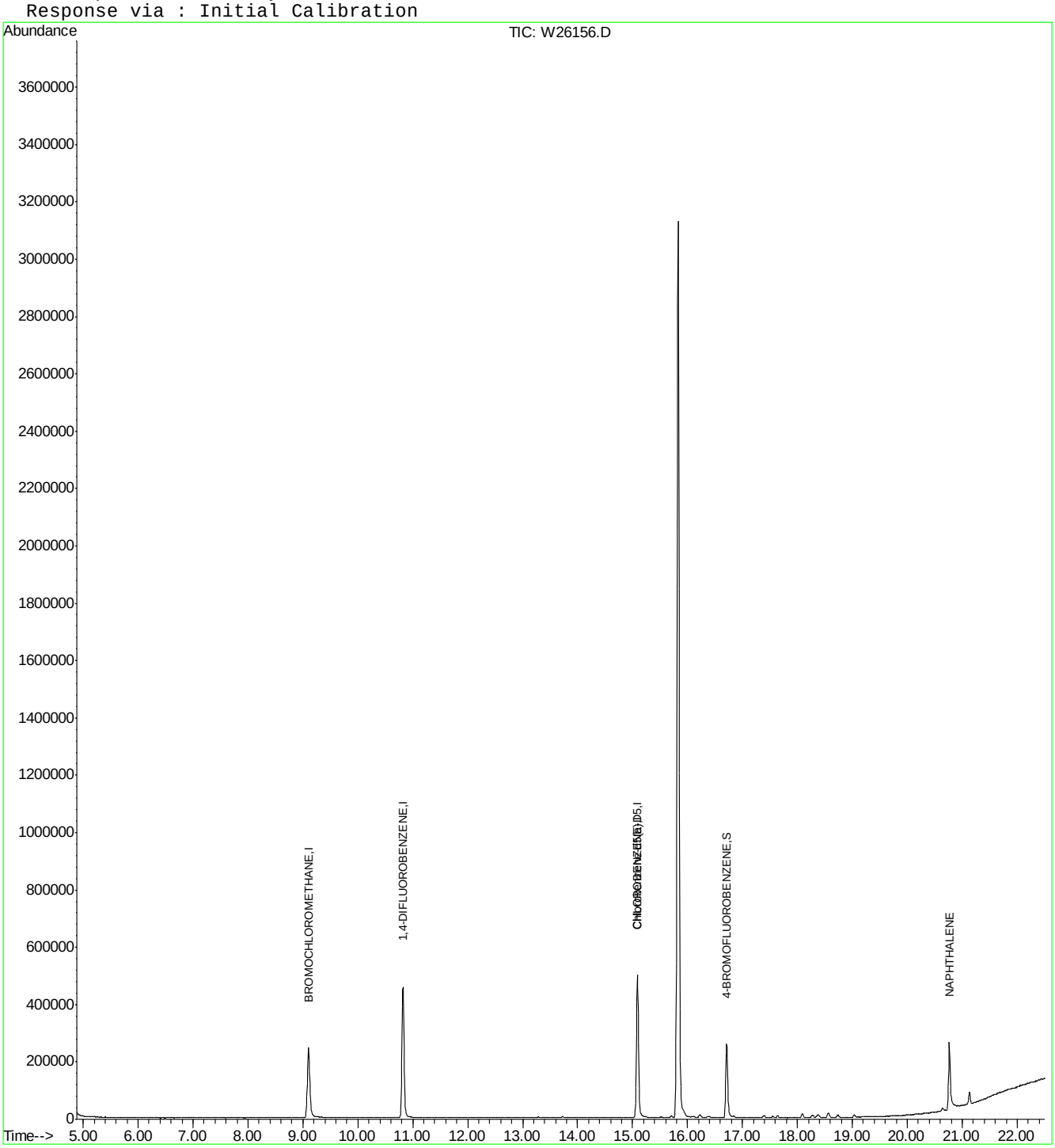
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	125416	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	604625	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.09	82	248012	10.00	PPBV	0.00
96) Chlorobenzene-d5(a)	15.09	82	248012	10.00	PPBV	0.00
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	138121	5.76	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 115.20%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.77	128	338405	26.08	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26156.D MW1082.M Thu May 06 09:48:38 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26156.D Vial: 6
Acq On : 5 May 2010 5:35 am Operator: YOUMINH
Sample : IC1082-20 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:40 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26157.D Vial: 6
Acq On : 5 May 2010 6:16 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 14:38:23 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

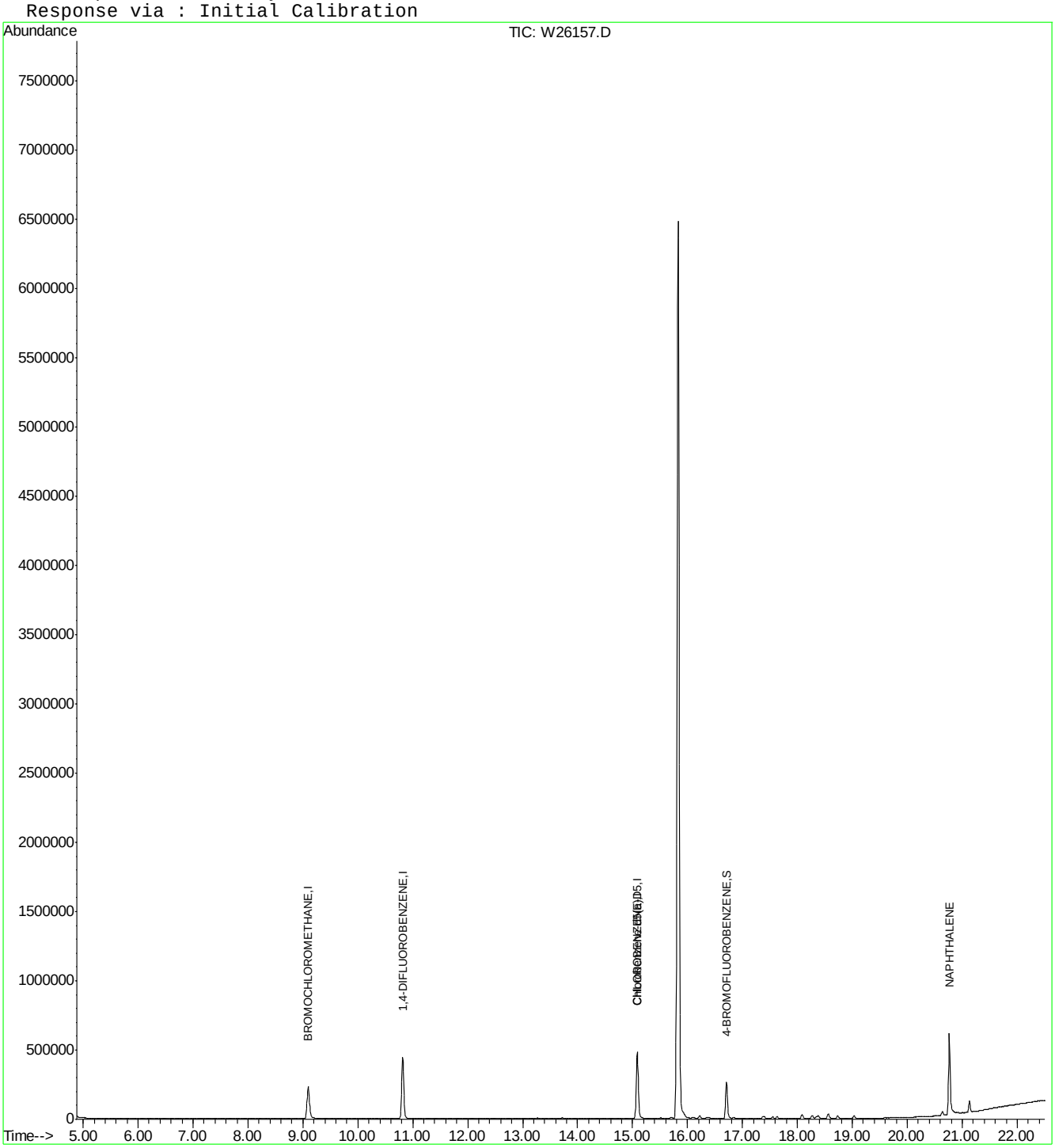
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	117626	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	574042	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	240755	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	240755	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	134441	5.77	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 115.40%			
Target Compounds						Qvalue
97) NAPHTHALENE	20.77	128	743470	59.03	PPBV	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26157.D Vial: 6
Acq On : 5 May 2010 6:16 am Operator: YOUMINH
Sample : IC1082-40 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 14:40 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration



ACCUTEST Laboratories JA45152

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu
05/10/10 14:49

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 11:17:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	117552	10.00	PPBV	-0.01
46) 1,4-DIFLUOROBENZENE	10.82	114	526498	10.00	PPBV	-0.01
63) CHLOROBENZENE-D5	15.08	82	210591	10.00	PPBV	-0.01
96) Chlorobenzene-d5(a)	15.08	82	210591	10.00	PPBV	-0.01
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.71	95	99364	4.88	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 97.60%			
Target Compounds						Qvalue
3) FREON 152A	4.98	65	2256	0.23	PPBV #	70
4) CHLORODIFLUOROMETHANE	5.01	67	954	0.26	PPBV	95
5) DICHLORODIFLUOROMETHANE	5.11	85	9386	0.23	PPBV	97
6) PROPYLENE	5.04	41	3691	0.26	PPBV	95
7) FREON 114	5.35	85	11359	0.23	PPBV	98
8) CHLOROMETHANE	5.27	52	1103	0.22	PPBV #	60
9) VINYL CHLORIDE	5.47	62	4329	0.23	PPBV	95
10) 1,3-BUTADIENE	5.59	54	3215	0.22	PPBV	90
11) n-BUTANE	5.63	43	6735	0.24	PPBV #	99
12) BROMOMETHANE	5.85	94	3732	0.23	PPBV	92
13) CHLOROETHANE	5.98	64	2330	0.22	PPBV	94
14) ACROLEIN	6.40	56	1015	0.17	PPBV	96
15) FREON 123	6.38	83	9827	0.23	PPBV #	97
16) FREON 123A	6.41	117	6063	0.24	PPBV	91
17) TRICHLOROFLUOROMETHANE	6.62	101	9571	0.24	PPBV	98
18) ISOPROPYL ALCOHOL	6.84	45	5805	0.21	PPBV	94
19) ACETONE	6.55	58	1380	0.18	PPBV #	84
20) PENTANE	6.90	57	1268	0.24	PPBV #	87
21) TVHC as EQUIV PENTANE	6.90	TIC	23709m	0.24	PPBV	
22) IODOMETHANE	7.11	142	10986	0.24	PPBV	98
23) 1,1-DICHLOROETHYLENE	7.16	96	4274	0.23	PPBV	96
24) CARBON DISULFIDE	7.54	76	11707	0.23	PPBV	85
25) ETHANOL	6.18	45	1559	0.22	PPBV #	54
26) BROMOETHENE	6.27	106	4011	0.23	PPBV	96
27) METHYLENE CHLORIDE	7.26	84	4074	0.26	PPBV	98
28) 3-CHLOROPROPENE	7.35	76	1846	0.22	PPBV #	68
29) FREON 113	7.45	151	7388	0.24	PPBV	99
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	4238	0.23	PPBV	92
31) TERTIARY BUTYL ALCOHOL	7.38	59	7029	0.20	PPBV #	77
32) METHYL TERTIARY BUTYL ETHE	8.32	73	8183	0.18	PPBV	97
33) TETRAHYDROFURAN	9.76	72	1436	0.18	PPBV	97
34) HEXANE	9.09	57	7041	0.23	PPBV	95
35) VINYL ACETATE	8.35	86	658	0.16	PPBV #	70
36) 1,1-DICHLOROETHANE	8.21	63	7174	0.22	PPBV	97
37) METHYL ETHYL KETONE	8.64	72	1257	0.16	PPBV #	69
38) cis-1,2-DICHLOROETHYLENE	8.94	96	4709	0.25	PPBV #	84
39) DI-ISOPROPYL ETHER	9.13	45	10182	0.17	PPBV	97
40) ETHYL ACETATE	9.17	61	989	0.19	PPBV #	1
41) CHLOROFORM	9.20	83	7749	0.22	PPBV	97
42) 2,4-DIMETHYLPENTANE	9.88	57	8321	0.22	PPBV	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 11:17:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.10	97	7962	0.23	PPBV		98
44)	CARBON TETRACHLORIDE	10.66	117	7930	0.22	PPBV		96
45)	1,2-DICHLOROETHANE	9.87	62	3695	0.20	PPBV		100
47)	BENZENE	10.52	78	12330	0.23	PPBV		98
48)	CYCLOHEXANE	10.78	84	6787	0.26	PPBV	#	77
49)	2,3-DIMETHYLPENTANE	10.96	71	3436	0.25	PPBV		98
50)	TRICHLOROETHYLENE	11.49	95	5294	0.23	PPBV		98
51)	1,2-DICHLOROPROPANE	11.29	63	4743	0.24	PPBV		94
52)	BROMODICHLOROMETHANE	11.47	83	7826	0.23	PPBV		98
53)	2,2,4-TRIMETHYLPENTANE	11.50	57	20900	0.23	PPBV		97
54)	1,4-DIOXANE	11.79	88	2791	0.25	PPBV	#	83
55)	METHYL METHACRYLATE	11.70	69	2776	0.17	PPBV	#	10
56)	HEPTANE	11.73	43	7673	0.24	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.72	TIC	35417m	0.24	PPBV		
58)	METHYL ISOBUTYL KETONE	12.45	43	5805	0.19	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.32	75	5781	0.21	PPBV		95
60)	TOLUENE	13.28	92	8065	0.22	PPBV		98
61)	trans-1,3-DICHLOROPROPENE	12.82	75	3897	0.19	PPBV		92
62)	1,1,2-TRICHLOROETHANE	13.00	83	3577	0.21	PPBV		98
64)	2-HEXANONE	13.63	43	4537m	0.19	PPBV		
65)	TETRACHLOROETHYLENE	14.42	164	5904	0.25	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.72	129	7011	0.23	PPBV		97
67)	1,2-DIBROMOETHANE	13.97	107	5021	0.21	PPBV		99
68)	OCTANE	14.22	43	8504	0.23	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	5637	0.24	PPBV	#	97
70)	CHLOROBENZENE	15.13	112	9310	0.22	PPBV	#	75
71)	ETHYLBENZENE	15.51	91	14066	0.21	PPBV		99
72)	m,p-XYLENE	15.69	106	10616	0.40	PPBV		89
73)	o-XYLENE	16.21	106	5151	0.20	PPBV		98
74)	STYRENE	16.10	104	5573	0.17	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.36	75	4618	0.19	PPBV		96
76)	NONANE	16.39	43	6832	0.21	PPBV		99
77)	BROMOFORM	15.83	173	5877	0.21	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.22	83	6269	0.20	PPBV		99
80)	ISOPROPYLBENZENE	16.84	105	14404	0.20	PPBV		98
81)	2-CHLOROTOLUENE	17.37	126	3216	0.19	PPBV	#	82
82)	n-PROPYLBENZENE	17.39	120	3000	0.17	PPBV		81
83)	4-ETHYLTOLUENE	17.55	105	8766	0.16	PPBV		96
84)	1,3,5-TRIMETHYLBENZENE	17.63	105	8462	0.17	PPBV		93
85)	TERT-BUTYLBENZENE	18.08	134	2595	0.20	PPBV		95
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	7314	0.16	PPBV	#	82
87)	m-DICHLOROBENZENE	18.27	146	3137	0.12	PPBV		92
88)	BENZYL CHLORIDE	18.26	91	1819	0.07	PPBV		87
89)	p-DICHLOROBENZENE	18.35	146	2556	0.11	PPBV		95
90)	SEC-BUTYLBENZENE	18.38	134	2708	0.18	PPBV	#	93
91)	p-ISOPROPYLTOLUENE	18.56	134	2376	0.17	PPBV		92
92)	o-DICHLOROBENZENE	18.74	146	4061	0.17	PPBV		93
93)	n-BUTYLBENZENE	19.03	134	871	0.09	PPBV	#	75
94)	HEXACHLOROBUTADIENE	21.14	225	2097	0.25	PPBV		90

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

ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 05 11:17:44 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

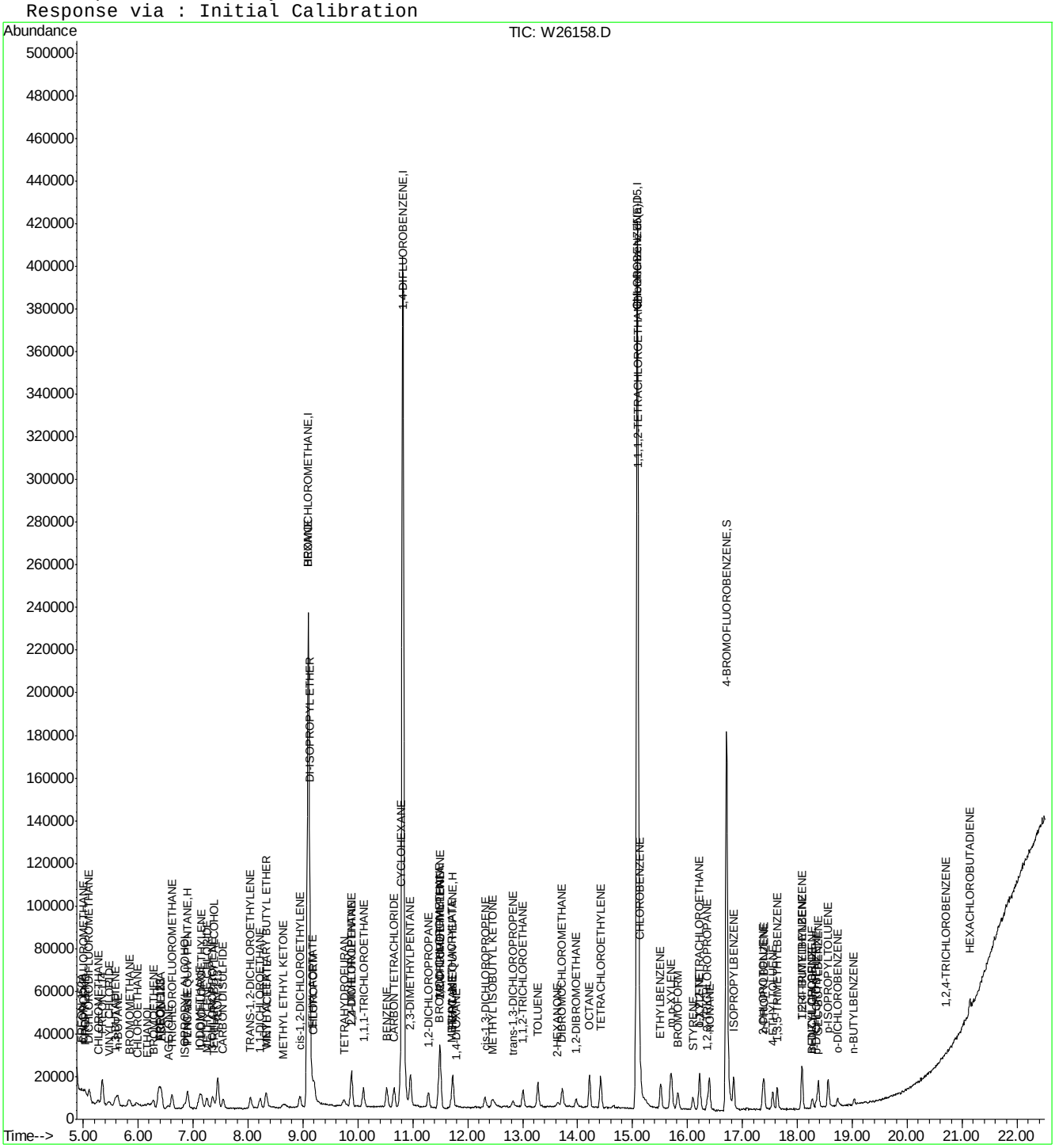
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.70	180	699m	0.13	PPBV	

(#) = qualifier out of range (m) = manual integration (+) = signals summed
W26158.D MW1082.M Thu May 06 09:48:40 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:20 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

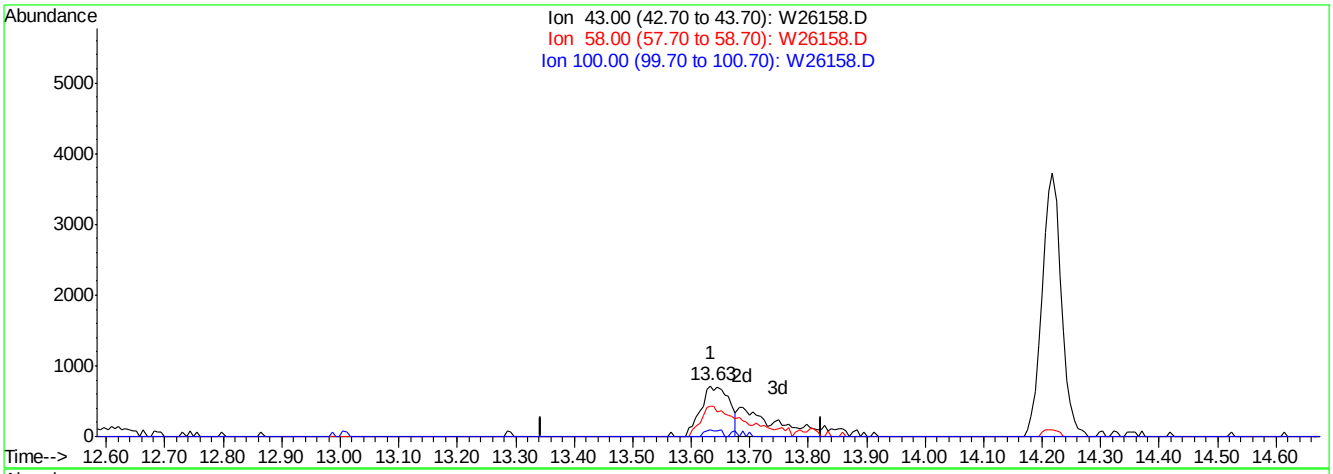


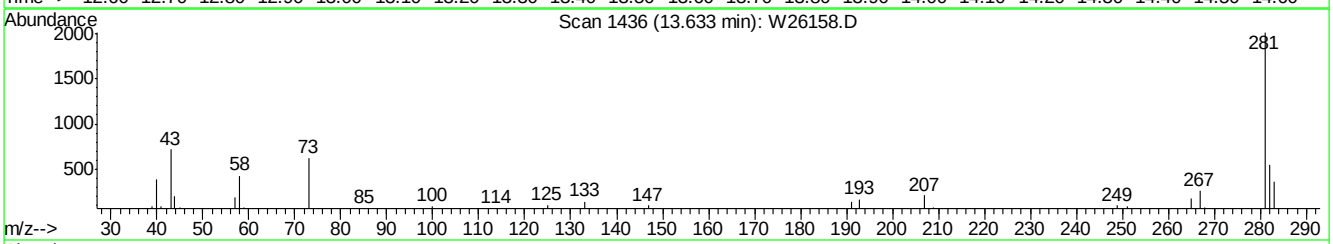
ACCUTEST JA45152 Laboratories

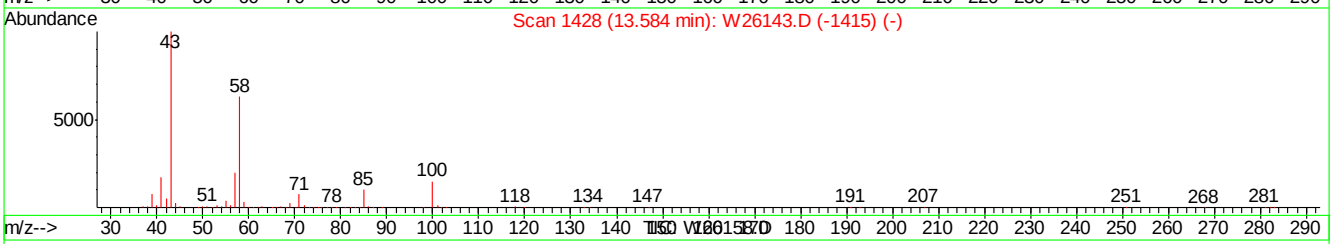
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:18 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Multiple Level Calibration







(64) 2-HEXANONE

13.63min 0.10PPBV

response 2448

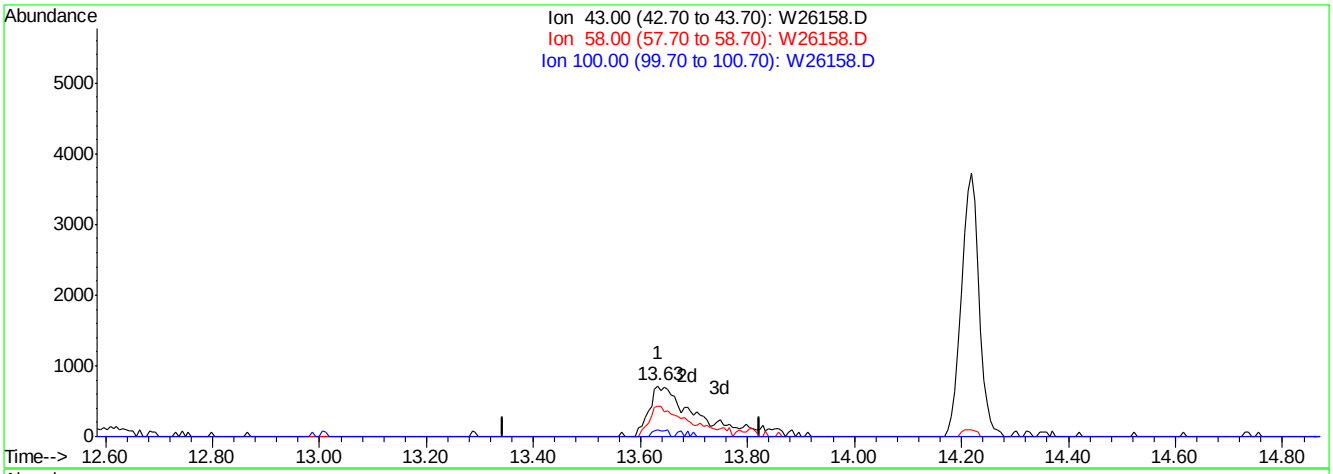
Ion	Exp%	Act%
43.00	100	100
58.00	61.20	73.08
100.00	13.90	7.31
0.00	0.00	0.00

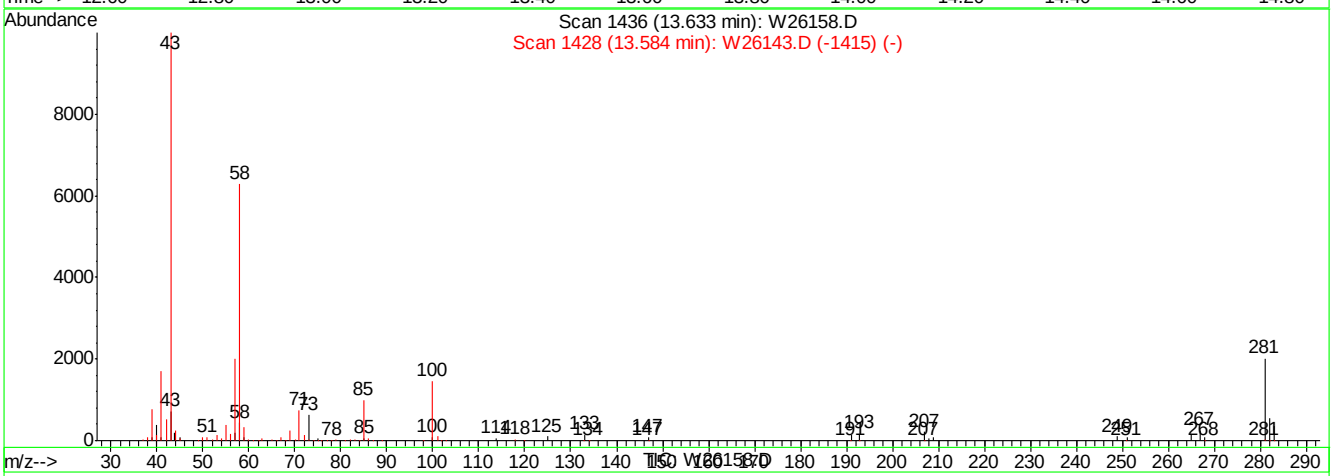
W26158.D MW1082.M Wed May 05 11:18:58 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:19 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Multiple Level Calibration





(64) 2-HEXANONE

13.63min 0.19PPBV m

response 4537

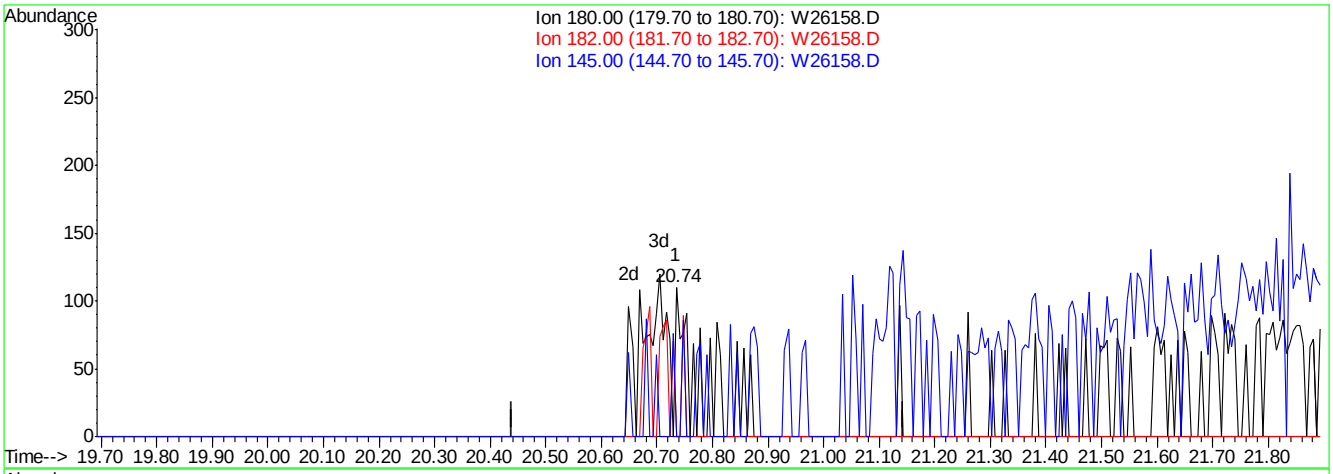
Ion	Exp%	Act%
43.00	100	100
58.00	61.20	39.43#
100.00	13.90	3.95
0.00	0.00	0.00

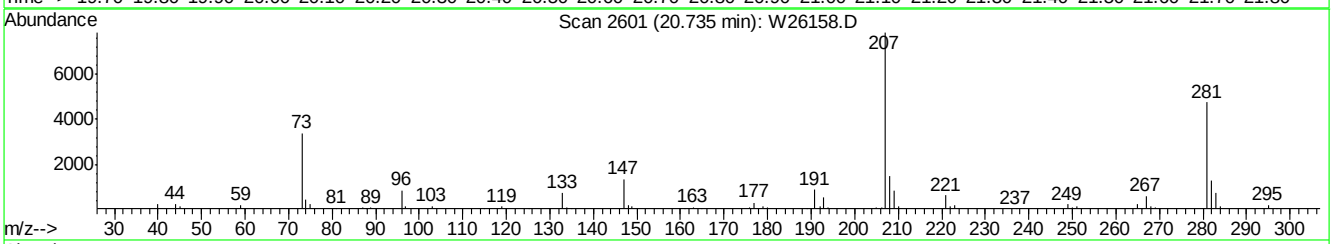
W26158.D MW1082.M Wed May 05 11:19:07 2010 MSW

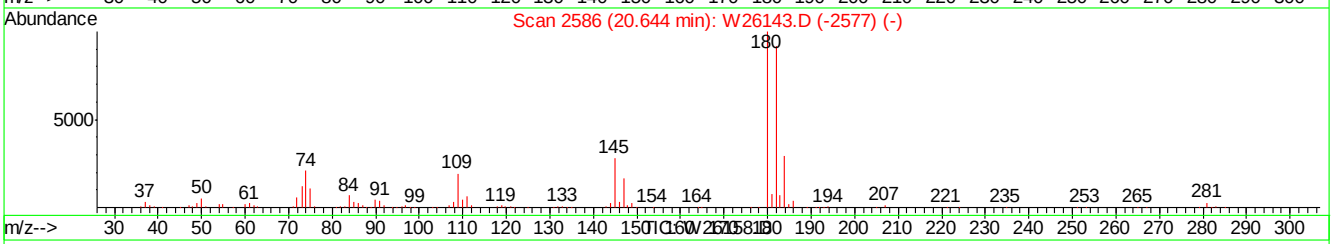
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Multiple Level Calibration







(95) 1,2,4-TRICHLOROBENZENE

20.74min 0.02PPBV

response 128

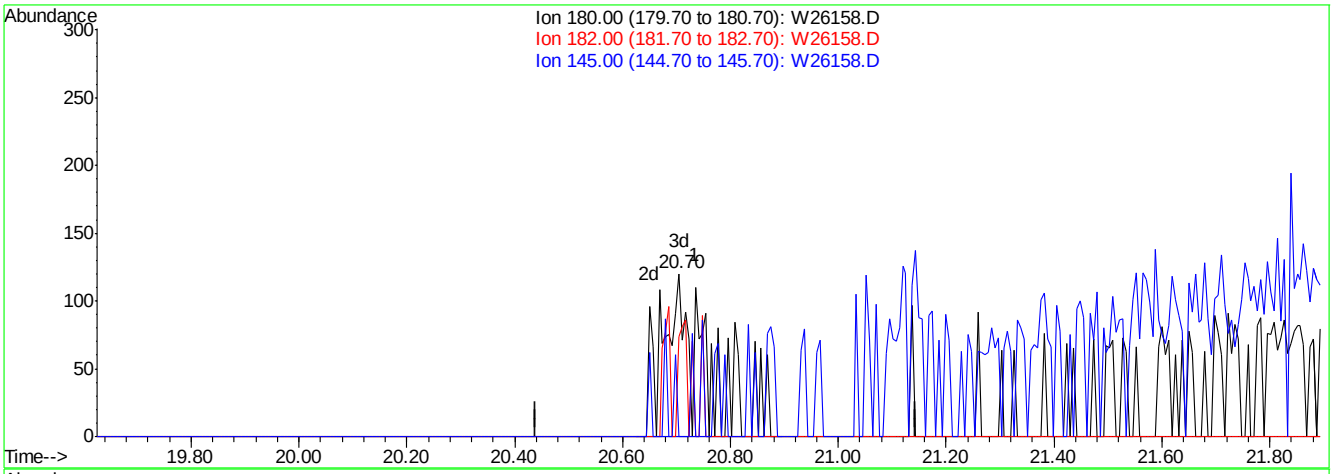
Ion	Exp%	Act%
180.00	100	100
182.00	89.10	89.06
145.00	24.10	21.88
0.00	0.00	0.00

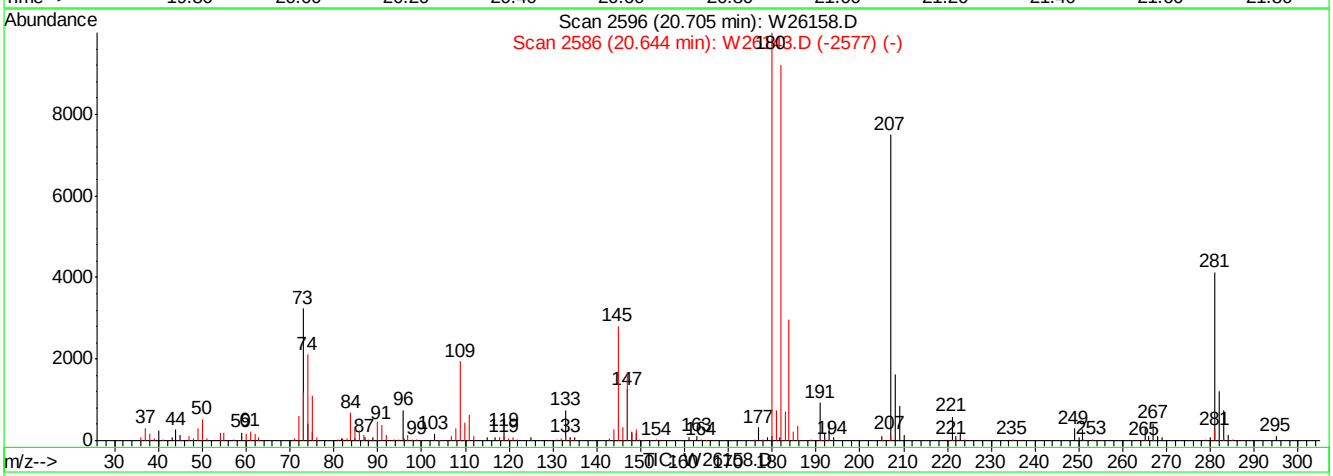
W26158.D MW1082.M Wed May 05 11:20:37 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 09:26:29 2010
Response via : Multiple Level Calibration





(95) 1,2,4-TRICHLOROBENZENE

20.70min 0.13PPBV m

response 699

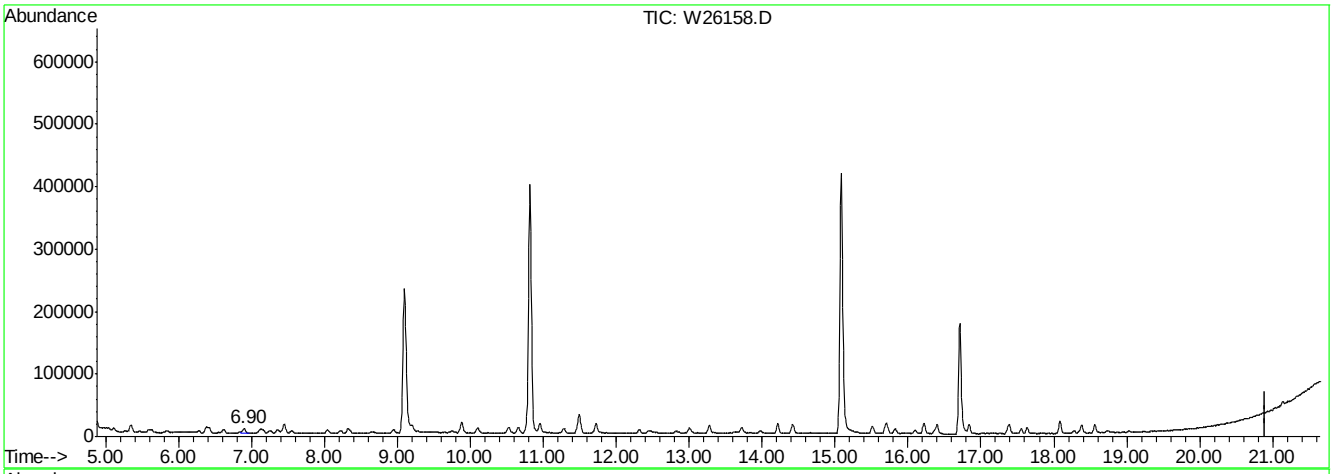
Ion	Exp%	Act%
180.00	100	100
182.00	89.10	16.31#
145.00	24.10	4.01#
0.00	0.00	0.00

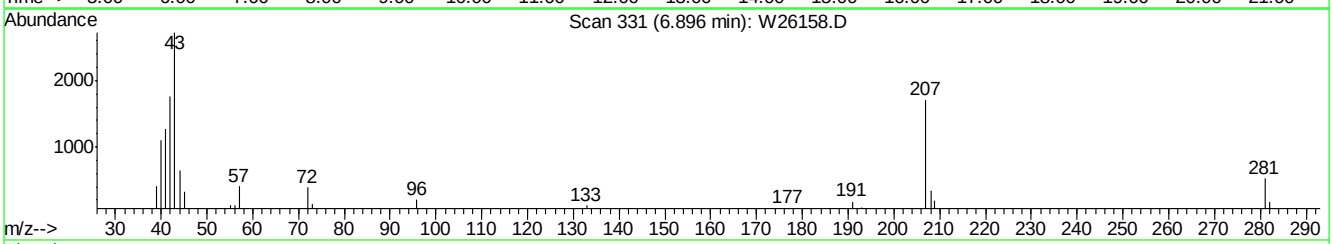
W26158.D MW1082.M Wed May 05 11:20:50 2010 MSW

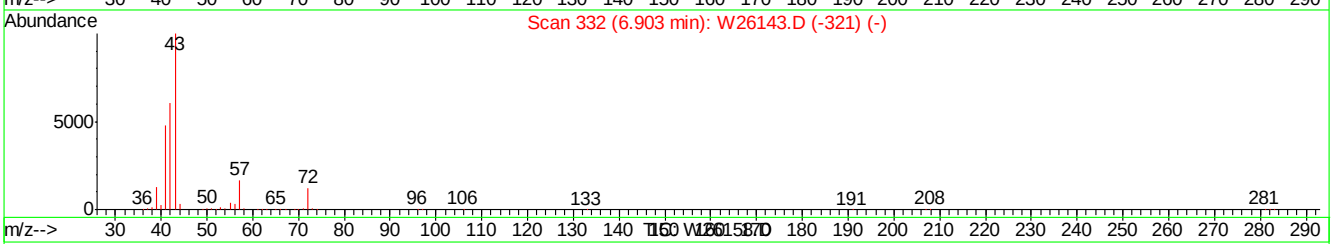
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 0.24PPBV m

response 23709

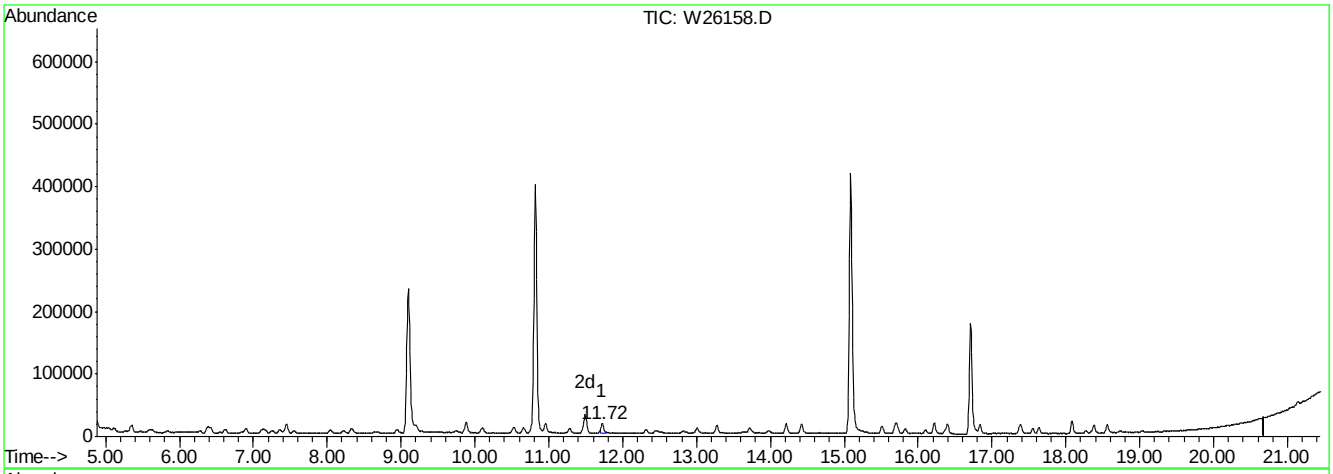
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

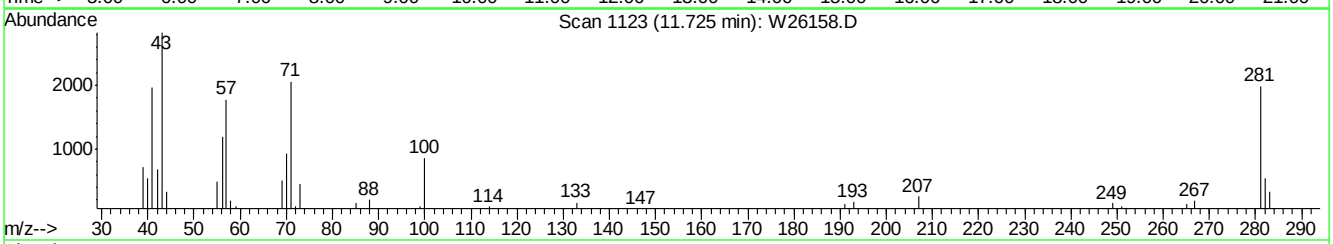
W26158.D MW1082.M Thu May 06 09:50:31 2010 MSW

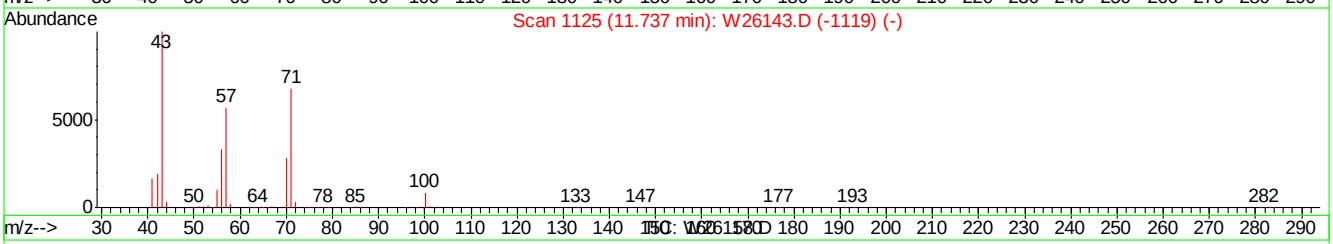
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26158.D Vial: 1
Acq On : 5 May 2010 10:28 am Operator: YOUMINH
Sample : IC1082-0.2 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 5 11:20 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(57) TVHC as EQUIV HEPTANE (H)

11.72min 0.24PPBV m

response 35417

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26158.D MW1082.M Thu May 06 09:50:34 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:02 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	9.11	128	113064	10.00	PPBV		0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	519322	10.00	PPBV		0.00
63) CHLOROBENZENE-D5	15.10	82	237997	10.00	PPBV		0.00
96) Chlorobenzene-d5(a)	15.10	82	237997	10.00	PPBV		0.00
System Monitoring Compounds							
78) 4-BROMOFLUOROBENZENE	16.72	95	131959	5.73	PPBV		0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 114.60%				
Target Compounds							Qvalue
3) FREON 152A	4.98	65	97436	10.26	PPBV		99
4) CHLORODIFLUOROMETHANE	5.01	67	32689	9.48	PPBV		99
5) DICHLORODIFLUOROMETHANE	5.12	85	375053	9.63	PPBV		100
6) PROPYLENE	5.05	41	126303	9.34	PPBV		97
7) FREON 114	5.35	85	467644	9.92	PPBV		99
8) CHLOROMETHANE	5.27	52	47068	9.91	PPBV		95
9) VINYL CHLORIDE	5.48	62	175591	9.74	PPBV		100
10) 1,3-BUTADIENE	5.59	54	136511	9.86	PPBV		99
11) n-BUTANE	5.63	43	261028	9.64	PPBV		100
12) BROMOMETHANE	5.84	94	160581	10.28	PPBV		100
13) CHLOROETHANE	5.99	64	99878	10.13	PPBV		99
14) ACROLEIN	6.40	56	54953	10.10	PPBV		99
15) FREON 123	6.38	83	408462	9.92	PPBV	#	100
16) FREON 123A	6.43	117	243293	9.80	PPBV		97
17) TRICHLOROFLUOROMETHANE	6.62	101	375577	9.63	PPBV		100
18) ISOPROPYL ALCOHOL	6.77	45	236010	9.05	PPBV		98
19) ACETONE	6.53	58	68022	9.48	PPBV		98
20) PENTANE	6.91	57	49199	9.60	PPBV		98
21) TVHC as EQUIV PENTANE	6.91	TIC	842260m	9.34	PPBV		
22) IODOMETHANE	7.12	142	452520	10.14	PPBV		99
23) 1,1-DICHLOROETHYLENE	7.16	96	171286	9.78	PPBV		98
24) CARBON DISULFIDE	7.55	76	487692	9.82	PPBV		99
25) ETHANOL	6.16	45	53946	8.54	PPBV		99
26) BROMOETHENE	6.28	106	168064	9.99	PPBV		100
27) METHYLENE CHLORIDE	7.26	84	146657	9.72	PPBV		97
28) 3-CHLOROPROPENE	7.36	76	82461	10.13	PPBV	#	79
29) FREON 113	7.46	151	294762	9.83	PPBV		99
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	177653	10.07	PPBV		98
31) TERTIARY BUTYL ALCOHOL	7.29	59	303536	9.18	PPBV	#	79
32) METHYL TERTIARY BUTYL ETHE	8.31	73	392670	9.05	PPBV		100
33) TETRAHYDROFURAN	9.67	72	73198	9.94	PPBV		96
34) HEXANE	9.10	57	284015	9.62	PPBV		98
35) VINYL ACETATE	8.34	86	42203	11.32	PPBV	#	86
36) 1,1-DICHLOROETHANE	8.23	63	306222	9.89	PPBV		100
37) METHYL ETHYL KETONE	8.62	72	69601	9.69	PPBV		97
38) cis-1,2-DICHLOROETHYLENE	8.96	96	185093	10.00	PPBV		97
39) DI-ISOPROPYL ETHER	9.13	45	488088	8.89	PPBV		99
40) ETHYL ACETATE	9.16	61	45116	9.28	PPBV	#	88
41) CHLOROFORM	9.22	83	326189	9.86	PPBV		99
42) 2,4-DIMETHYLPENTANE	9.90	57	350459	9.78	PPBV		99

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

ACCUTEST JA45152 Laboratories

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:02 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.11	97	325858	9.68	PPBV		99
44)	CARBON TETRACHLORIDE	10.67	117	339470	9.83	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	177246	9.94	PPBV		100
47)	BENZENE	10.54	78	556931	10.37	PPBV		99
48)	CYCLOHEXANE	10.79	84	267394	10.27	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.97	71	140821	10.25	PPBV		98
50)	TRICHLOROETHYLENE	11.51	95	227947	10.15	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	194255	9.98	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	351411	10.36	PPBV		100
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	915124	10.29	PPBV		100
54)	1,4-DIOXANE	11.61	88	96733	8.77	PPBV		99
55)	METHYL METHACRYLATE	11.69	69	152819	9.88	PPBV		99
56)	HEPTANE	11.74	43	316629	9.84	PPBV		98
57)	TVHC as EQUIV HEPTANE	11.74	TIC	1449123m	10.30	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	275845	9.54	PPBV		98
59)	cis-1,3-DICHLOROPROPENE	12.32	75	281993	10.28	PPBV		99
60)	TOLUENE	13.29	92	390220	10.54	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.83	75	216852	10.71	PPBV		99
62)	1,1,2-TRICHLOROETHANE	13.02	83	173295	10.60	PPBV		100
64)	2-HEXANONE	13.59	43	253674	9.87	PPBV		100
65)	TETRACHLOROETHYLENE	14.43	164	266247	10.10	PPBV		100
66)	DIBROMOCHLOROMETHANE	13.74	129	354426	10.26	PPBV		99
67)	1,2-DIBROMOETHANE	13.98	107	287988	10.67	PPBV		100
68)	OCTANE	14.22	43	414708	9.87	PPBV		98
69)	1,1,1,2-TETRACHLOROETHANE	15.12	131	270988	10.06	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	488452	10.11	PPBV		99
71)	ETHYLBENZENE	15.52	91	783450	10.30	PPBV		99
72)	m,p-XYLENE	15.71	106	621651	20.92	PPBV		97
73)	o-XYLENE	16.22	106	301842	10.44	PPBV		99
74)	STYRENE	16.11	104	435832	11.68	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.38	75	263633	10.05	PPBV		99
76)	NONANE	16.41	43	388957	10.51	PPBV		99
77)	BROMOFORM	15.84	173	332425	10.75	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	353912	10.26	PPBV		100
80)	ISOPROPYLBENZENE	16.85	105	841175	10.44	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	202656	10.81	PPBV		95
82)	n-PROPYLBENZENE	17.40	120	225358	11.51	PPBV		98
83)	4-ETHYLTOLUENE	17.56	105	726880	11.73	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	574786	10.64	PPBV		100
85)	TERT-BUTYLBENZENE	18.09	134	154217	10.58	PPBV		98
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	547058	11.12	PPBV		99
87)	m-DICHLOROBENZENE	18.28	146	355240	12.46	PPBV		100
88)	BENZYL CHLORIDE	18.26	91	351986	12.72	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	334425	12.88	PPBV		100
90)	SEC-BUTYLBENZENE	18.39	134	179384	10.99	PPBV		98
91)	p-ISOPROPYLTOLUENE	18.56	134	167315	10.86	PPBV		98
92)	o-DICHLOROBENZENE	18.74	146	305354	11.55	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	126853	12.23	PPBV		97
94)	HEXACHLOROBUTADIENE	21.14	225	72184	8.30	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:02 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

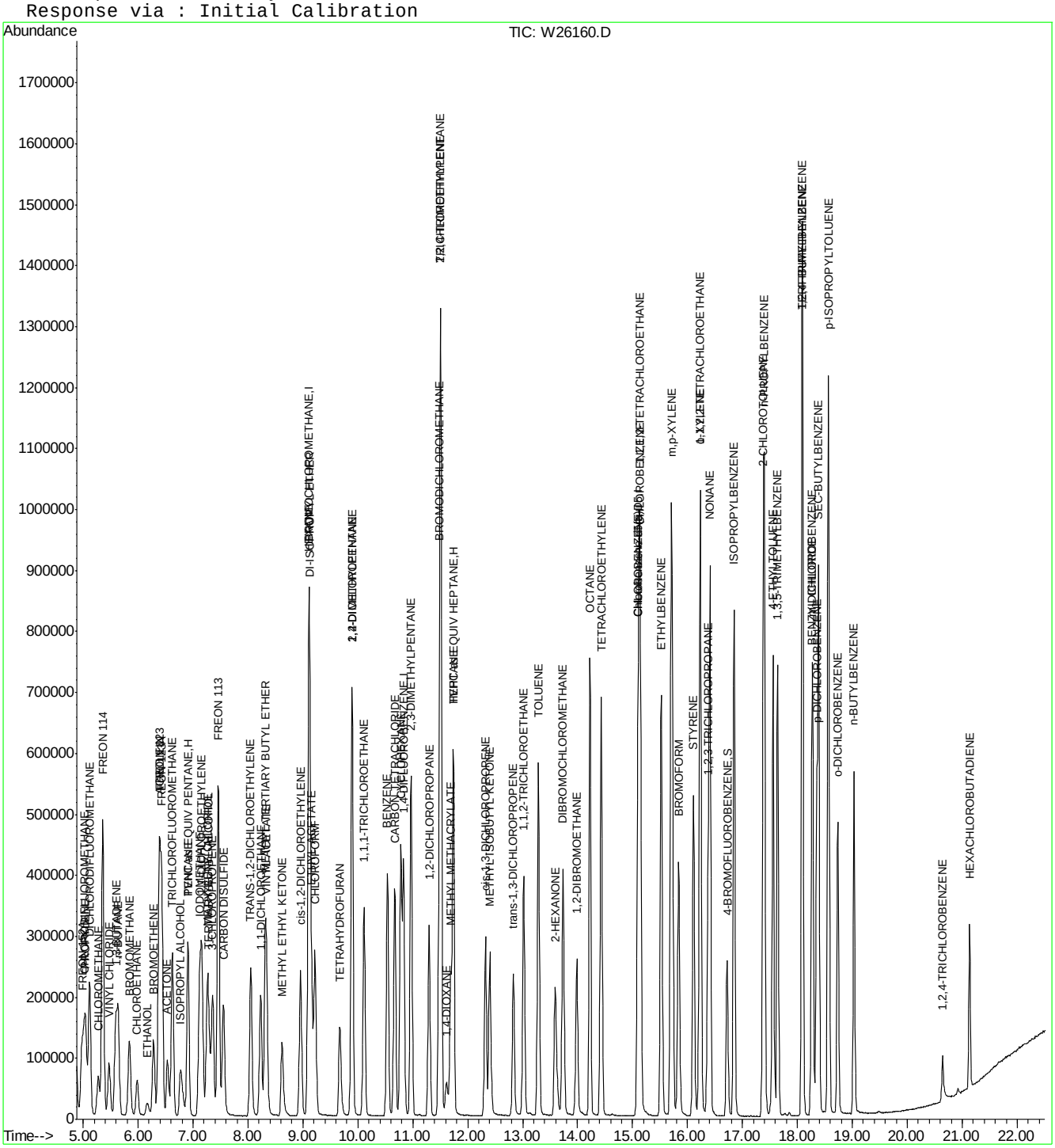
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	52220	9.59	PPBV	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:53 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

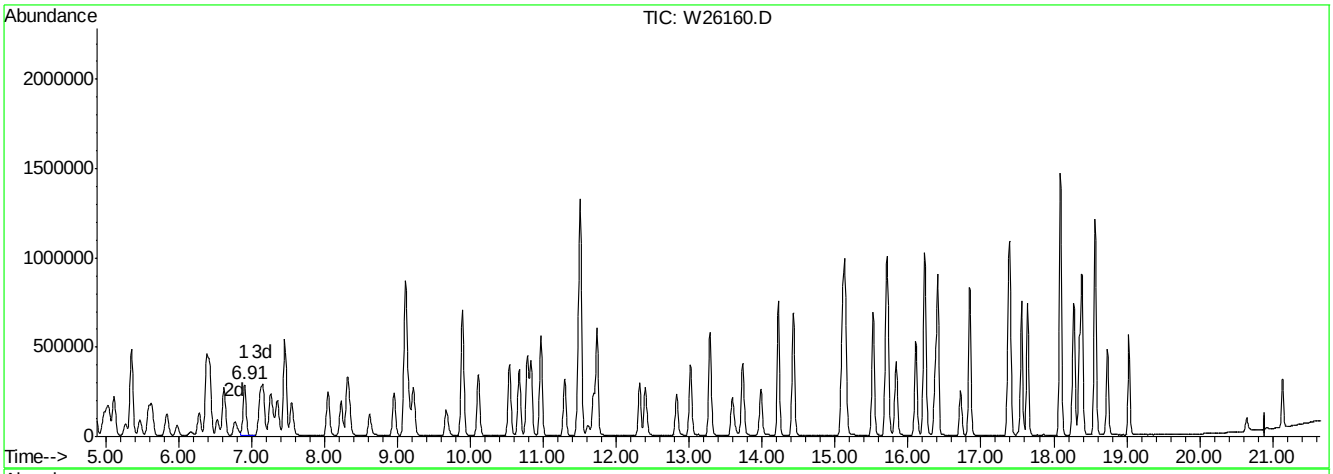


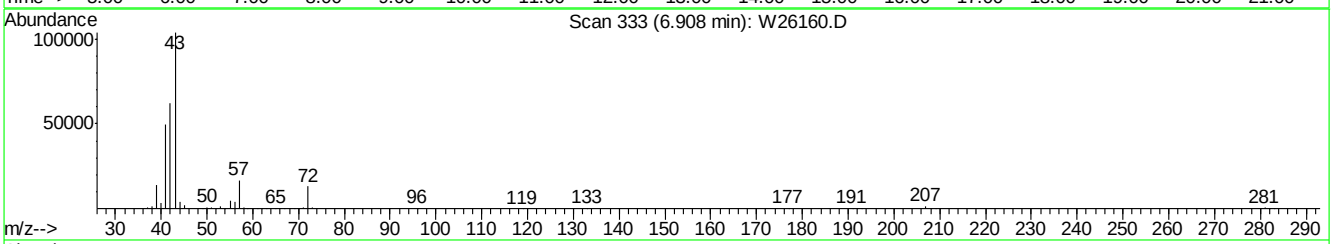
ACCUTEST JA45152 Laboratories

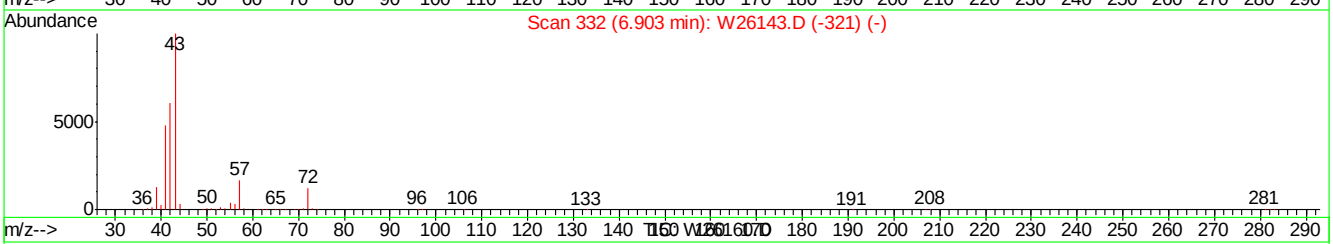
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:53 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.91min 9.34PPBV m

response 842260

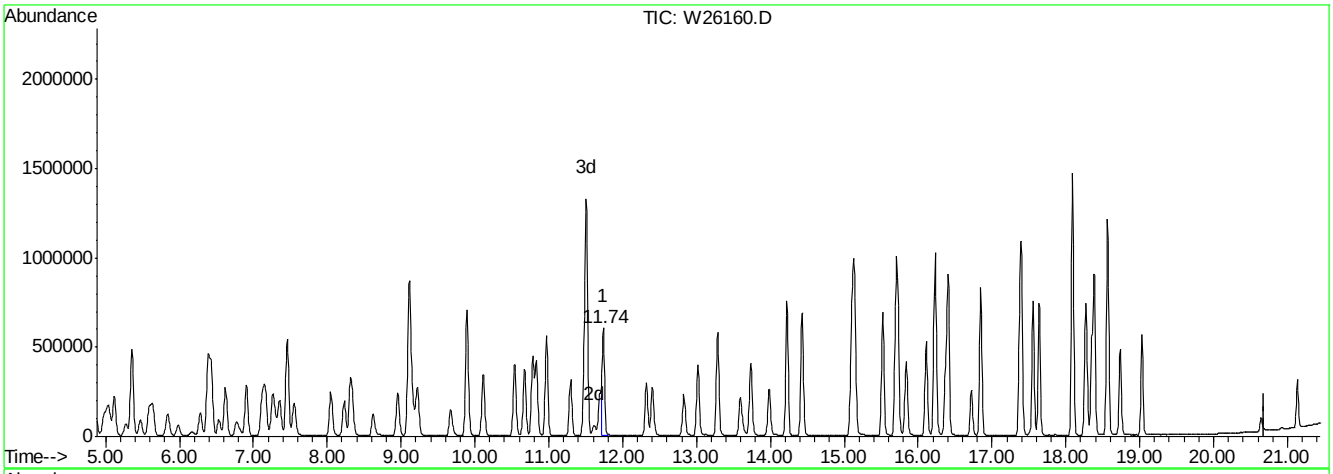
Signal	Exp%	Act%
TIC	100	100
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0.00	0.00	0.00
0.00	0.00	0.00

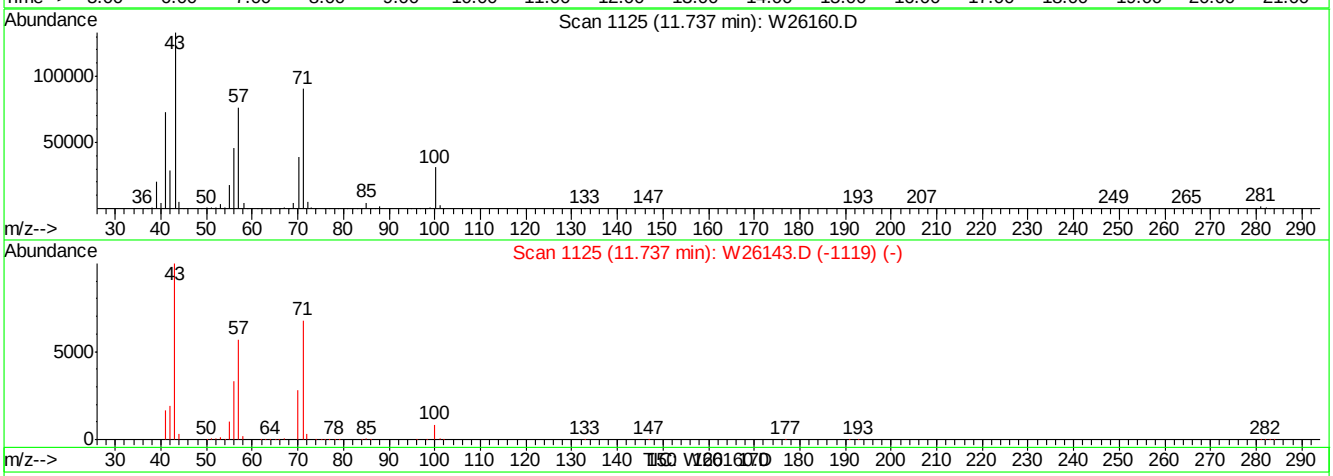
W26160.D MW1082.M Thu May 06 10:31:59 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26160.D Vial: 2
Acq On : 5 May 2010 12:19 pm Operator: YOUMINH
Sample : CC1082-10 Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:53 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 10.30PPBV m

response 1449123

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

W26160.D MW1082.M Thu May 06 10:32:03 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.12	128	141354	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.83	114	714821	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.10	82	310258	10.00	PPBV	0.00
96) Chlorobenzene-d5(a)	15.10	82	310258	10.00	PPBV	0.00
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.72	95	154304	5.14	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 102.80%			
Target Compounds						Qvalue
3) FREON 152A	4.98	65	103446	8.72	PPBV	96
4) CHLORODIFLUOROMETHANE	5.02	67	34929	8.10	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.12	85	398801	8.19	PPBV	100
6) PROPYLENE	5.05	41	132995	7.87	PPBV	99
7) FREON 114	5.35	85	502873	8.54	PPBV	98
8) CHLOROMETHANE	5.27	52	48786	8.22	PPBV	99
9) VINYL CHLORIDE	5.47	62	187991	8.34	PPBV	100
10) 1,3-BUTADIENE	5.59	54	146266	8.45	PPBV	97
11) n-BUTANE	5.63	43	273862	8.09	PPBV	98
12) BROMOMETHANE	5.84	94	175473	8.98	PPBV	99
13) CHLOROETHANE	5.98	64	107941	8.76	PPBV	99
14) ACROLEIN	6.41	56	63192	9.29	PPBV	99
15) FREON 123	6.38	83	445645	8.66	PPBV #	100
16) FREON 123A	6.43	117	266700	8.60	PPBV	96
17) TRICHLOROFLUOROMETHANE	6.62	101	409029	8.39	PPBV	99
18) ISOPROPYL ALCOHOL	6.78	45	286644	8.79	PPBV	100
19) ACETONE	6.53	58	81673	9.10	PPBV	95
20) PENTANE	6.91	57	53961	8.42	PPBV	97
21) TVHC as EQUIV PENTANE	6.91	TIC	911560m	8.09	PPBV	
22) IODOMETHANE	7.12	142	512756	9.19	PPBV	97
23) 1,1-DICHLOROETHYLENE	7.16	96	194499	8.88	PPBV	94
24) CARBON DISULFIDE	7.55	76	536973	8.65	PPBV	99
25) ETHANOL	6.17	45	62942	7.97	PPBV	99
26) BROMOETHENE	6.28	106	188546	8.96	PPBV	99
27) METHYLENE CHLORIDE	7.26	84	161454	8.56	PPBV	95
28) 3-CHLOROPROPENE	7.36	76	91200	8.96	PPBV #	83
29) FREON 113	7.46	151	332695	8.87	PPBV	98
30) TRANS-1,2-DICHLOROETHYLENE	8.05	96	197226	8.94	PPBV	97
31) TERTIARY BUTYL ALCOHOL	7.29	59	373325	9.03	PPBV #	78
32) METHYL TERTIARY BUTYL ETHE	8.32	73	481652	8.88	PPBV	99
33) TETRAHYDROFURAN	9.67	72	91475	9.94	PPBV	92
34) HEXANE	9.10	57	309536	8.39	PPBV	99
35) VINYL ACETATE	8.35	86	49874	10.70	PPBV #	80
36) 1,1-DICHLOROETHANE	8.23	63	329728	8.52	PPBV	99
37) METHYL ETHYL KETONE	8.62	72	88628	9.87	PPBV	93
38) cis-1,2-DICHLOROETHYLENE	8.96	96	203094	8.77	PPBV	97
39) DI-ISOPROPYL ETHER	9.13	45	589679	8.59	PPBV	99
40) ETHYL ACETATE	9.16	61	55860	9.19	PPBV #	74
41) CHLOROFORM	9.23	83	354894	8.58	PPBV	99
42) 2,4-DIMETHYLPENTANE	9.90	57	374158	8.35	PPBV	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.12	97	351158	8.34	PPBV		99
44)	CARBON TETRACHLORIDE	10.67	117	371455	8.60	PPBV		100
45)	1,2-DICHLOROETHANE	9.89	62	192081	8.62	PPBV		99
47)	BENZENE	10.54	78	610959	8.26	PPBV		99
48)	CYCLOHEXANE	10.79	84	295757	8.25	PPBV		97
49)	2,3-DIMETHYLPENTANE	10.97	71	153356	8.11	PPBV		94
50)	TRICHLOROETHYLENE	11.51	95	254428	8.23	PPBV		98
51)	1,2-DICHLOROPROPANE	11.30	63	215776	8.06	PPBV		100
52)	BROMODICHLOROMETHANE	11.48	83	389113	8.33	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	971122	7.93	PPBV		100
54)	1,4-DIOXANE	11.61	88	125217	8.25	PPBV		97
55)	METHYL METHACRYLATE	11.69	69	193894	9.11	PPBV		94
56)	HEPTANE	11.74	43	332728	7.51	PPBV		96
57)	TVHC as EQUIV HEPTANE	11.74	TIC	1584097m	8.18	PPBV		
58)	METHYL ISOBUTYL KETONE	12.41	43	340709	8.56	PPBV		97
59)	cis-1,3-DICHLOROPROPENE	12.32	75	320820	8.49	PPBV		97
60)	TOLUENE	13.29	92	438914	8.62	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.83	75	248298	8.91	PPBV		97
62)	1,1,2-TRICHLOROETHANE	13.02	83	196878	8.75	PPBV		99
64)	2-HEXANONE	13.60	43	310395	9.26	PPBV		97
65)	TETRACHLOROETHYLENE	14.43	164	298965	8.70	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.74	129	399442	8.87	PPBV		99
67)	1,2-DIBROMOETHANE	13.99	107	332215	9.44	PPBV		100
68)	OCTANE	14.22	43	434850	7.94	PPBV		95
69)	1,1,1,2-TETRACHLOROETHANE	15.13	131	303921	8.66	PPBV	#	100
70)	CHLOROBENZENE	15.14	112	556781	8.84	PPBV		99
71)	ETHYLBENZENE	15.52	91	887705	8.96	PPBV		99
72)	m,p-XYLENE	15.71	106	715039	18.46	PPBV		98
73)	o-XYLENE	16.23	106	343175	9.10	PPBV		98
74)	STYRENE	16.11	104	502214	10.33	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.38	75	311073	9.10	PPBV		99
76)	NONANE	16.41	43	413406	8.57	PPBV		97
77)	BROMOFORM	15.84	173	385389	9.56	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.24	83	415135	9.23	PPBV		99
80)	ISOPROPYLBENZENE	16.85	105	965405	9.19	PPBV		99
81)	2-CHLOROTOLUENE	17.38	126	231581	9.48	PPBV		96
82)	n-PROPYLBENZENE	17.40	120	262942	10.30	PPBV		95
83)	4-ETHYLTOLUENE	17.56	105	855495	10.59	PPBV		99
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	684743	9.73	PPBV		100
85)	TERT-BUTYLBENZENE	18.09	134	186325	9.80	PPBV		97
86)	1,2,4-TRIMETHYLBENZENE	18.10	105	657925	10.26	PPBV		100
87)	m-DICHLOROBENZENE	18.28	146	413805	11.13	PPBV		99
88)	BENZYL CHLORIDE	18.26	91	436091	12.09	PPBV		99
89)	p-DICHLOROBENZENE	18.35	146	391441	11.57	PPBV		100
90)	SEC-BUTYLBENZENE	18.39	134	215329	10.12	PPBV		96
91)	p-ISOPROPYLTOLUENE	18.56	134	206954	10.31	PPBV		97
92)	o-DICHLOROBENZENE	18.74	146	359163	10.42	PPBV		100
93)	n-BUTYLBENZENE	19.03	134	158408	11.71	PPBV		94
94)	HEXACHLOROBUTADIENE	21.14	225	91218	8.04	PPBV		100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 06 08:48:04 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

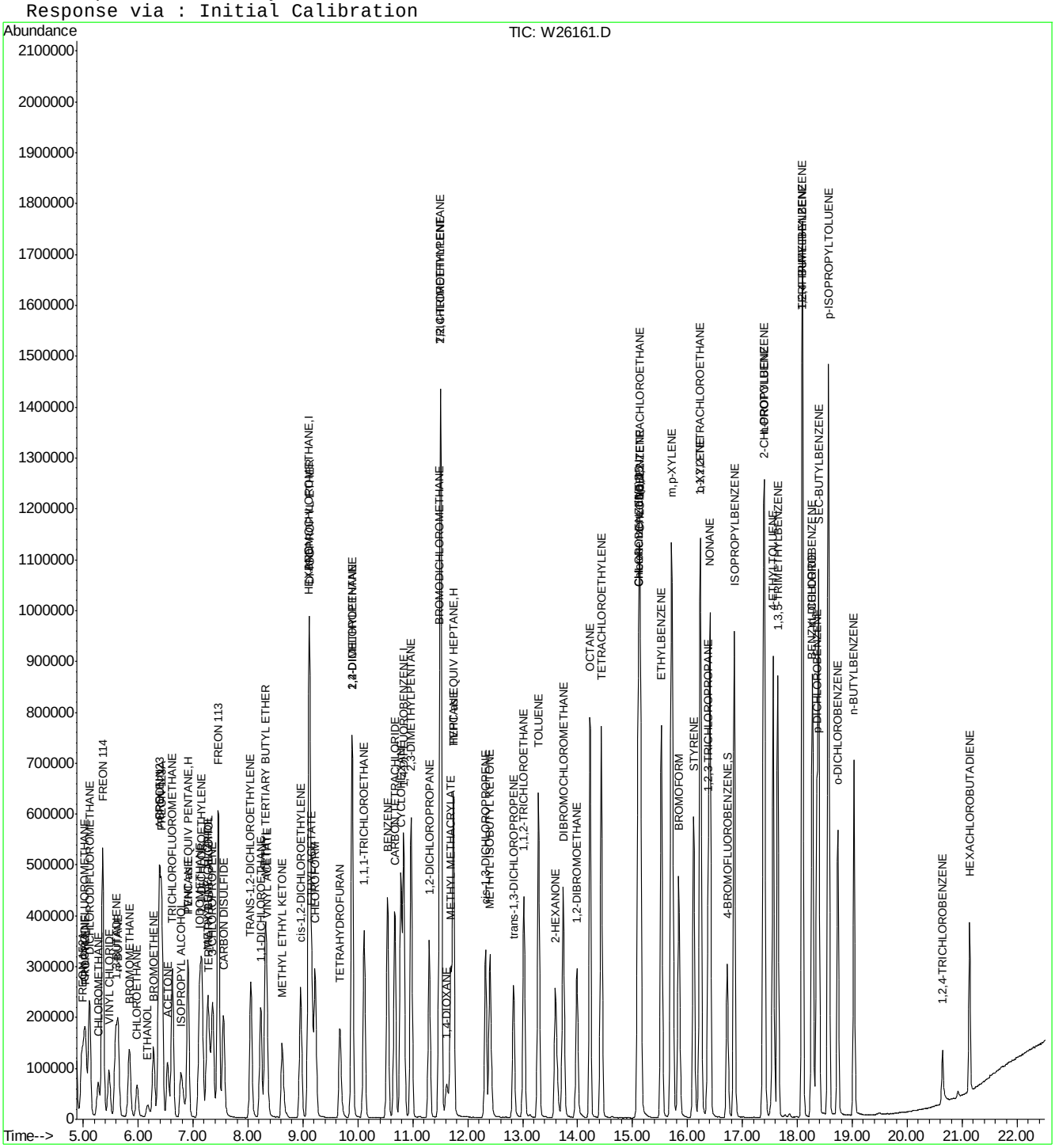
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	71577	10.08	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : BS Inst : MSW
Misc : MS49009,VW1082,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

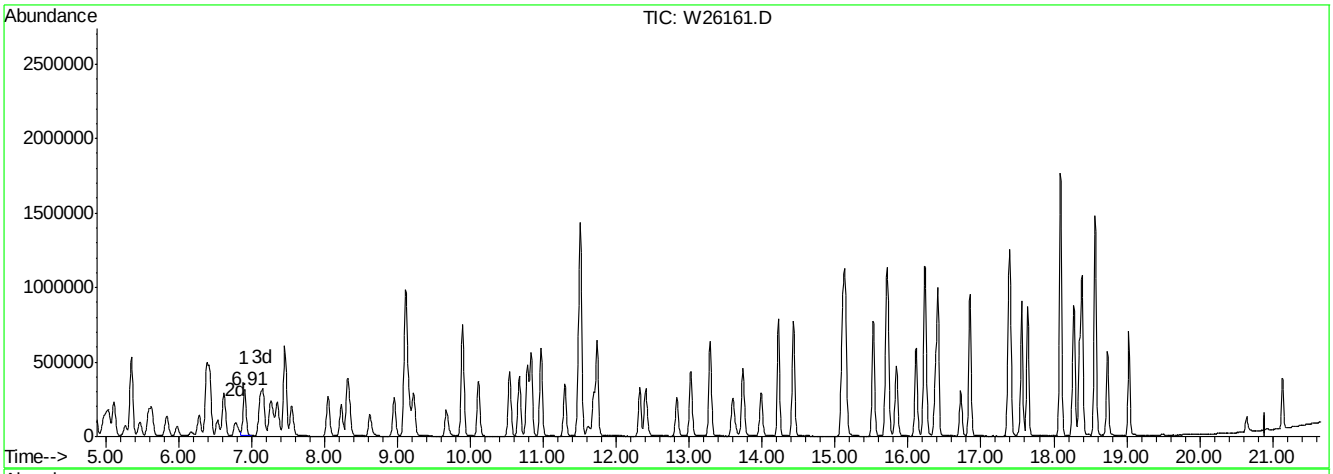


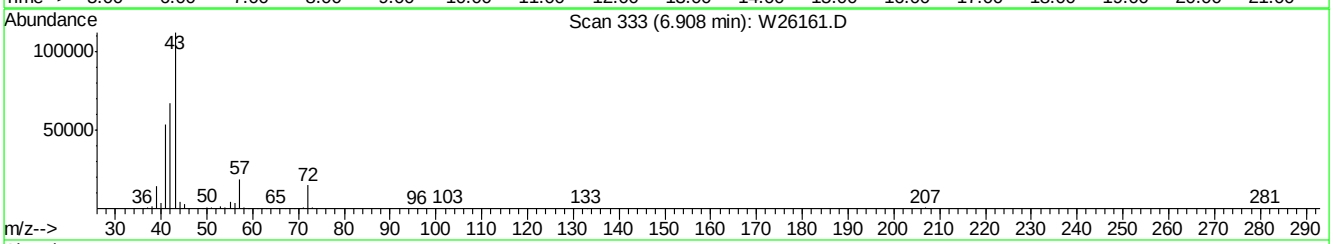
ACCUTEST Laboratories JA45152

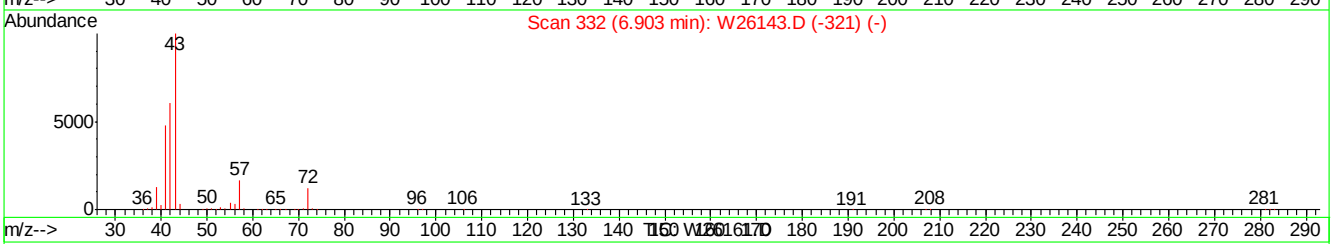
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : ICV1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.91min 8.09PPBV m

response 911560

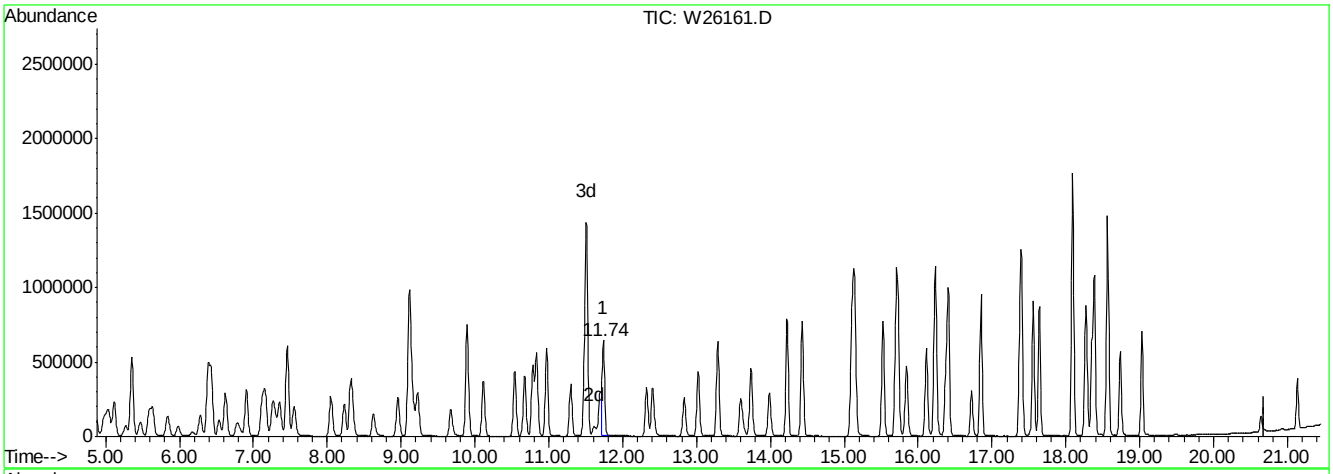
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

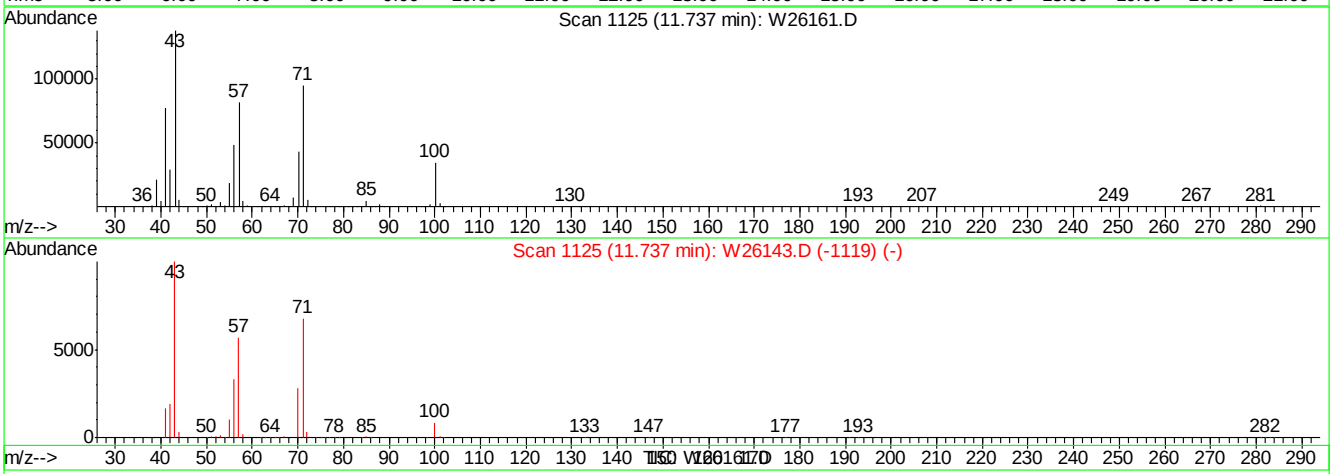
W26161.D MW1082.M Thu May 06 11:38:30 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26161.D Vial: 3
Acq On : 5 May 2010 3:05 pm Operator: YOUMINH
Sample : ICV1082-10 Inst : MSW
Misc : MS49009,VW1083,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 6 9:51 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration





(57) TVHC as EQUIV HEPTANE (H)

11.74min 8.18PPBV m

response 1584097

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26161.D MW1082.M Thu May 06 11:38:33 2010 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	9.10	128	138467	10.00	PPBV	0.00
46) 1,4-DIFLUOROBENZENE	10.82	114	734271	10.00	PPBV	0.00
63) CHLOROBENZENE-D5	15.09	82	332654	10.00	PPBV	0.00
96) Chlorobenzene-d5(a)	15.09	82	332654	10.00	PPBV	0.00
System Monitoring Compounds						
78) 4-BROMOFLUOROBENZENE	16.72	95	189313	5.88	PPBV	0.00
Spiked Amount 5.000	Range 65 - 128		Recovery = 117.60%			
Target Compounds						Qvalue
3) FREON 152A	4.97	65	53278	4.58	PPBV	100
4) CHLORODIFLUOROMETHANE	5.01	67	18219	4.31	PPBV	99
5) DICHLORODIFLUOROMETHANE	5.11	85	207730	4.35	PPBV	100
6) PROPYLENE	5.04	41	71521	4.32	PPBV	98
7) FREON 114	5.35	85	259459	4.50	PPBV	100
8) CHLOROMETHANE	5.27	52	26813	4.61	PPBV #	88
9) VINYL CHLORIDE	5.46	62	100174	4.54	PPBV	100
10) 1,3-BUTADIENE	5.59	54	76675	4.52	PPBV	100
11) n-BUTANE	5.63	43	149575	4.51	PPBV	98
12) BROMOMETHANE	5.83	94	89387	4.67	PPBV	100
13) CHLOROETHANE	5.98	64	56438	4.67	PPBV	100
14) ACROLEIN	6.40	56	32312	4.85	PPBV	99
15) FREON 123	6.38	83	226566	4.49	PPBV #	99
16) FREON 123A	6.42	117	131658	4.33	PPBV	99
17) TRICHLOROFLUOROMETHANE	6.62	101	210685	4.41	PPBV	99
18) ISOPROPYL ALCOHOL	6.77	45	160251	5.02	PPBV	99
19) ACETONE	6.52	58	44256	5.03	PPBV	97
20) PENTANE	6.90	57	29040	4.63	PPBV	97
21) TVHC as EQUIV PENTANE	6.90	TIC	492971m	4.46	PPBV	
22) IODOMETHANE	7.11	142	251932	4.61	PPBV	99
23) 1,1-DICHLOROETHYLENE	7.16	96	97141	4.53	PPBV	99
24) CARBON DISULFIDE	7.55	76	279607	4.60	PPBV	100
25) ETHANOL	6.16	45	36280	4.69	PPBV	98
26) BROMOETHENE	6.27	106	94138	4.57	PPBV	100
27) METHYLENE CHLORIDE	7.25	84	82169	4.45	PPBV	98
28) 3-CHLOROPROPENE	7.35	76	46728	4.69	PPBV #	73
29) FREON 113	7.45	151	163450	4.45	PPBV	100
30) TRANS-1,2-DICHLOROETHYLENE	8.04	96	98917	4.58	PPBV	99
31) TERTIARY BUTYL ALCOHOL	7.29	59	204718	5.06	PPBV #	79
32) METHYL TERTIARY BUTYL ETHE	8.30	73	258514	4.86	PPBV	100
33) TETRAHYDROFURAN	9.67	72	48596	5.39	PPBV	98
34) HEXANE	9.10	57	163621	4.53	PPBV	98
35) VINYL ACETATE	8.34	86	24894	5.45	PPBV #	94
36) 1,1-DICHLOROETHANE	8.23	63	173834	4.58	PPBV	100
37) METHYL ETHYL KETONE	8.62	72	47912	5.45	PPBV	93
38) cis-1,2-DICHLOROETHYLENE	8.95	96	102617	4.52	PPBV	99
39) DI-ISOPROPYL ETHER	9.12	45	328109	4.88	PPBV	100
40) ETHYL ACETATE	9.16	61	30890	5.19	PPBV #	89
41) CHLOROFORM	9.21	83	183951	4.54	PPBV	100
42) 2,4-DIMETHYLPENTANE	9.89	57	197578	4.50	PPBV	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-TRICHLOROETHANE	10.10	97	180177	4.37	PPBV		100
44)	CARBON TETRACHLORIDE	10.66	117	188949	4.47	PPBV		99
45)	1,2-DICHLOROETHANE	9.88	62	99523	4.56	PPBV		99
47)	BENZENE	10.54	78	311365	4.10	PPBV		100
48)	CYCLOHEXANE	10.78	84	152282	4.14	PPBV		96
49)	2,3-DIMETHYLPENTANE	10.96	71	78770	4.05	PPBV		98
50)	TRICHLOROETHYLENE	11.50	95	127721	4.02	PPBV		99
51)	1,2-DICHLOROPROPANE	11.29	63	110959	4.03	PPBV		99
52)	BROMODICHLOROMETHANE	11.47	83	196050	4.09	PPBV		99
53)	2,2,4-TRIMETHYLPENTANE	11.51	57	506232	4.03	PPBV		100
54)	1,4-DIOXANE	11.62	88	67602	4.33	PPBV		96
55)	METHYL METHACRYLATE	11.68	69	102928	4.71	PPBV		98
56)	HEPTANE	11.73	43	180328	3.96	PPBV		99
57)	TVHC as EQUIV HEPTANE	11.73	TIC	842416m	4.23	PPBV		
58)	METHYL ISOBUTYL KETONE	12.40	43	196661	4.81	PPBV		99
59)	cis-1,3-DICHLOROPROPENE	12.32	75	161134	4.15	PPBV		98
60)	TOLUENE	13.28	92	219179	4.19	PPBV		100
61)	trans-1,3-DICHLOROPROPENE	12.82	75	121067	4.23	PPBV		100
62)	1,1,2-TRICHLOROETHANE	13.01	83	98077	4.24	PPBV		99
64)	2-HEXANONE	13.59	43	176984	4.93	PPBV		99
65)	TETRACHLOROETHYLENE	14.43	164	143684	3.90	PPBV		99
66)	DIBROMOCHLOROMETHANE	13.73	129	193886	4.01	PPBV		100
67)	1,2-DIBROMOETHANE	13.97	107	160809	4.26	PPBV		100
68)	OCTANE	14.22	43	231006	3.93	PPBV		99
69)	1,1,1,2-TETRACHLOROETHANE	15.11	131	145734	3.87	PPBV	#	99
70)	CHLOROBENZENE	15.14	112	271587	4.02	PPBV		99
71)	ETHYLBENZENE	15.52	91	443906	4.18	PPBV		100
72)	m,p-XYLENE	15.71	106	350608	8.44	PPBV		98
73)	o-XYLENE	16.22	106	169359	4.19	PPBV		100
74)	STYRENE	16.10	104	242903	4.66	PPBV		99
75)	1,2,3-TRICHLOROPROPANE	16.37	75	156511	4.27	PPBV		99
76)	NONANE	16.40	43	217137	4.20	PPBV		100
77)	BROMOFORM	15.83	173	177725	4.11	PPBV		99
79)	1,1,2,2-TETRACHLOROETHANE	16.23	83	207980	4.31	PPBV		99
80)	ISOPROPYLBENZENE	16.85	105	483143	4.29	PPBV		100
81)	2-CHLOROTOLUENE	17.37	126	111116	4.24	PPBV		96
82)	n-PROPYLBENZENE	17.39	120	130136	4.76	PPBV		97
83)	4-ETHYLTOLUENE	17.55	105	425585	4.91	PPBV		100
84)	1,3,5-TRIMETHYLBENZENE	17.64	105	342263	4.53	PPBV		100
85)	TERT-BUTYLBENZENE	18.08	134	90813	4.46	PPBV		99
86)	1,2,4-TRIMETHYLBENZENE	18.09	105	326208	4.74	PPBV		99
87)	m-DICHLOROBENZENE	18.27	146	196818	4.94	PPBV		99
88)	BENZYL CHLORIDE	18.25	91	211149	5.46	PPBV		100
89)	p-DICHLOROBENZENE	18.35	146	178749	4.93	PPBV		99
90)	SEC-BUTYLBENZENE	18.38	134	105456	4.62	PPBV		99
91)	p-ISOPROPYLTOLUENE	18.56	134	104144	4.84	PPBV		98
92)	o-DICHLOROBENZENE	18.73	146	171383	4.64	PPBV		99
93)	n-BUTYLBENZENE	19.03	134	78206	5.39	PPBV		98
94)	HEXACHLOROBUTADIENE	21.13	225	51726	4.25	PPBV		99

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

ACCUTEST Laboratories JA45152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 07 08:51:41 2010 Quant Results File: MW1082.RES

Quant Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration
DataAcq Meth : TO15W

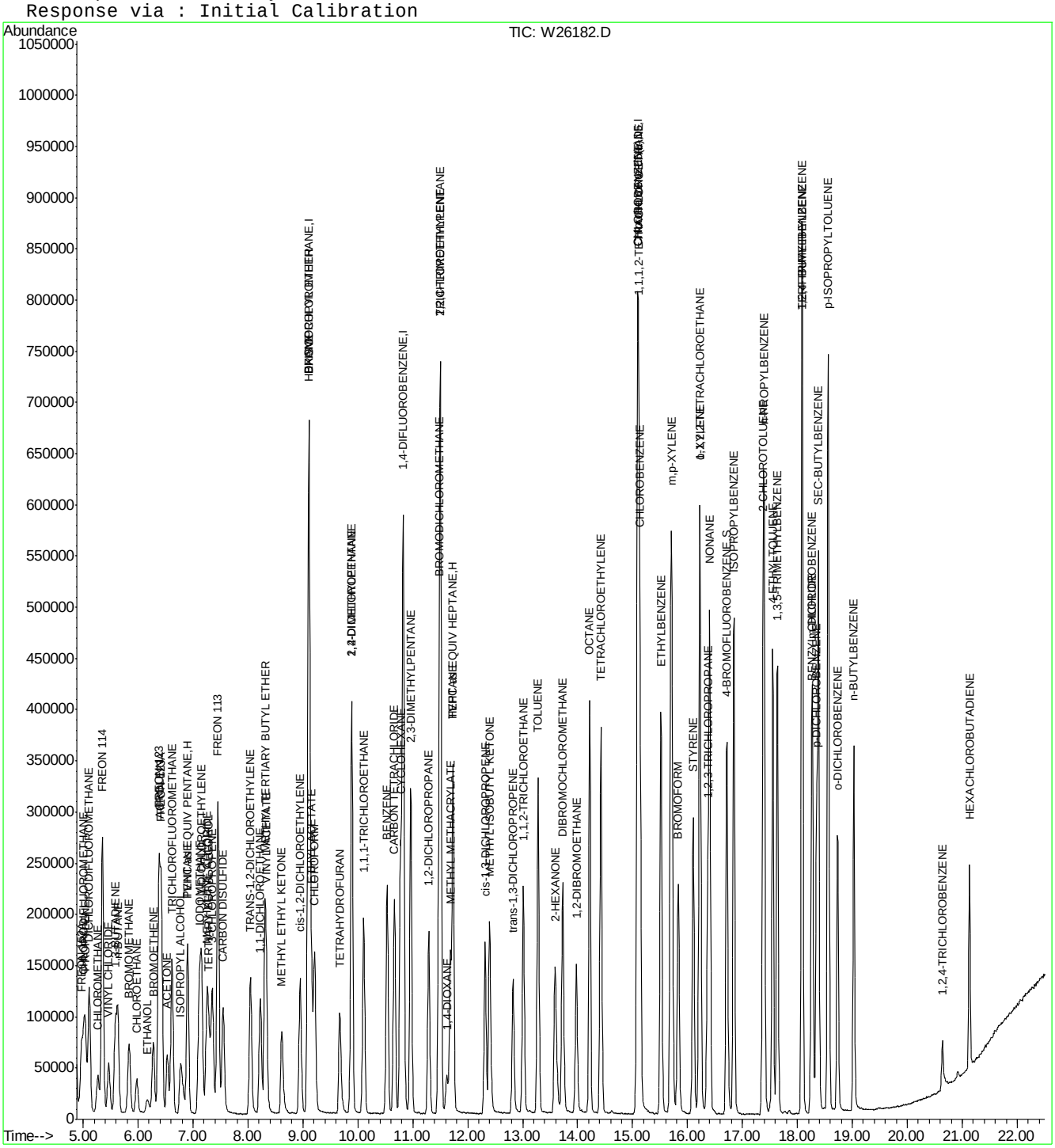
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) 1,2,4-TRICHLOROBENZENE	20.64	180	37177	4.88	PPBV	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:00 2010 Quant Results File: MW1082.RES

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Initial Calibration

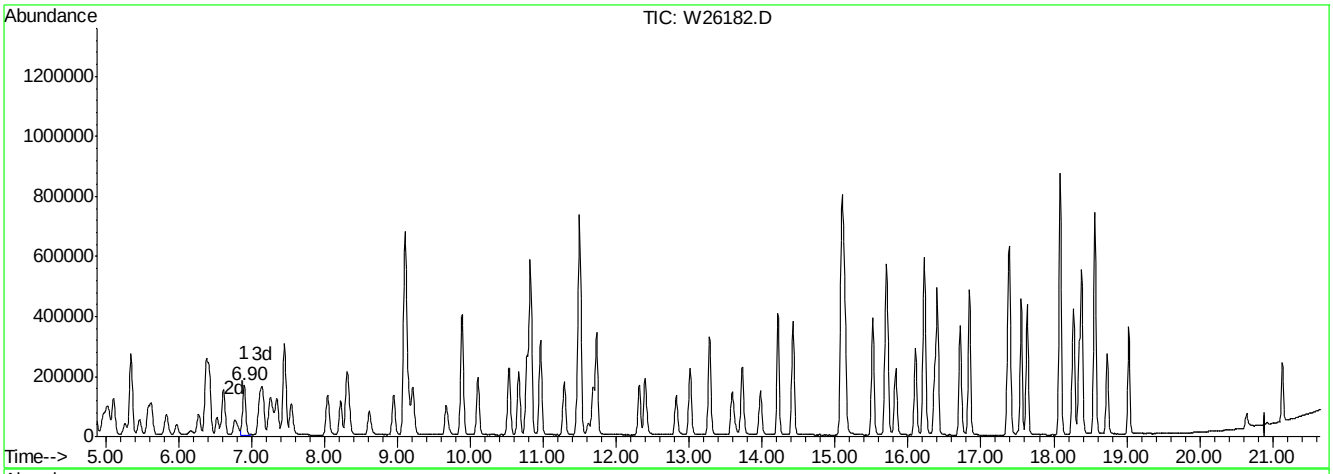


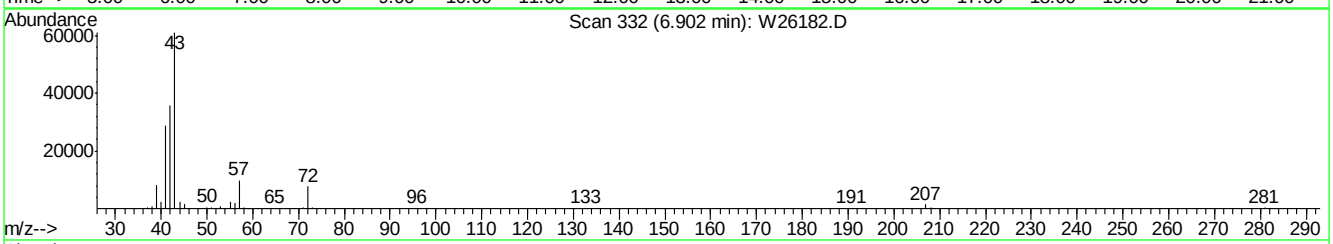
ACCUTEST JA45152 Laboratories

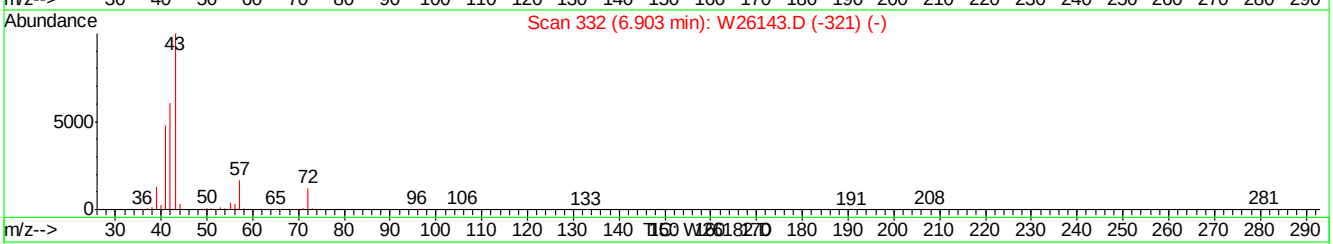
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration







(21) TVHC as EQUIV PENTANE (H)

6.90min 4.46PPBV m

response 492971

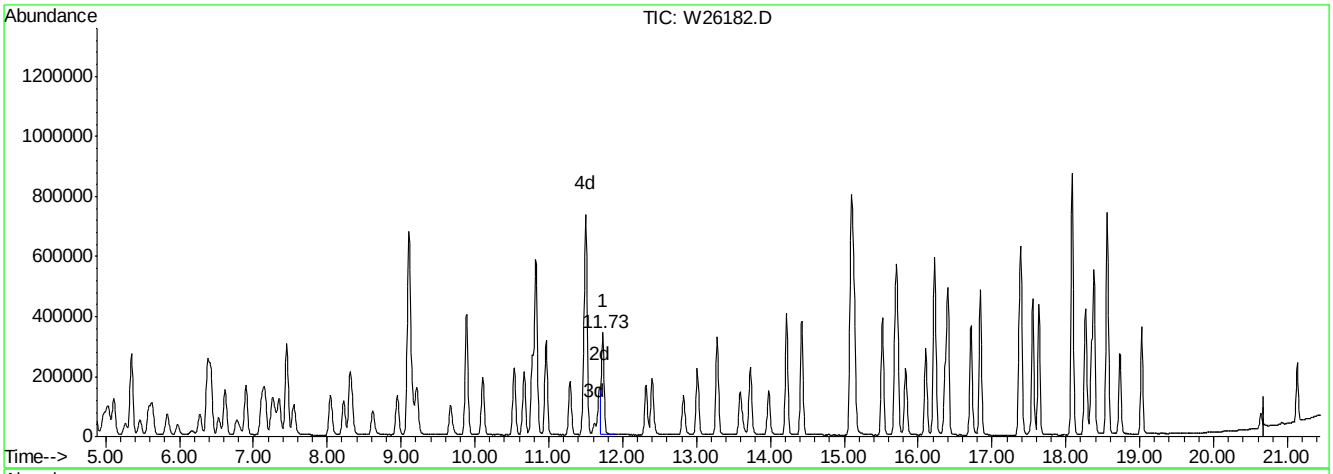
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26182.D MW1082.M Fri May 07 09:36:14 2010 MSW

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\W26182.D Vial: 2
Acq On : 6 May 2010 10:02 am Operator: YOUMINH
Sample : CC1082-5 Inst : MSW
Misc : MS49009,VW1084,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 7 9:00 2010 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MW1082.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60m X 0.32mm ID X 1.0 um
Last Update : Wed May 05 14:37:47 2010
Response via : Multiple Level Calibration



(57) TVHC as EQUIV HEPTANE (H)

11.73min 4.23PPBV m

response 842416

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

W26182.D MW1082.M Fri May 07 09:36:18 2010 MSW

ACCUTEST

TO-14/TO-15

Batch ID: V2W1118

Date: 4/5/10

Analyst Signature: [signature]

Columns: RTX. 60m x 0.32mm x 1.0um
Method: TO15 2W.M
Seq. File: 2W1405105
Initial Cal. Method: A2W1118

AS Data

Method: TO15. MDT

Standard Data

Lot #	Description	Conc.
AS4332	IS/ surr	40/20 ppbv
AS4325	Nap STD	40 ppbv
AS4326	Nap STD	2 ppbv

Standard Data

Lot #	Description	Conc.
AS4340	TO15 STD	40 ppbv
AS4341	TO15 STD	2 ppbv
AS4342	TO15 STD	0.4 ppbv
AS4327	TO15 LCS	40 ppbv

6.8.1 6

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 4/14/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	2W26576	BFB			100					OK	9:44 am
2	2W26577	ICV1118-5		A763	50			/	/	OK	
1	2W26578	ICV1118-0.5		A870	100			/	/	OK	
2	2W26579	ICV1118-10		A763	10			/	/	OK	
2	2W26580	ICV1118-2		A763	20			/	/	OK	
2	2W26581	ICV1118-20		A763	200			/	/	OK	
4	2W26582	ICV1118-0.2		A473	200			/	/	OK	
4	2W26583	ICV1118-0.1		A473	100			/	/	OK	
4	2W26584	ICV1118-0.04		A473	40			/	/	OK	
2	2W26585	ICV1118-40		A763	400			/	/	OK	
3	2W26586	ICV1118-10		A250	100			/	/	OK	
7	2W26587	Nap-0.2		A864	40			/	/	OK	
7	2W26588	Nap-0.5		A864	100			/	/	OK	
6	2W26589	Nap-2.5		A169	50			/	/	OK	
6	2W26590	Nap-10		A169	100			/	/	OK	
6	2W26591	Nap-20		A169	200			/	/	OK	
6	2W26592	Nap-40		A169	400			/	/	OK	1:42 am

[signature] 4/5/10

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

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Form: AT008-04
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Batch ID: V2W1124

Date: 4/13/10

Analyst Signature: [signature]

Columns: RTx - 60m x 0.32mm x 1.0um

Method: TO15 ZW-M

Seq. File: ZW041310.S

Initial Cal. Method: M2W1118

AS Data

Method: TO15MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4353	TO15 LCS	40ppbv
AS4340	TO15 STD	40ppbv
AS4332	IS/surr	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: YH Date: 4/14/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	ZW26726	BFB			100					OK	6:35am
2	ZW26727	CC1118-10		A763	100			✓	✓	OK	
3	ZW26728	BS		A455	100			✓	✓	OK	
3	ZW26729	BSD		A455	100			✓	✓	OK	
5	ZW26730	MB/SCC		A283	400			✓	✓	OK	
8	ZW26731	JA43233-16		A801, A574	200	40		✓	✓	OK	
4	ZW26732	JA43895-5		A877	400	1		✓	✓	OK	
10	ZW26733	JA43341-6	95159 STD	A351	20	1		✓	✓	OK	
12	ZW26734	JA43341-8	↓	A259, A590	400	40		✓	✓	Not use	
13	ZW26735	JA43341-9	↓	A347, A604	400	50		✓	✓	OK	
1	ZW26736	JA43876-1	95438 STD	A815	400	1		✓	✓	OK	
1	ZW26737	JA43876-1dil2	↓	A813	400	↓		✓	✓	OK	
3	ZW26738	JA43876-2		A633	400			✓	✓	OK	
4	ZW26739	JA43876-3		A888	400			✓	✓	OK	
6	ZW26740	JA43876-4		A774	400			✓	✓	OK	
7	ZW26741	JA44022-1		A372	400			✓	✓	OK/12L	100 mL
8	ZW26742	JA44022-2		A448	400			✓	✓	OK/12L	100 mL
9	ZW26743	JA44022-3		A736	400			✓	✓	~~OK~~ YKC. Not use	
11	ZW26744	JA44023-1	↓	A641	400	↓		✓	✓	OK	
16	ZW26745	JA43338-3		A441	592	1.68		✓	✓	OK	
14	ZW26746	JA43338-4		A294	400	1		✓	✓	OK/12L	200mL
15	ZW26747	JA43819-7	95427	A926	400	1		✓	✓	OK	
10	ZW26748	JA43819-8	↓	A916	400	1		✓	✓	OK/12L	200 mL
12	ZW26749	~~JA43819-9~~	YKC	~~A931~~ YKC	400 YKC	1		✓	✓	OK	JA43341-8, 4.25g, 20m
12	ZW26750	JA43819-10		A927 31 YKC	40	1				Not run	
13	ZW26751	JA43819-11	↓	A927	400	1		✓	✓	OK/12L	

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

93	ZW26752	JA43819-11	↓	A927	40	1		✓	✓	OK
5	ZW26753	SCC		A340	400	1		✓	✓	OK 5:52am

Form: AT008-04
Rev. Date: 6/13/06

TO-14/TO-15

ACCUTEST

Date: 4/6/10

Analyst Signature: [signature]

Columns: RTX-160MX.32mm
Method: TO15W.M
Seq. File: 3WD040610.S
Initial Cal. Method: MBW644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS4347	Naphthalene	40ppbv
AS 4348	Naphthalene	2.0ppbv

Standard Data

Lot #	Description	Conc.
AS 4344	TO15 STD	40ppbv
AS 4345	TO15 STD	20ppbv
AS 4346	TO15 STD	0.4ppbv
AS4343	TO15 LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 4/7/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16114	BFB		A885	100					OK	
2	3W16115	CC634-10		A204	100					not used	
2	3W16116	CC634-10		A204	100					not used	
5	3W16117	BFB		A885	100					OK	
2	3W16118	ICC644-10		A204	100			✓	✓	OK	
1	3W16119	IC644-0.5		A744	100			✓	✓	not used	
2	3W16120	IC644-5.0		A204	50			✓	✓	not used	
1	3W16121	IC644-0.2		A744	40			✓	✓	OK	
2	3W16122	IC644-20		A204	200			✓	✓	OK	
2	3W16123	IC644-5.0		A204	50			✓	✓	OK	
1	3W16124	IC644-0.5		A744	100			✓	✓	OK	
4	3W16125	IC644-0.1		A901	100			✓	✓	OK	
4	3W16126	IC644-0.04		A901	40			✓	✓	OK	
6	3W16127	Nap-5.0		A636	50			✓	✓	OK	
6	3W16128	Nap-10		A636	100			✓	✓	OK	
2	3W16129	IC644-40		A204	400			✓	✓	OK	
7	3W16130	Nap-0.5		A899	100			✓	✓	OK	
7	3W16131	Nap-0.2		A849	40			✓	✓	OK	
6	3W16132	Nap-20		A636	200			✓	✓	OK	
6	3W16133	Nap-40		A636	400			✓	✓	OK	
					YH						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

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6.8.3 6

TO-14/TO-15

Batch ID: V3W645

ACCUTEST

Analyst Signature:

Date: 4/7/10

Columns: RTX-1 60M X .32mm

Method: TO15 3W.M

Seq. File: 3W040710.S

Initial Cal. Method: MBW644

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15STD	40ppbv
AS4343	TO15LCS	40ppbv
AS4331	IS/surr	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16136	BFB		A685	100					OK	
2	3W16137	CC644-10		A204	100			✓	✓	OK	
3	3W16138	BS		A837	100			✓	✓	OK	
3	3W16139	BSD		A837	100			✓	✓	OK	
5	3W16140	MB/SCC		A954	400			✓	✓	OK	
6	3W16141	JA43090-2BR	STD	A017	400	1		✓	✓	OK	
7	3W16142	JA43460-7	STD	A517	100	1		✓	✓	OK	
8	3W16143	JA43460-8	↓	A621	100	1		✓	✓	OK	
9	3W16144	JA43460-9		A700	100	1		✓	✓	OK/DL	RR25ml
10	3W16145	JA43460-10		A534	100	1		✓	✓	OK	
11	3W16146	JA43329-1	STD	A340	100	1		✓	✓	OK/DL	RR20ml
12	3W16147	JA43329-2		A607	400	1		✓	✓	OK	
13	3W16148	JA43329-3		A279	400	1		✓	✓	OK	
14	3W16149	JA43329-4		A191	400	1		✓	✓	OK	
15	3W16150	JA43329-5		A350	100	1		✓	✓	OK	
15	3W16151	JA43329-5Dup		A350	100	1		✓	✓	OK	
16	3W16152	JA43329-6		A664	400	1		✓	✓	OK	
1	3W16153	JA43329-7		A255	400	1		✓	✓	OK	
3	3W16154	JA43329-8		A873	400	1		✓	✓	OK/DL	RR20ml
4	3W16155	JA43329-9	↓	A209	400	1		✓	✓	OK	
6	3W16156	JA43119-10	BTEX,TMS	A329	400	1		✓	✓	OK	
7	3W16157	JA43340-1	STD	A479	400	1		✓	✓	OK	
8	3W16158	JA43340-2		A285	400	1		✓	✓	OK/DL	RR20ml
9	3W16159	JA43340-3		A358	100	1		✓	✓	OK	
10	3W16160	JA43340-4	↓	A271,A802	100	26.6		✓	✓	OK	
11	3W16161	JA43364-1	STD+	A819,A785	100	260		✓	✓	OK/DL	RR2000X
5	3W16162	SCC		A462	400	1				RR	Possible carryover
	3W16163										
	3W16164						YH				
	3W16165										

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05

Rev. Date: 10/20/09

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
4/7/10	YH	JA43340-4	A271	-5.5	1.2	1.33	A802	1000	100	14.7	2000	20	26.6
4/7/10	YH	JA43364-1	A819	-5.0	1.2	1.30	A785	1000	10	14.7	2000	200	260

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correction Error

Form: AT003-03
Rev. Date: 6/13/06

94

TO-14/TO-15

Batch ID: V3W649

ACCUTEST

Analyst Signature:

Date: 4/14/10

Columns: RTX-160MX, 32mm
Method: TO15W.M
Seq. File: 3W041410S
Initial Cal. Method: M3W644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15 STD	40ppbv
AS4343	TO15 LCS	40ppbv
AS4331	IS/Surr	40/200ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	3W16255	BFB		A885	100					OK	
2	3W16256	CC644-10		A204	100			✓	✓	notused	
2	3W16257	CC644-10		A204	100			✓	✓	OK	
3	3W16258	BS		A837	100			✓	✓	OK	
3	3W16259	BSD		A837	100			✓	✓	OK	
5	3W16260	MB/SCC		A262	400			✓	✓	OK	
6	3W16261	JA43643-4	STD	A719	50	1.30		✓	✓	OK	don't report
7	3W16262	JA43785-2	STD	A213	100	1		✓	✓	OK	
8	3W16263	JA43785-3	↓	A465	100	1		✓	✓	OK	
9	3W16264	JA43443-1	STD	Airbag	20	1		✓	✓	OK	
10	3W16265	JA43443-2	↓	Airbag	20	1		✓	✓	OK	
11	3W16266	JA43443-3	↓	Airbag ~~AMM~~	20	20		✓	✓	OK	
12	3W16267	JA43643-4	STD	A719	20	1.30		✓	✓	OK	don't report
13	3W16268	JA44094-1	STD	A729	100	1		✓	✓	OK/DL	RR40ml
14	3W16269	JA44094-2	↓	A715	100	1		✓	✓	OK	
14	3W16270	JA44094-20dup	↓	A715	100	1		✓	✓	OK	
15	3W16271	JA44094-3	↓	A853	400	1		✓	✓	OK	
16	3W16272	JA44111-1	STD	A612, A527	100	23		✓	✓	OK	
1	3W16273	JA44111-2	↓	A528	40	1		✓	✓	OK/DL	RR20ml
3	3W16274	JA44111-3	↓	A571	100	1		✓	✓	OK/DL	RR40ml
4	3W16275	JA44111-4	↓	A513, A606	100	61.5		✓	✓	OK	
6	3W16276	JA44111-5	↓	A682	100	1		✓	✓	OK	
7	3W16277	JA44111-6	↓	A577	100	1		✓	✓	OK	
8	3W16278	JA44111-7	↓	A720	200	1		✓	✓	OK	
9	3W16279	JA44111-8	↓	A827	50	1		✓	✓	OK/DL	RR100X
10	3W16280	JA44111-9	↓	A729, A747	100	28.6		✓	✓	OK/DL	RR400X
11	3W16281	JA44111-10	↓	A727	400	1		✓	✓	OK	
5	3W16282	SCC		A618	400	1		✓	✓	RR	out of BFB time
								YH			

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45152

Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						Final Canister Dilution
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Factor
4/14/10	YH	JA43443-3	Airbag	0	0	1	A684	1000	100	14.7	2000	20	20
4/14/10	YH	JA43411-1	A612	-2.0	1.0	1.15	A527	1000	100	14.7	2000	20	23
4/14/10	YH	JA43411-4	A513	-3.5	1.2	1.23	A106	1000	YH ~~100~~ 40	14.7	2000	YH ~~20~~ 50	61.5
4/14/10	YH	JA43411-9	A229	-7.0	1.3	1.43	A797	1000	100	14.7	2000	20	28.6

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 p or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalclulation, # 4 = Analyst's Correc Error

Form: AT003-03
Rev. Date: 6/13/06

10

TO-14/TO-15

Batch ID: V3W652

ACCUTEST

Analyst Signature: RT-/

Date: 04/19/2010

Columns: RTx-1, 60mx0.32mmx1.0um
Method: TO15.3W.M
Seq. File: 3W041910.S
Initial Cal. Method: M3W644

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4344	TO15 STD	40ppbV
AS4343	TO15 LCS	40 ppbV
AS4347	Naphthalene	40ppbV
AS4331	IS/surr	40/20ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____ Date: _____

	AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
	5	3W16330	BFB		A885	100					OK	6:00 am
	2	3W16331	CC644-10		A204	100			✓	✓	OK	
	6	3W16332	Nap-10		A636	100			✓	✓	OK	
	3	3W16333	BS		A837	100			✓	✓	OK	
	3	3W16334	BSD		A837	100			✓	✓	OK	
	5	3W16335	MB		A372	400			✓	✓	OK	
	1	3W16336	JA44465-31	95804 STD	A628	200			✓	✓	not used	
R	1	3W16337	JA44465-31	Dup	A628	200			✓	✓	not used	
R	3	3W16338	JA44465-34	↓	A323	200			✓	✓	OK	
R	4	3W16339	JA44465-27	↓	A246	200			✓	✓	OK	
R	6	3W16340	JA44395-3	95722 STD	A631, A688	400	100		✓	✓	OK	
R	7	3W16341	JA44036-3	95746 STD	A156	592	1.48		✓	✓	OK	ON HOLD
	8	3W16342	JA44409-1	95722 STD	A043	40			✓	✓	OK	
	9	3W16343	JA44409-2	↓	A710	20			✓	✓	OK /K	100mL
	10	3W16344	JA44409-3	↓	A770	20			✓	✓	OK /K	100mL
	11	3W16345	JA44410-1	↓	A348, A700	200	100		✓	✓	OK	
	12	3W16346	JA44410-2	↓	A225, A701	200	40		✓	✓	OK /K	400mL 40x
	13	3W16347	JA44410-3	↓	A196, A677	200	40		✓	✓	OK /K	200mL 10x
	14	3W16348	JA44505-1	95803 STD	A487	400			✓	✓	OK	
	15	3W16349	JA44505-2	↓	A002	400			✓	✓	OK	RR 200ml
	16	3W16350	JA44505-3	↓	A308	400			✓	✓	OK	
	16	3W16351	JA44505-3	Dup	A308	400			✓	✓	OK	
	3	3W16352	JA44426-1	95736 STD	A278	400			✓	✓	OK	
	1	3W16353	JA44465-31	95804 STD	A628	400			✓	✓	OK/DL	100mL ~~200mL~~ 4x c
	4	3W16354	JA44426-2	95736 STD	A256	400			✓	✓	OK/DL	100mL
	6	3W16355	JA44426-3		A653	400			↑	✓	OK/K	CT
	7	3W16356	JA44426-4	↓	A336	400			-	-	OK	
	5	3W16357	SCC		A319	400			✓	✓	OK	4:06 am

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

111

TO-14/TO-15

Batch ID: VW1071

ACCUTEST

Analyst Signature:

Date: 4/12/10

Columns: RTX-160MX.32mm

Method: TO15W.M

Seq. File: W041210.S

Initial Cal. Method: MW1055

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.
AS 4330	IS/surr	40/20ppbv
AS 4359	Naphthalene	40ppbv
AS 4360	Naphthalene	2.0ppbv

Standard Data

Lot #	Description	Conc.
AS 4356	TO15STD	40ppbv
AS 4357	TO15STD	2.0ppbv
AS 4358	TO15STD	0.4ppbv
AS 4355	TO15LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W25847	BFB		A885	100					OK	
2	W25848	CC1055-10		A663	100					not used	
2	W25849	CC1055-10		A663	100					OK	
3	W25850	BS		A227	100					OK	
3	W25851	BSD		A227	100					not used	
5	W25852	BFB		A885	100					OK	
2	W25853	ICC1071-10		A663	100			✓	✓	OK	
1	W25854	IC1071-0.5		A747	100			✓	✓	not used	
2	W25855	IC1071-5.0		A663	50			✓	✓	not used	
1	W25856	IC1071-0.2		A747	40			✓	✓	not used	
2	W25857	IC1071-20		A663	200			✓	✓	OK	
2	W25858	IC1071-5.0		A663	50			✓	✓	OK	
4	W25859	IC1071-0.1		A183	100			✓	✓	OK	
4	W25860	IC1071-0.04		A183	40			✓	✓	OK	
6	W25861	Nap-5.0		A228	50			✓	✓	OK	
6	W25862	Nap-10		A228	100			✓	✓	OK	
2	W25863	IC1071-40		A663	400			✓	✓	OK	
7	W25864	Nap-0.5		A639	100			✓	✓	OK	
7	W25865	Nap-0.2		A639	40			✓	✓	OK	
6	W25866	Nap-20		A228	200			✓	✓	OK	
6	W25867	Nap-40		A228	400			✓	✓	OK	
2	W25868	IC1071-0.5		A747	100			✓	✓	OK	
2	W25869	IC1071-0.2		A747	40~~100~~			✓	✓	OK	
—	W25870										
					~~111~~						

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

Batch ID: VW1072

ACCUTEST

Analyst Signature:

Date: 4/13/10

Columns: RTX-160MX, 32mm
Method: TO15W.M
Seq. File: WD41310.S
Initial Cal. Method: MWI071.M

AS Data

Method: TO15,MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS 4356	TO15STD	40ppbv
AS 4355	TO15 LCS	40ppbv
AS 4330	ISTD surr	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/15/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W25870	BFB		A885	100					ok	
2	W25871	CC1071-10		A663	100			✓	✓	natural	
2	W25872	CC1071-10		A663	100			✓	✓	ok	
3	W25873	BS		A277	100			✓	✓	ok	
3	W25874	BSD		A277	100			✓	✓	ok	
5	W25875	MBISCC		A515	400			✓	✓	ok	
6	W25876	JA43066-10	STD	A804,A799	200	29		✓	✓	ok	
7	W25877	JA43066-11	↓	A582	20	1		✓	✓	ok	
8	W25878	JA43694-2	STD	A184	40	1		✓	✓	ok	
9	W25879	JA43695-1	STD	A284	25	1		✓	✓	ok	
10	W25880	JA43653-1	STD+	A390,A691	400	246		✓	✓	ok	
11	W25881	JA43177-1	SL	A859	100	1		✓	✓	ok	
12	W25882	JA43283-2	STD	A[illegible]A415,A52	200	4480		✓	✓	ok	
13	W25883	JA44036-9	STD	A504	100	1		✓	✓	ok	
13	W25884	JA44036-9DUP	↓	A504	100	1		✓	✓	ok	
14	W25885	JA44036-10		A399	100	1		✓	✓	ok	
15	W25886	JA44036-11	↓	A545	100	1		✓	✓	ok	
16	W25887	JA43443-1	STD	Airbag	100	1		✓	✓	ok/DL	RR 20ml
1	W25888	JA43443-2	↓	Airbag,A581	100	25		✓	✓	ok/DL	RR 20ml
3	W25889	JA43443-3	↓	Airbag	40	1		✓	✓	ok/DL	RR 50X
4	W25890	JA43891-1	STD	A863,A386	100	60		✓	✓	ok	
6	W25891	JA43891-2	↓	A882,A394	200	24		✓	✓	ok/DL	RR 40ml
5	W25892	SCC		A521	400	1		✓	✓	ok	
						YH					

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

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6.8.8

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ACCUTEST Laboratories JA45152

ACCUTEST Laboratories

Canister Secondary Dilution Log

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
4/13/10	YH	JA43066-10	A804	-7.5	1.3	1.45	A799	1000	100	14.7	2000	20	29
4/13/10	YH	JA43283-2	A415	+14.7	+14.7	224	A572	1000	100	14.7	2000	20	4480
4/13/10	YH	JA43443-2	Airbag	0	0	1	A581	1000	80	14.7	2000	25	25
4/13/10	YH	JA43891-1	A863	-3.0	1.2	1.2	A386	1000	40	14.7	2000	50	60
4/13/10	YH	JA43891-2	A882	-3.0	1.2	1.2	A394	1000	100	14.7	2000	20	24

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error; # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

TO-14/TO-15

ACCUTEST

Batch ID: VW1076

Date: 04/19/2010

Analyst Signature: RT-7

Columns: RTX-1, 60m X 0.32mm X 1.0um
Method: TO15W.M
Seq. File: W041910.S
Initial Cal. Method: MW1071

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4356	TO15 STD	40ppbV
AS4355	TO15 LCS	40ppbV
AS4330	IS/SURR	40/200ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: ✓ Date: 4/20/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W25961	BFB		A885	100					OK	6:32AM
2	W25962	CC1071-10		A663	100			✓	✓	OK	
3	W25963	BS		A277	100			✓	✓	OK	
3	W25964	BSD		A277	100			✓	✓	OK	
5	W25965	MB(SCC)		A259	400			✓	✓	OK	
1	W25966	JA44425-1	95716 STD	A331	400			✓	✓	OK	
1	W25967	JA44425-1	Dup	A331	400			✓	✓	OK	
3	W25968	JA44395-5		A298	20			✓	✓	not used	RR 5ml
4	W25969	JA44395-6		A635	400			✓	✓	Not used	
6	W25970	JA44432-1	95728 STD	A776	400			✓	✓	OK/PL	8 50mL 4/19
7	W25971	JA44432-2	↓	A093	400			✓	✓	OK/PL	30 40mL
8	W25972	JA44432-3		A671	400			✓	✓	OK/PL	100 mL
9	W25973	JA44432-4	↓	A632	400			✓	✓	OK	
10	W25974	JA44395-1	95722 STD	A270, A525	80	200		✓	✓	OK/PL	
10	W25975	JA44395-1	↓	A270, A525	40	200		✓	✓	OK	
11	W25976	JA44395-2		A054, A808	40	200		✓	✓	OK	
11	W25977	JA44395-2	↓	A054, A808	20	200		✓	✓	Not used	
12	W25978	JA44398-1	95728 STD	A634	400			✓	✓	OK	
13	W25979	JA44398-2	↓	A371	400			✓	✓	OK	
14	W25980	JA44313-1	95722	A461, A600	40	2020		✓	✓	R	1000 mL
15	W25981	JA44314-1	STD	A337	400			✓	✓	OK	
16	W25982	JA44314-2	↓	A101	400			✓	✓	OK	
1	W25983	JA44425-2	95716 STD	A363	400			✓	✓	OK	
3	W25984	JA44425-3		A345	400			✓	✓	OK	
4	W25985	JA44425-4	↓	A221	400			✓	✓	OK	
6	W25986	JA44427-1	↓	A207	~~400~~ 612	1.53		✓	✓	OK	
7	W25987	JA44465-1	95804 STD	A307	400	4/19		✓	✓	OK	5:21 AM
5	SW25988	SCC		A128	400			✓		not Run	
						RT-7	04/19/2010				

All strikeouts must be initial, dated and reason code applied as follows: # 1 = Reviewer Correction Error; # 2 = Transcription Error, # 3 = Computer Miscalculation, # 4 = Analyst's Correction Error

Form: AT008-05
Rev. Date: 10/20/09

TO-14/TO-15

Batch ID: VW1077

ACCUTEST

Analyst Signature: RTJ

Date: 04/20/2010

Columns: RTX-1, 60mX0.32mmX1.0um
Method: TO15W.M
Seq. File: W042010.S
Initial Cal. Method: MW1071

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4356	TO15 STD	40ppbv
AS4355	TO15 LCS	40 ppbv
AS4330	IS/Surr	40/50ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 4/21/11

	AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
	5	W25989	BFB		A885	100					OK	6.15.6m
	2	W25990	CC1071-10		A663	100			✓	✓	ok	
	3	W25991	BS		A277	100			✓	✓	ok	
	3	W25992	BSD		A277	100			✓	✓	ok	
	5	W25993	MB/SCC		A148	400			✓	✓	ok	
R	14	W25994	JA44313-1	25722	A461,A620	400	2000		✓	✓	ok/k	
	1	W25995	JA44560-1	25829	A249	400			✓	✓	ok	
	1	W25996	JA44560-1	Dup	A249	400			✓	✓	ok	
	3	W25997	JA44594-1	25849	A777	400			✓	✓	ok	
	4	W25998	JA44594-2		A679	100			✓	✓	ok	
R	6	W25999	JA44432-1	25728	A093,776	50			✓	✓	ok	
R	7	W26000	JA44432-2		A093	30			✓	✓	ok	
R	8	W26001	JA44432-3		A671	100			✓	✓	ok	
	9	W26002	JA44432-4	25849-4	A507	100					Not Run	N/A surr out
	10	W26003	JA44432-5	25849-5	A381	100						
	11	W26004	JA44560-8	25829	A751	400						
	12	W26005	JA44560-9		A233	400						
	13	W26006	JA44560-10		A285	400						
	14	W26007	JA44560-11		A274	400						
	15	W26008	JA44560-12		A324	400						
	16	W26009	JA44560-13		A756	400						
	1	W26010	JA44594-3		A354	400						
	3	W26011	JA44429-1		A447	400						
	4	W26012	JA44465-19		A815	400						
	6	W26013	JA44465-17		A829	400						
	7	W26014	JA44465-15		A759	400						
	5	W26015	SCC		A606	400						

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Form: AT008-05
Rev. Date: 10/20/09

ACCUTEST Laboratories JA45152

TO-14/TO-15

Batch ID: VW 1078

ACCUTEST

Analyst Signature: RT:J

Date: 04/21/2010

Columns: RTX-1, 60m x 0.32mm x 1.0um
Method: TO15W.M
Seq. File: W042110.S
Initial Cal. Method: MW1071

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4356	TO15 STD	40ppbV
AS4355	TO15 LCS	40ppbV
AS4330	IS/Surr	40/50ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: ✓ Date: 4/21/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W26016	BFB		A606	100			-		OK	6:15am
2	W26017	CC1071-10		A663	100			✓	✓	OK	
3	W26018	BS		A277	100			✓	✓	OK	
3	W26019	BSD		A277	100			✓	✓	OK	
5	W26020	MB (SCC)	95849 SCC	~~A606~~ 368	400			✓	✓	OK	
1	W26021	JA44594-3		A354	400			✓	✓	OK	
4	W26022	JA44594-2		A619	100			×	×	not Run	
9	W26023	JA44594-4		A507	100			✓	✓	OK	
10	W26024	JA44594-5	↓ 95829	A381	100			✓	✓	OK	
3	W26025	JA44560-14		A304	400			✓	✓	OK/DL	20mL
4	W26026	JA44560-15		A873	400			✓	✓	OK/DL	40mL
6	W26027	JA44560-16		A887	400			✓	✓	OK/DL	100mL
7	W26028	JA44560-17		A765	400			✓	✓	OK/DL	20mL
8	W26029	JA44560-~~18~~ 19		A881	400			✓	✓	OK/DL	2oml
8	W26030	JA44560-~~18~~ DUP		A881	400			✓	✓	OK	2oml
9	W26031	JA44560-20		A112	400			✓	✓	OK/DL	20ml
10	W26032	JA44560-21		A325	400			✓	✓	OK/DL	20 ml
11	W26033	JA44560-8		A751	400			✓	✓	OK	
12	W26034	JA44560-9		A233	400			✓	✓	OK	
13	W26035	JA44560-10		~~A~~ 325	400			✓	✓	OK	
14	W26036	JA44560-~~11~~ 12		~~A~~ 274	400			✓	✓	OK/DL	20ml
15	W26037	JA44560-~~12~~ 13		A 334	400			✓	✓	OK/DL	20ml
16	W26038	JA44560-~~13~~ 11		A 756	400			✓	✓	~~OK~~ OK VxC	
1	W26039	JA44560-18		A753	400			✓	✓	OK/DL	20ml
R 3	W26040	JA44560-14		A304	20			✓	✓	OK	
R 4	W26041	JA44560-15		A873	40			✓	✓	OK	
R 6	W26042	JA44560-16		A887	100			✓	✓	OK	5:04am
R 7	W26043	JA44560-17		A765	20					not Run	
5	W26044	SCC		A850	400						

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Rev. Date: 10/20/09

TO-14/TO-15

ACCUTEST

Batch ID: VW1082

Date: 5/4/10

Analyst Signature: [signature]

Columns: RTX-1 60M X .32mm

Method: TO15W.M

Seq. File: WD5041 05

Initial Cal. Method: MVW1082

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.
AS 4394	YH ~~Naphthalene~~ IS/surr	40/200ppbv
AS 4386	TO15 Naphthalene	40ppbv
AS 4387	TO15 Naphthaline	2.0ppbv

Standard Data

Lot #	Description	Conc.
AS 4383	TO15 STD	40ppbv
AS 4384	TO15 STD	2.0ppbv
AS 4385	TO15 STD	0.4ppbv
AS 4382	TO15 LCS	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 5/6/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W26142	BFB		A885	100					ok	
2	W26143	IC1082-10		A747	100			✓	✓	ok	
1	W26144	IC1082-0.5		A744	100			✓	✓	ok	
2	W26145	IC1082-5.0		A747	50			✓	✓	ok	
1	W26146	IC1082-0.2		A744	40			✓	✓	notused	
2	W26147	IC1082-20		A747	200			✓	✓	ok	
2	W26148	IC1082-5.0		A747	50			↑	✓	notused	bad purge
4	W26149	IC1082-0.1		A870	100			✓	✓	ok	
4	W26150	IC1082-0.04		A870	40			✓	✓	ok	
6	W26151	Nap-5.0		A228	50			✓	✓	ok	
6	W26152	Nap-10		A228	100			✓	✓	ok	
2	W26153	IC1082-40		A747	400			✓	✓	ok	
7	W26154	Nap-0.5		A639	100			✓	✓	ok	
7	W26155	Nap-0.2		A639	40			✓	✓	ok	
6	W26156	Nap-20		A228	200			✓	✓	ok	
6	W26157	Nap-40		A228	400			✓	✓	ok	
1	W26158	IC1082-0.2		A744	40			✓	✓	ok	
					YH						

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TO-14/TO-15

ACCUTEST

Batch ID: VW1083

Date: 5/5/10

Analyst Signature:

Columns: RTX-160MX, .32mm

Method: TO15 W.M

Seq. File: W050510.S

Initial Cal. Method: MW1082

AS Data

Method: TO15.MPT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS4383	TO15 STD	40ppbv
AS4382	TO15 LCS	40ppbv
AS4394	IS/SURR	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 5/6/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W26159	BFB		A885	100					OK	
2	W26160	CC1082-10		A747	100			✓	✓	OK	
3	W26161	BS		A277	100			✓	✓	OK	
3	W26162	BSD		A277	100			✓	✓	OK	
5	W26163	MB/SCC		A426	400			✓	✓	OK	
6	W26164	JA44640-7	STD	A785	100	1		✓	✓	OK/DL	RR21ml
7	W26165	JA44640-8	↓	A589	100	1		✓	✓	OK	
8	W26166	JA44640-9		A688	100	1		✓	✓	OK	
9	W26167	JA44640-10		A730	100	1		✓	✓	OK/DL	RR40ml
10	W26168	JA44640-11		A698	100	1		✓	✓	OK	
10	W26169	JA44640-11dup	↓	A698	100	1		✓	✓	OK	
11	W26170	JA45152-1	STD	A896	400	1		✓	✓	OK	
12	W26171	JA45152-2	↓	A259	400	1		✓	✓	OK	
13	W26172	JA45152-3		A764	400	1		✓	✓	OK	
14	W26173	JA45152-4		A188	400	1		✓	✓	OK	
15	W26174	JA45152-5		A340	400	1		✓	✓	OK	
16	W26175	JA45152-6		A372	400	1		✓	✓	OK	
1	W26176	JA45152-7		A262	400	1		✓	✓	OK	
3	W26177	JA45152-8		A218	400	1		✓	✓	OK	
4	W26178	JA45152-9		A368	400	1		✓	✓	OK/DL	RR100ml
5	W26179	JA45152-10	↓	A361	400	1		✓	✓	OK/DL	RR100ml
						YH					

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Summa canisters regulator pressurization

Sample	in. Hg	final (psig)	DF
JA45477-1	3.0	1.2	1.20
JA45477-2	2.5	1.1	1.13
JA45477-3	4.0	1.2	1.25
JA45477-4	6.0	1.2	1.35
JA45477-5	6.0	1.2	1.35
JA45477-6	6.0	1.2	1.35

TM 5/4/10

TO-14/TO-15

Batch ID: VW1084

ACCUTEST

Analyst Signature:

Date: 5/6/10

Columns: RTX-160MX.32mmID

Method: TO15 W.M

Seq. File: W050610.S

Initial Cal. Method: MW1082

AS Data

Method: TO15.MDT

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS 4383	TO15STD	40ppbv
AS 4382	TO15LCS	40ppbv
AS 4394	IS/surr	40/20ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: Date: 5/7/10

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
5	W26180	BFB		A885	100					OK	
2	W26181	CC1082-5		A747	50			✓	✓	not used	
2	W26182	CC1082-5		A747	50			✓	✓	OK	
3	W26183	BS		A277	100			✓	✓	OK	
3	W26184	BSD		A277	100			✓	✓	OK	
5	W26185	MB/SCC		A261	400			✓	✓	OK	
6	W26186	JA44690-7	STD	A785	25	1		✓	✓	OK	
7	W26187	JA44690-10	↓	A730	40	1		✓	✓	OK	
8	W26188	JA45152-9	STD	A368	100	1		✓	✓	OK	
9	W26189	JA45152-10	↓	A361	100	1		✓	✓	OK	
10	W26190	JA45093-1	STD	A141	120	1.20		✓	✓	OK	
11	W26191	JA45093-2	|	A326	120	1.20		✓	✓	OK	
11	W26192	JA45093-20up	|	A326	120	1.20		✓	✓	OK	
12	W26193	JA45093-3	|	A655	120	1.20		✓	✓	OK	
13	W26194	JA45093-4	|	A842	110 ~~120~~ YH	1.10		✓	✓	OK	
14	W26195	JA45093-5	|	A135	158	1.58		✓	✓	OK	
15	W26196	JA45093-6	↓	A051, A803	100	25		✓	✓	OK	
16	W26197	JA45235-1	STD	A703	100	1		✓	✓	OK	
1	W26198	JA45235-2	|	A704	100	1		✓	✓	OK	
3	W26199	JA45235-3	|	A558	100	1		✓	✓	OK	
4	W26200	JA45235-4	|	A719	100	1		✓	✓	OK	
6	W26201	JA45235-5	|	A549	100	1		✓	✓	OK/DL	RR 40ml
7	W26202	JA45235-6	|	A552	100	1		✓	✓	OK/DL	RR 40ml
8	W26203	JA45235-7	↓	A685	100	1		✓	✓	OK	
9	W26204	JA45055-4	STD	A859	400	1		✓	✓	OK	
10	W26205	JA45055-5	|	A802	100	1		✓	✓	OK	
11	W26206	JA45055-6	↓	A621	100	1		✓	✓	OK	
~~—~~	~~W26207~~										
	W26208				YH						
~~—~~	~~W26209~~										

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Rev. Date: 10/20/09

			Original Canister Dilution				Secondary Canister Dilution						
Date	Initials	Accutest Sample ID	Canister ID	Vacuum in "Hg at time of Dilution	Final Pressure psig	Dilution Factor	Canister ID	Canister Volume CC	Sample Volume Added CC	Final Pressure psig	Equiv Total Volume CC	Dilution Factor	Final Canister Dilution Factor
5/6/10	YH	JA45093-6	A051	-4.0	1.2	1.25	A803	1000	100	14.7	2000	20	25

Definition:

Final DF = (Original Canister DF) x (Secondary Canister DF)

Dilution Factor at Instrument = (Final Canister Dilution Factor) x (Normal Sampling Volume in cc) / (Sample Volume in cc Injected)

Example:

Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig or 750cc equiv volume. This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20(from canister dilution) x 20(from instrument dilution) = 400

Notes:

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Form: AT003-03
Rev. Date: 6/13/06