



FINAL
REMOVAL ACTION COMPLETION REPORT
SITE 7 REMOVAL ACTION
NAVAL CONSTRUCTION BATTALION CENTER,
DAVISVILLE, RHODE ISLAND

CONTRACT No. N62470-08-D-1007

Prepared for:

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REMOVAL ACTION COMPLETION REPORT

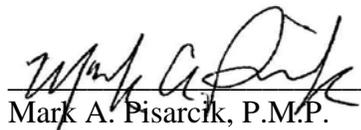
SITE 7 REMOVAL ACTION NAVAL CONSTRUCTION BATTALION CENTER DAVISVILLE, RHODE ISLAND

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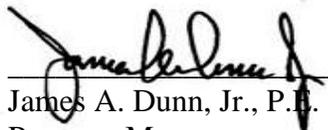
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**Note: In an effort aimed at reducing both paper consumption and the physical size of this report, Appendices C, D, and E are only included in the electronic file on the CD attached to this Completion Report.*

LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|--------|---|
| bgs | Below Ground Surface |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CRZ | Contamination Reduction Zone |
| CTO | Contract Task Order |
| DANC | Decontamination Agent Non-Corrosive |
| DEC | Direct Exposure Criteria |
| DOT | Department of Transportation |
| EPA | Environmental Protection Agency |
| EQ | Environmental Quality |
| EZ | Exclusion Zone |
| FEAD | Facility Engineering and Acquisition Division |
| FFA | Federal Facilities Agreement |
| LTM | Long Term Monitoring |
| LUC | Land Use Control |
| NAVFAC | Naval Facilities Engineering Command |
| Navy | Department of the Navy |
| NCBC | Naval Construction Battalion Center |
| PCA | 1,1,2,2-tetrachloroethane |
| PPE | Personal Protective Equipment |
| PSL | Project Screening Level |
| RAB | Restoration Advisory Board |
| RAWP | Removal Action Work Plan |
| RCRA | Resource Conservation and Recovery Act |
| RIDEM | Rhode Island Department of Environmental Management |
| RH-195 | 1,3-dichloro-5,5-dimethyl-hydantoin |
| ROD | Record of Decision |
| RPM | Remedial Project Manager |
| RSL | Regional Screening Level |
| Shaw | Shaw Environmental and Infrastructure, Inc. |
| SSHO | Site Safety and Health Officer |
| TCE | trichloroethene |
| TCRA | Time Critical Removal Action |
| µg/kg | micrograms per kilogram |
| VOC | Volatile Organic Compound |
| WWII | World War II |

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1.0 OVERVIEW

Shaw Environmental and Infrastructure, Inc. (Shaw), was contracted by the United States Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under Contract, N62470-08-D-1007, Contract Task Order (CTO) WE33 to provide Time-Critical Removal Action (TCRA) services at Site 7 of the Naval Construction Battalion Center (NCBC) Davisville, North Kingston, Rhode Island. Shaw has developed this Removal Action Completion Report in accordance with the Scope of Work for CTO WE33 (dated May 2011) and documenting all activities conducted as part of this TCRA. This report was submitted in draft form for review and comment to the Rhode Island Department of Environmental Management (RIDEM) and the United States Environmental Protection Agency, Region 1. Comments received, and Shaw's responses to those comments, are included in **Appendix J**.

1.1 PROJECT LOCATION AND BACKGROUND

Site 7, NCBC, is located on a peninsula known as Calf Pasture Point, adjacent to Narragansett Bay in North Kingston, Rhode Island as seen in **Figure 1**. Previous investigation activities noted that containers of decontamination agent non-corrosive (DANC) were buried at Site 7 between 1968 and 1972. These containers were located by geophysical investigation methods in April, 2011.

The Record of Decision (ROD) which fundamentally called for land use controls (LUCs), environmental monitoring, and five year reviews was executed in September 1999. Subsequently, the entire peninsula was transferred to the Town of North Kingston in 2001 for use as a public park.

The DANC was packaged in a two component container of 1,1,2,2-tetrachloroethane (PCA) and 1,3-dichloro-5,5-dimethyl-hydantoin (RH-195). DANC was developed during World War II (WWII) as a decontamination agent for blister gas. The PCA was a carrier solvent and the RH-195 was a mild oxidizer as the active ingredient in DANC. Each pail of DANC was estimated to have contained thirty-six pounds of PCA and 2.4 pounds of RH-195 at the time of burial.

The results of the geophysical survey conducted in April 2011 identified a magnetic anomaly in the general area where it was believed the containers were buried. The location was examined with test pits in May 2011 to confirm the anomaly and to refine the boundary. The survey indicated that the containers were located within three feet of the land surface.

There is a large chlorinated solvent plume associated with Site 7, and the Conceptual Site Model suggested numerous containers had leaked the PCA solvent component to the surrounding area. Corroded metal containers and white powder believed to be the RH-195 component were observed in test pits conducted in May 2011. The RH-195 component was believed to be in a

plastic container within the steel container of PCA. The disposal area was enclosed with temporary fencing. The depth to groundwater was approximately six feet. Previous investigations had determined saturated soils contain PCA and trichloroethene (TCE) in the 100's of milligrams per kilogram range down gradient of the disposal site. TCE is an abiotic degradation product of PCA.

1.2 PREVIOUS INVESTIGATIONS

Previous investigations of Site 7 are summarized below:

- 1984 – *Base-wide Initial Site Assessment Study*
- 1987 - *Base-wide Confirmation Study*
- 1998 - *Remedial Investigation / Feasibility Study / Proposed Plan*
- 1999 - *Record of Decision*
- 2000 - *Finding of Suitability to Transfer for Parcel 9* containing Calf Pasture Point signed and property transferred to the Town of North Kingston
- 2003 - *First Five Year Review*
- 2008 - *Second Five Year Review*
- 2011 - *Source Area Investigation* identified the location of the containers of DANC

Additional details can be found in the *Second Five-Year Review Report for Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island*, Tetra Tech NUS, Inc., March 2008.

2.0 REMOVAL ACTION OBJECTIVES

The Site 7 TCRA was voluntarily undertaken by the Navy in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Federal Facilities Agreement (FFA) for NCBC Davisville to reduce potential risks of exposure to human health, welfare, and the environment via removal of the source waste materials (DANC containers, container debris, and visually impacted soil). Site 7 land use controls are currently in place to minimize the potential for human exposure by restricting the use of groundwater and restricting building construction without appropriate ventilation. However, there is currently no restriction on public intrusive activities. Therefore, this TCRA will reduce the potential human health risks at Site 7 by eliminating the potential for exposure via intrusive activities. Previous ecological risk assessments and on-going studies at Site 7 have indicated that there is no threat to the ecological receptors or environment. This removal action will also eliminate the source of the solvent plume and, subsequently, reduce the potential risk to the environment by minimizing the potential for expansion and migration of the solvent plume.

The primary tasks associated with completing the removal action objectives include the following:

- Pre-Mobilization activities;
- Mobilization and site preparation;
- Soil/debris excavation and removal;
- Transportation and disposal;
- Sampling and analyses;
- Backfilling and site restoration; and
- Demobilization.

Detailed descriptions of these activities are included within **Section 3.0**.

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3.0 REMOVAL ACTION IMPLEMENTATION

This section details the project activities that occurred to satisfy the removal action objectives and complete the TCRA at Site 7. **Appendix B** contains photographic documentation of the TCRA described herein. **Appendix A** presents the Project Schedule for all project activities.

3.1 PRE-CONSTRUCTION ACTIVITIES

Prior to mobilizing to initiate removal action activities, Shaw prepared and submitted the Draft Removal Action Work Plan (RAWP) and commenced procurement activities to acquire the necessary equipment, materials, and services. Following review by all pertinent parties and addressing comments, the Final RAWP (Shaw, 2011b) was submitted and approved by the NAVFAC Remedial Project Manager (RPM), Facility Engineering and Acquisition Division (FEAD), and Activity representatives on September 9, 2011. Following Final RAWP approval and prior to full mobilization, Shaw mobilized select personnel to conduct other pre-construction tasks as indicated below.

3.1.1 Pre-Construction and Mutual Understanding Meeting

A Pre-Construction Meeting was conducted at the site on September 26, 2011 to discuss the overall removal action approach, the health and safety plan, schedule, site security, haul routes, site logistics, reporting requirements, and establish lines of communication. Attendees included representatives from Shaw, NAVFAC, and the local police department. The Pre-Construction Meeting agenda and sign-in sheet are included in **Appendix C**.

3.1.2 Pre-construction Survey and Utility Clearance

On August 22, 2011, Shaw utilized the services of a Rhode Island licensed Surveyor (A-Plus Construction Services Corporation) to locate and stake the approximate horizontal extents of the proposed excavation area.

A subsurface utility scan was completed via notification to Dig Safe System, Inc. for issuance of a dig permit (Dig Safe Ticket #20113406757). In addition, a professional utility locating firm, Hager-Richter Geoscience, was utilized to mark any buried utilities within areas planned for intrusive activities. No buried subsurface utilities were located.

3.1.3 Waste Characterization and Clean Fill Verification Sampling

Following utility clearance activities, qualified Shaw personnel were utilized to collect waste disposal characterization samples from within the proposed excavation area and within the geophysical anomaly as delineated by Tetrattech with chain-link fencing following the source area investigation activities. Shaw personnel donned Level B personal protective equipment

(PPE) and utilized a power auger equipped with a 4-inch diameter auger bit to collect three (3) 5-point composite soil samples, including three (3) discrete grabs for volatile organic compound (VOC) analysis. Five point composite samples, including discrete grabs from one of the five composite points for each, were collected from 0-2 feet below ground surface (bgs), 2-4 feet bgs, and 4-6 feet bgs. Waste disposal sampling activities were completed on August 24, 2011 and the samples were shipped to Accutest Laboratories for analysis. The results indicated that the waste contained no hazardous characteristics. However, since the waste containers were originally improperly discarded in an unused form and PCA was the primary constituent, it was determined and approved by NAVFAC that the waste should be classified as a U-listed hazardous waste (U209). The approved Waste Characterization Report is provided in **Appendix E**. Hazardous waste disposal acceptance approval was received from the approved Resource Conservation and Recovery Act (RCRA) Subtitle C hazardous waste disposal facility (Environmental Quality [EQ] Wayne Disposal, Inc) in Belleville, Michigan prior to Shaw mobilization. Additional details and results of this sampling event are located in **Table 1** (Sample Log), **Table 2** (Waste Disposal Characterization Analytical Results), and **Appendix D** (Laboratory Analytical Reports).

On August 24, 2011, Shaw personnel collected one composite sample from the Pyne Sand & Stone Company borrow source. The sample was shipped to Accutest Laboratories for analysis. The sample results were compared to the RIDEM Residential Direct Exposure Criteria (DEC) to verify that the source material would be suitable for use as clean fill. Approval for use of this borrow source was received from the NAVFAC and FEAD representatives prior to mobilization. Additional details are provided in **Table 1** (Sample Log), **Table 3** (Clean Fill Verification Analytical Results), and **Appendix D** (Laboratory Analytical Reports).

3.2 MOBILIZATION AND SITE PREPARATION

Following RAWP approval, attending the Pre-construction Meeting, and receiving a Notice to Proceed from the FEAD, Shaw commenced mobilization activities on September 26, 2011. The necessary equipment, personnel, and temporary facilities were mobilized to the site as needed throughout the duration of the project to conduct TCRA field activities. Details of personnel and equipment utilized are located in the daily Contractor Production Reports in **Appendix C**. For additional details, the Site Lay-out is shown as **Figure 4**.

Prior to commencing excavation activities, Shaw completed the required site setup activities from September 26, 2011 through September 30, 2011 as follows:

- Vegetative clearing and grubbing;
- Receiving and setting temporary facilities;
- Installing erosion and sediment controls;
- Temporary access roadway installation;

- Site access and work zone controls; and
- Well abandonment.

3.2.1 Vegetative Clearing and Grubbing

To enable heavy equipment and vehicle access to the site excavation area, vegetative clearing activities were conducted to create a pathway from the existing unpaved roadway to the excavation area. Also, vegetation was cleared around the excavation area to provide an obstruction free work area to enable heavy equipment and personnel movement around the excavation area. The clearing of vegetation was limited to what was absolutely necessary for accessing the site and safely conducting removal action activities. An excavator and personnel equipped with chain-saws were utilized for clearing and sizing small trees and shrubs prior to feeding the material to a chipper for later reuse of the mulched vegetation during site restoration.

3.2.2 Temporary Facilities

Temporary facilities for this removal action were limited to an office trailer and two porta-jons. Per NAVFAC/FEAD direction, Shaw utilized the existing TetraTech trailer as the support trailer. The trailer was equipped with existing phone and electric service.

3.2.3 Erosion and Sediment Controls

Prior to commencing intrusive work, Shaw installed erosion and sediment controls to prevent the migration of sediment during removal action activities. Necessary erosion control measures were implemented, installed, and maintained per the approved RAWP and the *Rhode Island Stormwater Design and Installation Standards Manual, Section 3.2.9, Erosion & Sediment Control Handbook*.

Silt fencing was installed along each side of the temporary access road, around the perimeter of the excavation area, and as needed around any stockpiled clean fill. In addition, a 75 foot long construction entrance was installed at the end of the unpaved roadway where it meets Sanford Road. The construction entrance was installed via placement of permeable non-woven Geotextile fabric and an over-lying 6-inch lift of 2-inch diameter stone.

3.2.4 Temporary Access Roadway

To enable haul truck, heavy equipment, and vehicle access to the excavation area, Shaw installed an approximate 150 foot long by 15 foot wide temporary roadway from the unpaved roadway to the site excavation area. The roadway was graded and then constructed via placement of permeable Geotextile fabric and an over-lying 6-inch thick compacted lift of crushed stone. Shaw also utilized crushed stone to fill in ruts and potholes along the approximate ¼ mile long

unpaved roadway as needed throughout the project duration to minimize the potential for tracking mud and debris on to Sanford Road.

3.2.5 *Site Access and Work Zone Controls*

The installation of site access controls was necessary to prevent unauthorized personnel from entering the construction area during and after normal work hours. Shaw installed 6-foot high temporary chain-link fencing with privacy screening and appropriate signage around the perimeter of the temporary access road and excavation area. A double gate was installed at the entrance to the site and was fitted with a chain and lock to secure the gate during non-work hours.

Within the site, high-visibility fencing and appropriate signage was installed to delineate work zones including the exclusion zone (EZ) and contamination reduction zone (CRZ). The CRZ was equipped with a decontamination station, table, chairs, shaded canopy, and the appropriate Level B PPE required for entering the EZ. A site visitors log and an EZ entry log were maintained for the duration of field activities.

A police detail from the local North Kingstown Police Department was also utilized to aid with ensuring public safety during execution of the removal action. The police detail was utilized during Shaw work hours to redirect public recreational traffic off of the unpaved roadway that ran from Sanford Road to the site entrance and eventually to the Allen Harbor. The portion of the narrow unpaved roadway between Sanford Road and the site entrance was utilized as the haul route for incoming and outgoing dump trucks.

3.2.6 *Monitoring Well Abandonment*

Three existing monitoring wells (MW07-01S, MW07-02S and MW07-31I) located within Site 7 were abandoned on September 29, 2011 prior to commencing excavation activities. These wells were abandoned due to their close proximity to the proposed excavation area and the likelihood that they would be removed or damaged during the excavation process. The abandonment was performed according to Rhode Island Department of Environmental Management's Groundwater Quality Rules, Appendix I - *Construction Standards for Monitoring Wells and Abandonment Procedures for Monitoring Wells, Piezometers and Other Subsurface Borings* (State of Rhode Island and Providence Plantations Department of Environmental Management Office of Water Resources, 2010). All well abandonment activities were conducted by Drilex Environmental, Inc.; a Rhode Island licensed and qualified well drilling company. The abandoned wells are shown on the Site Lay-out as **Figure 4** and the abandonment records are included as **Appendix F**.

3.3 SOIL/DEBRIS EXCAVATION AND LOAD-OUT

Shaw conducted excavation and load-out activities from October 3, 2011 through October 6, 2011. A total of 289.64 tons (12 loads) of hazardous waste DANC containers, container debris, and visually impacted soils were removed from an approximate 40 ft by 50 ft area to a maximum approximate depth of 6 feet bgs.

The removal process entailed completing an inspection checklist for each arriving haul truck to ensure it met Department of Transportation (DOT) requirements for safely transporting hazardous waste materials and then obtaining its tare weight from the portable site scale. Next, each haul truck was backed down the 150 ft access roadway via spotters to the location for load-out. Once in position, the truck driver exited the truck and was escorted out of the EZ. Once only the excavator operator and ground personnel in Level B PPE were in the EZ, excavation and load-out of the waste soil and debris commenced. An appropriately sized tracked excavator was utilized to excavate the waste soil and directly load it into the dump truck. Ground personnel were utilized to guide the excavation, ensure no intact containers were loaded, and confirm when the truck was adequately loaded. Personnel and perimeter air monitoring were conducted by the Site Safety and Health Officer (SSHO) during excavation activities. Once the truck was loaded, ground personnel in Level B PPE dry-deconned the truck and covered the load with a tarp. Once the load was covered and excavation activities temporarily ceased, the truck driver was directed to return to his truck and move it out of the EZ and on to the site portable scale. If not over-loaded, the truck driver obtained his signed manifest and departed the site. If over-loaded, the driver was directed to return to the load-out area to have the appropriate volume of waste soil removed from the truck and then the truck was re-weighed. This procedure was repeated for each load throughout the excavation and load-out phase of work.

The excavation activities were considered complete on October 6, 2011 when there was no further visual evidence of containers, container debris, or white powder within the soil. The maximum depth of the excavation was approximately 6 feet below the surrounding ground surface and the majority of the excavation floor was submerged in groundwater. To further confirm that all visually evident waste had been removed, Shaw excavated a few test pits at the edges of the vertical and horizontal extents of the excavation and no further evidence of waste material was encountered.

3.4 TRANSPORTATION AND DISPOSAL OF WASTE

A total of 289.64 tons (12 loads) of U-listed (U209) hazardous waste soil and debris were excavated, loaded out into haul trucks, and shipped to the EQ Wayne Disposal, Inc. hazardous waste disposal facility in Belleville, Michigan. Spent PPE and surface finishings for the three abandoned monitoring wells were also included for disposal with the 12 loads of waste soil and debris. Waste disposal documentation is located in **Appendix E**.

3.5 CONFIRMATION SAMPLING

Following the removal of all visually evident waste materials, Shaw conducted confirmation sampling activities to provide added confirmation (in addition to visual confirmation) that all source waste materials had been effectively removed to reduce the risk to human health and the environment. Sidewall grab samples were collected at a frequency of one per each 10 lineal feet of excavation sidewall and floor grab samples were collected at a frequency of one per each 100 square feet of excavation floor. All samples were shipped to a qualified laboratory (Accutest-New England) for VOC analysis. All confirmation sample locations were surveyed by a Rhode Island licensed surveyor (A-Plus Construction). The analytical results were compared to the Project Screening Levels (PSLs) in the RAWP which included both the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil (US EPA, June 2011) and the RIDEM Residential DEC's (RIDEM Office of Waste Management, February 2004). The RIDEM Residential DEC's were the remedial goals used for this removal action. Confirmation sample results are located in **Tables 4 and 5** and the laboratory reports are provided in **Appendix D**.

On October 6, 2011, Shaw collected 13 grab samples of soil from the sidewalls of the excavation (WE33-Sidewall-001 through 013) plus one duplicate sidewall sample (WE33-Duplicate-017). These sidewall samples were collected at a minimum of 6-12 inches above the excavation floor or groundwater and at an approximate depth where waste material was last located in that area. The scientist collecting the samples applied best sampling practices and professional judgment to determine the appropriated depths and locations for all collected samples. Due to most of the excavation floor being covered with groundwater, only three (3) floor samples were collected representing the approximate 270 square feet of non-submerged excavation floor (WE33-Grab-014 through 016) plus one duplicate floor sample (WE33-Duplicate-018). Results for these samples are located in **Table 4** and the laboratory reports are provided in **Appendix D**.

Following receipt and evaluation of the analytical results (**Table 4**), it was decided that additional samples were necessary to fill apparent data gaps. On November 2, 2011, Shaw mobilized personnel to collect additional sidewall samples. Shaw utilized surveyor services to identify and stake the excavation boundaries which enabled Shaw personnel to easily locate the permeable liner that marked the edges of the previously backfilled and restored excavation. Shaw utilized a power auger equipped with a 4-inch diameter bit to collect sidewall samples from the appropriate depths and a few feet horizontally outside of the permeable marker liner to insure clean fill inside of the liner was not sampled. Three (3) sidewall samples (WE33-Sidewall-023, 024, and 025) were collected from areas where greater than 10 ft gaps existed between previously collected sidewall samples. In addition, sidewall sample WE33-Sidewall-021 (and duplicate WE33-Sidewall-022) was collected approximately five feet outward from

previously collected sidewall sample WE33-Sidewall-002 due to its results indicating a detection of chloroform at 755 micrograms per kilogram ($\mu\text{g}/\text{kg}$). Results for these samples are located in **Table 5** and the laboratory reports are provided in **Appendix D**.

All confirmation samples are shown in the Sample Log presented as **Table 1** and the surveyed sample locations are all indicated on **Figure 3**.

3.6 SITE RESTORATION AND DEMOBILIZATION

Following all excavation and confirmatory sampling activities, Shaw utilized a Rhode Island licensed surveyor (A-Plus Construction) to record the horizontal and vertical extents of the excavation. The excavation is shown in **Figure 2** and the excavation survey with coordinates is provided in **Appendix G**. In addition, Shaw placed a permeable marker liner in the excavation for added verification of the excavation extents in case additional investigation and/or removal efforts were determined to be warranted in the future.

Following placement of the permeable liner, Shaw proceeded with backfilling and compaction activities. Approximately 270 cubic yards of approved clean fill sand (**Section 3.1.3**) were imported from the Pyne Sand & Stone Co., Inc. borrow pit. An appropriately sized tracked excavator was utilized to place, compact, and grade the imported fill sand to meet the surrounding grade. The backfilled excavation, area of the former access roadway, and surrounding disturbed areas were seeded and covered with erosion control matting and/or the wood chippings that were generated during initial vegetation clearing activities. The silt fencing was left in place around the disturbed areas until the vegetation becomes established.

The stone and Geotextile fabric utilized for the temporary access road and the construction entrance were removed via the tracked excavator and front-end rubber-tired loader. The removed stone was dispersed on the unpaved roadway between Sanford Road and the Allen Harbor to fill in potholes, low areas, and improve its overall condition. The Geotextile fabric was loaded into a roll-off box for disposal as construction debris.

The three (3) monitoring wells (MW07-01S, MW07-02S and MW07-31I) that were abandoned as part of this removal action were not replaced. The RAWP stated that two replacement wells would be installed down gradient of the excavation. The need for replacement well(s) has been deferred by EPA, RIDEM, and the Navy pending review of the supplemental investigation report being prepared by Tetra Tech in 2012. Additional wells may be installed in the future if deemed necessary and agreed upon by the Navy, EPA, and RIDEM.

Following site restoration, Shaw demobilized all equipment, temporary facilities, and personnel on October 11, 2011 following concurrence from the FEAD that all removal action activities were satisfactorily completed and the site had been satisfactorily restored to pre-existing conditions or better

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4.0 DEMONSTRATION OF COMPLETION

The Site 7 TCRA was successfully completed between September 26, 2011 and October 11, 2011 as detailed in **Section 3.0**. All DANC containers, container debris, and visually impacted soil (289.64 tons) were removed and properly disposed at an approved RCRA subtitle C hazardous waste disposal facility (EQ Wayne Disposal, Inc.). Refer to the waste disposal documentation provided in **Appendix E**. As discussed in **Section 3.5**, confirmation samples were collected from the floor and walls of the excavation and analyzed for VOCs. The analytical results were compared to the PSLs included in the RAWP to provide added confirmation that all DANC containers and associated impacted soils had been effectively removed. The PSLs include a combination of EPA RSLs for residential soil (US EPA, June 2011) and the RIDEM Residential DEC (RIDEM Office of Waste Management, February 2004). RIDEM Residential DEC were the remedial goals for this removal action.

All confirmation sample results were below the PSLs with the exception of one wall sample (WE33-Sidewall-002) where chloroform was detected at 755 µg/kg. This detection exceeds the PSL, which is based on the EPA RSL of 290 µg/kg. However, it is below the RIDEM Residential DEC of 1,200 µg/kg. Data validation showed no evidence that this detection may have been due to laboratory contamination. Therefore, another wall sample (WE33-Sidewall-021 and duplicate sample WE33-Sidewall-022) was collected approximately five (5) ft outward from and at the same depth as sample WE33-Sidewall-002. The results indicated that there were no further significant concentrations of chloroform or any other VOCs. Therefore, it was concluded that the detection of chloroform was an isolated anomaly and not evidence of additional source waste materials in this area that should be considered for removal. The sample results, including comparisons to the PSLs, EPA RSLs, and RIDEM Residential DEC are presented in **Tables 4 and 5**. All confirmation sample analytical results were below the RIDEM Residential DEC.

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5.0 SCHEDULE AND COST

5.1 SCHEDULE

The field effort for this TCRA actually extended from September 26, 2011 through October 11, 2011, or approximately 12 work days, and included: Mobilization; site preparation; waste excavation and removal; transportation and disposal; confirmation sampling and analysis; site restoration; and demobilization. For additional details, please see the attached schedule provided as **Appendix A**.

5.2 COST

The total cost for the TCRA was approximately \$400,000. There are no long term operations, maintenance, or monitoring costs associated with this removal action.

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6.0 ONGOING ACTIVITIES

If conditions are encountered after this TCRA that warrant continued action at Site 7, those actions will be evaluated by the Navy, EPA, and RIDEM and addressed as necessary. This, in conjunction with the current LUCs, long term monitoring (LTM), and five year reviews will provide long term effectiveness and permanent protection for human health and the environment.

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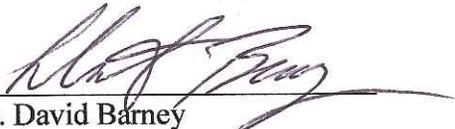
7.0 COMMUNITY RELATIONS

Community involvement will continue through press releases, fact sheets, and public meetings as warranted. In addition, the Restoration Advisory Board (RAB) meetings will continue to be conducted twice per year.

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8.0 CERTIFICATION STATEMENT

On behalf of the United States Department of the Navy, I certify that this document memorializes the completion of the TCRA at Site 7, NCBC Davisville, as described in the Action Memorandum (Shaw, November 2011).



Mr. David Barney
BRAC Environmental Coordinator
NCBC Davisville

10/9/12
Date

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9.0 REFERENCES

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Shaw Environmental and Infrastructure, Inc. (September 2011). *Removal Action Work Plan, Site 7 Removal Action, Naval Construction Battalion, Davisville, Rhode Island.*

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Tetra Tech NUS, Inc. (February 2011). *Draft Final Sampling and Analysis Plan, Field Sampling Plan and Quality Assurance Project Plan.*

Tetra Tech NUS, Inc. (March 2008). *Second Five-Year Review Report for Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island.*

United States Environmental Protection Agency (June 2011). *Regional Screening Levels – Residential Scenario.*

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TABLES

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TABLE 1
FIELD SAMPLING LOG

| SAMPLE NUMBER | DATE | TIME | COMPOSITE OR GRAB | MATRIX | LOCATION | ANALYSIS |
|---------------------------------------|-----------|------|-------------------|--------|--------------------------|--|
| Waste Characterization Samples | | | | | | |
| 143071-WDC-001 | 8/23/2011 | 1530 | 5-Point Composite | Soil | 0'-2' bgs | Full TCLP, RCI, PCB, TPH DRO/GRO, TCL Volatiles, TCL Semi-volatiles, Cyanide, Sulfide. |
| 143071-WDC-002 | 8/23/2011 | 1015 | 5-Point Composite | Soil | 2'-4' bgs | |
| 143071-WDC-003 | 8/23/2011 | 1030 | 5-Point Composite | Soil | 4'-6' bgs | |
| Site Restoration Samples | | | | | | |
| 143071-CLEAN FILL-001 | 8/24/2011 | 1300 | 5-Point Composite | Soil | Cumberland Quarry | Volatiles, Semi-volatiles, Pesticides, PCBs, TAL Metals, Cyanide, TPH, DRO, and GRO. |
| 143071-CLEAN FILL-002 | 8/24/2011 | 1335 | 5-Point Composite | Soil | Pyne Sand & Stone Co Inc | |
| TRIPBLANK | --- | --- | --- | Water | --- | Volatiles |
| Confirmation Samples | | | | | | |
| WE33-SIDEWALL-001 | 10/6/2011 | 0930 | Grab | Soil | Wall | Volatiles |
| WE33-SIDEWALL-002 | 10/6/2011 | 0945 | Grab | Soil | Wall | |
| WE33-SIDEWALL-003 | 10/6/2011 | 1000 | Grab | Soil | Wall | |
| WE33-SIDEWALL-004 | 10/6/2011 | 1015 | Grab | Soil | Wall | |
| WE33-SIDEWALL-005 | 10/6/2011 | 1030 | Grab | Soil | Wall | |
| WE33-SIDEWALL-006 | 10/6/2011 | 1045 | Grab | Soil | Wall | |
| WE33-SIDEWALL-007 | 10/6/2011 | 1100 | Grab | Soil | Wall | |
| WE33-SIDEWALL-008 | 10/6/2011 | 1115 | Grab | Soil | Wall | |
| WE33-SIDEWALL-009 | 10/6/2011 | 1130 | Grab | Soil | Wall | |
| WE33-SIDEWALL-010 | 10/6/2011 | 1145 | Grab | Soil | Wall | |
| WE33-SIDEWALL-011 | 10/6/2011 | 1245 | Grab | Soil | Wall | |
| WE33-SIDEWALL-012 | 10/6/2011 | 1300 | Grab | Soil | Wall | |
| WE33-SIDEWALL-013 | 10/6/2011 | 1315 | Grab | Soil | Wall | |
| WE33-GRAB-014 | 10/6/2011 | 1420 | Grab | Soil | Floor | |
| WE33-GRAB-015 | 10/6/2011 | 1435 | Grab | Soil | Floor | |
| WE33-GRAB-016 | 10/6/2011 | 1445 | Grab | Soil | Floor | |
| WE33-DUPLICATE-017 | 10/6/2011 | 1145 | Grab | Soil | Wall (010 Duplicate) | |
| WE33-DUPLICATE-018 | 10/6/2011 | 1435 | Grab | Soil | Floor (015 Duplicate) | |
| WE33-TRIPBLK-020 | 10/6/2011 | 1500 | --- | Water | --- | |
| WE33-SIDEWALL-021 | 11/2/2011 | 1005 | Grab | Soil | Wall | |
| WE33-SIDEWALL-022 | 11/2/2011 | 1010 | Grab | Soil | Wall (021 Duplicate) | |
| WE33-SIDEWALL-023 | 11/2/2011 | 1030 | Grab | Soil | Wall | |
| WE33-SIDEWALL-024 | 11/2/2011 | 1045 | Grab | Soil | Wall | |
| WE33-SIDEWALL-025 | 11/2/2011 | 1100 | Grab | Soil | Wall | |
| WE33-FIELDBLK-026 | 11/2/2011 | 1120 | --- | Water | --- | |
| WE33-TRIPBLK-027 | 11/2/2011 | 1115 | --- | Water | --- | |
| WE33-EBLK-028 | 11/2/2011 | 1130 | --- | Water | --- | |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|----------|-----------------------------|------------|------------------|--------|------|--------|------|-----|-----|------------|----------------|-----------|-------|
| MC3035-1 | TPH-DRO (Semi-VOA) | | SW846-8015 | 21.7 | | mg/kg | 17 | | 12 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1016 | 12674-11-2 | SW846 8082 | ND | | ug/kg | 100 | | 14 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1221 | 11104-28-2 | SW846 8082 | ND | | ug/kg | 100 | | 15 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1232 | 11141-16-5 | SW846 8082 | ND | | ug/kg | 100 | | 20 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1242 | 53469-21-9 | SW846 8082 | ND | | ug/kg | 100 | | 6.9 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1248 | 12672-29-6 | SW846 8082 | ND | | ug/kg | 100 | | 2.6 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1254 | 11097-69-1 | SW846 8082 | ND | | ug/kg | 100 | | 16 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Aroclor 1260 | 11096-82-5 | SW846 8082 | ND | | ug/kg | 100 | | 3.9 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 90 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 87 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1-Chlorooctadecane | 3386-33-2 | SW846-8015 | 90 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 74 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 63 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | TPH-GRO (VOA) | | SW846 8015 | ND | | mg/kg | 4.0 | | 2.9 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,5-Dibromotoluene | 615-59-8 | SW846 8015 | 81 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Corrosivity as pH | | SW846 CHAP7 | 6.0 | | | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Ignitability (Flashpoint) | | SW846 1020 | >230 | > | Deg. F | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Sulfide | 18496-25-8 | SM21 4500S F MOD | <4.2 | < | mg/kg | 4.2 | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Cyanide | 57-12-5 | SW846 9012 M | <0.13 | < | mg/kg | 0.13 | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Solids, Percent | | SM21 2540 B MOD. | 95.3 | | % | | | | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Chlorophenol | 95-57-8 | SW846 8270C | ND | | ug/kg | 260 | | 14 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Chloro-3-methyl phenol | 59-50-7 | SW846 8270C | ND | | ug/kg | 520 | | 18 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4-Dichlorophenol | 120-83-2 | SW846 8270C | ND | | ug/kg | 520 | | 31 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4-Dimethylphenol | 105-67-9 | SW846 8270C | ND | | ug/kg | 520 | | 52 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4-Dinitrophenol | 51-28-5 | SW846 8270C | ND | | ug/kg | 1000 | | 260 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4,6-Dinitro-o-cresol | 534-52-1 | SW846 8270C | ND | | ug/kg | 520 | | 260 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | ug/kg | 520 | | 15 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 3&4-Methylphenol | | SW846 8270C | ND | | ug/kg | 520 | | 28 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Nitrophenol | 88-75-5 | SW846 8270C | ND | | ug/kg | 520 | | 32 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Nitrophenol | 100-02-7 | SW846 8270C | ND | | ug/kg | 1000 | | 260 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | ug/kg | 520 | | 49 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Phenol | 108-95-2 | SW846 8270C | ND | | ug/kg | 260 | | 44 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | ug/kg | 520 | | 39 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | ug/kg | 520 | | 36 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Acenaphthene | 83-32-9 | SW846 8270C | ND | | ug/kg | 260 | | 22 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Acenaphthylene | 208-96-8 | SW846 8270C | ND | | ug/kg | 260 | | 20 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Anthracene | 120-12-7 | SW846 8270C | ND | | ug/kg | 260 | | 21 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzo(a)anthracene | 56-55-3 | SW846 8270C | ND | | ug/kg | 260 | | 9.6 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzo(a)pyrene | 50-32-8 | SW846 8270C | ND | | ug/kg | 260 | | 16 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzo(b)fluoranthene | 205-99-2 | SW846 8270C | ND | | ug/kg | 260 | | 31 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzo(g,h,i)perylene | 191-24-2 | SW846 8270C | ND | | ug/kg | 260 | | 17 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzo(k)fluoranthene | 207-08-9 | SW846 8270C | ND | | ug/kg | 260 | | 7.8 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Bromophenyl phenyl ether | 101-55-3 | SW846 8270C | ND | | ug/kg | 260 | | 21 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Butyl benzyl phthalate | 85-68-7 | SW846 8270C | ND | | ug/kg | 260 | | 11 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Chloronaphthalene | 91-58-7 | SW846 8270C | ND | | ug/kg | 260 | | 22 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Chloroaniline | 106-47-8 | SW846 8270C | ND | | ug/kg | 520 | | 130 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Carbazole | 86-74-8 | SW846 8270C | ND | | ug/kg | 260 | | 21 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Chrysene | 218-01-9 | SW846 8270C | ND | | ug/kg | 260 | | 8.5 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | bis(2-Chloroethoxy)methane | 111-91-1 | SW846 8270C | ND | | ug/kg | 260 | | 20 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | bis(2-Chloroethyl)ether | 111-44-4 | SW846 8270C | ND | | ug/kg | 260 | | 5.6 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | bis(2-Chloroisopropyl)ether | 108-60-1 | SW846 8270C | ND | | ug/kg | 260 | | 25 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Chlorophenyl phenyl ether | 7005-72-3 | SW846 8270C | ND | | ug/kg | 260 | | 24 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,2-Dichlorobenzene | 95-50-1 | SW846 8270C | ND | | ug/kg | 260 | | 21 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,3-Dichlorobenzene | 541-73-1 | SW846 8270C | ND | | ug/kg | 260 | | 22 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | ug/kg | 260 | | 22 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | ug/kg | 520 | | 130 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,6-Dinitrotoluene | 606-20-2 | SW846 8270C | ND | | ug/kg | 520 | | 25 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 3,3'-Dichlorobenzidine | 91-94-1 | SW846 8270C | ND | | ug/kg | 260 | | 6.3 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Dibenzo(a,h)anthracene | 53-70-3 | SW846 8270C | ND | | ug/kg | 260 | | 17 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Dibenzofuran | 132-64-9 | SW846 8270C | ND | | ug/kg | 260 | | 22 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Di-n-butyl phthalate | 84-74-2 | SW846 8270C | ND | | ug/kg | 260 | | 24 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Di-n-octyl phthalate | 117-84-0 | SW846 8270C | ND | | ug/kg | 260 | | 14 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Diethyl phthalate | 84-66-2 | SW846 8270C | 28.6 | JB | ug/kg | 260 | | 23 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Dimethyl phthalate | 131-11-3 | SW846 8270C | ND | | ug/kg | 260 | | 18 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | bis(2-Ethylhexyl)phthalate | 117-81-7 | SW846 8270C | ND | | ug/kg | 260 | | 18 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Fluoranthene | 206-44-0 | SW846 8270C | ND | | ug/kg | 260 | | 8.9 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Fluorene | 86-73-7 | SW846 8270C | ND | | ug/kg | 260 | | 5.8 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | ug/kg | 260 | | 23 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | ug/kg | 260 | | 21 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|-----------|-----------------------------|------------|-------------|--------|------|-------|---------|----------|----|------------|----------------|-----------|-------|
| MC3035-1 | Hexachlorocyclopentadiene | 77-47-4 | SW846 8270C | ND | | ug/kg | 520 | 3.5 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | ug/kg | 260 | 21 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Indeno(1,2,3-cd)pyrene | 193-39-5 | SW846 8270C | ND | | ug/kg | 260 | 16 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Isophorone | 78-59-1 | SW846 8270C | ND | | ug/kg | 260 | 26 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Methylnaphthalene | 91-57-6 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Nitroaniline | 88-74-4 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 3-Nitroaniline | 99-09-2 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Nitroaniline | 100-01-6 | SW846 8270C | ND | | ug/kg | 520 | 19 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Naphthalene | 91-20-3 | SW846 8270C | ND | | ug/kg | 260 | 6.1 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | ug/kg | 260 | 7.8 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | N-Nitroso-di-n-propylamine | 621-64-7 | SW846 8270C | ND | | ug/kg | 260 | 17 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | N-Nitrosodiphenylamine | 86-30-6 | SW846 8270C | ND | | ug/kg | 260 | 14 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Phenanthrene | 85-01-8 | SW846 8270C | ND | | ug/kg | 260 | 6.8 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Pyrene | 129-00-0 | SW846 8270C | ND | | ug/kg | 260 | 8.4 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,2,4-Trichlorobenzene | 120-82-1 | SW846 8270C | ND | | ug/kg | 260 | 23 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Fluorophenol | 367-12-4 | SW846 8270C | 66 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Phenol-d5 | 4165-62-2 | SW846 8270C | 68 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 81 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 75 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 77 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 86 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Acetone | 67-64-1 | SW846 8260B | 32.3 | | ug/kg | 3.9 | 0.89 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Benzene | 71-43-2 | SW846 8260B | ND | | ug/kg | 0.39 | 0.097 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Bromodichloromethane | 75-27-4 | SW846 8260B | ND | | ug/kg | 1.5 | 0.16 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Bromoform | 75-25-2 | SW846 8260B | ND | | ug/kg | 1.5 | 0.36 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Bromomethane | 74-83-9 | SW846 8260B | ND | | ug/kg | 1.5 | 0.52 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | ug/kg | 3.9 | 0.92 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Carbon disulfide | 75-15-0 | SW846 8260B | ND | | ug/kg | 3.9 | 0.75 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.17 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | ug/kg | 1.5 | 0.072 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Chloroethane | 75-00-3 | SW846 8260B | ND | | ug/kg | 3.9 | 0.20 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Chloroform | 67-66-3 | SW846 8260B | ND | | ug/kg | 1.5 | 0.11 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Chloromethane | 74-87-3 | SW846 8260B | ND | | ug/kg | 3.9 | 0.17 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Dibromochloromethane | 124-48-1 | SW846 8260B | ND | | ug/kg | 1.5 | 0.50 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,1-Dichloroethane | 75-34-3 | SW846 8260B | ND | | ug/kg | 1.5 | 0.12 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | ug/kg | 1.5 | 0.11 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | ug/kg | 1.5 | 0.25 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | ND | | ug/kg | 1.5 | 0.21 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.19 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,2-Dichloropropane | 78-87-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.18 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | cis-1,3-Dichloropropene | 10061-01-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.77 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | trans-1,3-Dichloropropene | 10061-02-6 | SW846 8260B | ND | | ug/kg | 1.5 | 0.53 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Ethylbenzene | 100-41-4 | SW846 8260B | ND | | ug/kg | 1.5 | 0.10 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 2-Hexanone | 591-78-6 | SW846 8260B | ND | | ug/kg | 3.9 | 0.81 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SW846 8260B | ND | | ug/kg | 3.9 | 0.65 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Methylene chloride | 75-09-2 | SW846 8260B | ND | | ug/kg | 1.5 | 0.28 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Styrene | 100-42-5 | SW846 8260B | ND | | ug/kg | 3.9 | 0.39 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,1,2,2-Tetrachloroethane | 79-34-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.14 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | ug/kg | 1.5 | 0.13 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Toluene | 108-88-3 | SW846 8260B | 0.71 | J | ug/kg | 3.9 | 0.14 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,1,1-Trichloroethane | 71-55-6 | SW846 8260B | ND | | ug/kg | 1.5 | 0.14 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | ND | | ug/kg | 1.5 | 0.20 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Trichloroethene | 79-01-6 | SW846 8260B | 0.36 | J | ug/kg | 1.5 | 0.15 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | ug/kg | 1.5 | 0.50 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Xylene (total) | 1330-20-7 | SW846 8260B | 0.39 | J | ug/kg | 1.5 | 0.097 | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 93 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | Toluene-D8 | 2037-26-5 | SW846 8260B | 88 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1 | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 89 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4-D | 94-75-7 | SW846 8151 | ND | | mg/l | 0.010 | 0.0014 | 1 | 10 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4,5-TP (Silvex) | 93-72-1 | SW846 8151 | ND | | mg/l | 0.010 | 0.00062 | 1 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | gamma-BHC (Lindane) | 58-89-9 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00013 | 1 | 0.4 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Chlordane | 12789-03-6 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00024 | 1 | 0.03 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Endrin | 72-20-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.02 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Heptachlor | 76-44-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.008 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Heptachlor epoxide | 1024-57-3 | SW846 8081 | ND | | mg/l | 0.00050 | 0.000094 | 1 | 0.008 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Methoxychlor | 72-43-5 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00020 | 1 | 10 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Toxaphene | 8001-35-2 | SW846 8081 | ND | | mg/l | 0.025 | 0.0015 | 1 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 73 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 66 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|-----------|---------------------------|------------|------------------|----------|------|--------|---------|----------|-----|------------|----------------|-----------|-------|
| MC3035-1A | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 62 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 79 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 60 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 61 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Arsenic | 7440-38-2 | SW846 6010C | 0.0056 | B | mg/l | 0.010 | 0.0011 | 1 | 5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Barium | 7440-39-3 | SW846 6010C | 0.077 | B | mg/l | 0.50 | 0.0010 | 1 | 100 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Cadmium | 7440-43-9 | SW846 6010C | 0.0013 | B | mg/l | 0.0040 | 0.00018 | 1 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Chromium | 7440-47-3 | SW846 6010C | 0.00066 | U | mg/l | 0.010 | 0.00066 | 1 | 5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Lead | 7439-92-1 | SW846 6010C | 0.0014 | B | mg/l | 0.010 | 0.0014 | 1 | 5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Mercury | 7439-97-6 | SW846 7470A | 0.000029 | U | mg/l | 0.00020 | 0.000029 | 1 | 0.2 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Selenium | 7782-49-2 | SW846 6010C | 0.023 | B | mg/l | 0.025 | 0.0021 | 1 | 1 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Silver | 7440-22-4 | SW846 6010C | 0.0010 | U | mg/l | 0.0050 | 0.0010 | 1 | 5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | mg/l | 0.10 | 0.0048 | 1 | 200 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 3&4-Methylphenol | | SW846 8270C | ND | | mg/l | 0.10 | 0.0063 | 1 | 200 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | mg/l | 0.10 | 0.033 | 1 | 100 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | mg/l | 0.10 | 0.0040 | 1 | 400 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.0038 | 1 | 2 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 7.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.013 | 1 | 0.13 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0016 | 1 | 0.13 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0043 | 1 | 3 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0031 | 1 | 2 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Pyridine | 110-86-1 | SW846 8270C | ND | | mg/l | 0.10 | 0.0050 | 1 | 5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2-Fluorophenol | 367-12-4 | SW846 8270C | 35 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Phenol-d5 | 4165-62-2 | SW846 8270C | 21 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 77 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 40 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 48 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 62 | | % | | | 1 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Benzene | 71-43-2 | SW846 8260B | ND | | mg/l | 0.050 | 0.046 | 100 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | mg/l | 0.50 | 0.27 | 100 | 200 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 100 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Chloroform | 67-66-3 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 6 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.042 | 100 | 7.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.080 | 100 | 0.7 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.036 | 100 | 0.7 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Trichloroethene | 79-01-6 | SW846 8260B | ND | | mg/l | 0.10 | 0.075 | 100 | 0.5 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.083 | 100 | 0.2 | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 98 | | % | | | 100 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | Toluene-D8 | 2037-26-5 | SW846 8260B | 101 | | % | | | 100 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-1A | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 105 | | % | | | 100 | | 143071-WDC-001 | 8/23/2011 | 15:30 |
| MC3035-2 | TPH-DRO (Semi-VOA) | | SW846 8015 | ND | | mg/kg | 18 | 13 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1016 | 12674-11-2 | SW846 8082 | ND | | ug/kg | 110 | 15 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1221 | 11104-28-2 | SW846 8082 | ND | | ug/kg | 110 | 15 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1232 | 11141-16-5 | SW846 8082 | ND | | ug/kg | 110 | 21 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1242 | 53469-21-9 | SW846 8082 | ND | | ug/kg | 110 | 7.3 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1248 | 12672-29-6 | SW846 8082 | ND | | ug/kg | 110 | 2.8 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1254 | 11097-69-1 | SW846 8082 | ND | | ug/kg | 110 | 17 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Aroclor 1260 | 11096-82-5 | SW846 8082 | ND | | ug/kg | 110 | 4.1 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 75 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 73 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 63 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 71 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1-Chlorooctadecane | 3386-33-2 | SW846 8015 | 24 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | TPH-GRO (VOA) | | SW846 8015 | ND | | mg/kg | 4.5 | 3.2 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,5-Dibromotoluene | 615-59-8 | SW846 8015 | 82 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Corrosivity as pH | | SW846 CHAP7 | 8.0 | | | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Sulfide | 18496-25-8 | SM21 4500S F MOD | <4.4 | < | mg/kg | 4.4 | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Cyanide | 57-12-5 | SW846 9012 M | <0.13 | < | mg/kg | 0.13 | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Ignitability (Flashpoint) | | SW846 1020 | >230 | > | Deg. F | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Solids, Percent | | SM21 2540 B MOD. | 91.7 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Chlorophenol | 95-57-8 | SW846 8270C | ND | | ug/kg | 260 | 14 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Chloro-3-methyl phenol | 59-50-7 | SW846 8270C | ND | | ug/kg | 520 | 18 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4-Dichlorophenol | 120-83-2 | SW846 8270C | ND | | ug/kg | 520 | 31 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4-Dimethylphenol | 105-67-9 | SW846 8270C | ND | | ug/kg | 520 | 52 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4-Dinitrophenol | 51-28-5 | SW846 8270C | ND | | ug/kg | 1000 | 260 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|----------|-----------------------------|-----------|-------------|--------|------|-------|------|------|----|------------|----------------|-----------|-------|
| MC3035-2 | 4,6-Dinitro-o-cresol | 534-52-1 | SW846 8270C | ND | | ug/kg | 520 | 260 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | ug/kg | 520 | 15 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 3&4-Methylphenol | | SW846 8270C | ND | | ug/kg | 520 | 28 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Nitrophenol | 88-75-5 | SW846 8270C | ND | | ug/kg | 520 | 31 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Nitrophenol | 100-02-7 | SW846 8270C | ND | | ug/kg | 1000 | 260 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | ug/kg | 520 | 48 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Phenol | 108-95-2 | SW846 8270C | ND | | ug/kg | 260 | 43 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | ug/kg | 520 | 39 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | ug/kg | 520 | 36 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Acenaphthene | 83-32-9 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Acenaphthylene | 208-96-8 | SW846 8270C | ND | | ug/kg | 260 | 20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Anthracene | 120-12-7 | SW846 8270C | ND | | ug/kg | 260 | 21 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzo(a)anthracene | 56-55-3 | SW846 8270C | 16.3 | J | ug/kg | 260 | 9.6 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzo(a)pyrene | 50-32-8 | SW846 8270C | ND | | ug/kg | 260 | 16 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzo(b)fluoranthene | 205-99-2 | SW846 8270C | ND | | ug/kg | 260 | 30 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzo(g,h,i)perylene | 191-24-2 | SW846 8270C | ND | | ug/kg | 260 | 17 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzo(k)fluoranthene | 207-08-9 | SW846 8270C | ND | | ug/kg | 260 | 7.7 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Bromophenyl phenyl ether | 101-55-3 | SW846 8270C | ND | | ug/kg | 260 | 21 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Butyl benzyl phthalate | 85-68-7 | SW846 8270C | ND | | ug/kg | 260 | 11 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Chloronaphthalene | 91-58-7 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Chloroaniline | 106-47-8 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Carbazole | 86-74-8 | SW846 8270C | ND | | ug/kg | 260 | 20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Chrysene | 218-01-9 | SW846 8270C | 12.8 | J | ug/kg | 260 | 8.5 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | bis(2-Chloroethoxy)methane | 111-91-1 | SW846 8270C | ND | | ug/kg | 260 | 20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | bis(2-Chloroethyl)ether | 111-44-4 | SW846 8270C | ND | | ug/kg | 260 | 5.6 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | bis(2-Chloroisopropyl)ether | 108-60-1 | SW846 8270C | ND | | ug/kg | 260 | 25 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Chlorophenyl phenyl ether | 7005-72-3 | SW846 8270C | ND | | ug/kg | 260 | 23 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,2-Dichlorobenzene | 95-50-1 | SW846 8270C | ND | | ug/kg | 260 | 21 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,3-Dichlorobenzene | 541-73-1 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,6-Dinitrotoluene | 606-20-2 | SW846 8270C | ND | | ug/kg | 520 | 25 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 3,3'-Dichlorobenzidine | 91-94-1 | SW846 8270C | ND | | ug/kg | 260 | 6.3 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Dibenzo(a,h)anthracene | 53-70-3 | SW846 8270C | ND | | ug/kg | 260 | 17 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Dibenzofuran | 132-64-9 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Di-n-butyl phthalate | 84-74-2 | SW846 8270C | ND | | ug/kg | 260 | 24 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Di-n-octyl phthalate | 117-84-0 | SW846 8270C | ND | | ug/kg | 260 | 14 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Diethyl phthalate | 84-66-2 | SW846 8270C | ND | | ug/kg | 260 | 23 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Dimethyl phthalate | 131-11-3 | SW846 8270C | ND | | ug/kg | 260 | 18 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | bis(2-Ethylhexyl)phthalate | 117-81-7 | SW846 8270C | ND | | ug/kg | 260 | 18 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Fluoranthene | 206-44-0 | SW846 8270C | 26.0 | J | ug/kg | 260 | 8.9 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Fluorene | 86-73-7 | SW846 8270C | ND | | ug/kg | 260 | 5.7 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | ug/kg | 260 | 20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Hexachlorocyclopentadiene | 77-47-4 | SW846 8270C | ND | | ug/kg | 520 | 3.5 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | ug/kg | 260 | 21 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Indeno(1,2,3-cd)pyrene | 193-39-5 | SW846 8270C | ND | | ug/kg | 260 | 16 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Isophorone | 78-59-1 | SW846 8270C | ND | | ug/kg | 260 | 26 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Methylnaphthalene | 91-57-6 | SW846 8270C | ND | | ug/kg | 260 | 22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Nitroaniline | 88-74-4 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 3-Nitroaniline | 99-09-2 | SW846 8270C | ND | | ug/kg | 520 | 130 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Nitroaniline | 100-01-6 | SW846 8270C | ND | | ug/kg | 520 | 19 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Naphthalene | 91-20-3 | SW846 8270C | ND | | ug/kg | 260 | 6 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | ug/kg | 260 | 7.7 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | N-Nitroso-di-n-propylamine | 621-64-7 | SW846 8270C | ND | | ug/kg | 260 | 17 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | N-Nitrosodiphenylamine | 86-30-6 | SW846 8270C | ND | | ug/kg | 260 | 14 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Phenanthrene | 85-01-8 | SW846 8270C | 14.3 | J | ug/kg | 260 | 6.7 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Pyrene | 129-00-0 | SW846 8270C | 21.4 | J | ug/kg | 260 | 8.4 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,2,4-Trichlorobenzene | 120-82-1 | SW846 8270C | ND | | ug/kg | 260 | 23 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Fluorophenol | 367-12-4 | SW846 8270C | 66 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Phenol-d5 | 4165-62-2 | SW846 8270C | 61 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 78 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 60 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 76 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 92 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Acetone | 67-64-1 | SW846 8260B | ND | | ug/kg | 4.4 | 1.0 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Benzene | 71-43-2 | SW846 8260B | ND | | ug/kg | 0.44 | 0.11 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Bromodichloromethane | 75-27-4 | SW846 8260B | ND | | ug/kg | 1.8 | 0.18 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Bromoform | 75-25-2 | SW846 8260B | ND | | ug/kg | 1.8 | 0.41 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|-----------|-----------------------------|------------|-------------|----------|------|-------|---------|----------|----|------------|----------------|-----------|-------|
| MC3035-2 | Bromomethane | 74-83-9 | SW846 8260B | ND | | ug/kg | 1.8 | 0.59 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | ug/kg | 4.4 | 1.0 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Carbon disulfide | 75-15-0 | SW846 8260B | 4.2 | J | ug/kg | 4.4 | 0.85 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | ug/kg | 1.8 | 0.082 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Chloroethane | 75-00-3 | SW846 8260B | ND | | ug/kg | 4.4 | 0.23 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Chloroform | 67-66-3 | SW846 8260B | ND | | ug/kg | 1.8 | 0.13 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Chloromethane | 74-87-3 | SW846 8260B | ND | | ug/kg | 4.4 | 0.19 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Dibromochloromethane | 124-48-1 | SW846 8260B | ND | | ug/kg | 1.8 | 0.57 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,1-Dichloroethane | 75-34-3 | SW846 8260B | ND | | ug/kg | 1.8 | 0.13 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | ug/kg | 1.8 | 0.13 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | ug/kg | 1.8 | 0.28 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | ND | | ug/kg | 1.8 | 0.24 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,2-Dichloropropane | 78-87-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.20 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | cis-1,3-Dichloropropene | 10061-01-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.88 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | trans-1,3-Dichloropropene | 10061-02-6 | SW846 8260B | ND | | ug/kg | 1.8 | 0.60 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Ethylbenzene | 100-41-4 | SW846 8260B | ND | | ug/kg | 1.8 | 0.11 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 2-Hexanone | 591-78-6 | SW846 8260B | ND | | ug/kg | 4.4 | 0.92 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SW846 8260B | ND | | ug/kg | 4.4 | 0.74 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Methylene chloride | 75-09-2 | SW846 8260B | ND | | ug/kg | 1.8 | 0.32 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Styrene | 100-42-5 | SW846 8260B | ND | | ug/kg | 4.4 | 0.44 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,1,2,2-Tetrachloroethane | 79-34-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.15 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | ug/kg | 1.8 | 0.15 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Toluene | 108-88-3 | SW846 8260B | ND | | ug/kg | 4.4 | 0.16 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,1,1-Trichloroethane | 71-55-6 | SW846 8260B | ND | | ug/kg | 1.8 | 0.16 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | ND | | ug/kg | 1.8 | 0.22 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Trichloroethene | 79-01-6 | SW846 8260B | 0.57 | J | ug/kg | 1.8 | 0.17 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | ug/kg | 1.8 | 0.57 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Xylene (total) | 1330-20-7 | SW846 8260B | ND | | ug/kg | 1.8 | 0.11 | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 95 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | Toluene-D8 | 2037-26-5 | SW846 8260B | 90 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2 | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 88 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4-D | 94-75-7 | SW846 8151 | ND | | mg/l | 0.010 | 0.0014 | 1 | 10 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4,5-TP (Silvex) | 93-72-1 | SW846 8151 | ND | | mg/l | 0.010 | 0.00062 | 1 | 1 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | gamma-BHC (Lindane) | 58-89-9 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00013 | 1 | 0.4 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Chlordane | 12789-03-6 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00024 | 1 | 0.03 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Endrin | 72-20-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.02 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Heptachlor | 76-44-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.008 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Heptachlor epoxide | 1024-57-3 | SW846 8081 | ND | | mg/l | 0.00050 | 0.000094 | 1 | 0.008 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Methoxychlor | 72-43-5 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00020 | 1 | 10 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Toxaphene | 8001-35-2 | SW846 8081 | ND | | mg/l | 0.025 | 0.0015 | 1 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 71 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 80 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 70 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 66 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 59 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 60 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Arsenic | 7440-38-2 | SW846 6010C | 0.0034 | B | mg/l | 0.010 | 0.0011 | 1 | 5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Barium | 7440-39-3 | SW846 6010C | 0.11 | B | mg/l | 0.50 | 0.0010 | 1 | 100 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Cadmium | 7440-43-9 | SW846 6010C | 0.00018 | U | mg/l | 0.0040 | 0.00018 | 1 | 1 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Chromium | 7440-47-3 | SW846 6010C | 0.00070 | B | mg/l | 0.010 | 0.00066 | 1 | 5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Lead | 7439-92-1 | SW846 6010C | 0.0014 | U | mg/l | 0.010 | 0.0014 | 1 | 5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Mercury | 7439-97-6 | SW846 7470A | 0.000029 | U | mg/l | 0.00020 | 0.000029 | 1 | 0.2 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Selenium | 7782-49-2 | SW846 6010C | 0.024 | B | mg/l | 0.025 | 0.0021 | 1 | 1 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Silver | 7440-22-4 | SW846 6010C | 0.0010 | U | mg/l | 0.0050 | 0.0010 | 1 | 5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | mg/l | 0.10 | 0.0048 | 1 | 200 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 3&4-Methylphenol | | SW846 8270C | ND | | mg/l | 0.10 | 0.0063 | 1 | 200 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | mg/l | 0.10 | 0.033 | 1 | 100 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | mg/l | 0.10 | 0.0040 | 1 | 400 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.0038 | 1 | 2 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 7.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.013 | 1 | 0.13 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0016 | 1 | 0.13 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0043 | 1 | 3 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0031 | 1 | 2 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Pyridine | 110-86-1 | SW846 8270C | ND | | mg/l | 0.10 | 0.0050 | 1 | 5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2-Fluorophenol | 367-12-4 | SW846 8270C | 37 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|-----------|----------------------------|------------|------------------|--------|------|--------|-------|-------|-----|------------|----------------|-----------|-------|
| MC3035-2A | Phenol-d5 | 4165-62-2 | SW846 8270C | 22 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 82 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 49 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 56 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 70 | | % | | | 1 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Benzene | 71-43-2 | SW846 8260B | ND | | mg/l | 0.050 | 0.046 | 100 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | mg/l | 0.50 | 0.27 | 100 | 200 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 100 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Chloroform | 67-66-3 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 6 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.042 | 100 | 7.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.080 | 100 | 0.7 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.036 | 100 | 0.7 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Trichloroethene | 79-01-6 | SW846 8260B | ND | | mg/l | 0.10 | 0.075 | 100 | 0.5 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.083 | 100 | 0.2 | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 99 | | % | | | 100 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | Toluene-D8 | 2037-26-5 | SW846 8260B | 98 | | % | | | 100 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-2A | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 100 | | % | | | 100 | | 143071-WDC-002 | 8/24/2011 | 10:15 |
| MC3035-3 | TPH-DRO (Semi-VOA) | | SW846-8015 | ND | | mg/kg | 20 | | 14 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1016 | 12674-11-2 | SW846 8082 | ND | | ug/kg | 120 | | 16 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1221 | 11104-28-2 | SW846 8082 | ND | | ug/kg | 120 | | 17 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1232 | 11141-16-5 | SW846 8082 | ND | | ug/kg | 120 | | 23 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1242 | 53469-21-9 | SW846 8082 | ND | | ug/kg | 120 | | 8 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1248 | 12672-29-6 | SW846 8082 | ND | | ug/kg | 120 | | 3.1 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1254 | 11097-69-1 | SW846 8082 | ND | | ug/kg | 120 | | 18 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Aroclor 1260 | 11096-82-5 | SW846 8082 | ND | | ug/kg | 120 | | 4.5 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 92 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 97 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1-Chlorooctadecane | 3386-33-2 | SW846-8015 | 31 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 72 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 86 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | TPH-GRO (VOA) | | SW846 8015 | ND | | mg/kg | 5.6 | | 4.0 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,5-Dibromotoluene | 615-59-8 | SW846 8015 | 85 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Ignitability (Flashpoint) | | SW846 1020 | >230 | > | Deg. F | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Corrosivity as pH | | SW846 CHAP7 | 12.1 | | | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Sulfide | 18496-25-8 | SM21 4500S F MOD | <4.8 | < | mg/kg | 4.8 | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Cyanide | 57-12-5 | SW846 9012 M | <0.14 | < | mg/kg | 0.14 | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Solids, Percent | | SM21 2540 B MOD. | 83.3 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Chlorophenol | 95-57-8 | SW846 8270C | ND | | ug/kg | 290 | | 15 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Chloro-3-methyl phenol | 59-50-7 | SW846 8270C | ND | | ug/kg | 580 | | 20 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4-Dichlorophenol | 120-83-2 | SW846 8270C | ND | | ug/kg | 580 | | 34 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4-Dimethylphenol | 105-67-9 | SW846 8270C | ND | | ug/kg | 580 | | 58 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4-Dinitrophenol | 51-28-5 | SW846 8270C | ND | | ug/kg | 1200 | | 290 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4,6-Dinitro-o-cresol | 534-52-1 | SW846 8270C | ND | | ug/kg | 580 | | 290 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | ug/kg | 580 | | 16 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 3&4-Methylphenol | | SW846 8270C | ND | | ug/kg | 580 | | 31 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Nitrophenol | 88-75-5 | SW846 8270C | ND | | ug/kg | 580 | | 35 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Nitrophenol | 100-02-7 | SW846 8270C | ND | | ug/kg | 1200 | | 290 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | ug/kg | 580 | | 54 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Phenol | 108-95-2 | SW846 8270C | ND | | ug/kg | 290 | | 48 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | ug/kg | 580 | | 43 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | ug/kg | 580 | | 40 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Acenaphthene | 83-32-9 | SW846 8270C | ND | | ug/kg | 290 | | 24 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Acenaphthylene | 208-96-8 | SW846 8270C | ND | | ug/kg | 290 | | 22 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Anthracene | 120-12-7 | SW846 8270C | ND | | ug/kg | 290 | | 23 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzo(a)anthracene | 56-55-3 | SW846 8270C | ND | | ug/kg | 290 | | 11 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzo(a)pyrene | 50-32-8 | SW846 8270C | ND | | ug/kg | 290 | | 17 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzo(b)fluoranthene | 205-99-2 | SW846 8270C | ND | | ug/kg | 290 | | 34 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzo(g,h,i)perylene | 191-24-2 | SW846 8270C | ND | | ug/kg | 290 | | 19 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzo(k)fluoranthene | 207-08-9 | SW846 8270C | ND | | ug/kg | 290 | | 8.5 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Bromophenyl phenyl ether | 101-55-3 | SW846 8270C | ND | | ug/kg | 290 | | 23 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Butyl benzyl phthalate | 85-68-7 | SW846 8270C | ND | | ug/kg | 290 | | 12 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Chloronaphthalene | 91-58-7 | SW846 8270C | ND | | ug/kg | 290 | | 24 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Chloroaniline | 106-47-8 | SW846 8270C | ND | | ug/kg | 580 | | 140 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Carbazole | 86-74-8 | SW846 8270C | ND | | ug/kg | 290 | | 23 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Chrysene | 218-01-9 | SW846 8270C | ND | | ug/kg | 290 | | 9.4 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | bis(2-Chloroethoxy)methane | 111-91-1 | SW846 8270C | ND | | ug/kg | 290 | | 22 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | bis(2-Chloroethyl)ether | 111-44-4 | SW846 8270C | ND | | ug/kg | 290 | | 6.2 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|----------|-----------------------------|------------|-------------|--------|------|-------|------|------|----|------------|----------------|-----------|-------|
| MC3035-3 | bis(2-Chloroisopropyl)ether | 108-60-1 | SW846 8270C | ND | | ug/kg | 290 | 27 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Chlorophenyl phenyl ether | 7005-72-3 | SW846 8270C | ND | | ug/kg | 290 | 26 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,2-Dichlorobenzene | 95-50-1 | SW846 8270C | ND | | ug/kg | 290 | 23 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,3-Dichlorobenzene | 541-73-1 | SW846 8270C | ND | | ug/kg | 290 | 24 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | ug/kg | 290 | 24 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | ug/kg | 580 | 140 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,6-Dinitrotoluene | 606-20-2 | SW846 8270C | ND | | ug/kg | 580 | 28 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 3,3'-Dichlorobenzidine | 91-94-1 | SW846 8270C | ND | | ug/kg | 290 | 6.9 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Dibenzo(a,h)anthracene | 53-70-3 | SW846 8270C | ND | | ug/kg | 290 | 19 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Dibenzofuran | 132-64-9 | SW846 8270C | ND | | ug/kg | 290 | 25 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Di-n-butyl phthalate | 84-74-2 | SW846 8270C | ND | | ug/kg | 290 | 26 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Di-n-octyl phthalate | 117-84-0 | SW846 8270C | ND | | ug/kg | 290 | 15 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Diethyl phthalate | 84-66-2 | SW846 8270C | ND | | ug/kg | 290 | 25 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Dimethyl phthalate | 131-11-3 | SW846 8270C | ND | | ug/kg | 290 | 20 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | bis(2-Ethylhexyl)phthalate | 117-81-7 | SW846 8270C | ND | | ug/kg | 290 | 20 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Fluoranthene | 206-44-0 | SW846 8270C | ND | | ug/kg | 290 | 9.8 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Fluorene | 86-73-7 | SW846 8270C | ND | | ug/kg | 290 | 6.3 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | ug/kg | 290 | 25 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | ug/kg | 290 | 23 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Hexachlorocyclopentadiene | 77-47-4 | SW846 8270C | ND | | ug/kg | 580 | 3.9 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | ug/kg | 290 | 23 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Indeno(1,2,3-cd)pyrene | 193-39-5 | SW846 8270C | ND | | ug/kg | 290 | 18 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Isophorone | 78-59-1 | SW846 8270C | ND | | ug/kg | 290 | 29 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Methylnaphthalene | 91-57-6 | SW846 8270C | ND | | ug/kg | 290 | 24 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Nitroaniline | 88-74-4 | SW846 8270C | ND | | ug/kg | 580 | 140 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 3-Nitroaniline | 99-09-2 | SW846 8270C | ND | | ug/kg | 580 | 140 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Nitroaniline | 100-01-6 | SW846 8270C | ND | | ug/kg | 580 | 21 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Naphthalene | 91-20-3 | SW846 8270C | ND | | ug/kg | 290 | 6.7 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | ug/kg | 290 | 8.5 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | N-Nitroso-di-n-propylamine | 621-64-7 | SW846 8270C | ND | | ug/kg | 290 | 18 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | N-Nitrosodiphenylamine | 86-30-6 | SW846 8270C | ND | | ug/kg | 290 | 15 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Phenanthrene | 85-01-8 | SW846 8270C | ND | | ug/kg | 290 | 7.4 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Pyrene | 129-00-0 | SW846 8270C | ND | | ug/kg | 290 | 9.3 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,2,4-Trichlorobenzene | 120-82-1 | SW846 8270C | ND | | ug/kg | 290 | 25 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Fluorophenol | 367-12-4 | SW846 8270C | 37 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Phenol-d5 | 4165-62-2 | SW846 8270C | 57 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 34 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 64 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 84 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 92 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Acetone | 67-64-1 | SW846 8260B | ND | | ug/kg | 4.3 | 0.99 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Benzene | 71-43-2 | SW846 8260B | ND | | ug/kg | 0.43 | 0.11 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Bromodichloromethane | 75-27-4 | SW846 8260B | ND | | ug/kg | 1.7 | 0.18 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Bromoform | 75-25-2 | SW846 8260B | ND | | ug/kg | 1.7 | 0.40 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Bromomethane | 74-83-9 | SW846 8260B | ND | | ug/kg | 1.7 | 0.58 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | ug/kg | 4.3 | 1.0 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Carbon disulfide | 75-15-0 | SW846 8260B | ND | | ug/kg | 4.3 | 0.83 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.19 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | ug/kg | 1.7 | 0.08 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Chloroethane | 75-00-3 | SW846 8260B | ND | | ug/kg | 4.3 | 0.22 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Chloroform | 67-66-3 | SW846 8260B | ND | | ug/kg | 1.7 | 0.13 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Chloromethane | 74-87-3 | SW846 8260B | ND | | ug/kg | 4.3 | 0.18 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Dibromochloromethane | 124-48-1 | SW846 8260B | ND | | ug/kg | 1.7 | 0.56 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,1-Dichloroethane | 75-34-3 | SW846 8260B | ND | | ug/kg | 1.7 | 0.13 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | ug/kg | 1.7 | 0.12 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | ug/kg | 1.7 | 0.27 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | ND | | ug/kg | 1.7 | 0.23 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.22 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,2-Dichloropropane | 78-87-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.19 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | cis-1,3-Dichloropropene | 10061-01-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.85 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | trans-1,3-Dichloropropene | 10061-02-6 | SW846 8260B | ND | | ug/kg | 1.7 | 0.59 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Ethylbenzene | 100-41-4 | SW846 8260B | ND | | ug/kg | 1.7 | 0.11 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 2-Hexanone | 591-78-6 | SW846 8260B | ND | | ug/kg | 4.3 | 0.90 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SW846 8260B | ND | | ug/kg | 4.3 | 0.72 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Methylene chloride | 75-09-2 | SW846 8260B | ND | | ug/kg | 1.7 | 0.31 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Styrene | 100-42-5 | SW846 8260B | ND | | ug/kg | 4.3 | 0.43 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,1,2,2-Tetrachloroethane | 79-34-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.15 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Tetrachloroethene | 127-18-4 | SW846 8260B | 0.72 | J | ug/kg | 1.7 | 0.14 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Toluene | 108-88-3 | SW846 8260B | ND | | ug/kg | 4.3 | 0.15 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |

TABLE 2
WASTE DISPOSAL CHARACTERIZATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 143071

Including: TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | TCLP Limit | Client ID | Collected | Time |
|-----------|-----------------------|------------|-------------|----------|------|-------|---------|----------|-----|------------|----------------|-----------|-------|
| MC3035-3 | 1,1,1-Trichloroethane | 71-55-6 | SW846 8260B | ND | | ug/kg | 1.7 | 0.16 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | ND | | ug/kg | 1.7 | 0.22 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Trichloroethene | 79-01-6 | SW846 8260B | 1.7 | | ug/kg | 1.7 | 0.17 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | ug/kg | 1.7 | 0.55 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Xylene (total) | 1330-20-7 | SW846 8260B | ND | | ug/kg | 1.7 | 0.11 | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 98 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | Toluene-D8 | 2037-26-5 | SW846 8260B | 91 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3 | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 90 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4-D | 94-75-7 | SW846 8151 | ND | | mg/l | 0.010 | 0.0014 | 1 | 10 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4,5-TP (Silvex) | 93-72-1 | SW846 8151 | ND | | mg/l | 0.010 | 0.00062 | 1 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | gamma-BHC (Lindane) | 58-89-9 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00013 | 1 | 0.4 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Chlordane | 12789-03-6 | SW846 8081 | ND | | mg/l | 0.0050 | 0.0024 | 1 | 0.03 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Endrin | 72-20-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.02 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Heptachlor | 76-44-8 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00017 | 1 | 0.008 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Heptachlor epoxide | 1024-57-3 | SW846 8081 | ND | | mg/l | 0.00050 | 0.000094 | 1 | 0.008 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Methoxychlor | 72-43-5 | SW846 8081 | ND | | mg/l | 0.00050 | 0.00020 | 1 | 10 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Toxaphene | 8001-35-2 | SW846 8081 | ND | | mg/l | 0.025 | 0.0015 | 1 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 71 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 61 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Tetrachloro-p-xylene | 877-09-8 | SW846 8081 | 60 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4-DCAA | 19719-28-9 | SW846 8151 | 85 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 65 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 59 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Arsenic | 7440-38-2 | SW846 6010C | 0.0011 | U | mg/l | 0.010 | 0.0011 | 1 | 5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Barium | 7440-39-3 | SW846 6010C | 0.055 | B | mg/l | 0.50 | 0.0010 | 1 | 100 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Cadmium | 7440-43-9 | SW846 6010C | 0.00018 | U | mg/l | 0.0040 | 0.00018 | 1 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Chromium | 7440-47-3 | SW846 6010C | 0.033 | | mg/l | 0.010 | 0.00066 | 1 | 5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Lead | 7439-92-1 | SW846 6010C | 0.0071 | B | mg/l | 0.010 | 0.0014 | 1 | 5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Mercury | 7439-97-6 | SW846 7470A | 0.000029 | U | mg/l | 0.00020 | 0.000029 | 1 | 0.2 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Selenium | 7782-49-2 | SW846 6010C | 0.030 | | mg/l | 0.025 | 0.0021 | 1 | 1 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Silver | 7440-22-4 | SW846 6010C | 0.0010 | U | mg/l | 0.0050 | 0.0010 | 1 | 5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2-Methylphenol | 95-48-7 | SW846 8270C | ND | | mg/l | 0.10 | 0.0048 | 1 | 200 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 3&4-Methylphenol | | SW846 8270C | ND | | mg/l | 0.10 | 0.0063 | 1 | 200 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | mg/l | 0.10 | 0.033 | 1 | 100 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | mg/l | 0.10 | 0.0040 | 1 | 400 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.0038 | 1 | 2 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 7.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | mg/l | 0.10 | 0.013 | 1 | 0.13 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0016 | 1 | 0.13 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0061 | 1 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | mg/l | 0.050 | 0.0043 | 1 | 3 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Nitrobenzene | 98-95-3 | SW846 8270C | ND | | mg/l | 0.050 | 0.0031 | 1 | 2 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Pyridine | 110-86-1 | SW846 8270C | ND | | mg/l | 0.10 | 0.0050 | 1 | 5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2-Fluorophenol | 367-12-4 | SW846 8270C | 43 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Phenol-d5 | 4165-62-2 | SW846 8270C | 26 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 95 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 64 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 76 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 91 | | % | | | 1 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Benzene | 71-43-2 | SW846 8260B | ND | | mg/l | 0.050 | 0.046 | 100 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | mg/l | 0.50 | 0.27 | 100 | 200 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 100 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Chloroform | 67-66-3 | SW846 8260B | ND | | mg/l | 0.10 | 0.058 | 100 | 6 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 1,4-Dichlorobenzene | 106-46-7 | SW846 8260B | ND | | mg/l | 0.10 | 0.042 | 100 | 7.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | mg/l | 0.10 | 0.044 | 100 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.080 | 100 | 0.7 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.036 | 100 | 0.7 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Trichloroethene | 79-01-6 | SW846 8260B | ND | | mg/l | 0.10 | 0.075 | 100 | 0.5 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | mg/l | 0.10 | 0.083 | 100 | 0.2 | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 111 | | % | | | 100 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | Toluene-D8 | 2037-26-5 | SW846 8260B | 96 | | % | | | 100 | | 143071-WDC-003 | 8/24/2011 | 10:30 |
| MC3035-3A | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 101 | | % | | | 100 | | 143071-WDC-003 | 8/24/2011 | 10:30 |

Found 0 results exceeding regulatory limits.

** Indicates result outside regulatory limits.

TABLE 3
CLEAN FILL MATERIAL VERIFICATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 143071

Including: RI Direct Exposure Residential Soil (DEM-DSR-01-93 8/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | RI ¹ Direct Exposure Residential Soil Limit | Client ID | Collected | Time |
|----------|-----------------------------|------------|--------------------|--------|------|-------|------|--------|----|---|-----------------------|-----------|-------|
| MC3036-2 | Chlordane | 12789-03-6 | SW846 8081 | ND | | ug/kg | 67 | 13 | 1 | 500 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Dieldrin | 60-57-1 | SW846 8081 | ND | | ug/kg | 6.7 | 2 | 1 | 40 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1016 | 12674-11-2 | SW846 8082 | ND | | ug/kg | 99 | 14 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1221 | 11104-28-2 | SW846 8082 | ND | | ug/kg | 99 | 14 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1232 | 11141-16-5 | SW846 8082 | ND | | ug/kg | 99 | 19 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1242 | 53469-21-9 | SW846 8082 | ND | | ug/kg | 99 | 6.7 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1248 | 12672-29-6 | SW846 8082 | ND | | ug/kg | 99 | 2.6 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1254 | 11097-69-1 | SW846 8082 | ND | | ug/kg | 99 | 15 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Aroclor 1260 | 11096-82-5 | SW846 8082 | ND | | ug/kg | 99 | 3.8 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 73 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8081 | 81 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 82 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Tetrachloro-m-xylene | 877-09-8 | SW846 8082 | 74 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 54 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 66 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8082 | 78 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Decachlorobiphenyl | 2051-24-3 | SW846 8081 | 68 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chromium, Trivalent (a) | | SW846 6010/7196A M | 7.5 | | mg/kg | 1.2 | | 1 | 1,400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chromium, Hexavalent | 18540-29-9 | SW846 3060A/7196A | <0.40 | | mg/kg | 0.40 | | 1 | 390 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Cyanide | 57-12-5 | SW846 9012 M | <0.12 | < | mg/kg | 0.12 | | 1 | 200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Solids, Percent | | SM21 2540 B MOD. | 98 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Antimony | 7440-36-0 | SW846 6010C | 0.099 | U | mg/kg | 0.82 | 0.099 | 1 | 10 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Arsenic | 7440-38-2 | SW846 6010C | 4.6 | | mg/kg | 0.82 | 0.091 | 1 | 7 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Barium | 7440-39-3 | SW846 6010C | 20.8 | | mg/kg | 4.1 | 0.082 | 1 | 5,500 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Beryllium | 7440-41-7 | SW846 6010C | 0.14 | B | mg/kg | 0.33 | 0.021 | 1 | 0.4 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Cadmium | 7440-43-9 | SW846 6010C | 0.033 | B | mg/kg | 0.33 | 0.015 | 1 | 39 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chromium | 7440-47-3 | SW846 6010C | 7.7 | | mg/kg | 0.82 | 0.063 | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Copper | 7440-50-8 | SW846 6010C | 5.5 | | mg/kg | 2.1 | 0.12 | 1 | 3,100 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Lead | 7439-92-1 | SW846 6010C | 2.1 | | mg/kg | 0.82 | 0.12 | 1 | 150 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Manganese | 7439-96-5 | SW846 6010C | 107 | | mg/kg | 1.2 | 0.014 | 1 | 390 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Mercury | 7439-97-6 | SW846 7471A | 0.0053 | U | mg/kg | 0.03 | 0.0053 | 1 | 23 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Nickel | 7440-02-0 | SW846 6010C | 6.1 | | mg/kg | 3.3 | 0.063 | 1 | 1,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Selenium | 7782-49-2 | SW846 6010C | 0.17 | U | mg/kg | 0.82 | 0.17 | 1 | 390 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Silver | 7440-22-4 | SW846 6010C | 0.091 | U | mg/kg | 0.41 | 0.091 | 1 | 200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Thallium | 7440-28-0 | SW846 6010C | 0.091 | U | mg/kg | 0.82 | 0.091 | 1 | 6 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Vanadium | 7440-62-2 | SW846 6010C | 9.7 | | mg/kg | 0.82 | 0.12 | 1 | 550 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Zinc | 7440-66-6 | SW846 6010C | 12.3 | | mg/kg | 1.6 | 0.091 | 1 | 6,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Chlorophenol | 95-57-8 | SW846 8270C | ND | | ug/kg | 250 | 14 | 1 | 50,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4-Dichlorophenol | 120-83-2 | SW846 8270C | ND | | ug/kg | 510 | 30 | 1 | 30,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4-Dimethylphenol | 105-67-9 | SW846 8270C | ND | | ug/kg | 510 | 51 | 1 | 1,400,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4-Dinitrophenol | 51-28-5 | SW846 8270C | ND | | ug/kg | 1000 | 250 | 1 | 160,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Pentachlorophenol | 87-86-5 | SW846 8270C | ND | | ug/kg | 510 | 47 | 1 | 5,300 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Phenol | 108-95-2 | SW846 8270C | ND | | ug/kg | 250 | 42 | 1 | 6,000,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4,5-Trichlorophenol | 95-95-4 | SW846 8270C | ND | | ug/kg | 510 | 38 | 1 | 330,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4,6-Trichlorophenol | 88-06-2 | SW846 8270C | ND | | ug/kg | 510 | 35 | 1 | 58,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Acenaphthene | 83-32-9 | SW846 8270C | ND | | ug/kg | 250 | 21 | 1 | 43,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Acenaphthylene | 208-96-8 | SW846 8270C | ND | | ug/kg | 250 | 19 | 1 | 23,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Anthracene | 120-12-7 | SW846 8270C | ND | | ug/kg | 250 | 20 | 1 | 35,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzo(a)anthracene | 56-55-3 | SW846 8270C | ND | | ug/kg | 250 | 9.3 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzo(a)pyrene | 50-32-8 | SW846 8270C | ND | | ug/kg | 250 | 15 | 1 | 400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzo(b)fluoranthene | 205-99-2 | SW846 8270C | ND | | ug/kg | 250 | 30 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzo(g,h,i)perylene | 191-24-2 | SW846 8270C | ND | | ug/kg | 250 | 16 | 1 | 800 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzo(k)fluoranthene | 207-08-9 | SW846 8270C | ND | | ug/kg | 250 | 7.5 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1'-Biphenyl | 92-52-4 | SW846 8270C | ND | | ug/kg | 510 | 510 | 1 | 800 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 4-Chloroaniline | 106-47-8 | SW846 8270C | ND | | ug/kg | 510 | 130 | 1 | 310,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chrysene | 218-01-9 | SW846 8270C | ND | | ug/kg | 250 | 8.2 | 1 | 400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | bis(2-Chloroethyl)ether | 111-44-4 | SW846 8270C | ND | | ug/kg | 250 | 5.4 | 1 | 600 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | bis(2-Chloroisopropyl)ether | 108-60-1 | SW846 8270C | ND | | ug/kg | 250 | 24 | 1 | 9,100 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2-Dichlorobenzene | 95-50-1 | SW846 8270C | ND | | ug/kg | 250 | 20 | 1 | 510,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,3-Dichlorobenzene | 541-73-1 | SW846 8270C | ND | | ug/kg | 250 | 21 | 1 | 430,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,4-Dichlorobenzene | 106-46-7 | SW846 8270C | ND | | ug/kg | 250 | 21 | 1 | 27,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4-Dinitrotoluene | 121-14-2 | SW846 8270C | ND | | ug/kg | 510 | 130 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 3,3'-Dichlorobenzidine | 91-94-1 | SW846 8270C | ND | | ug/kg | 250 | 6.1 | 1 | 1,400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Dibenzo(a,h)anthracene | 53-70-3 | SW846 8270C | ND | | ug/kg | 250 | 16 | 1 | 400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Diethyl phthalate | 84-66-2 | SW846 8270C | ND | | ug/kg | 250 | 22 | 1 | 340,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Dimethyl phthalate | 131-11-3 | SW846 8270C | ND | | ug/kg | 250 | 18 | 1 | 1,900,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | bis(2-Ethylhexyl)phthalate | 117-81-7 | SW846 8270C | ND | | ug/kg | 250 | 17 | 1 | 46,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Fluoranthene | 206-44-0 | SW846 8270C | ND | | ug/kg | 250 | 8.6 | 1 | 20,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |

TABLE 3
CLEAN FILL MATERIAL VERIFICATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 143071

Including: RI Direct Exposure Residential Soil (DEM-DSR-01-93 8/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | RI ¹ Direct Exposure Residential Soil Limit | Client ID | Collected | Time |
|----------|-----------------------------|-----------|-------------|--------|------|-------|------|-------|----|---|-----------------------|-----------|-------|
| MC3036-2 | Fluorene | 86-73-7 | SW846 8270C | ND | | ug/kg | 250 | 5.6 | 1 | 28,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Hexachlorobenzene | 118-74-1 | SW846 8270C | ND | | ug/kg | 250 | 22 | 1 | 400 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Hexachlorobutadiene | 87-68-3 | SW846 8270C | ND | | ug/kg | 250 | 20 | 1 | 8,200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Hexachloroethane | 67-72-1 | SW846 8270C | ND | | ug/kg | 250 | 21 | 1 | 46,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Indeno(1,2,3-cd)pyrene | 193-39-5 | SW846 8270C | ND | | ug/kg | 250 | 16 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Methylnaphthalene | 91-57-6 | SW846 8270C | ND | | ug/kg | 250 | 21 | 1 | 123,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Naphthalene | 91-20-3 | SW846 8270C | ND | | ug/kg | 250 | 5.9 | 1 | 54,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Phenanthrene | 85-01-8 | SW846 8270C | ND | | ug/kg | 250 | 6.5 | 1 | 40,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Pyrene | 129-00-0 | SW846 8270C | ND | | ug/kg | 250 | 8.1 | 1 | 13,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2,4-Trichlorobenzene | 120-82-1 | SW846 8270C | ND | | ug/kg | 250 | 22 | 1 | 96,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Fluorophenol | 367-12-4 | SW846 8270C | 63 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Fluorophenol | 367-12-4 | SW846 8270C | 57 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Phenol-d5 | 4165-62-2 | SW846 8270C | 62 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Phenol-d5 | 4165-62-2 | SW846 8270C | 52 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 44 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2,4,6-Tribromophenol | 118-79-6 | SW846 8270C | 51 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 62 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Nitrobenzene-d5 | 4165-60-0 | SW846 8270C | 53 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 62 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Fluorobiphenyl | 321-60-8 | SW846 8270C | 67 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 77 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Terphenyl-d14 | 1718-51-0 | SW846 8270C | 82 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Acetone | 67-64-1 | SW846 8260B | ND | | ug/kg | 3.6 | 0.83 | 1 | 7,800,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Benzene | 71-43-2 | SW846 8260B | ND | | ug/kg | 0.36 | 0.089 | 1 | 2,500 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Bromodichloromethane | 75-27-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.15 | 1 | 10,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Bromoform | 75-25-2 | SW846 8260B | ND | | ug/kg | 1.4 | 0.34 | 1 | 81,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Bromomethane | 74-83-9 | SW846 8260B | ND | | ug/kg | 1.4 | 0.48 | 1 | 800 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | ug/kg | 3.6 | 0.85 | 1 | 10,000,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | ug/kg | 1.4 | 0.16 | 1 | 1,500 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | ug/kg | 1.4 | 0.067 | 1 | 210,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Chloroform | 67-66-3 | SW846 8260B | ND | | ug/kg | 1.4 | 0.11 | 1 | 1,200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2-Dibromo-3-chloropropane | 96-12-8 | SW846 8260B | ND | | ug/kg | 3.6 | 3.6 | 1 | 500 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Dibromochloromethane | 124-48-1 | SW846 8260B | ND | | ug/kg | 1.4 | 0.47 | 1 | 7,600 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2-Dibromoethane | 106-93-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.14 | 1 | 10 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1-Dichloroethane | 75-34-3 | SW846 8260B | ND | | ug/kg | 1.4 | 0.11 | 1 | 920,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | ug/kg | 1.4 | 0.10 | 1 | 900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.23 | 1 | 200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | ND | | ug/kg | 1.4 | 0.19 | 1 | 630,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | ND | | ug/kg | 1.4 | 0.18 | 1 | 1,100,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,2-Dichloropropane | 78-87-5 | SW846 8260B | ND | | ug/kg | 1.4 | 0.16 | 1 | 1,900 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Ethylbenzene | 100-41-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.093 | 1 | 71,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Isopropylbenzene | 98-82-8 | SW846 8260B | ND | | ug/kg | 3.6 | 0.11 | 1 | 27,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | p-Isopropyltoluene | 99-87-6 | SW846 8260B | ND | | ug/kg | 3.6 | 0.12 | 1 | | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Methyl Tert Butyl Ether | 1634-04-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.44 | 1 | 390,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SW846 8260B | ND | | ug/kg | 3.6 | 0.60 | 1 | 1,200,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Methylene chloride | 75-09-2 | SW846 8260B | ND | | ug/kg | 1.4 | 0.26 | 1 | 45,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Styrene | 100-42-5 | SW846 8260B | ND | | ug/kg | 3.6 | 0.36 | 1 | 13,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1,1,2-Tetrachloroethane | 630-20-6 | SW846 8260B | ND | | ug/kg | 3.6 | 0.72 | 1 | 2,200 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1,2,2-Tetrachloroethane | 79-34-5 | SW846 8260B | ND | | ug/kg | 1.4 | 0.13 | 1 | 1,300 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.12 | 1 | 12,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Toluene | 108-88-3 | SW846 8260B | ND | | ug/kg | 3.6 | 0.13 | 1 | 190,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1,1-Trichloroethane | 71-55-6 | SW846 8260B | ND | | ug/kg | 1.4 | 0.13 | 1 | 540,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | ND | | ug/kg | 1.4 | 0.18 | 1 | 3,600 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Trichloroethene | 79-01-6 | SW846 8260B | ND | | ug/kg | 1.4 | 0.14 | 1 | 13,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | ug/kg | 1.4 | 0.46 | 1 | 20 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Xylene (total) | 1330-20-7 | SW846 8260B | ND | | ug/kg | 1.4 | 0.09 | 1 | 110,000 | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 89 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | Toluene-D8 | 2037-26-5 | SW846 8260B | 87 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-2 | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 85 | | % | | | 1 | ---- | 143071-CLEAN FILL-002 | 8/24/2011 | 13:35 |
| MC3036-3 | Acetone | 67-64-1 | SW846 8260B | ND | | ug/kg | 250 | 58 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Benzene | 71-43-2 | SW846 8260B | ND | | ug/kg | 25 | 6.3 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Bromodichloromethane | 75-27-4 | SW846 8260B | ND | | ug/kg | 100 | 10 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Bromoform | 75-25-2 | SW846 8260B | ND | | ug/kg | 100 | 24 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Bromomethane | 74-83-9 | SW846 8260B | ND | | ug/kg | 100 | 34 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 2-Butanone (MEK) | 78-93-3 | SW846 8260B | ND | | ug/kg | 250 | 59 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Carbon tetrachloride | 56-23-5 | SW846 8260B | ND | | ug/kg | 100 | 11 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Chlorobenzene | 108-90-7 | SW846 8260B | ND | | ug/kg | 100 | 4.7 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Chloroform | 67-66-3 | SW846 8260B | ND | | ug/kg | 100 | 7.4 | 1 | ---- | TRIP BLANK | 8/24/2011 | 0:00 |

TABLE 3
CLEAN FILL MATERIAL VERIFICATION ANALYTICAL RESULTS

LabLink Analytical Data Report

Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 143071

Including: RI Direct Exposure Residential Soil (DEM-DSR-01-93 8/96)

| Sample | Parameter | Cas No. | Method | Result | Qual | Units | RL | MDL | DF | RI ¹ Direct Exposure Residential Soil Limit | Client ID | Collected | Time |
|----------|-----------------------------|-----------|-------------|--------|------|-------|-----|-----|----|---|------------|-----------|------|
| MC3036-3 | 1,2-Dibromo-3-chloropropane | 96-12-8 | SW846 8260B | ND | | ug/kg | 250 | 250 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Dibromochloromethane | 124-48-1 | SW846 8260B | ND | | ug/kg | 100 | 33 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,2-Dibromoethane | 106-93-4 | SW846 8260B | ND | | ug/kg | 100 | 9.6 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1-Dichloroethane | 75-34-3 | SW846 8260B | ND | | ug/kg | 100 | 7.6 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,2-Dichloroethane | 107-06-2 | SW846 8260B | ND | | ug/kg | 100 | 7.3 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1-Dichloroethene | 75-35-4 | SW846 8260B | ND | | ug/kg | 100 | 16 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | ND | | ug/kg | 100 | 14 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | ND | | ug/kg | 100 | 13 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,2-Dichloropropane | 78-87-5 | SW846 8260B | ND | | ug/kg | 100 | 11 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Ethylbenzene | 100-41-4 | SW846 8260B | ND | | ug/kg | 100 | 6.5 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Isopropylbenzene | 98-82-8 | SW846 8260B | ND | | ug/kg | 250 | 7.9 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Methyl Tert Butyl Ether | 1634-04-4 | SW846 8260B | ND | | ug/kg | 100 | 31 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SW846 8260B | ND | | ug/kg | 250 | 42 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Methylene chloride | 75-09-2 | SW846 8260B | ND | | ug/kg | 100 | 18 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Styrene | 100-42-5 | SW846 8260B | ND | | ug/kg | 250 | 25 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1,1,2-Tetrachloroethane | 630-20-6 | SW846 8260B | ND | | ug/kg | 250 | 50 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1,2,2-Tetrachloroethane | 79-34-5 | SW846 8260B | ND | | ug/kg | 100 | 8.8 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Tetrachloroethene | 127-18-4 | SW846 8260B | ND | | ug/kg | 100 | 8.4 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Toluene | 108-88-3 | SW846 8260B | ND | | ug/kg | 250 | 9.0 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1,1-Trichloroethane | 71-55-6 | SW846 8260B | ND | | ug/kg | 100 | 9.2 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | ND | | ug/kg | 100 | 13 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Trichloroethene | 79-01-6 | SW846 8260B | ND | | ug/kg | 100 | 9.8 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Vinyl chloride | 75-01-4 | SW846 8260B | ND | | ug/kg | 100 | 32 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Xylene (total) | 1330-20-7 | SW846 8260B | ND | | ug/kg | 100 | 6.3 | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Dibromofluoromethane | 1868-53-7 | SW846 8260B | 88 | | % | | | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | Toluene-D8 | 2037-26-5 | SW846 8260B | 101 | | % | | | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |
| MC3036-3 | 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | 101 | | % | | | 1 | ----- | TRIP BLANK | 8/24/2011 | 0:00 |

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

** Indicates result outside regulatory limits.

¹Project Action Limits from Addendum to Final Sampling and Analysis Plan
 For Site 07, Calf Pasture Point Source Area Investigation
 Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island

Addendum Number: 01, Dated July 2011

b Direct exposure criteria for PCBs consistent with the Toxic Substance Control Act (TSCA)

c Background Levels of Priority Pollutant Metals In Rhode Island Soils, T. O'Connor, RIDEM – For arsenic, see Section 12.0

d Direct exposure criteria for Lead consistent with the Rhode Island Department of Health Rules and Regulations for Lead Poisoning Prevention [R23-24.6-PB], as amended

TABLE 4
POST-EXCAVATION CONFIRMATION ANALYTICAL RESULTS - ROUND 1 (10/6/2011)

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | | | | WE33-SIDEWALL-001 | | | | | | WE33-SIDEWALL-002 | | | | | | WE33-SIDEWALL-003 | | | | | | WE33-SIDEWALL-004 | | | | | | WE33-SIDEWALL-005 | | | | | |
|---------------------------|-----------|------------------|---------------------------------|----------------------------------|-------------------------------------|-----------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|--|--|--|--|--|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | 92.6 | | % | | | 1 | 92.8 | | % | | | 1 | 94.4 | | % | | | 1 | 93.8 | | % | | | 1 | 94.4 | | % | | | 1 | | | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.20 | U | ug/kg | 0.40 | 0.20 | 1 | 0.2 | U | ug/kg | 0.40 | 0.20 | 1 | 0.21 | U | ug/kg | 0.42 | 0.21 | 1 | 0.21 | U | ug/kg | 0.42 | 0.21 | 1 | 0.21 | U | ug/kg | 0.43 | 0.21 | 1 | | | | | | |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 755** | E | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.40 | U | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 2.1 | | ug/kg | 1.6 | 0.40 | 1 | 1.8 | | ug/kg | 1.6 | 0.40 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | | | | | | |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | | | | | | |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 109 | | % | | | 1 | 102 | | % | | | 1 | 98 | | % | | | 1 | 97 | | % | | | 1 | 103 | | % | | | 1 | | | | | | |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 101 | | % | | | 1 | 98 | | % | | | 1 | 98 | | % | | | 1 | 97 | | % | | | 1 | 99 | | % | | | 1 | | | | | | |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 101 | | % | | | 1 | 101 | | % | | | 1 | 96 | | % | | | 1 | 96 | | % | | | 1 | 98 | | % | | | 1 | | | | | | |

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | | | | WE33-SIDEWALL-006 | | | | | | WE33-SIDEWALL-007 | | | | | | WE33-SIDEWALL-008 | | | | | | WE33-SIDEWALL-009 | | | | | | WE33-SIDEWALL-010 | | | | | |
|---------------------------|-----------|------------------|---------------------------------|----------------------------------|-------------------------------------|-----------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|-------------------|--|--|--|--|--|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | 84 | | % | | | 1 | 90.8 | | % | | | 1 | 89.4 | | % | | | 1 | 93.7 | | % | | | 1 | 93.2 | | % | | | 1 | | | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.23 | U | ug/kg | 0.46 | 0.23 | 1 | 0.35 | J | ug/kg | 0.42 | 0.21 | 1 | 0.22 | U | ug/kg | 0.44 | 0.22 | 1 | 0.21 | U | ug/kg | 0.41 | 0.21 | 1 | 0.19 | U | ug/kg | 0.37 | 0.19 | 1 | | | | | | |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 0.41 | U | ug/kg | 1.7 | 0.41 | 1 | 0.37 | U | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 0.46 | U | ug/kg | 1.8 | 0.46 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.44 | U | ug/kg | 1.8 | 0.44 | 1 | 2 | | ug/kg | 1.7 | 0.41 | 1 | 4.7 | | ug/kg | 1.5 | 0.37 | 1 | | | | | | |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.8 | U | ug/kg | 1.8 | 1.8 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.8 | U | ug/kg | 1.8 | 1.8 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.5 | U | ug/kg | 1.5 | 1.5 | 1 | | | | | | |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 110 | | % | | | 1 | 111 | | % | | | 1 | 105 | | % | | | 1 | 106 | | % | | | 1 | 102 | | % | | | 1 | | | | | | |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 98 | | % | | | 1 | 100 | | % | | | 1 | 102 | | % | | | 1 | 99 | | % | | | 1 | 99 | | % | | | 1 | | | | | | |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 98 | | % | | | 1 | 98 | | % | | | 1 | 98 | | % | | | 1 | 102 | | % | | | 1 | 104 | | % | | | 1 | | | | | | |

TABLE 4
POST-EXCAVATION CONFIRMATION ANALYTICAL RESULTS - ROUND 1 (10/6/2011)

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | | | | WE33-SIDEWALL-011 | | | | | | WE33-SIDEWALL-012 | | | | | | WE33-SIDEWALL-013 | | | | | | WE33-GRAB-014 | | | | | | WE33-GRAB-015 | | | | | |
|---------------------------|-----------|------------------|---------------------------------|----------------------------------|-------------------------------------|-----------|------|-------|------|------|----|-------------------|------|-------|------|------|-----|-------------------|------|-------|------|------|----|-------------------|------|-------|------|------|----|---------------|------|-------|------|------|----|---------------|--|--|--|--|--|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | 93.7 | | % | | | 1 | 96.3 | | % | | | 1 | 92.4 | | % | | | 1 | 93.9 | | % | | | 1 | 95.1 | | % | | | 1 | | | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.2 | U | ug/kg | 0.39 | 0.20 | 1 | 0.21 | U | ug/kg | 0.42 | 0.21 | 1 | 0.21 | U | ug/kg | 0.42 | 0.21 | 1 | 0.21 | U | ug/kg | 0.43 | 0.21 | 1 | 0.31 | U | ug/kg | 0.61 | 0.31 | 1 | | | | | | |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 2.5 | | ug/kg | 1.6 | 0.39 | 1 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 2.4 | | ug/kg | 1.7 | 0.42 | 1 | 0.43 | U | ug/kg | 1.7 | 0.43 | 1 | 0.61 | U | ug/kg | 2.5 | 0.61 | 1 | | | | | | |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 2.5 | U | ug/kg | 2.5 | 2.5 | 1 | | | | | | |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 98 | | % | | | 1 | 101 | | % | | 1 | 103 | | % | | 1 | 107 | | % | | 1 | 108 | | % | | | | 1 | | | | | | | | |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 98 | | % | | | 1 | 99 | | % | | 1 | 98 | | % | | 1 | 99 | | % | | 1 | 100 | | % | | | | 1 | | | | | | | | |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 103 | | % | | | 1 | 98 | | % | | 1 | 98 | | % | | 1 | 100 | | % | | 1 | 100 | | % | | | | 1 | | | | | | | | |

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | | | | WE33-GRAB-016 | | | | | | WE33-DUPLICATE-017 | | | | | | WE33-DUPLICATE-018 | | | | | | | | | | | |
|---------------------------|-----------|------------------|---------------------------------|----------------------------------|-------------------------------------|-----------|------|-------|------|------|----|---------------|------|-------|------|------|-----|--------------------|------|-------|------|------|----|--------------------|------|-------|----|-----|----|--|--|--|--|--|--|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | 94.3 | | % | | | 1 | 93 | | % | | | 1 | 96.6 | | % | | | 1 | | | | | | | | | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.21 | U | ug/kg | 0.42 | 0.21 | 1 | 0.19 | U | ug/kg | 0.38 | 0.19 | 1 | 0.20 | U | ug/kg | 0.41 | 0.2 | 1 | | | | | | | | | | | | |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 0.42 | U | ug/kg | 1.7 | 0.42 | 1 | 4.3 | | ug/kg | 1.5 | 0.38 | 1 | 0.41 | U | ug/kg | 1.6 | 0.41 | 1 | | | | | | | | | | | | |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.7 | U | ug/kg | 1.7 | 1.7 | 1 | 1.5 | U | ug/kg | 1.5 | 1.5 | 1 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | | | | | | | | | | | | |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 106 | | % | | | 1 | 106 | | % | | 1 | 110 | | % | | | 1 | | | | | | | | | | | | | |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 99 | | % | | | 1 | 100 | | % | | 1 | 100 | | % | | | 1 | | | | | | | | | | | | | |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 100 | | % | | | 1 | 105 | | % | | 1 | 100 | | % | | | 1 | | | | | | | | | | | | | |

** Indicates result exceeds Project Screening Level (PSL)

PSL from Draft Final Sampling and Analysis Plan, February 2011, Tetra Tech NUS, Inc.

EPA RSL - EPA Regional Screening Levels (2009)

RIDEM DEC - Rhode Island Department of Environmental Management Residential Direct Exposure Criteria (2004)

TABLE 5
 POST-EXCAVATION CONFIRMATION ANALYTICAL RESULTS - ROUND 2 (11/2/2011)

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | WE33-SIDEWALL-021 | | | WE33-SIDEWALL-022 | | | WE33-SIDEWALL-023 | | | WE33-SIDEWALL-024 | | | WE33-SIDEWALL-025 | | | | | | | | | | | | | | |
|---------------------------|-----------|------------------|------------------------------|----------------------------|-------------------------------|-----------|------|-------|-------------------|------|----|-------------------|------|-------|-------------------|------|------|-------------------|------|-------|-------------------|------|----|--------|------|-------|------|------|----|------|---|-------|------|------|---|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | 90.8 | | % | | | 1 | 91.3 | | % | | 1 | 89.1 | | % | | 1 | 89.5 | | % | | 1 | 91.5 | | % | | 1 | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.19 | U | ug/kg | 0.38 | 0.19 | 1 | 0.20 | U | ug/kg | 0.39 | 0.20 | 1 | 0.19 | U | ug/kg | 0.39 | 0.19 | 1 | 0.19 | U | ug/kg | 0.38 | 0.19 | 1 | 0.19 | U | ug/kg | 0.38 | 0.19 | 1 |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 24.3 | | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.39 | U | ug/kg | 1.6 | 0.39 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 | 0.38 | U | ug/kg | 1.5 | 0.38 | 1 |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 1.6 | | ug/kg | 1.5 | 0.38 | 1 | 2.1 | | ug/kg | 1.6 | 0.39 | 1 | 11.1 | | ug/kg | 1.6 | 0.39 | 1 | 3.4 | | ug/kg | 1.5 | 0.38 | 1 | 0.87 | J | ug/kg | 1.5 | 0.38 | 1 |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.5 | U | ug/kg | 1.5 | 1.5 | 1 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | 1.6 | U | ug/kg | 1.6 | 1.6 | 1 | 1.5 | U | ug/kg | 1.5 | 1.5 | 1 | 1.5 | U | ug/kg | 1.5 | 1.5 | 1 |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 105 | | % | | | 1 | 105 | | % | | 1 | 106 | | % | | 1 | 109 | | % | | 1 | 104 | | % | | | | | 1 | |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 103 | | % | | | 1 | 103 | | % | | 1 | 103 | | % | | 1 | 102 | | % | | 1 | 101 | | % | | | | | 1 | |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 91 | | % | | | 1 | 97 | | % | | 1 | 92 | | % | | 1 | 94 | | % | | 1 | 89 | | % | | | | | 1 | |

| Parameter | Cas No. | Method | RIDEM DEC (Residential Soil) | EPA RSL (Residential Soil) | Project Screening Level (PSL) | Sample ID | | | WE33-FIELDBLK-026 | | | WE33-TRIPBLK-027 | | | WE33-EBLK-028 | | | WE33-TRIPBLK-027 | | | | | | | | | | | | | | | | |
|---------------------------|-----------|------------------|------------------------------|----------------------------|-------------------------------|-----------|------|-------|-------------------|------|----|------------------|------|-------|---------------|-----|-----|------------------|------|-------|------|------|----|--------|------|-------|------|------|----|--|--|--|--|---|
| | | | | | | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | Result | Qual | Units | RL | MDL | DF | | | | | |
| Solids, Percent | | SM21 2540 B MOD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | 71-43-2 | SW846 8260B | 2,500 | 1,100 | 1,100 | 0.50 | U | ug/l | 0.50 | 0.50 | 1 | 13 | U | ug/kg | 25 | 13 | 1 | 0.50 | U | ug/l | 0.50 | 0.50 | 1 | 0.25 | U | ug/kg | 0.50 | 0.25 | 1 | | | | | |
| Chloroform | 67-66-3 | SW846 8260B | 1,200 | 290 | 290 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| 1,2-Dichloroethane | 107-06-2 | SW846 8260B | 900 | 430 | 430 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| 1,1-Dichloroethene | 75-35-4 | SW846 8260B | 200 | 240,000 | 240,000 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| cis-1,2-Dichloroethene | 156-59-2 | SW846 8260B | 630,000 | 160,000 | 630,000 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| trans-1,2-Dichloroethene | 156-60-5 | SW846 8260B | 1,100,000 | 150,000 | 150,000 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | SW846 8260B | 1,300 | 560 | 560 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| Tetrachloroethene | 127-18-4 | SW846 8260B | 12,000 | 550 | 550 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| 1,1,2-Trichloroethane | 79-00-5 | SW846 8260B | 3,600 | 1,100 | 1,100 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| Trichloroethene | 79-01-6 | SW846 8260B | 13,000 | 2,800 | 2,800 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 25 | U | ug/kg | 100 | 25 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 0.50 | U | ug/kg | 2.0 | 0.50 | 1 | | | | | |
| Vinyl chloride | 75-01-4 | SW846 8260B | 20 | 60 | 20 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 100 | U | ug/kg | 100 | 100 | 1 | 1.0 | U | ug/l | 1.0 | 1.0 | 1 | 2.0 | U | ug/kg | 2.0 | 2.0 | 1 | | | | | |
| Dibromofluoromethane | 1868-53-7 | SW846 8260B | | | | 98 | | % | | | 1 | 95 | | % | | 1 | 108 | | % | | 1 | 102 | | % | | 1 | 101 | | % | | | | | 1 |
| Toluene-D8 | 2037-26-5 | SW846 8260B | | | | 96 | | % | | | 1 | 100 | | % | | 1 | 102 | | % | | 1 | 101 | | % | | 1 | 101 | | % | | | | | 1 |
| 4-Bromofluorobenzene | 460-00-4 | SW846 8260B | | | | 96 | | % | | | 1 | 112 | | % | | 1 | 101 | | % | | 1 | 105 | | % | | 1 | 105 | | % | | | | | 1 |

PSL from Draft Final Sampling and Analysis Plan, February 2011, Tetra Tech NUS, Inc.
 EPA RSL - EPA Regional Screening Levels (2009)
 RIDEM DEC - Rhode Island Department of Environmental Management Residential Direct Exposure Criteria (2004)

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TABLE 6

TRANSPORTATION & DISPOSAL LOG

| Date | Manifest # | Material | Transporter | Gross Weight | Tare Weight | Net Weight | Site Scale | EQ Scale | Facility |
|---------------|------------|-----------|--------------------------|--------------|-------------|------------|---------------|---------------|-------------------------------------|
| 10/3/2011 | 009063301 | DANC Soil | TPK-7600 / EQ Northeast | 76370.00 | 31630.00 | 44740.00 | 22.37 | 23.76 | Wayne Disposal, Inc Site 2 Landfill |
| 10/3/2011 | 009063300 | DANC Soil | XDL-1620 / EQ Northeast | 75950.00 | 33700.00 | 42250.00 | 21.13 | 23.96 | Wayne Disposal, Inc Site 2 Landfill |
| 10/4/2011 | 009063299 | DANC Soil | XDM-6049 / EQ Northeast | 75250.00 | 34160.00 | 41090.00 | 20.55 | 22.16 | Wayne Disposal, Inc Site 2 Landfill |
| 10/4/2011 | 009063298 | DANC Soil | XCP-8180 / EQ Northeast | 80420.00 | 31100.00 | 49320.00 | 24.66 | 25.66 | Wayne Disposal, Inc Site 2 Landfill |
| 10/4/2011 | 009063297 | DANC Soil | XT-36187 / EQ Northeast | 76661.00 | 32100.00 | 44561.00 | 22.28 | 23.14 | Wayne Disposal, Inc Site 2 Landfill |
| 10/4/2011 | 009063296 | DANC Soil | XBK-2193 / EQ Northeast | 77750.00 | 35460.00 | 42290.00 | 21.15 | 22.06 | Wayne Disposal, Inc Site 2 Landfill |
| 10/5/2011 | 009063302 | DANC Soil | XBK-2195 / EQ Northeast | 81620.00 | 33960.00 | 47660.00 | 23.83 | 23.48 | Wayne Disposal, Inc Site 2 Landfill |
| 10/5/2011 | 009063303 | DANC Soil | XCK -9906 / EQ Northeast | 79850.00 | 35260.00 | 44590.00 | 22.30 | 23.47 | Wayne Disposal, Inc Site 2 Landfill |
| 10/5/2011 | 009063304 | DANC Soil | TPK-7600 / EQ Northeast | 77820.00 | 31560.00 | 46260.00 | 23.13 | 24.01 | Wayne Disposal, Inc Site 2 Landfill |
| 10/5/2011 | 009063306 | DANC Soil | XFK -9290 / EQ Northeast | 77330.00 | 29460.00 | 47870.00 | 23.94 | 25.00 | Wayne Disposal, Inc Site 2 Landfill |
| 10/5/2011 | 009063308 | DANC Soil | XD4-7973 / EQ Northeast | 84100.00 | 32500.00 | 51600.00 | 25.80 | 27.40 | Wayne Disposal, Inc Site 2 Landfill |
| 10/6/2011 | 009063307 | DANC Soil | XD4-7973 / EQ Northeast | 85780.00 | 35780.00 | 50000.00 | 25.00 | 25.54 | Wayne Disposal, Inc Site 2 Landfill |
| TOTAL: | | | | | | | 276.13 | 289.64 | |

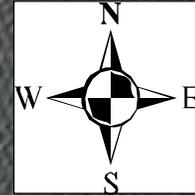
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FIGURES

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Legend

- - - LAND-USE RESTRICTION BOUNDARY
- PARCEL PROPERTY BOUNDARY



PARCEL NO. 9
(See Deed for Groundwater and Land-Use Restrictions on the Entire Parcel 9)

LOCATION OF REMOVAL ACTION

NOTE:
See Deed for Building Restrictions in Area South of this Line

ALLEN HARBOR

NARRAGANSETT BAY

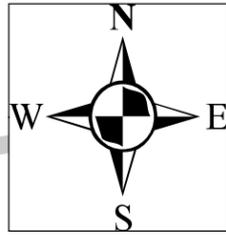


LOCATION OF REMOVAL ACTION



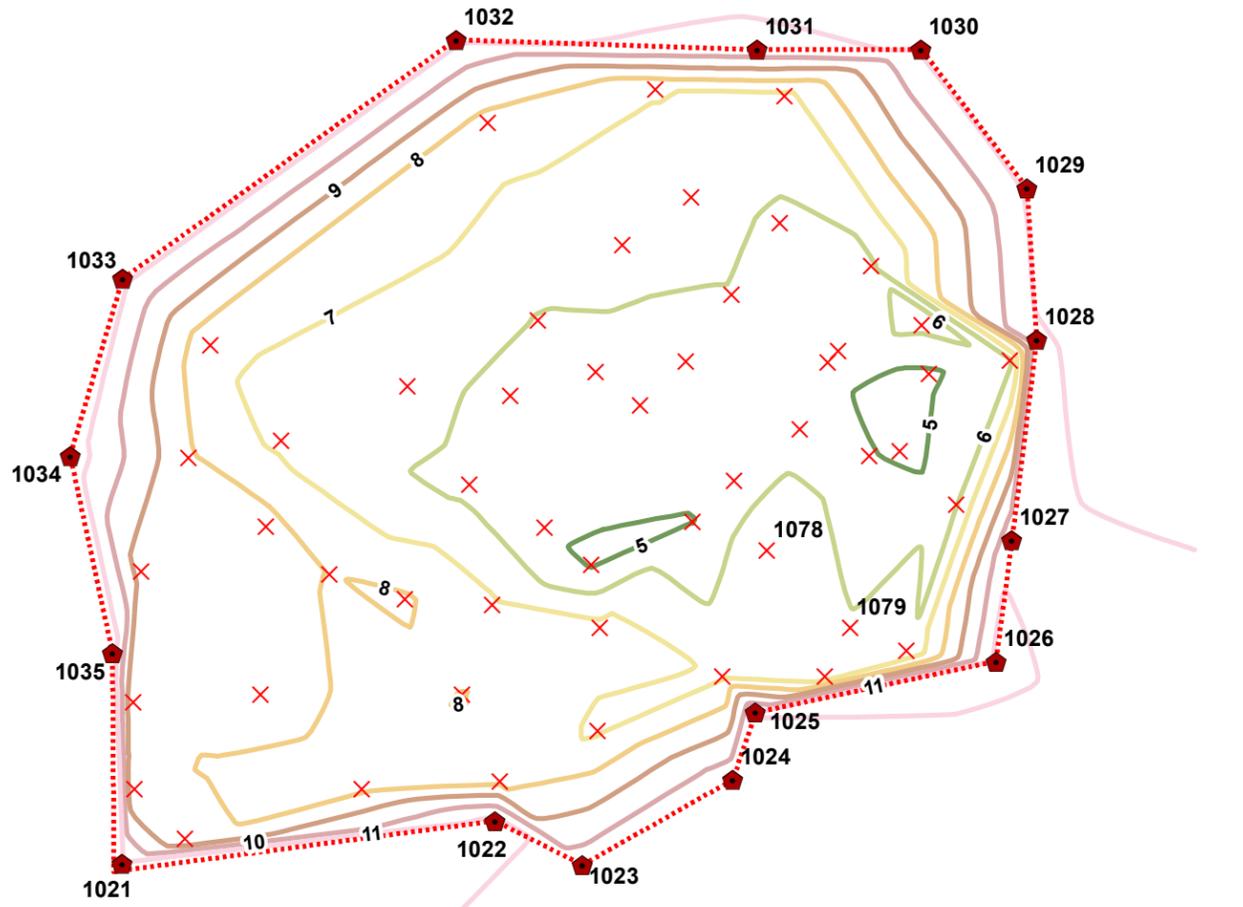
| | | | | | | |
|---|--|----------|------------|-------------|-----|------------|
| DESIGNED BY | | DS | 01/16/2012 | CHECKED BY | DS | 01/16/2012 |
| DRAWN BY | | TFR | 01/16/2012 | APPROVED BY | WLH | 01/16/2012 |
| Shaw Environmental & Infrastructure, Inc. 500 East Main Street, Suite 1630 Norfolk, Virginia 23510 | | | | | | |
| DEPARTMENT OF NAVY FORMER NCBC DAVISVILLE NAVFAC Naval Facilities Engineering Command NCBC SITE 7 SITE LOCATION | | | | | | |
| SCALE: | | AS SHOWN | | SIZE: | | 1 |
| CONTRACT TASK ORDER: WE33 | | | | | | |
| CONTRACT NO.: N62470-08-D-1007 | | | | | | |
| NAVFAC DRAWING NO. | | | | | | |
| FIGURE 1 | | | | | | |

N:\Rhodesland\NCBC_Davisville\NCBC_DavisSite7\CLfig1.mxd\teresa.robinson\NAD_1983_StatePlane_Rhode_Island_FIPS_3800_Feet



| NORTHING | EASTING | Point # |
|------------|------------|---------|
| 197742.146 | 352800.164 | 1021 |
| 197744.489 | 352820.544 | 1022 |
| 197742.088 | 352825.33 | 1023 |
| 197746.734 | 352833.56 | 1024 |
| 197750.399 | 352834.805 | 1025 |
| 197753.195 | 352847.948 | 1026 |
| 197759.806 | 352848.831 | 1027 |
| 197770.739 | 352850.177 | 1028 |
| 197779.026 | 352849.647 | 1029 |
| 197786.585 | 352843.868 | 1030 |
| 197786.566 | 352834.888 | 1031 |
| 197787.11 | 352818.407 | 1032 |
| 197774.079 | 352800.183 | 1033 |
| 197764.426 | 352797.312 | 1034 |
| 197753.658 | 352799.628 | 1035 |

NAD1983 StatePlane Rhode Island FIPS 3800 Feet



Legend

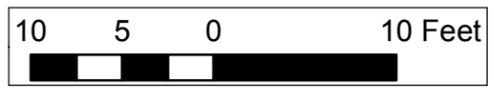
DataPoints

- ✕ Excavation Depth
- Monitoring Well
- ◆ Limits of Excavation
- ⋯ Extent of Excavation

Excavation Contours in Feet Above Average Mean Sea Level (amsl)

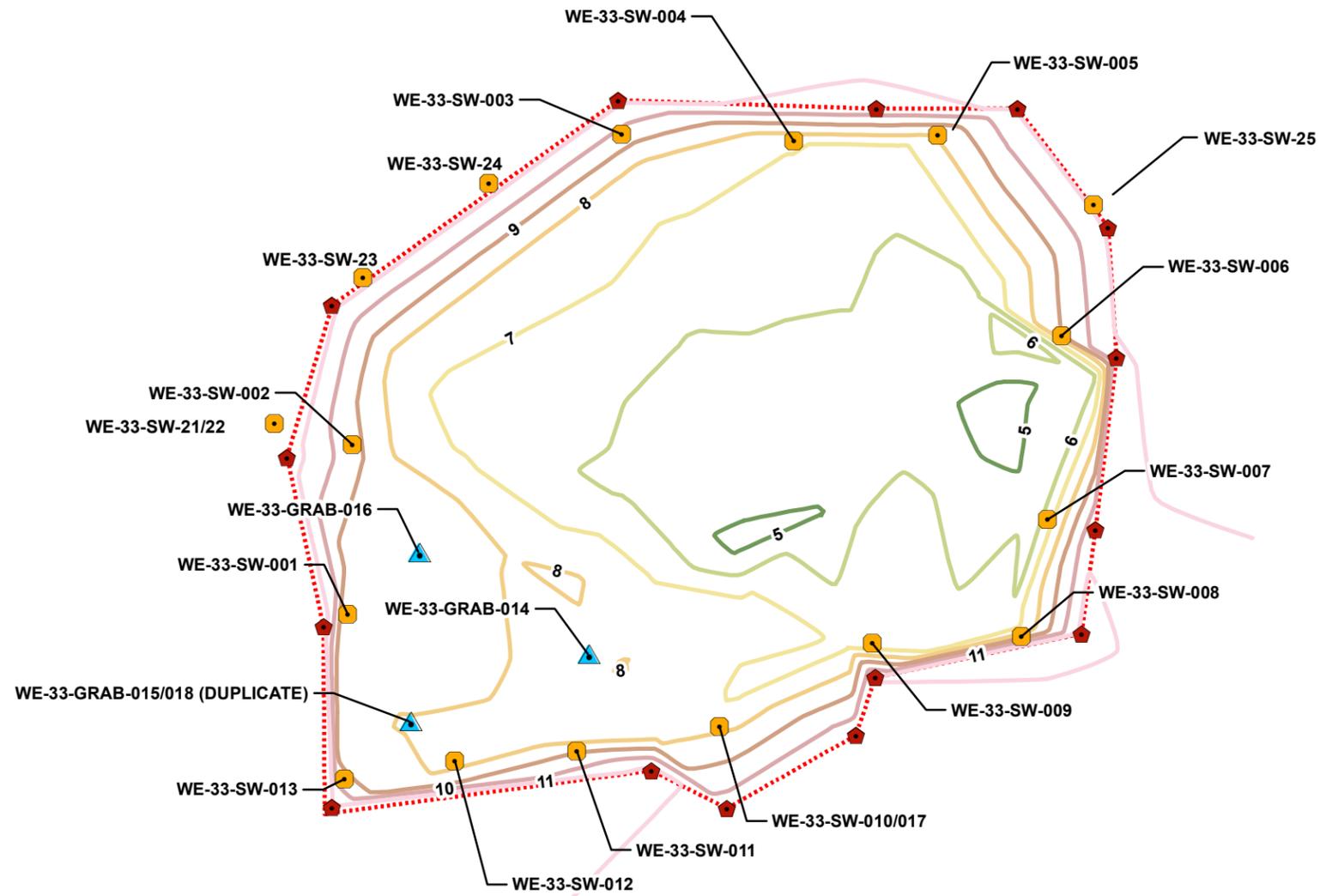
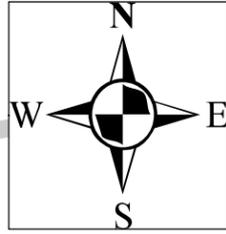
- 5
- 6
- 7
- 8
- 9
- 10
- 11

■ Dirt Road



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| | | | | | |
|---|--|-------------|--|-------------|--|
| DESIGNED BY | | CHECKED BY | | APPROVED BY | |
| MH | | MH | | MP | |
| DRAWN BY | | APPROVED BY | | REVISIONS | |
| TF | | MH | | | |
| Shaw Environmental & Infrastructure, Inc. 500 East Main Street, Suite 1630 Norfolk, Virginia 23510 | | | | | |
| | | | | | |
| REMOVAL ACTION COMPLETION REPORT DEPARTMENT OF NAVY FORMER NCBC DAVISVILLE Naval Facilities Engineering Command NCBC SITE 7 EXCAVATION AS-BUILT | | | | | |
| SCALE: AS SHOWN | | SIZE: 1 | | | |
| CONTRACT TASK ORDER: | | | | | |
| CONTRACT NO.: N62470-08-D-1007 | | | | | |
| NAVFAC DRAWING NO.: | | | | | |
| FIGURE 2 | | | | | |



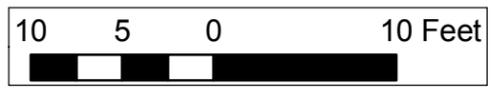
Legend

- Sidewall Sample
- ▲ Floor Sample
- ◆ Limits of Excavation
- Extent of Excavation

Excavation Contours in Feet Above Average Mean Sea Level (amsl)

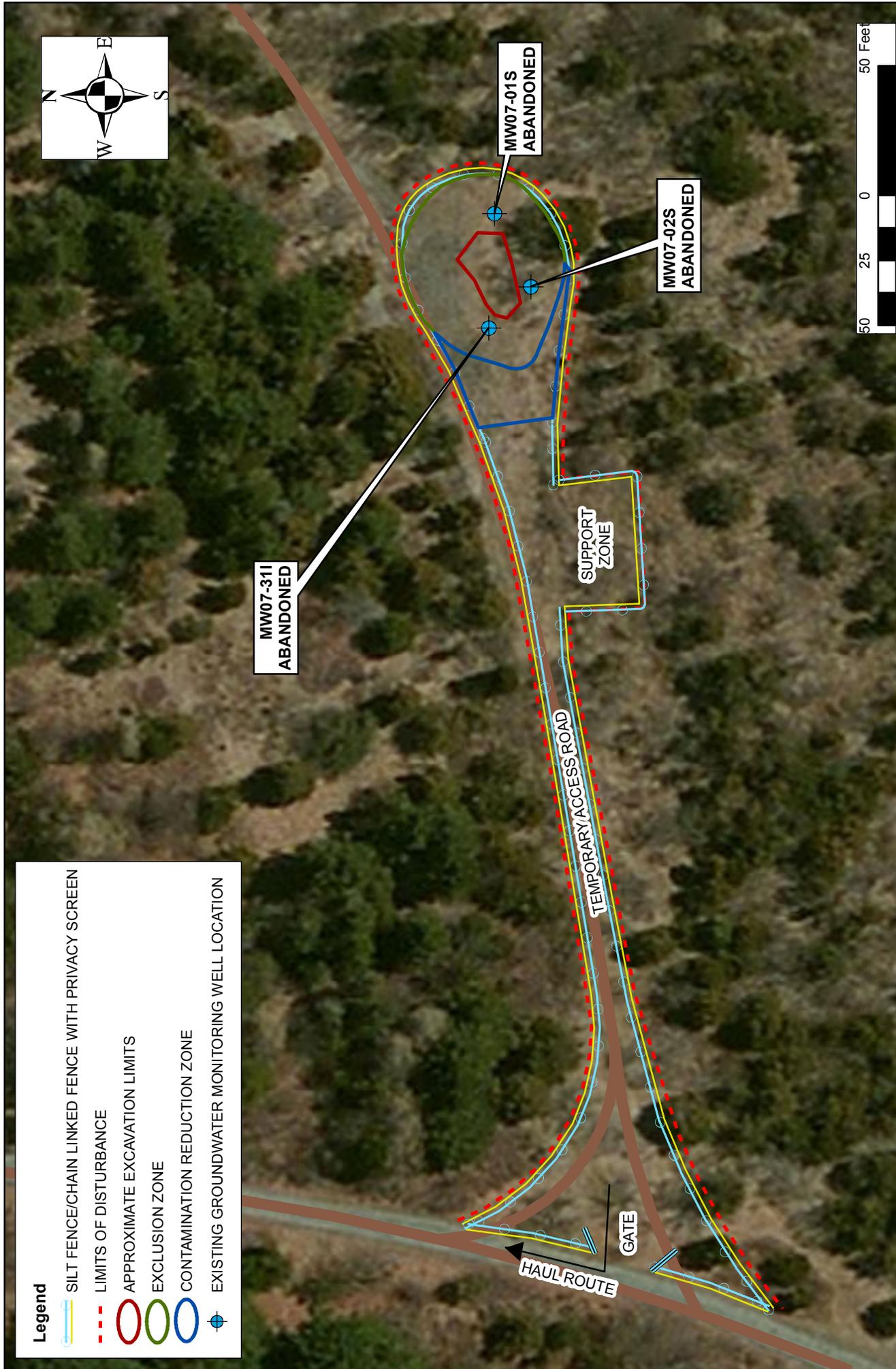
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Dirt Road



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| | | | |
|--|------------|--|-----------|
| | | Shaw Environmental & Infrastructure, Inc. 500 East Main Street, Suite 1630 Norfolk, Virginia 23510 | |
| DESIGNED BY | CHECKED BY | APPROVED BY | REVISIONS |
| MH | MH | MP | |
| TF | MP | MP | |
| | | | |
| REMOVAL ACTION COMPLETION REPORT NORTH KINGSTOWN, RHODE ISLAND NAVFAC Naval Facilities Engineering Command NCBC SITE 7 SAMPLE LOCATIONS | | | |
| SCALE: AS SHOWN | | SIZE: 1 | |
| CONTRACT TASK ORDER: | | | |
| CONTRACT NO.: N62470-08-D-1007 | | | |
| NAVFAC DRAWING NO.: | | | |
| FIGURE 3 | | | |



Legend

- SILT FENCE/CHAIN LINKED FENCE WITH PRIVACY SCREEN
- LIMITS OF DISTURBANCE
- APPROXIMATE EXCAVATION LIMITS
- EXCLUSION ZONE
- CONTAMINATION REDUCTION ZONE
- EXISTING GROUNDWATER MONITORING WELL LOCATION

| | | | |
|---|----------|--|----|
| DEPARTMENT OF NAVY REMOVAL ACTION COMPLETION REPORT NORTH KINGSTOWN, RHODE ISLAND FORMER NCBC DAVISVILLE NAVAFAC NCBC SITE 7 SITE LAYOUT MAP | | Shaw Environmental & Infrastructure, Inc. 500 East Main Street, Suite 1630 Norfolk, Virginia 23510 | |
| SCALE: | AS SHOWN | SIZE: | 1 |
| CONTRACT TASK ORDER: | | WE33 | |
| CONTRACT NO.: | | N62470-08-D-1007 | |
| NAVAFAC DRAWING NO. | | | |
| DESIGNED BY | DS | CHECKED BY | DS |
| DRAWN BY | TFR | APPROVED BY | DS |
| | | REVISIONS | |

FIGURE 4

APPENDIX A

PROJECT SCHEDULE

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| Activity ID | Activity Name | Original Duration | Remaining Duration | Activity % Complete | Start | Finish | 2012 | | | | | | | | | | | | 2013 | | | | | | | | | | | | 2014 | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------|--------------------|---------------------|-------------|-------------|-------------------------------------|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WE33- Removal Action Site 7 NCBC, Davisville RI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT START | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1030 | CTO Award (Pre-Priced Options) | 0 | 0 | 100% | 09-Jun-11 A | | ward (Pre-Priced Options) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1110 | Proposal Prep | 1 | 0 | 100% | 18-Jul-11 A | 18-Jul-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WORK PLANNING ACTIVITIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1040 | Design Review/ Site Visit | 1 | 0 | 100% | 16-Jun-11 A | 16-Jun-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1050 | Work Plan Prep | 1 | 0 | 100% | 29-Jul-11 A | 29-Jul-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1060 | Document Design Review | 10 | 0 | 100% | 01-Aug-11 A | 12-Aug-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1070 | Draft Work Plan Address Comments | 5 | 0 | 100% | 15-Aug-11 A | 19-Aug-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1080 | Final Work Plan Submittal | 1 | 0 | 100% | 29-Aug-11 A | 09-Sep-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1180 | Pre-Construction Meeting | 1 | 0 | 100% | 26-Sep-11 A | 26-Sep-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD ACTIVITIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2050 | Waste Characterization/ Clean Fill Sampling | 1 | 0 | 100% | 23-Aug-11 A | 23-Aug-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2060 | Mobilization | 1 | 0 | 100% | 26-Sep-11 A | 26-Sep-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2070 | Site Set-Up | 5 | 0 | 100% | 26-Sep-11 A | 30-Sep-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2080 | Soil Excavation | 4 | 0 | 100% | 03-Oct-11 A | 06-Oct-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2090 | Transport & Disposal | 4 | 0 | 100% | 03-Oct-11 A | 06-Oct-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2100 | Confirmation Sampling - Round 1 | 1 | 0 | 100% | 06-Oct-11 A | 06-Oct-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2110 | Confirmation Sampling - Round 2 | 1 | 0 | 100% | 02-Nov-11 A | 02-Nov-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2120 | Backfill/ Site Restoration | 3 | 0 | 100% | 07-Oct-11 A | 11-Oct-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2130 | Demobilization | 1 | 0 | 100% | 11-Oct-11 A | 11-Oct-11 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLOSEOUT ACTIVITIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1990 | Post Construction Submittals | 119 | 0 | 100% | 11-Oct-11 A | 10-Oct-12 A | [Gantt bar: 11-Oct-11 to 10-Oct-12] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2010 | Draft Completion Report/ Submittal | 36 | 0 | 100% | 11-Oct-11 A | 30-Apr-12 A | [Gantt bar: 11-Oct-11 to 30-Apr-12] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2020 | Draft Completion Report/ Government Review | 6 | 0 | 100% | 01-May-12 A | 30-Jul-12 A | [Gantt bar: 01-May-12 to 30-Jul-12] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2030 | Draft Completion Report/ Comments | 4 | 0 | 100% | 31-Jul-12 A | 24-Aug-12 A | [Gantt bar: 31-Jul-12 to 24-Aug-12] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2040 | Final Completion Report/ Submittal | 1 | 0 | 100% | 27-Aug-12 A | 12-Oct-12 A | [Gantt bar: 27-Aug-12 to 12-Oct-12] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2140 | Field Supervision | 12 | 0 | 100% | 26-Sep-11 A | 11-Oct-11 A | [Gantt bar: 26-Sep-11 to 11-Oct-11] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2150 | Home Office Management | 132 | 119 | 9.85% | 09-Jun-11 A | 22-Mar-13 | [Gantt bar: 09-Jun-11 to 22-Mar-13] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2160 | Procurement | 12 | 0 | 100% | 16-Jun-11 A | 11-Oct-11 A | [Gantt bar: 16-Jun-11 to 11-Oct-11] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2170 | Travel/ Lodging/ Per Diem | 12 | 0 | 100% | 26-Sep-11 A | 11-Oct-11 A | [Gantt bar: 26-Sep-11 to 11-Oct-11] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ ◆ Milestone

WE33- Removal Action Site 7 NCBC, Davisville RI

As of 30-Sep-12



| Activity ID | Activity Name | Original Duration | Remaining Duration | Activity % Complete | Start | Finish | 2012 | | | 2013 | | | 2014 | | |
|-------------|-----------------|-------------------|--------------------|---------------------|-------------|-------------|------|-----|-----|------|-----|-----|------|-----|-----|
| | | | | | | | Jan | Feb | Mar | Jan | Feb | Mar | Jan | Feb | Mar |
| A2180 | Equipment/ FOGM | 10 | 0 | 100% | 30-Sep-11 A | 13-Oct-11 A | | | | | | | | | |



- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- Milestone

WE33- Removal Action Site 7 NCBC, Davisville RI

As of 30-Sep-12



APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

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Photograph 1. Installed silt fence surrounding the site.



Photograph 2. Delineation of work zones



Photograph 3. Contamination Reduction Zone



Photograph 4. Waste load-out activities in Level B PPE



Photograph 5. Waste load-out and temporary access roadway.



Photograph 6. Weighing haul truck on portable site scales.



Photograph 7. DANC containers and debris



Photograph 8. DANC containers and debris



Photograph 9. Completed excavation with groundwater encountered



Photograph 10. Completed excavation with adjacent staged clean fill sand



Photograph 11. Installation of permeable marker liner in completed excavation.



Photograph 12. Grading to meet surrounding elevations



Photograph 13. Excavation backfilling activities



Photograph 14. Site restored with wood chippings and erosion control matting

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APPENDIX C

QUALITY CONTROL DOCUMENTATION

C1 – Contractor Quality Control Reports

C2 – Contractor Production Reports

C3 – Precon Meeting Minutes and Sign in Sheet

Note: In an effort aimed at reducing both paper consumption and the physical size of this report, this appendix is only included in the electronic file on the CD attached to this Completion Report.

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APPENDIX C
QUALITY CONTROL DOCUMENTATION

C1 – Contractor Quality Control Reports

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| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. | 001 |
|--|---|---|---|--|---|
| Shaw Environmental and Infrastructure, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date | 8/22/2011 |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: Received equipment and completed subsurface utility scan. DigSafe ticket # 20113406757. | | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | Mike Harrison QC MANAGER | 8/22/2011 DATE |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE | |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | | | | DATE | |

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| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. | 002 |
|--|---|-------------------------------------|---|---|-------------------|
| Shaw Environmental and Infrastructure, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date | 8/23/2011 |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) Draft Work Plan submitted, but not approved as Final. ROICC and RPM approved Shaw to conduct these preliminary waste characterization samples. Air cylinders stored upright and secured. Collected samples are labeled, contained, and kept on ice. Site work zones and controls established DigSafe marked utilities and issued a ticket #. Three (3) 5-point composite samples are to be collected for waste disposal characterization. For each, a discrete grab will be collected for VOC analysis. Employees fit tested prior to donning Level B PPE Employees reviewed and signed off on AHA. | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| TESTING PERFORMED & WHO PERFORMED TEST | | | | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) TESTING PERFORMED & WHO PERFORMED TEST | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: DigSafe ticket # 20113406757. The 3rd sample will be collected tomorrow morning. | | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | Mike Harrison QC MANAGER | 8/23/2011 DATE |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE | |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | | |
| | | | | GOVERNMENT QUALITY ASSURANCE MANAGER | DATE |

| CONTRACTOR QUALITY CONTROL REPORT Shaw Environmental and Infrastructure, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Report No. 003 Date 8/24/2011 | |
|--|---|---|---|--|--|
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | The 3rd 5-pt composite waste disposal characterization sample was collected from 4-6 ft bgs. A discrete grab was collected from one of the 5 points for VOC analysis. The site was restored and secured prior to demobilizing. | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: DigSafe ticket # 20113406757. | | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | Mike Harrison QC MANAGER | |
| | | | | 8/24/2011 DATE | |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE | |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | | |
| | | | | GOVERNMENT QUALITY ASSURANCE MANAGER | |
| | | | | DATE | |

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33

Report No. 001

Date: 26 Sept 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
|--------------------|---|-------------------------------------|--------------------------|--|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) SITE 7 REMOVAL ACTION Attendees: Shaw PM - Mark Pisacik Shaw H&S - Michael Harrison Shaw SS/QC - Cano Hernandez Shaw Scientist - Jen Gailey Shaw Field Crew - N. Kingston Police Dept. - Officer (CONTINUE ON PAGE 2) | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |
| INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) | TESTING PERFORMED & WHO PERFORMED TEST |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

REMARKS:

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

26-Sep-11

DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE

| CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. # 33 | | | Report No.'001 Date: 26 sept 11 | |
|--|---|-------------------------------------|------------------------------------|--|
| (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | |
| PHASE | (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3.2 MOBILIZATION AND SITE PREPARATION Shaw will mobilize all personnel, equipment and materials necessary to safely and efficiently complete the required project tasks. Rental equipment and temporary facilities will be mobilized from local vendors. These facilities will be staged at approved locations determined at the pre-construction meeting. All equipment and materials will be locked/secured at the end of each working day. |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | 3.3 SITE SETUP Site setup will include clearing and grubbing, installation of a temporary access roadway, staging and setting up all temporary facilities, site controls, and E&S controls prior to commencing removal efforts. |
| | | | | 3.3.1 Clearing and Grubbing To enable heavy equipment and vehicle access to the excavation area, negative clearing will be required in order to create a temporary access roadway between the unpaved roadway and the proposed excavation area, and to create an obstruction free work area to enable equipment and personnel movement around the excavation area. Cleared vegetation will be mulched on site and the resulting mulch will be used to restore the disturbed areas. |
| | | | | 3.3.2 Temporary Access Roadway A temporary access roadway (FIGURE 2) approximately 150 feet long will be installed to enable haul truck access from the unpaved roadway to the excavation area. This roadway will be constructed using a six inch lift of crushed stone placed on top of six ounce geotextile. Crushed stone will also be placed in ruts and potholes along the approximate 1/4 mile unpaved roadway to minimize the potential for tracking mud on the paved roadway. The access road will be removed upon project completion and the area will be restored. |
| | | | | 3.3.3 Temporary Facilities Temporary facilities will be mobilized from local vendors whenever possible. Since the site trailer is all ready established the only temporary facilities will include breathing air equipment and porta-a-jons that will be staged in an approved location adjacent to the site. |
| | | | | 3.3.4 Site Controls Site controls will include installation of temporary chain link fencing with privacy screen and signage around the perimeter of the site. Within the site, high visibility fencing and signage will be installed to delineate the various work zones, (exclusion zone, contamination reduction zone, and support zone) as shown in Figure 3 The contamination reduction zone will require stations set up for Personal Protective Equipment (PPE) donning/doffing and decontamination. Local law enforcement will be engaged to help ensure public safety for any vehicle, pedestrian and bicycle traffic who use the unpaved road near the site to access the local waterways. This unpaved road will be used as a truck route for transportation |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

| PHASE | (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | TESTING PERFORMED & WHO PERFORMED TEST |
|----------------|--|--------------------------|--------------------------|--|--|
| INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

(BLANK NOT APPLICABLE)

YES

NO

IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT

WORK COMPLIES WITH
CONTRACT AS APPROVED
INITIAL PHASE

WORK COMPLIES WITH
SAFETY REQUIREMENTS

TESTING PERFORMED & WHO PERFORMED
TEST

FOLLOW-UP

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33

Report No. 002

Date: 27 Sept 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
|--|---|-------------------------------------|-------------------------------------|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Shaw crew continues to perform clearing and grubbing operation Shaw continues the chipping operation | | | |

TESTING PERFORMED & WHO PERFORMED TEST

TESTING PERFORMED & WHO PERFORMED TEST

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

REMARKS:

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

27-Sep-11

DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33

Report No. 003

Date: 28 Sept 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
|--|---|-------------------------------------|--------------------------|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | <p>Shaw crew continues to perform clearing and grubbing operation</p> <p>Shaw continues the chipping operation</p> <p>Used the Walk Behind trencher to excavate trench for the silt fence</p> <p>Filled in two spots on haul road to enable truck traffic</p> | | | |

| |
|--|
| TESTING PERFORMED & WHO PERFORMED TEST |
| |
| TESTING PERFORMED & WHO PERFORMED TEST |
| |

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

REMARKS:

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

28-Sep-11

DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT: N62470-08-D-1007 T.O. WE33

Report No. 003

Date: 29 Sept 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
|--|---|-------------------------------------|-------------------------------------|--|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) 3.4 MONITORING WELL ABANDONMENT ATTENDEES: Shaw Scientist - Jen Gailey Drilllex Crew At Site 7 three (3) wells will be abandoned. (MW07-311, MW07-02S, and MW07-01S The abandonment will be performed according to Rhode Island Department of Environmental Management's Quality Rules | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) 3.3.4 Site Controls crew is installing est. 600 lf of chain link fence with privacy screen 3.3.2 Temporary Access Road was installed with 6 oz geotextile and six (6) inch lift of crushed stone to enable access from the unpaved road to the excavating area Shaw crew installed a breathing air cylinder on the 320 Cat excavator and tested the unit for ten minutes Shaw crew installed est. 600 lf of silt fence | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

REMARKS:

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

29-Sep-11

DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33

Report No. 005

Date: 30 Sept 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
|--|--|-------------------------------------|--------------------------|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Shaw crew removed the existing chain link fence at propped excavation area and placed it at the Tetra Tec trailer area Fueled equipment | | | |
| | | | | TESTING PERFORMED & WHO PERFORMED TEST |
| | | | | TESTING PERFORMED & WHO PERFORMED TEST |

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

REMARKS:

Visitor:
Mabbett & Associates, Inc. - Andrew M. Glucksman

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

30-Sep-11

DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE MANAGER

DATE

CONTRACTOR QUALITY CONTROL REPORT

Shaw Environmental, Inc. CONTRACT: N62470-08-D-1007 T.O. WE33

Report No. 006 pg 1 of 2
Date: 3 Oct. 11

| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
|--|---|-------------------------------------|-------------------------------------|--|--|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) 3.5 SOIL/DEBRIS EXCAVATION AND REMOVAL ATTENDEES: Shaw Site Manager - Cano Hernandez Shaw Site H&S - Michael Harrison Shaw Scientist - Jen Gailey Shaw Crew EQ Northeast Inc. - M. Joseph Norton CONTINUE ON PG 2 | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | Portable Scales | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Tested by: Jen Gailey Dan Silvia | |
| TEST RESULTS ARE ACCEPTABLE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) Shaw inspecting dump truck when entering work site. Operator is in Level B PPE while he is excavating soil and loading the dump trucks. Shaw tech is cleanig the side of the dump truck before leaving the site Shaw tech is using a ladder to attach the truck bed bows Shaw tech is installing the tarp over the dump truck before leaving the site Dump truck is being weighed on the portable scales | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

| | |
|--|---|
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) |
|--|---|

REMARKS:

Visitor:
EQ Northeast, Inc - M. Joseph Norton

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

3-Oct-11
DATE

| | |
|--|------|
| GOVERNMENT QUALITY ASSURANCE REPORT | DATE |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | DATE |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET
Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. # 33

Report No.'06 pg 2 of 2
 Date: 3 Oct 11

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

| (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
|---|-------------------------------------|--------------------------|---|
| PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <p align="center">3.5 SOIL/DEBRIS EXCAVATION AND REMOVAL</p> <p>Shaw will excavate and remove hazardous waste DANC containers, container debris, and visually impacted soil from an approximately twenty by thirty foot area to a maximum of ten feet deep at Site 7. Based on these dimensions, it is estimated that approximately 350 tons of waste will be removed. Shaw will utilize a Cat 320 excavator to conduct the excavation and load-out activities. The waste materials will be excavated and direct loaded into liquid tight haul trucks suitable for containing and transporting hazardous waste materials</p> <p>The removal process will entail haul trucks backing into the exclusion zone with the assistance of a spotter. Prior to backing into the exclusion zone, tare weight for each truck will be obtained with a portable scale and the trucks will be inspected to ensure they meet Department of Transportation requirements for safely transporting hazardous waste materials.</p> <p>An inspection check list will be completed and maintained for each truck arriving on site. Once the truck is in position, the driver will exit the truck and leave the exclusion zone while the truck is being loaded and obtain the required manifest documentation.</p> <p>During excavation and /or load-out, only Shaw personnel in Level B PPE will be authorized in the exclusion zone.</p> <p>Air Monitoring will be conducted by the SSHO as required during excavation and load-out activities. Once the truck is loaded, ground personnel in Level B PPE will brush off any soil from the truck side rails and elsewhere as needed and tarp the load. Once the truck has been dry decontaminated and the tarp has been placed, the truck driver will return to the truck and depart from the exclusion zone.</p> <p>Each truck will then be weighed using portable scales prior to leaving the site. The process will be repeated until excavation of the material is complete.</p> <p align="center">3.6 TRANSPORTATION AND DISPOSAL</p> <p>Soils and debris that have been excavated will be transported to an approved disposal facility. It is anticipated approximately 350 tons of DANC containers, container debris, and impacted soils will be transported as hazardous waste. The spent PPE will be disposed of with the DANC debris and impacted soils. It is assumed that the waste will be suitable for disposal at a Resource Conservation and Recovery Act, Subtitle C - Hazardous Waste disposal facility.</p> |
| THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

PREPARATORY

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

| PHASE | (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | TESTING PERFORMED & WHO PERFORMED TEST |
|-------|--|--------------------------|--------------------------|--|--|
| | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |

INITIAL

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

(BLANK NOT APPLICABLE)

YES

NO

IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT

WORK COMPLIES WITH
CONTRACT AS APPROVED
INITIAL PHASE

WORK COMPLIES WITH
SAFETY REQUIREMENTS

TESTING PERFORMED & WHO PERFORMED
TEST

FOLLOW-UP

| | | |
|--|--|-----------------|
| | CONTRACTOR QUALITY CONTROL REPORT | Report No. 007 |
| | Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | Date: 4 Oct. 11 |

| | | | | |
|-------|--------------------------|-----|----|--|
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
|-------|--------------------------|-----|----|--|

| | | | | |
|--------------------|---|--------------------------|--------------------------|---|
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | | | | |
|----------------|--|--------------------------|--------------------------|---|--|
| INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) | TESTING PERFORMED & WHO PERFORMED TEST |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |

| | | | | | |
|------------------|---|-------------------------------------|--------------------------|--|--|
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) Shaw inspecting dump truck when entering work site. | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | <p>Operator is in Level B PPE while he is excavating soil and loading the dump trucks.</p> <p>Shaw tech is cleanig the side of the dump truck before leaving the site</p> <p>Shaw tech is using a ladder to attach the truck bed bows</p> <p>Shaw tech is installing the tarp over the dump truck before leaving the site</p> <p>Dump truck is being weighed on the portable scales when it enters the site and after the truck is loaded</p> <p>Four trucks loaded with DANC today</p> | | | | |

| | |
|--|---|
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) |
|--|---|

REMARKS:

Visitor:
EQ Northeast, Inc - M. Joseph Norton
Mabbott/Epa - Andrew Giluckman

On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Cano Hernandez
QC MANAGER

4-Oct-11
DATE

| | |
|--|------|
| GOVERNMENT QUALITY ASSURANCE REPORT | DATE |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | DATE |

| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. 008 |
|--|---|---|--------------------------|---|
| Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date: 5 Oct. 11 |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) TRANSPORTER - US BULK TRANSPORT, INC Shaw inspecting dump truck when entering work site. Operator is in Level B PPE while he is excavating soil and loading the dump trucks. Shaw tech is cleaning the side of the dump truck before leaving the site Shaw tech is using a ladder to attach the truck bed bows Shaw tech is installing the tarp over the dump truck before leaving the site Dump truck is being weighed on the portable scales when it enters the site and after the truck is loaded Five trucks were loaded with DANC and are going to WAYNE DISPOSAL, INC SITE 2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 (800) 592 - 5489 |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: | | | | |
| Visitor: EQ Northeast, Inc - M. Joseph Norton Mabbott/Epa - Andrew Gilucksman | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | 5-Oct-11 |
| Cano Hernandez | | | | DATE |
| QC MANAGER | | | | DATE |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | |
| | | | | DATE |
| GOVERNMENT QUALITY ASSURANCE MANAGER | | | | DATE |

| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. 009 pg 1of2 | |
|--|---|-------------------------------------|---|---|--|
| Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date: 6 Oct. 11 | |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) 3.7 SAMPLING AND ANALYSIS Attendees: Shaw Scientist - Jen Gailey Shaw SS - Cano Hernandez Shaw Field Crew Continue on pg 2 | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Volatile Organic Compounds (VOC) Accutest Lab | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) Shaw inspecting dump truck when entering work site. Operator is in Level B PPE while he is excavating soil and loading the dump trucks. Shaw tech is cleaning the side of the dump truck before leaving the site Shaw tech is using a ladder to attach the truck bed bows Shaw tech is installing the tarp over the dump truck before leaving the site Dump truck is being weighed on the portable scales when it enters the site and after the truck is loaded One trucks was loaded with DANC and is going to WAYNE DISPOSAL, INC SITE 2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 (800) 592 - 5489 Excavation is complete | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: | | | | | |
| Visitor: EQ Northeast, Inc - M. Joseph Norton NAVFAC FEAD - Robert Krivnskas | | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | Cano Hernandez QC MANAGER | |
| | | | | 6-Oct-11 DATE | |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE | |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | | |
| | | | | GOVERNMENT QUALITY ASSURANCE MANAGER DATE | |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET
Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. # 33

Report No.'09 pg 2 of 2
 Date: 6 Oct 11

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

(BLANK NOT APPLICABLE) YES NO

IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT

| | | |
|--|-------------------------------------|--------------------------|
| PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| THE SUBMITTALS HAVE BEEN APPROVED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> |
| MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> |
| PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TESTING PLAN HAS BEEN REVIEWED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

3.7 Sampling and Analysis

Once all excavated material has been transported off-site, Shaw will collect confirmation floor and sidewall samples. The confirmatory sampling protocol is designed to ensure that the remediation objective of reducing the risk to human health and the environment is met. The confirmatory sampling protocol is as follows

- * Ten (10) discrete grab samples (1 per 10 linear feet) to be collected from the sidewalls within the excavation limits. Samples will be collected from a depth of approximately six to twelve inches above the excavation floor or water table as appropriate
- * One discrete grab soil sample will be collected from the bottom of the excavation at one per 100 square feet (6 total)

If the excavation is inundated with groundwater, the floor samples will not be necessary. Confirmatory samples will be analyzed against the contaminants of concern and the project remedial goal (RGs). All sample locations will be documented within a sample log book, and located with hand held GPS data collector, a total robotic station survey unit, or other device capable of recording a location with an accuracy of +/- 1 Meter.

PREPARATORY

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

| PHASE | (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | TESTING PERFORMED & WHO PERFORMED TEST |
|---------|--|--------------------------|--------------------------|--|--|
| | | | | | |
| INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

| | | | | |
|---|--------------------------|--------------------------|--|--|
| (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | TESTING PERFORMED & WHO PERFORMED TEST |
| WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |

FOLLOW-UP

| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. 010pg 1of2 | |
|--|---|-------------------------------------|---|--|--|
| Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date: 7 Oct. 11 | |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) 3.8 BACKFILLING AND SITE RESTORATION Attendees: Shaw SS - Cano Hernandez Shaw Field Crew Continue on pg 2 | |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORKMANSHIP IS SATISFACTORY | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| TEST RESULTS ARE ACCEPTABLE. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) Shaw placing permeable marker liner to identify the excavation extents Placed clean fill material in the excavation area Compacting fill material with excavator bucket | TESTING PERFORMED & WHO PERFORMED TEST |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: | | | | | |
| Visitor: NO VISITORS | | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | | |
| | | | Cano Hernandez | 7-Oct-11 | |
| | | | QC MANAGER | DATE | |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE | |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | | |
| | | | | DATE | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | | | | DATE | |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET
Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. # 33

Report No.'10 pg 2 of 2
 Date: 7 Oct 11

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

| (BLANK NOT APPLICABLE) | YES | NO |
|---|-------------------------------------|--------------------------|
| PLANS AND SPECS HAVE BEEN REVIEWED | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| THE SUBMITTALS HAVE BEEN APPROVED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> |
| MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> |
| PRELIMINARY WORK WAS DONE CORRECTLY. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| TESTING PLAN HAS BEEN REVIEWED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| WORK METHOD AND SCHEDULE DISCUSSED. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT

3.8BACKFILLING AND SITE RESTORATION

Following all excavation and confirmatory sampling activities, Shaw will place a permeable marker liner in the excavation to identify the excavation extents. The excavation extents will be located and recorded using the same method as used to record the sample locations.

Once the liner is placed and survey activities are complete, Shaw will receive, place, and compact approved clean fill material in in the excavation utilizing the excavator bucket.

The material will be stockpiled near the excavation and the excavator will place and compact the fill material to meet the surrounding grade.

PREPARATORY

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

| PHASE | (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | TESTING PERFORMED & WHO PERFORMED TEST |
|---------|--|--------------------------|--------------------------|--|--|
| | | | | | |
| INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | SAMPLE HAS BEEN PREPARED/APPROVED | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORKMANSHIP IS SATISFACTORY | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | TEST RESULTS ARE ACCEPTABLE. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK IS IN COMPLIANCE WITH THE CONTRACT. | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | | | | | |

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

Shaw Environmental, Inc. CONTRACT:N62470-02-D-3260 T.O. #

Report No.

Date

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

PHASE

| | | | | |
|------------------------|-----|----|--|--|
| (BLANK NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT | |
|------------------------|-----|----|--|--|

| | | |
|---|--------------------------|--------------------------|
| WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|

| | | |
|--|--------------------------|--------------------------|
| WORK COMPLIES WITH SAFETY REQUIREMENTS | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|

TESTING PERFORMED & WHO PERFORMED TEST

FOLLOW-UP

| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. 010 |
|--|--|---|--------------------------|--|
| Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date: 10 Oct. 11 |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | Shaw removing stone from construction entrance and disposed of geotextile in roll off as construction debris Began site cleanup Began removal of all temporary structures and equipment Spread seed to all disturbed areas Place ECS erosion matting on the portion that was excavated Spread mulch over the temporary access road Ready for Final Walk Thru | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: | | | | |
| Visitor: | | | | |
| No Visitors | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | |
| Cano Hernandez | | | | 10-Oct-11 |
| QC MANAGER | | | | DATE |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | | | | DATE |

| CONTRACTOR QUALITY CONTROL REPORT | | | | Report No. 011 |
|--|---|---|--------------------------|--|
| Shaw Environmental, Inc. CONTRACT:N62470-08-D-1007 T.O. WE33 | | | | Date: 11 Oct. 11 |
| PHASE | (BLANK - NOT APPLICABLE) | YES | NO | IDENTIFY DEFINABLE FEATURE OF WORK, SPECIFICATION SECTION, LOCATION AND LIST PERSONNEL PRESENT |
| PREPARATORY | PLANS AND SPECS HAVE BEEN REVIEWED | <input type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | THE SUBMITTALS HAVE BEEN APPROVED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS COMPLY WITH APPROVED SUBMITTALS | <input type="checkbox"/> | <input type="checkbox"/> | |
| | MATERIALS STORED PROPERLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | PRELIMINARY WORK WAS DONE CORRECTLY. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | TESTING PLAN HAS BEEN REVIEWED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | WORK METHOD AND SCHEDULE DISCUSSED. | <input type="checkbox"/> | <input type="checkbox"/> | |
| | JOB SAFETY / HAZARD ANALYSIS ADDRESSED | <input type="checkbox"/> | <input type="checkbox"/> | |
| | INITIAL | PRELIMINARY WORK WAS DONE CORRECTLY | <input type="checkbox"/> | |
| SAMPLE HAS BEEN PREPARED/APPROVED | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORKMANSHIP IS SATISFACTORY | | <input type="checkbox"/> | <input type="checkbox"/> | |
| TEST RESULTS ARE ACCEPTABLE. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK IS IN COMPLIANCE WITH THE CONTRACT. | | <input type="checkbox"/> | <input type="checkbox"/> | |
| WORK COMPLIES WITH SAFETY REQUIREMENTS | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FOLLOW-UP | WORK COMPLIES WITH CONTRACT AS APPROVED INITIAL PHASE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Definable feature/s of work (see continuation page) |
| | WORK COMPLIES WITH SAFETY REQUIREMENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | <p>Silt fence will be left in place until vegetation is established</p> <p>Continue site Restoration</p> <p>Vendor removed there chain link fence</p> <p>Vendor on site to demobe Cat 320 excavator</p> <p>Completed Site Restoration</p> <p>Install small section of silt fence at access road</p> <p>NOTE: No one attended Final Walk Thru Inspection but spoke to NAVFAC FEAD - Robert Krivnskas BRAC PMO NE - Dave Barney</p> | | | |
| REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) | | REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) | | |
| REMARKS: | | | | |
| Visitor: | | | | |
| No Visitors | | | | |
| <small>On behalf of the contractor, I certify that this report is completed and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.</small> | | | | |
| Cano Hernandez | | | | 11-Oct-11 |
| QC MANAGER | | | | DATE |
| GOVERNMENT QUALITY ASSURANCE REPORT | | | | DATE |
| QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT | | | | |
| GOVERNMENT QUALITY ASSURANCE MANAGER | | | | DATE |

APPENDIX C

QUALITY CONTROL DOCUMENTATION

C2 – Contractor Production Reports

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CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE: **28 Sept. 11**

| | | |
|--|--|------------------------|
| CONTRACT NO.: N62470-08-D-1007 | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | Task Order WE33 |
|--|--|------------------------|

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|--|--|--------------|
| CONTRACTOR: Shaw Environmental, Inc. | SUPERINTENDENT: Cano Hernandez | Report : '03 |
|--|--|--------------|

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|-----------------------------|-----------------------------|-------------------|-------------------|
| AM WEATHER: Sunny | PM WEATHER: Sunny | MAX. TEMP: Deg. F | MIN. TEMP: Deg. F |
|-----------------------------|-----------------------------|-------------------|-------------------|

WORK PERFORMED TODAY

| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS |
|-----------------------|-------------------------------|----------|--------|--------------------|------|
| 3.3.1 | Cano Hernandez | Shaw | | Site Supervisor/QC | 11.0 |
| 3.3.1 | Michael Harrison | Shaw | | H&S | 11.0 |
| 3.3.1. | Jen Gailey | Shaw | | Scientist | 10.0 |
| 3.3.1 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 |
| 3.3.1 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 |
| 3.3.1 | Doug Barlow | Shaw | | Field Tech | 10.0 |
| 3.3.1 | John C Clark | Shaw | | Field Tech | 10.0 |
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| <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> JOB SAFETY </div> | WAS A JOB SAFETY MEETING HELD THIS DATE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <small>(If YES attach copy of the meeting minutes)</small> | | TOTAL WORK HOURS ON JOB SITE THIS DATE | 72.0 |
| | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <small>(If YES attach copy of completed OSHA report)</small> | | CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT | 126.50 |
| | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <small>(If YES attach statement or checklist showing inspection performed.)</small> | | TOTAL WORK HOURS FROM START OF CONSTRUCTION | 198.50 |
| | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <small>(If YES attach description of incident and proposed action.)</small> | | | |

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| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Safety Analysis | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. |
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EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY

| | | |
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| Walk behind Trencher 5000 Watt Generator 12" Chipper | <u>Shaw E&I</u> Chevy Pick up Truck | <u>Hillview Equipt Rental</u> Cat 320 Track Excavator Rubber Tire Wheel Loader Cumberland Quarry Corp. 2 loads - 1 1/2" Washed Crushed Stone |
|--|--|--|

WORK PERFORMED, CHANGES AND REMARKS:

Shaw crew continue clearing and grubbing operation
 Continue chipping trees that had to be removed in order to create access to the excavation area
 Received portable scales to weigh T&D trucks
 Used the Walk Behind trencher to excavate trench for the silt fence
 Filled in two spots on haul road to enable truck traffic back to the excavation site

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| Cano Hernandez <i>Cano Hernandez</i> SUPERINTENDENT | 28-Sep-11 DATE |
|--|-------------------|

| CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | DATE: 30 Sept. 11 | | |
|---|-------------------------------|--|--|---|---------------------|--|
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | Task Order WE33 | | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '05 | |
| AM WEATHER: Cloudy Sunny | | PM WEATHER: Sunny | | MAX. TEMP: Deg. F MIN. TEMP: Deg. F | | |
| WORK PERFORMED TODAY | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | |
| 3.3.5 | Cano Hernandez | Shaw | | Site Supervisor/QC | 8.0 | |
| 3.3.5 | Michael Harrison | Shaw | | H&S | 8.0 | |
| 3.3.5 | Jen Gailey | Shaw | | Scientist | 5.0 | |
| 3.3.5 | Dan Silva | Shaw | | Eqipt. Operator | 5.0 | |
| 3.3.5 | Steve Marchan | Shaw | | Eqipt. Operator | 5.0 | |
| 3.3.5 | Doug Barlow | Shaw | | Field Tech | 5.0 | |
| 08001000 | John C. Clark | Shaw | | Field Tech | 6.5 | |
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| <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> JOB SAFETY </div> <p>WAS A JOB SAFETY MEETING HELD THIS DATE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If YES attach copy of the meeting minutes)</p> <p>WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If YES attach copy of completed OSHA report)</p> <p>WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If YES attach statement or checklist showing inspection performed.)</p> <p>WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If YES attach description of incident and proposed action.)</p> | | | | TOTAL WORK HOURS ON JOB SITE THIS DATE | | 42.5 |
| | | | | CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT | | 270.50 |
| | | | | TOTAL WORK HOURS FROM START OF CONSTRUCTION | | 313.00 |
| | | | | LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Saftey Analysis | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | |
| Sunbelt rental | | Shaw E&I | Hillview Equipt Rental | | | |
| 5000 Watt Generator | | Chevy Pick up Truck | Cat 320 Track Excavator | | | |
| | | | Rubber Tire Wheel Loader | | | |
| | | | Cumberland Quarry Corp. | | | |
| | | | 2 loads - 1 1/2" Washed Crushed Stone | | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | |
| Local Law enforcement on site 4 hrs today | | | | | | |
| Shaw crew removed the chain link fence from the proposed excavation area and stages the fence near Tetra Tec trailer inside fenced in area | | | | | | |
| Fueled Cat 320 Excavator and Sun belt chipper | | | | | | |
| NO FIELD ACTIVITIES ARE PLANNED FOR THE WEEKEND 01,02 OCT 11 | | | | | | |
| Cano Hernandez | | | <i>Cano Hernandez</i> | | 30-Sep-11 | |
| SUPERINTENDENT | | | DATE | | | |

| CONTRACTOR PRODUCTION REPORT | | | | | DATE: | | |
|---|-------------------------------|---|--|---|--|---|--------|
| (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | | 3 Oct. 11 | | |
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | | Task Order WE33 | | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '06 | | |
| AM WEATHER: Cloudy | | PM WEATHER: Cloudy | | MAX. TEMP: Deg. F 68* | MIN. TEMP: Deg. F 52* | | |
| WORK PERFORMED TODAY | | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | | |
| 3.5 | Cano Hernandez | Shaw | | Site Supervisor/QC | 11.0 | | |
| 3.5 | Michael Harrison | Shaw | | H&S | 11.0 | | |
| 3.5 | Jen Gailey | Shaw | | Scientist | 10.0 | | |
| 3.5 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 | | |
| 3.5 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 | | |
| 3.5 | Doug Barlow | Shaw | | Field Tech | 10.0 | | |
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| <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> JOB SAFETY </div> | | WAS A JOB SAFETY MEETING HELD THIS DATE? <small>(If YES attach copy of the meeting minutes)</small> | | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO | TOTAL WORK HOURS ON JOB SITE THIS DATE | 62.0 |
| | | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <small>(If YES attach copy of completed OSHA report)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT | 313.00 |
| | | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <small>(If YES attach statement or checklist showing inspection performed.)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | TOTAL WORK HOURS FROM START OF CONSTRUCTION | 375.00 |
| | | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <small>(If YES attach description of incident and proposed action.)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | | |
| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Safety Analysis | | | | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. | | |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | | |
| Sunbelt rental | | Shaw E&I | | Hillview Equipt Rental | | | |
| 5000 Watt Generator | | Chevy Pick up Truck | | Cat 320 Track Excavator | | | |
| | | | | Rubber Tire Wheel Loader | | | |
| | | | | Cumberland Quarry Corp. | | | |
| | | | | 2 loads - 1 1/2" Washed Crushed Stone | | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | | |
| NO FIELD ACTIVITIES WERE PERFORMED FOR THE WEEKEND 01,02 OCT 11 | | | | | | | |
| Local Law enforcement on site (8) eight hrs today | | | | | | | |
| Attend Shaw Tailgate Meeting | | | | | | | |
| Attend Shaw Preparatory 3.3 SOIL/DEBRIS EXCAVATION AND REMOVAL | | | | | | | |
| Inspect silt fence -NO ISSUES | | | | | | | |
| Repaired several screen panel that had blown away from chain link fence | | | | | | | |
| Removed (8) chain link panels from the entrance road leading to the excavation, dump trucks could not make the turn to enter or exit the excavation site. | | | | | | | |
| Located the perimeter of the excavation with survey stakes - photos | | | | | | | |
| Began excavation minus (2) two feet - no DANC found | | | | | | | |
| At Minus (est. 2ft 3in) Danc appeared on the soil and a few small deteriorated drums were found - Photo taken | | | | | | | |
| Weighed dump trucks entering and leaving the work site | | | | | | | |
| Inspected the dump trucks entering the work site before they are loaded with soil | | | | | | | |
| Issued manifest to driver after exiting scale activities | | | | | | | |
| Shaw scientist - Jen Gailey maintain Truck and Waste Log | | | | | | | |
| A total of two trucks were direct loaded with DANC material | | | | | | | |
| Cano Hernandez | | | | <i>Cano Hernandez</i> | | 3-Oct-11 | |
| SUPERINTENDENT | | | | DATE | | | |

| CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | | DATE: 5 Oct. 11 | |
|---|-------------------------------|---|--|--|---|--|
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | | Task Order WE33 | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '08 | |
| AM WEATHER: Sunny | | PM WEATHER: Sunny | | MAX. TEMP: Deg. F 67* | MIN. TEMP: Deg. F 40* | |
| WORK PERFORMED TODAY | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | |
| 3.5 | Cano Hernandez | Shaw | | Site Supervisor/QC | 11.0 | |
| 3.5 | Michael Harrison | Shaw | | H&S | 11.0 | |
| 3.5 | Jen Gailey | Shaw | | Scientist | 10.0 | |
| 3.5 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 | |
| 3.5 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 | |
| 3.5 | Doug Barlow | Shaw | | Field Tech | 10.0 | |
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| JOB SAFETY | | WAS A JOB SAFETY MEETING HELD THIS DATE? <small>(If YES attach copy of the meeting minutes)</small> | | | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| | | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <small>(If YES attach copy of completed OSHA report)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <small>(If YES attach statement or checklist showing inspection performed.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <small>(If YES attach description of incident and proposed action.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Safety Analysis | | | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. | | |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | |
| Sunbelt rental | | Shaw E&I | | Hillview Equipt Rental | | |
| 5000 Watt Generator | | Chevy Pick up Truck | | Cat 320 Track Excavator | | |
| | | | | Rubber Tire Wheel Loader | | |
| | | | | Cumberland Quarry Corp. | | |
| | | | | 2 loads - 1 1/2" Washed Crushed Stone | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | |
| <p>Local Law enforcement on site (8) eight hrs today</p> <p>Attend Shaw Tailgate Meeting</p> <p>Three dump trucks on site at 0700</p> <p>Inspected the dump trucks entering the work site before they are loaded with soil</p> <p>Shaw grabbed a few photos of the excavation area before excavation began</p> <p>Trucks entering site are inspected and weight before entering load out area.</p> <p>Shaw crew that are in the excavation area are in LEVEL B PPE</p> <p>Dump truck is dry deconed and truck is tarped by Shaw crew in Level B PPE</p> <p>All pales found today were small and deteriorated, found one large metal garage door - Photo Taken</p> <p>Issued manifest to driver after exiting scale activities</p> <p>Shaw scientist - Jen Gailey maintain Truck and Waste Log</p> <p>A total of five trucks were direct loaded with DANC material</p> | | | | | | |
| Cano Hernandez | | | | <i>Cano Hernandez</i> | | 5-Oct-11 |
| SUPERINTENDENT | | | | DATE | | |

| CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | | DATE: 6 Oct. 11 | |
|--|-------------------------------|---|--|--|---|--|
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | | Task Order WE33 | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '09 | |
| AM WEATHER: Sunny | | PM WEATHER: Sunny | | MAX. TEMP: Deg. F 63 | MIN. TEMP: Deg. F 43 | |
| WORK PERFORMED TODAY | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | |
| 3.5 | Cano Hernandez | Shaw | | Site Supervisor/QC | 12.0 | |
| 3.5 | Michael Harrison | Shaw | | H&S | 8.0 | |
| 3.7 | Jen Gailey | Shaw | | Scientist | 10.0 | |
| 3.7 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 | |
| 3.5 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 | |
| 3.5 | Doug Barlow | Shaw | | Field Tech | 10.0 | |
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| JOB SAFETY | | WAS A JOB SAFETY MEETING HELD THIS DATE? <small>(If YES attach copy of the meeting minutes)</small> | | | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| | | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <small>(If YES attach copy of completed OSHA report)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <small>(If YES attach statement or checklist showing inspection performed.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <small>(If YES attach description of incident and proposed action.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Safety Analysis | | | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. | | |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | |
| Hillview Equipt Rental Cat 320 Track Excavator Rubber Tire Wheel Loader | | | | | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | |
| Local Law enforcement on site (8) eight hrs today Attend Shaw Tailgate Meeting One dump truck on site at 0700 Inspected the dump truck entering the work site before they are loaded with soil Shaw grabbed a few photos of the excavation area before excavation began and water table is up today Trucks entering site are inspected and weight before entering load out area. Shaw crew that are in the excavation area are in LEVEL B PPE Dump truck is dry deconed and truck is tarped by Shaw crew in Level B PPE Small amount of metal pales found in excavation today Complete excavation and photos taken Issued manifest to driver after exiting scale activities Shaw scientist - Jen Gailey maintain Truck and Waste Log A total of one truck was direct loaded with DANC material Shaw Scientist - Jen Gailey collected confirmation floor and sidewall samples of the excavation area | | | | | | |
| Cano Hernandez SUPERINTENDENT | | | | <i>Cano Hernandez</i> DATE | | 6-Oct-11 |

| CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | | DATE: 7 Oct. 11 | |
|--|-------------------------------|---|--|--|---|--|
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | | Task Order WE33 | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '10 | |
| AM WEATHER: Sunny | | PM WEATHER: Sunny | | MAX. TEMP: Deg. F 64* | MIN. TEMP: Deg. F 44* | |
| WORK PERFORMED TODAY | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | |
| 3.8 | Cano Hernandez | Shaw | | Site Supervisor/QC | 11.0 | |
| | Michael Harrison | Shaw | | H&S | 0.0 | |
| | Jen Gailey | Shaw | | Scientist | 0.0 | |
| 3.8 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 | |
| 3.8 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 | |
| 3.8 | Doug Barlow | Shaw | | Field Tech | 10.0 | |
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| JOB SAFETY | | WAS A JOB SAFETY MEETING HELD THIS DATE? <small>(If YES attach copy of the meeting minutes)</small> | | | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| | | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <small>(If YES attach copy of completed OSHA report)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <small>(If YES attach statement or checklist showing inspection performed.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| | | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <small>(If YES attach description of incident and proposed action.)</small> | | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO |
| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Safety Analysis | | | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. | | |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | |
| Hillview Equipt Rental Cat 320 Track Excavator Rubber Tire Wheel Loader | | | | | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | |
| Local Law enforcement on site (8) eight hrs today Attend Shaw Tailgate Meeting A Plus Survey on site to Topo the excavation area and record the location of each sample point and the perimeter of the excavation Shaw place a permeable 6oz fabric liner in the excavation to identify the excavation extents. Shaw received, placed, and compacted approved clean fill material in the excavation with the Cat 320 excavator bucket The stone was removed from the temporary access roadway and dispersed and graded along the unpaved roadway to restore/improve pre-construction conditions Received a roll -off to dispose any construction debris Disposed 6oz geotextile that was used at access road way in roll-off Placed breathing air bottles near Tetra Tec trailer for pick up NO FIELD ACTIVITIES ARE PLANNED FOR THE WEEKEND OF 8-9 OCT 11 | | | | | | |
| Cano Hernandez SUPERINTENDENT | | | | <i>Cano Hernandez</i> | | 7-Oct-11 DATE |

| CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY) | | | | | DATE: 10 Oct. 11 | | |
|--|-------------------------------|---|--|---|--|---|--------|
| CONTRACT NO.: N62470-08-D-1007 | | TITLE AND LOCATION: SITE 7 REMOVAL ACTION Davisville, Rhode Island | | | Task Order WE33 | | |
| CONTRACTOR: Shaw Environmental, Inc. | | | SUPERINTENDENT: Cano Hernandez | | Report : '11 | | |
| AM WEATHER: Sunny | | PM WEATHER: Sunny | | MAX. TEMP: Deg. F 83* | MIN. TEMP: Deg. F 55* | | |
| WORK PERFORMED TODAY | | | | | | | |
| Schedule Activity No. | WORK LOCATION AND DESCRIPTION | EMPLOYER | NUMBER | TRADE | HRS | | |
| 3.8 | Cano Hernandez | Shaw | | Site Supervisor/QC | 11.0 | | |
| | Michael Harrison | Shaw | | H&S | 0.0 | | |
| | Jen Gailey | Shaw | | Scientist | 0.0 | | |
| 3.8 | Dan Silva | Shaw | | Eqipt. Operator | 10.0 | | |
| 3.8 | Steve Marchan | Shaw | | Eqipt. Operator | 10.0 | | |
| 3.8 | Doug Barlow | Shaw | | Field Tech | 10.0 | | |
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| | | | | | | | |
| JOB SAFETY | | WAS A JOB SAFETY MEETING HELD THIS DATE? <small>(If YES attach copy of the meeting minutes)</small> | | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO | TOTAL WORK HOURS ON JOB SITE THIS DATE | 41.0 |
| | | WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? <small>(If YES attach copy of completed OSHA report)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT | 590.00 |
| | | WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELECTRICAL/HIGH WORK DONE? <small>(If YES attach statement or checklist showing inspection performed.)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | TOTAL WORK HOURS FROM START OF CONSTRUCTION | 631.00 |
| | | WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? <small>(If YES attach description of incident and proposed action.)</small> | | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | | |
| LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Job Saftey Analysis | | | | | <input checked="" type="checkbox"/> SAFETY REQUIREMENTS HAVE BEEN MET. | | |
| EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB | | | | | | | |
| CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INCLUDE NUMBER OF HOURS USED TODAY | | | | | | | |
| <u>Hillview Equipt Rental</u> Cat 320 Track Excavator Rubber Tire Wheel Loader | | | | | | | |
| WORK PERFORMED, CHANGES AND REMARKS: | | | | | | | |
| NO FIELD ACTIVITIES WERE PERFORMED OVER THE WEEKEND Attend Shaw Tailgate Meeting Continue to place construction debris in roll off Remove Shaw signage off chain link fence Used chain saw and trimmed some tree limbs that were taken down during construction Removed the construction entrance and spread the stone to repair the unpaved roadway Began to remove Porta Jons to Tetra Tec trailer for pick up Completed placing and backfilling excavation area Applied seed to excavation and all disturbed area 6 oz Geotextile that was removed was placed in roll off as construction debris Placed ECS erosion matting over seeded area on excavated area | | | | | | | |
| Cano Hernandez SUPERINTENDENT | | | | <i>Cano Hernandez</i> | | 10-Oct-11 DATE | |

APPENDIX C
QUALITY CONTROL DOCUMENTATION

C3 – Precon Meeting Minutes and Sign in Sheet

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**COORDINATION AND MUTUAL UNDERSTANDING/PRE-CONSTRUCTION
MEETING AGENDA
CONTRACT N62470-08-D-1007 CTO WE33
SITE 7 REMOVAL ACTION
NAVAL CONSTRUCTION BATTALION CENTER
DAVISVILLE, RHODE ISLAND
September 26, 2011**

| | | |
|------------------|------------------|--------------------------------------|
| Invitees: | Jeff Dale | NAVFAC Mid-Atlantic |
| | David Barney | BRAC PMO NE, BEC NAS South Weymouth |
| | Robert Krivinkas | FEAD, Newport RI |
| | Mark Pisarcik | Shaw, Project Manager |
| | Dennis Kelley | Shaw, Site Manager / Site QC Manager |
| | Mike Harrison | Shaw, Site H&S Officer |

1. Navy Project Personnel:

- a. Remedial Project Manager – Jeff Dale, NAVFAC Mid-Atlantic
- b. BRAC Project Manager - David Barney, BRAC PMO NE, BEC NAS South Weymouth
- c. FEAD - Robert Krivinkas, Newport RI
- d. Contracting Officer – Faith Smith, NAVFAC Mid-Atlantic, IPTNE

2. Shaw Project Personnel:

- a. Project Manager – Mark Pisarcik, Phone: 757-544-2085
- b. Site Superintendent – Dennis Kelley, Phone: 757-869-7700
- c. Quality Control Manager – Dennis Kelley, Phone: 757-869-7700
- d. Site Health and Safety Officer – Mike Harrison, Phone: 618-599-3838

3. Scope of Work:

- a. Review work scope.

4. Schedule of Work:

- a. Mobilization - 9/19/11
- b. Duration – 5 10-hr days/week for two weeks are anticipated
- c. Demobilization – 9/30/11

5. Pre-construction activities:

- a. Work Plan, H&S Plan, QC Plan approval
- b. Disposal facility approved / Waste acceptance approval
- c. Borrow source approved
- d. Dig permit
- e. ROICC Notice to Proceed
- f. Coordinate local Police detail support

6. Emergency Procedures:

- a. Emergency Rally Point -
- b. Emergency Contacts -

7. Operational Safety Measures:

- a. Site orientation, SSHSP review, & training and medical clearance records verification for site personnel.
- b. Review and sign off on AHAs.
- c. Job Safety Analysis (JSA) – JSA’s will be prepared at the beginning of each day for the planned tasks and prepared during the day for tasks that arise. JSA’s will also be reviewed periodically during the day. The JSA will identify hazards associated with the tasks and outline actions and procedures to be followed to avoid the hazards.
- d. Morning Tailgate Meeting – A morning tailgate meeting will be held every morning there is site activity. The meeting will present safety topics that are construction/condition specific as well as general safety tips.
- e. 2-Minute Drill – The 2-Minute Drill will be used for assessing hazards in the field. The drill is designed for personnel to step back from the work at hand and assess the best way to carry out the work and, thereby, avoid injuries and accidents.
- f. Safety Observer – A safety observer will be chosen at the beginning of each week to observe a task as it is performed in the field. The observations will be critical of safety and report any lapses or positive observations.
- g. Safety Performer of the Month – This program is set up to reward the field crew for safe actions and positive attitude toward safety. An award is given once a month within Shaw’s Navy RAC program to an outstanding safety minded individual.
- h. Safety Inspections – Safety inspections will be performed by the Project Manager and Site Superintendent during project execution.

8. Means of Communication:

- a. Construction Quality Control Reports – These reports will be prepared by the QC Manager daily and submitted as required.
- b. Contractor Production Reports - These reports will be prepared by the Site Superintendent daily and submitted as required.
- c. Quality Control Meetings – TBD
- d. Lines of Communication
- e. Addressing questions from the public

9. Other Items:

- a. Who will sign Hazardous Waste Manifests?

APPENDIX D

LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D1 – Clean Fill Verification Laboratory Analytical Data

D2 – Confirmation Round 1 Laboratory Analytical Data

D3 – Confirmation Round 2 Laboratory Analytical Data

D4 – Waste Disposal Characterization Laboratory Analytical Data

D5 - Confirmation Round 1 Validation Report

D6 – Confirmation Round 2 Validation Report

Note: In an effort aimed at reducing both paper consumption and the physical size of this report, this appendix is only included in the electronic file on the CD attached to this Completion Report.

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APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D1 – Clean Fill Verification Laboratory Analytical Data

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Technical Report for

Global General Services

**Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33
143071**

Accutest Job Number: MC3036

Sampling Date: 08/24/11

Report to:

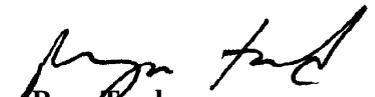
**SHAW Environmental & Infrastructure, Inc
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com**

ATTN: Natasha Sullivan

Total number of pages in report: 84



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.



Reza Pand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Global General Services

Job No: MC3036

Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

Project No: 143071

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|---------------------|-----------------------|
| | Date | Time By | | Code | Type | |
| MC3036-1 | 08/24/11 | 13:00 SB | 08/24/11 | SO | Soil | 143071-CLEAN FILL-001 |
| MC3036-2 | 08/24/11 | 13:35 SB | 08/24/11 | SO | Soil | 143071-CLEAN FILL-002 |
| MC3036-3 | 08/24/11 | 00:00 SB | 08/24/11 | SO | Trip Blank Methanol | TRIP BLANK |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-CLEAN FILL-001 | | |
| Lab Sample ID: | MC3036-1 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V1505.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.25 g | 5.0 ml |
| Run #2 | | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | ND | 4.2 | 0.97 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.42 | 0.10 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 1.7 | 0.18 | ug/kg | |
| 75-25-2 | Bromoform | ND | 1.7 | 0.39 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 1.7 | 0.56 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 4.2 | 0.99 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 1.7 | 0.19 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 1.7 | 0.078 | ug/kg | |
| 67-66-3 | Chloroform | ND | 1.7 | 0.12 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 4.2 | 4.2 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 1.7 | 0.54 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.7 | 0.16 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.7 | 0.13 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.7 | 0.12 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.7 | 0.27 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.7 | 0.23 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.7 | 0.21 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.7 | 0.19 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.7 | 0.11 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 4.2 | 0.13 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 4.2 | 0.14 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.7 | 0.52 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 4.2 | 0.70 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 1.7 | 0.30 | ug/kg | |
| 100-42-5 | Styrene | ND | 4.2 | 0.42 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 4.2 | 0.84 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.7 | 0.15 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 1.7 | 0.14 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.2 | 0.15 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.7 | 0.15 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.7 | 0.21 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 1.7 | 0.16 | ug/kg | |

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: | 143071-CLEAN FILL-001 | |
| Lab Sample ID: | MC3036-1 | Date Sampled: 08/24/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8260B | Percent Solids: 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 75-01-4 | Vinyl chloride | ND | 1.7 | 0.54 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 1.7 | 0.11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 93% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 70-130% |

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: | 143071-CLEAN FILL-001 | | |
| Lab Sample ID: | MC3036-1 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3545 | Percent Solids: | 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26835.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| Run #2 | S26835A.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1155 |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.2 g | 1.0 ml |
| Run #2 | 20.2 g | 1.0 ml |

ABN TCL List (CLP4.2 list)

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|-----------------------------|-----------------|------|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 260 | 14 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 520 | 30 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 520 | 52 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 1000 | 260 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 520 | 48 | ug/kg | |
| 108-95-2 | Phenol | ND | 260 | 43 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 520 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 520 | 36 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 260 | 22 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 260 | 19 | ug/kg | |
| 120-12-7 | Anthracene | ND | 260 | 20 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 260 | 9.5 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 260 | 15 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 260 | 30 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 260 | 17 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 260 | 7.6 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 520 | 520 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 520 | 130 | ug/kg | |
| 218-01-9 | Chrysene | ND | 260 | 8.4 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 260 | 5.5 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 260 | 25 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND ^a | 260 | 21 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND ^a | 260 | 21 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND ^a | 260 | 21 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 520 | 130 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND ^a | 260 | 6.2 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 260 | 17 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 260 | 22 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 260 | 18 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 260 | 18 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 260 | 8.8 | ug/kg | |
| 86-73-7 | Fluorene | ND | 260 | 5.7 | ug/kg | |

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: | 143071-CLEAN FILL-001 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3036-1 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 95.7 |
| Method: | SW846 8270C SW846 3545 | Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

ABN TCL List (CLP4.2 list)

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|-----------------|-----|-----|-------|---|
| 118-74-1 | Hexachlorobenzene | ND | 260 | 22 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 260 | 20 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 260 | 21 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 260 | 16 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 260 | 22 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 260 | 6.0 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 260 | 6.7 | ug/kg | |
| 129-00-0 | Pyrene | ND | 260 | 8.3 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND ^a | 260 | 22 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 67% | 61% | 30-130% |
| 4165-62-2 | Phenol-d5 | 67% | 56% | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 71% | 81% | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 64% | 54% | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 66% | 71% | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 83% | 89% | 30-130% |

(a) Result is from Run# 2

| | | |
|---|------------------------------|--|
| 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: | 143071-CLEAN FILL-001 | | |
| Lab Sample ID: | MC3036-1 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8081 SW846 3545 | Percent Solids: | 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BE27512.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.8 g | 10.0 ml |
| Run #2 | | |

Pesticide TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------|--------|-----|-----|-------|---|
| 12789-03-6 | Chlordane | ND | 66 | 13 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 6.6 | 2.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 36% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 38% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 33% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 35% | | 30-150% |

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: | 143071-CLEAN FILL-001 | | |
| Lab Sample ID: | MC3036-1 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8082 SW846 3545 | Percent Solids: | 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BB37905.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2379 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.7 g | 10.0 ml |
| Run #2 | | |

PCB List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|-----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 100 | 14 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 100 | 14 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 100 | 19 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 100 | 6.8 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 100 | 2.6 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 100 | 15 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 100 | 3.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 82% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 90% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 72% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 86% | | 30-150% |

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: 143071-CLEAN FILL-001 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-1 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 95.7 |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|-----------|----------|-------|--------|-------|----|----------|-------------|--------------------------|--------------------------|
| Antimony | 0.22 B | 0.84 | 0.10 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Arsenic | 2.9 | 0.84 | 0.092 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Barium | 137 | 4.2 | 0.084 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Beryllium | 0.12 B | 0.33 | 0.022 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Cadmium | 0.092 B | 0.33 | 0.015 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Chromium | 15.5 | 0.84 | 0.064 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Copper | 15.1 | 2.1 | 0.13 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Lead | 4.5 | 0.84 | 0.13 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Manganese | 572 | 1.3 | 0.014 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Mercury | 0.0053 U | 0.030 | 0.0053 | mg/kg | 1 | 08/27/11 | 08/29/11 MA | SW846 7471A ¹ | SW846 7471A ⁴ |
| Nickel | 15.0 | 3.3 | 0.064 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Selenium | 0.18 U | 0.84 | 0.18 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Silver | 0.092 U | 0.42 | 0.092 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Thallium | 0.092 U | 0.84 | 0.092 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Vanadium | 31.5 | 0.84 | 0.12 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Zinc | 45.6 | 1.7 | 0.092 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |

- (1) Instrument QC Batch: MA13326
- (2) Instrument QC Batch: MA13327
- (3) Prep QC Batch: MP17628
- (4) Prep QC Batch: MP17634

RL = Reporting Limit
 MDL = Method Detection Limit

U = Indicates a result < MDL
 B = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-CLEAN FILL-001 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3036-1 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 95.7 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------------|--------|------|-------|----|----------------|----|--------------------|
| Chromium, Hexavalent | < 0.41 | 0.41 | mg/kg | 1 | 08/31/11 16:15 | MC | SW846 3060A/7196A |
| Chromium, Trivalent ^a | 15.5 | 1.3 | mg/kg | 1 | 08/31/11 16:15 | MC | SW846 6010/7196A M |
| Cyanide | < 0.12 | 0.12 | mg/kg | 1 | 08/27/11 20:46 | MA | SW846 9012 M |
| Solids, Percent | 95.7 | | % | 1 | 08/25/11 | MC | SM21 2540 B MOD. |

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-CLEAN FILL-002 | | |
| Lab Sample ID: | MC3036-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 98.0 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V1517.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.14 g | 5.0 ml |
| Run #2 | | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | ND | 3.6 | 0.83 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.36 | 0.089 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 1.4 | 0.15 | ug/kg | |
| 75-25-2 | Bromoform | ND | 1.4 | 0.34 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 1.4 | 0.48 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 3.6 | 0.85 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 1.4 | 0.16 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 1.4 | 0.067 | ug/kg | |
| 67-66-3 | Chloroform | ND | 1.4 | 0.11 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 3.6 | 3.6 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 1.4 | 0.47 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 1.4 | 0.14 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.4 | 0.11 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.4 | 0.10 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.4 | 0.23 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.4 | 0.19 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.4 | 0.18 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.4 | 0.16 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.4 | 0.093 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 3.6 | 0.11 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 3.6 | 0.12 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 1.4 | 0.44 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 3.6 | 0.60 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 1.4 | 0.26 | ug/kg | |
| 100-42-5 | Styrene | ND | 3.6 | 0.36 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 3.6 | 0.72 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.4 | 0.13 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 1.4 | 0.12 | ug/kg | |
| 108-88-3 | Toluene | ND | 3.6 | 0.13 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.4 | 0.13 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.4 | 0.18 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 1.4 | 0.14 | ug/kg | |

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: | 143071-CLEAN FILL-002 | |
| Lab Sample ID: | MC3036-2 | Date Sampled: 08/24/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8260B | Percent Solids: 98.0 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|-------|-------|---|
| 75-01-4 | Vinyl chloride | ND | 1.4 | 0.46 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 1.4 | 0.090 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 87% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 85% | | 70-130% |

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: | 143071-CLEAN FILL-002 | | |
| Lab Sample ID: | MC3036-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3545 | Percent Solids: | 98.0 |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26834.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| Run #2 | S26834A.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1155 |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.2 g | 1.0 ml |
| Run #2 | 20.2 g | 1.0 ml |

ABN TCL List (CLP4.2 list)

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|-----------------------------|-----------------|------|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 250 | 14 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 510 | 30 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 510 | 51 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 1000 | 250 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 510 | 47 | ug/kg | |
| 108-95-2 | Phenol | ND | 250 | 42 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 510 | 38 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 510 | 35 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 250 | 21 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 250 | 19 | ug/kg | |
| 120-12-7 | Anthracene | ND | 250 | 20 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 250 | 9.3 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 250 | 15 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 250 | 30 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 250 | 16 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 250 | 7.5 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 510 | 510 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 510 | 130 | ug/kg | |
| 218-01-9 | Chrysene | ND | 250 | 8.2 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 250 | 5.4 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 250 | 24 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND ^a | 250 | 20 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND ^a | 250 | 21 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND ^a | 250 | 21 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 510 | 130 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND ^a | 250 | 6.1 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 250 | 16 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 250 | 22 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 250 | 18 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 250 | 17 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 250 | 8.6 | ug/kg | |
| 86-73-7 | Fluorene | ND | 250 | 5.6 | ug/kg | |

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: 143071-CLEAN FILL-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-2 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 98.0 |
| Method: SW846 8270C SW846 3545 | |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

ABN TCL List (CLP4.2 list)

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|-----------------|-----|-----|-------|---|
| 118-74-1 | Hexachlorobenzene | ND | 250 | 22 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 250 | 20 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 250 | 21 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 250 | 16 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 250 | 21 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 250 | 5.9 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 250 | 6.5 | ug/kg | |
| 129-00-0 | Pyrene | ND | 250 | 8.1 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND ^a | 250 | 22 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 63% | 57% | 30-130% |
| 4165-62-2 | Phenol-d5 | 62% | 52% | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 44% | 51% | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 62% | 53% | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 62% | 67% | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 77% | 82% | 30-130% |

(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

Report of Analysis

| | |
|---|--------------------------------|
| Client Sample ID: 143071-CLEAN FILL-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-2 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 98.0 |
| Method: SW846 8081 SW846 3545 | |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BE27513.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.3 g | 10.0 ml |
| Run #2 | | |

Pesticide TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------|--------|-----|-----|-------|---|
| 12789-03-6 | Chlordane | ND | 67 | 13 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 6.7 | 2.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 73% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 81% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 54% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 68% | | 30-150% |

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: 143071-CLEAN FILL-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-2 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 98.0 |
| Method: SW846 8082 SW846 3545 | |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BB37906.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2379 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.5 g | 10.0 ml |
| Run #2 | | |

PCB List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 99 | 14 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 99 | 14 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 99 | 19 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 99 | 6.7 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 99 | 2.6 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 99 | 15 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 99 | 3.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 74% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 82% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 66% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 78% | | 30-150% |

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: 143071-CLEAN FILL-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-2 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 98.0 |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

Metals Analysis

| Analyte | Result | RL | MDL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|-----------|----------|-------|--------|-------|----|----------|-------------|--------------------------|--------------------------|
| Antimony | 0.099 U | 0.82 | 0.099 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Arsenic | 4.6 | 0.82 | 0.091 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Barium | 20.8 | 4.1 | 0.082 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Beryllium | 0.14 B | 0.33 | 0.021 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Cadmium | 0.033 B | 0.33 | 0.015 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Chromium | 7.7 | 0.82 | 0.063 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Copper | 5.5 | 2.1 | 0.12 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Lead | 2.1 | 0.82 | 0.12 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Manganese | 107 | 1.2 | 0.014 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Mercury | 0.0053 U | 0.030 | 0.0053 | mg/kg | 1 | 08/27/11 | 08/29/11 MA | SW846 7471A ¹ | SW846 7471A ⁴ |
| Nickel | 6.1 | 3.3 | 0.063 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Selenium | 0.17 U | 0.82 | 0.17 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Silver | 0.091 U | 0.41 | 0.091 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Thallium | 0.091 U | 0.82 | 0.091 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Vanadium | 9.7 | 0.82 | 0.12 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |
| Zinc | 12.3 | 1.6 | 0.091 | mg/kg | 1 | 08/26/11 | 08/27/11 SA | SW846 6010C ² | SW846 3050B ³ |

- (1) Instrument QC Batch: MA13326
- (2) Instrument QC Batch: MA13327
- (3) Prep QC Batch: MP17628
- (4) Prep QC Batch: MP17634

RL = Reporting Limit
 MDL = Method Detection Limit

U = Indicates a result < MDL
 B = Indicates a result > = MDL but < RL

Report of Analysis

| | |
|---|--------------------------------|
| Client Sample ID: 143071-CLEAN FILL-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3036-2 | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 98.0 |
| Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------------|--------|------|-------|----|----------------|----|--------------------|
| Chromium, Hexavalent | < 0.40 | 0.40 | mg/kg | 1 | 08/31/11 15:28 | MC | SW846 3060A/7196A |
| Chromium, Trivalent ^a | 7.5 | 1.2 | mg/kg | 1 | 08/31/11 15:28 | MC | SW846 6010/7196A M |
| Cyanide | < 0.12 | 0.12 | mg/kg | 1 | 08/27/11 20:37 | MA | SW846 9012 M |
| Solids, Percent | 98 | | % | 1 | 08/25/11 | HS | SM21 2540 B MOD. |

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

| | | | |
|--------------------------|--------------------------|---|----------|
| Client Sample ID: | TRIP BLANK | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3036-3 | Date Received: | 08/24/11 |
| Matrix: | SO - Trip Blank Methanol | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | E55274.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 10.0 g | 10.0 ml | 100 ul |
| Run #2 | | | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|-----|-----|-------|---|
| 67-64-1 | Acetone | ND | 250 | 58 | ug/kg | |
| 71-43-2 | Benzene | ND | 25 | 6.3 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 100 | 10 | ug/kg | |
| 75-25-2 | Bromoform | ND | 100 | 24 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 100 | 34 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 250 | 59 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 100 | 11 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 100 | 4.7 | ug/kg | |
| 67-66-3 | Chloroform | ND | 100 | 7.4 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 250 | 250 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 100 | 33 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 100 | 9.6 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 100 | 7.6 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 100 | 7.3 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 100 | 16 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 100 | 14 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 100 | 13 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 100 | 11 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 100 | 6.5 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 250 | 7.9 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 250 | 8.1 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 100 | 31 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 250 | 42 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 100 | 18 | ug/kg | |
| 100-42-5 | Styrene | ND | 250 | 25 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | 50 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 100 | 8.8 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 100 | 8.4 | ug/kg | |
| 108-88-3 | Toluene | ND | 250 | 9.0 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 100 | 9.2 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 100 | 13 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 100 | 9.8 | ug/kg | |

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: | TRIP BLANK | |
| Lab Sample ID: | MC3036-3 | Date Sampled: 08/24/11 |
| Matrix: | SO - Trip Blank Methanol | Date Received: 08/24/11 |
| Method: | SW846 8260B | Percent Solids: n/a |
| Project: | Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | |

VOA 8260 List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|-----|-------|---|
| 75-01-4 | Vinyl chloride | ND | 100 | 32 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 100 | 6.3 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

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:

- Certification Exceptions
- Certification Exceptions (RI)
- Chain of Custody

MC3036

CHAIN-OF-CUSTODY RECORD

COC Number: 143071-Date
Purchase Order Number:



SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190
 Lab Destination: Global General Services Lab Receiving Address: 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452

Project Name: NCBC Davisville Site 07, Calf Pasture Point
 Sample Location: Fill Material Samples

Project Number: 143071 Shaw Contact: Natasha Kelley Sullivan Shaw Contact Number: (410)529-7598

Client Ref: NAVY Project Manager: Mark Pisarcik

| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | Volatiles SW-546 8035/820B ¹ | Semivolatiles SW-546 8270D ¹ | Pesticides/PCBs SW-546 8081/8082A ¹ | Metals SW-546 8010/7171B ¹ | Cyanide SW-546 8012 | Hexavalent Chromium SW-846 7196A | Trivalent Chromium Calculation | | | | | | | |
|----------|-------------------|---------|------|--------|---|---|--|--|---|--|------------------------|-------------------------------------|-----------------------------------|--|--|--|--|--|--|--|
| 1 | 143071-Clean fill | 8/24/11 | 1300 | Soil | Fill Material from Vendor X Cumberland Quarry | 1-500 mL soil jar (No preservative) , 2-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X | X | X | X | X | X | X | | | | | | | |
| 2 | 143071-Clean fill | 8/24/11 | 1335 | Soil | Fill Material from Vendor X Pyne Sand & Stone Co. Inc. | 1-500 mL soil jar (No preservative) , 2-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X | X | X | X | X | X | X | | | | | | | |
| 3 | Trip blank | | | | Trip Blank | 2-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |

¹ See Table 2 – Soil Importation Criteria SOURCE AREA INVESTIGATION Site 07, Calf Pasture Point for specific required analytes 15C/10B5

² Antimony, Arsenic, Barium, Beryllium, Cadmium, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc

Turnaround Time Required: 7 Day TAT Sampled By: Sheila Barry, SHAW COMMENTS: Laboratory Report No.:

| Transfer Number | Transfers Relinquished By | Date | Time | Transfers Accepted By | Date | Time | Remarks |
|-----------------|---------------------------|---------|------|-----------------------|------|------|--|
| 1 | <i>[Signature]</i> | 8/24 | 1600 | <i>[Signature]</i> | | | Summary Report |
| 2 | <i>[Signature]</i> | 8-24-11 | 1745 | <i>[Signature]</i> | | | Deliverables: EDD Excel |
| 3 | | | | | | | *** Fax results to Natasha Sullivan (410) 529-7599 |

2,3 °C

31
3

SAP Worksheet #10B -- Problem Definition
 (Continued)

MC3036

Table 2 – Soil Importation Criteria

| Substance | Residential (mg/kg) | Substance | Residential (mg/kg) | Substance | Residential (mg/kg) | Substance | Residential (mg/kg) |
|------------------------------------|---------------------|-----------------------------|---------------------|-------------------------------------|---------------------|---|---------------------|
| Volatile Organics | | 1,1,1,2-Tetrachloroethane | 2.2 | Dibenzo(a,h)anthracene ^a | 0.4 | 2,4,6-Trichlorophenol | 58 |
| Acetone | 7,800 | 1,1,2,2-Tetrachloroethane | 1.3 | 1,2-Dichlorobenzene (o-DCB) | 510 | Pesticides/PCBs | |
| Benzene | 2.5 | Tetrachloroethene | 12 | 1,3-Dichlorobenzene (m-DCB) | 430 | Chlordane | 0.5 |
| Bromodichloromethane | 10 | Toluene | 190 | 1,4-Dichlorobenzene (p-DCB) | 27 | Dieldrin | 0.04 |
| Bromoform | 81 | 1,1,1-Trichloroethane | 540 | 3,3-Dichlorobenzidine | 1.4 | Polychlorinated biphenyls (PCBs) | 10 |
| Bromomethane | 0.8 | 1,1,2-Trichloroethane | 3.6 | 2,4-Dichlorophenol | 30 | Inorganics | |
| Carbon tetrachloride | 1.5 | Trichloroethene | 13 | Diethyl phthalate | 340 | Antimony | 10 |
| Chlorobenzene | 230 | Vinyl chloride | 0.02 | 2,4-Dimethyl phenol | 1,400 | Arsenic ^c | 7 |
| Chloroform | 1.2 | Xylenes (Total) | 110 | Dimethyl phthalate | 1900 | Barium | 5,500 |
| Dibromochloromethane | 7.6 | Semivolatiles | | 2,4-Dinitrophenol | 160 | Beryllium ^f | 0.4 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 0.5 | Acenaphthene | 43 | 2,4-Dinitrotoluene | 0.9 | Cadmium | 39 |
| 1,1-Dichloroethane | 920 | Acenaphthylene | 23 | Fluoranthene | 20 | Chromium III (Trivalent) | 1,400 |
| 1,2-Dichloroethane | 0.9 | Anthracene | 35 | Fluorene | 28 | Chromium VI (Hexavalent) | 390 |
| 1,1-Dichloroethene | 0.2 | Benzo(a)anthracene | 0.9 | Hexachlorobenzene | 0.4 | Copper | 3,100 |
| cis-1,2-Dichloroethene | 630 | Benzo(a)pyrene ^e | 0.4 | Hexachlorobutadiene | 8.2 | Cyanide | 200 |
| Trans-1,2-Dichloroethene | 1,100 | Benzo(b)fluoranthene | 0.9 | Hexachloroethane | 46 | Lead ^d | 150 |
| 1,2-Dichloropropane | 1.9 | Benzo(g,h,i)perylene | 0.8 | Indeno(1,2,3-cd)pyrene | 0.9 | Manganese | 390 |
| Ethylbenzene | 71 | Benzo(k)fluoranthene | 0.9 | 2-Methyl naphthalene | 123 | Mercury | 23 |
| Ethylene dibromide (EDB) | 0.01 | 1,1-Biphenyl | 0.8 | Naphthalene | 54 | Nickel | 1,000 |
| Isopropyl benzene | 77 | Bis(2-ethylhexyl)phthalate | 46 | Pentachlorophenol | 5.3 | Selenium | 390 |
| Methyl ethyl ketone | 10,000 | Bis(2-chloroethyl)ether | 0.6 | Phenanthrene | 40 | Silver | 200 |
| Methyl isobutyl ketone | 1200 | Bis(2-chloroisopropyl)ether | 9.1 | Phenol | 6,000 | Thallium | 5.5 |
| Methyl tertiary-butyl ether (MTBE) | 390 | 4-Chloroaniline (p) | 310 | Pyrene | 13 | Vanadium | 550 |
| Methylene chloride | 45 | 2-Chlorophenol | 50 | 1,2,4-Trichlorobenzene | 96 | Zinc | 6,000 |
| Styrene | 13 | Chrysene | 0.4 | 2,4,5-Trichlorophenol | 330 | | |

a Estimated quantitation limits
 b Direct exposure criteria for PCBs consistent with the Toxic Substance Control Act (TSCA)
 c Background Levels of Priority Pollutant Metals In Rhode Island Soils, T. O'Connor, RIDEM – For arsenic, see Section 12.0
 d Direct exposure criteria for Lead consistent with the Rhode Island Department of Health Rules and Regulations for Lead Poisoning Prevention [R23-24.6-PB], as amended

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC3036

Client: SHAW

Immediate Client Services Action Required: No

Date / Time Received: 8/24/2011

Delivery Method:

Client Service Action Required at Login: No

Project: FILL MATERIAL SAMPLES

No. Coolers:

Airbill #'s: N/A

| <u>Cooler Security</u> | <u>Y or N</u> | | <u>Y or N</u> | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|--|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

| <u>Cooler Temperature</u> | <u>Y or N</u> | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

| <u>Quality Control Preservation</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|-------------------------------------|-------------------------------------|-----------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> | <u>Y or N</u> | |
|---|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Condition</u> | <u>Y</u> | <u>or</u> | <u>N</u> |
|-------------------------------------|-------------------------------------|-----------|-------------------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 2. All containers accounted for: | <input type="checkbox"/> | | <input checked="" type="checkbox"/> |
| 3. Condition of sample: | Intact | | |

| <u>Sample Integrity - Instructions</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|---|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments -1 143071 CLEAN FILL -001 One 500ml bottle not received

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV62-MB | V1488.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | ND | 5.0 | 1.2 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 2.0 | 0.21 | ug/kg | |
| 75-25-2 | Bromoform | ND | 2.0 | 0.47 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.68 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.2 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 2.0 | 0.22 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 2.0 | 0.094 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 5.0 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 2.0 | 0.65 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.19 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.23 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.13 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.16 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.16 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2.0 | 0.62 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.84 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.36 | ug/kg | |
| 100-42-5 | Styrene | ND | 5.0 | 0.50 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.18 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.13 | ug/kg | |

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV62-MB | V1488.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|-------------|
| 1868-53-7 | Dibromofluoromethane | 89% 70-130% |
| 2037-26-5 | Toluene-D8 | 90% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 89% 70-130% |

4.1.1
4

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2248-MB | E55266.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|-----|-----|-------|---|
| 67-64-1 | Acetone | ND | 250 | 58 | ug/kg | |
| 71-43-2 | Benzene | ND | 25 | 6.3 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 100 | 10 | ug/kg | |
| 75-25-2 | Bromoform | ND | 100 | 24 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 100 | 34 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 250 | 59 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 100 | 11 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 100 | 4.7 | ug/kg | |
| 67-66-3 | Chloroform | ND | 100 | 7.4 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 250 | 250 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 100 | 33 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 100 | 9.6 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 100 | 7.6 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 100 | 7.3 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 100 | 16 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 100 | 14 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 100 | 13 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 100 | 11 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 100 | 6.5 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 250 | 7.9 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 250 | 8.1 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 100 | 31 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 250 | 42 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 100 | 18 | ug/kg | |
| 100-42-5 | Styrene | ND | 250 | 25 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 250 | 50 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 100 | 8.8 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 100 | 8.4 | ug/kg | |
| 108-88-3 | Toluene | ND | 250 | 9.0 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 100 | 9.2 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 100 | 13 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 100 | 9.8 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 100 | 32 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 100 | 6.3 | ug/kg | |

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2248-MB | E55266.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 88% 70-130% |
| 2037-26-5 | Toluene-D8 | 101% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% 70-130% |

4.1.2
4

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV63-MB | V1516.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | 6.9 | 5.0 | 1.2 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 2.0 | 0.21 | ug/kg | |
| 75-25-2 | Bromoform | ND | 2.0 | 0.47 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 2.0 | 0.68 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 5.0 | 1.2 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 2.0 | 0.22 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 2.0 | 0.094 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 5.0 | 5.0 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 2.0 | 0.65 | ug/kg | |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.19 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 2.0 | 0.23 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.13 | ug/kg | |
| 98-82-8 | Isopropylbenzene | ND | 5.0 | 0.16 | ug/kg | |
| 99-87-6 | p-Isopropyltoluene | ND | 5.0 | 0.16 | ug/kg | |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2.0 | 0.62 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 5.0 | 0.84 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 2.0 | 0.36 | ug/kg | |
| 100-42-5 | Styrene | ND | 5.0 | 0.50 | ug/kg | |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | 0.18 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.13 | ug/kg | |

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV63-MB | V1516.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|-------------|
| 1868-53-7 | Dibromofluoromethane | 88% 70-130% |
| 2037-26-5 | Toluene-D8 | 89% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 87% 70-130% |

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV62-BS | V1487.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|-----------|-----------------------------|-------------|-----------|-------|--------|
| 67-64-1 | Acetone | 50 | 63.5 | 127 | 70-130 |
| 71-43-2 | Benzene | 50 | 46.8 | 94 | 70-130 |
| 75-27-4 | Bromodichloromethane | 50 | 49.9 | 100 | 70-130 |
| 75-25-2 | Bromoform | 50 | 58.7 | 117 | 70-130 |
| 74-83-9 | Bromomethane | 50 | 49.7 | 99 | 70-130 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 40.1 | 80 | 70-130 |
| 56-23-5 | Carbon tetrachloride | 50 | 54.9 | 110 | 70-130 |
| 108-90-7 | Chlorobenzene | 50 | 57.9 | 116 | 70-130 |
| 67-66-3 | Chloroform | 50 | 46.5 | 93 | 70-130 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 53.3 | 107 | 70-130 |
| 124-48-1 | Dibromochloromethane | 50 | 60.5 | 121 | 70-130 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 61.5 | 123 | 70-130 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 42.9 | 86 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 53.2 | 106 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 46.6 | 93 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 43.8 | 88 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 44.2 | 88 | 70-130 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 46.9 | 94 | 70-130 |
| 100-41-4 | Ethylbenzene | 50 | 60.2 | 120 | 70-130 |
| 98-82-8 | Isopropylbenzene | 50 | 63.5 | 127 | 70-130 |
| 99-87-6 | p-Isopropyltoluene | 50 | 63.5 | 127 | 70-130 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 44.8 | 90 | 70-130 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 47.6 | 95 | 70-130 |
| 75-09-2 | Methylene chloride | 50 | 36.9 | 74 | 70-130 |
| 100-42-5 | Styrene | 50 | 61.1 | 122 | 70-130 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 62.2 | 124 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 55.5 | 111 | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 63.4 | 127 | 70-130 |
| 108-88-3 | Toluene | 50 | 47.1 | 94 | 70-130 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 45.1 | 90 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 49.7 | 99 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 51.8 | 104 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 45.3 | 91 | 70-130 |
| 1330-20-7 | Xylene (total) | 150 | 182 | 121 | 70-130 |

Blank Spike Summary

Job Number: MC3036
Account: GGSVAVB Global General Services
Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV62-BS | V1487.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | 70-130% |
| 2037-26-5 | Toluene-D8 | 92% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 70-130% |

4.2.1
4

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV63-BS | V1514.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|-----------|-----------------------------|-------------|-----------|--------|--------|
| 67-64-1 | Acetone | 50 | 68.7 | 137* a | 70-130 |
| 71-43-2 | Benzene | 50 | 46.8 | 94 | 70-130 |
| 75-27-4 | Bromodichloromethane | 50 | 47.1 | 94 | 70-130 |
| 75-25-2 | Bromoform | 50 | 62.6 | 125 | 70-130 |
| 74-83-9 | Bromomethane | 50 | 46.4 | 93 | 70-130 |
| 78-93-3 | 2-Butanone (MEK) | 50 | 41.3 | 83 | 70-130 |
| 56-23-5 | Carbon tetrachloride | 50 | 49.0 | 98 | 70-130 |
| 108-90-7 | Chlorobenzene | 50 | 60.6 | 121 | 70-130 |
| 67-66-3 | Chloroform | 50 | 43.2 | 86 | 70-130 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 50 | 53.1 | 106 | 70-130 |
| 124-48-1 | Dibromochloromethane | 50 | 62.5 | 125 | 70-130 |
| 106-93-4 | 1,2-Dibromoethane | 50 | 63.3 | 127 | 70-130 |
| 75-34-3 | 1,1-Dichloroethane | 50 | 41.5 | 83 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 44.8 | 90 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 51.4 | 103 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 44.5 | 89 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 46.3 | 93 | 70-130 |
| 78-87-5 | 1,2-Dichloropropane | 50 | 45.0 | 90 | 70-130 |
| 100-41-4 | Ethylbenzene | 50 | 61.1 | 122 | 70-130 |
| 98-82-8 | Isopropylbenzene | 50 | 65.7 | 131* a | 70-130 |
| 99-87-6 | p-Isopropyltoluene | 50 | 64.2 | 128 | 70-130 |
| 1634-04-4 | Methyl Tert Butyl Ether | 50 | 43.3 | 87 | 70-130 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 50 | 45.2 | 90 | 70-130 |
| 75-09-2 | Methylene chloride | 50 | 37.5 | 75 | 70-130 |
| 100-42-5 | Styrene | 50 | 63.8 | 128 | 70-130 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 50 | 61.8 | 124 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 56.4 | 113 | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 66.3 | 133* a | 70-130 |
| 108-88-3 | Toluene | 50 | 47.0 | 94 | 70-130 |
| 71-55-6 | 1,1,1-Trichloroethane | 50 | 41.7 | 83 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 48.2 | 96 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 50.2 | 100 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 41.6 | 83 | 70-130 |
| 1330-20-7 | Xylene (total) | 150 | 190 | 127 | 70-130 |

4.2.2
4

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV63-BS | V1514.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 70-130% |
| 2037-26-5 | Toluene-D8 | 91% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 88% | 70-130% |

(a) Outside control limits. Blank Spike meets program technical requirements.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2248-BS | E55263.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MSE2248-BSD | E55264.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|-----------|-----------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 67-64-1 | Acetone | 2500 | 2320 | 93 | 2540 | 102 | 9 | 70-130/25 |
| 71-43-2 | Benzene | 2500 | 2490 | 100 | 2610 | 104 | 5 | 70-130/25 |
| 75-27-4 | Bromodichloromethane | 2500 | 2590 | 104 | 2600 | 104 | 0 | 70-130/25 |
| 75-25-2 | Bromoform | 2500 | 2350 | 94 | 2440 | 98 | 4 | 70-130/25 |
| 74-83-9 | Bromomethane | 2500 | 3030 | 121 | 2850 | 114 | 6 | 70-130/25 |
| 78-93-3 | 2-Butanone (MEK) | 2500 | 2180 | 87 | 2230 | 89 | 2 | 70-130/25 |
| 56-23-5 | Carbon tetrachloride | 2500 | 2570 | 103 | 2670 | 107 | 4 | 70-130/25 |
| 108-90-7 | Chlorobenzene | 2500 | 2500 | 100 | 2530 | 101 | 1 | 70-130/25 |
| 67-66-3 | Chloroform | 2500 | 2590 | 104 | 2600 | 104 | 0 | 70-130/25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | 2500 | 2370 | 95 | 2460 | 98 | 4 | 70-130/25 |
| 124-48-1 | Dibromochloromethane | 2500 | 2420 | 97 | 2540 | 102 | 5 | 70-130/25 |
| 106-93-4 | 1,2-Dibromoethane | 2500 | 2360 | 94 | 2410 | 96 | 2 | 70-130/25 |
| 75-34-3 | 1,1-Dichloroethane | 2500 | 2580 | 103 | 2630 | 105 | 2 | 70-130/25 |
| 107-06-2 | 1,2-Dichloroethane | 2500 | 2440 | 98 | 2550 | 102 | 4 | 70-130/25 |
| 75-35-4 | 1,1-Dichloroethene | 2500 | 2890 | 116 | 2890 | 116 | 0 | 70-130/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 2500 | 2450 | 98 | 2550 | 102 | 4 | 70-130/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 2500 | 2490 | 100 | 2580 | 103 | 4 | 70-130/25 |
| 78-87-5 | 1,2-Dichloropropane | 2500 | 2380 | 95 | 2510 | 100 | 5 | 70-130/25 |
| 100-41-4 | Ethylbenzene | 2500 | 2600 | 104 | 2650 | 106 | 2 | 70-130/25 |
| 98-82-8 | Isopropylbenzene | 2500 | 3300 | 132* a | 3310 | 132* a | 0 | 70-130/25 |
| 99-87-6 | p-Isopropyltoluene | 2500 | 3290 | 132* a | 3260 | 130 | 1 | 70-130/25 |
| 1634-04-4 | Methyl Tert Butyl Ether | 2500 | 2500 | 100 | 2530 | 101 | 1 | 70-130/25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | 2500 | 2230 | 89 | 2360 | 94 | 6 | 70-130/25 |
| 75-09-2 | Methylene chloride | 2500 | 2570 | 103 | 2610 | 104 | 2 | 70-130/25 |
| 100-42-5 | Styrene | 2500 | 2530 | 101 | 2590 | 104 | 2 | 70-130/25 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 2500 | 2470 | 99 | 2500 | 100 | 1 | 70-130/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2500 | 2350 | 94 | 2400 | 96 | 2 | 70-130/25 |
| 127-18-4 | Tetrachloroethene | 2500 | 2600 | 104 | 2640 | 106 | 2 | 70-130/25 |
| 108-88-3 | Toluene | 2500 | 2570 | 103 | 2620 | 105 | 2 | 70-130/25 |
| 71-55-6 | 1,1,1-Trichloroethane | 2500 | 2590 | 104 | 2660 | 106 | 3 | 70-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 2500 | 2310 | 92 | 2480 | 99 | 7 | 70-130/25 |
| 79-01-6 | Trichloroethene | 2500 | 2440 | 98 | 2580 | 103 | 6 | 70-130/25 |
| 75-01-4 | Vinyl chloride | 2500 | 2900 | 116 | 2750 | 110 | 5 | 70-130/25 |
| 1330-20-7 | Xylene (total) | 7500 | 7950 | 106 | 8110 | 108 | 2 | 70-130/25 |

4.3.1
4

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2248-BS | E55263.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MSE2248-BSD | E55264.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 91% | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 107% | 103% | 70-130% |

(a) Outside control limits. Blank Spike meets program technical requirements.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC3134-1MS | V1494.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| MC3134-1MSD | V1495.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| MC3134-1 | V1489.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Compound | MC3134-1 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-----------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-------|-------------------|
| 67-64-1 | Acetone | 31.0 | 72.3 | 71.7 | 56* a | 68.3 | 58* a | 5 | 70-130/30 |
| 71-43-2 | Benzene | 1.1 | 72.3 | 73.1 | 100 | 61.4 | 93 | 17 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | 72.3 | 77.2 | 107 | 64.5 | 100 | 18 | 70-130/30 |
| 75-25-2 | Bromoforn | ND | 72.3 | 87.5 | 121 | 75.3 | 116 | 15 | 70-130/30 |
| 74-83-9 | Bromomethane | ND | 72.3 | 76.3 | 106 | 65.2 | 101 | 16 | 70-130/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | 72.3 | 91.1 | 126 | 88.4 | 137* a | 3 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | ND | 72.3 | 88.1 | 122 | 70.5 | 109 | 22 | 70-130/30 |
| 108-90-7 | Chlorobenzene | ND | 72.3 | 93.6 | 130 | 74.3 | 115 | 23 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 72.3 | 77.2 | 107 | 63.6 | 98 | 19 | 70-130/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 72.3 | 95.6 | 132* a | 90.1 | 139* a | 6 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | ND | 72.3 | 112 | 155* a | 94.8 | 146* a | 17 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | 72.3 | 116 | 161* a | 99.0 | 153* a | 16 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | 72.3 | 69.6 | 96 | 57.7 | 89 | 19 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 72.3 | 91.7 | 127 | 76.0 | 117 | 19 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 72.3 | 77.1 | 107 | 63.1 | 97 | 20 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 72.3 | 68.1 | 94 | 55.6 | 86 | 20 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 72.3 | 70.8 | 98 | 57.5 | 89 | 21 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | 72.3 | 71.8 | 99 | 60.1 | 93 | 18 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 0.73 | 72.3 | 110 | 151* a | 90.6 | 139* a | 19 | 70-130/30 |
| 98-82-8 | Isopropylbenzene | ND | 72.3 | 225 | 311* a | 193 | 298* a | 15 | 70-130/30 |
| 99-87-6 | p-Isopropyltoluene | ND | 72.3 | 196 | 271* a | 163 | 252* a | 18 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 72.3 | 81.3 | 113 | 70.0 | 108 | 15 | 70-130/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 72.3 | 97.2 | 135* a | 90.3 | 140* a | 7 | 70-130/30 |
| 75-09-2 | Methylene chloride | ND | 72.3 | 69.1 | 96 | 58.4 | 90 | 17 | 70-130/30 |
| 100-42-5 | Styrene | ND | 72.3 | 81.5 | 113 | 57.8 | 89 | 34* b | 70-130/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 72.3 | 112 | 155* a | 94.7 | 146* a | 17 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 72.3 | 168 | 232* a | 156 | 241* a | 7 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 72.3 | 126 | 174* a | 104 | 161* a | 19 | 70-130/30 |
| 108-88-3 | Toluene | 1.6 | 72.3 | 70.5 | 95 | 59.3 | 89 | 17 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 72.3 | 72.7 | 101 | 58.7 | 91 | 21 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 72.3 | 75.4 | 104 | 64.4 | 99 | 16 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 72.3 | 78.3 | 108 | 63.4 | 98 | 21 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 72.3 | 68.0 | 94 | 57.9 | 89 | 16 | 70-130/30 |
| 1330-20-7 | Xylene (total) | 1.9 | 217 | 315 | 144* a | 260 | 133* a | 19 | 70-130/30 |

4.4.1
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC3134-1MS | V1494.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| MC3134-1MSD | V1495.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| MC3134-1 | V1489.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-1

| CAS No. | Surrogate Recoveries | MS | MSD | MC3134-1 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | 104% | 93% | 70-130% |
| 2037-26-5 | Toluene-D8 | 84% | 85% | 87% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 118% | 130% | 107% | 70-130% |

- (a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
- (b) High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MC3062-7MS | E55283.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MC3062-7MSD | E55284.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MC3062-7 | E55275.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Compound | MC3062-7 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-----------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-------|-------------------|
| 67-64-1 | Acetone | ND | 2820 | 2580 | 91 | 2150 | 76 | 18 | 70-130/30 |
| 71-43-2 | Benzene | ND | 2820 | 2910 | 103 | 2840 | 101 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | 2820 | 2800 | 99 | 2870 | 102 | 2 | 70-130/30 |
| 75-25-2 | Bromoforn | ND | 2820 | 2600 | 92 | 2570 | 91 | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | ND | 2820 | 3130 | 111 | 3130 | 111 | 0 | 70-130/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | 2820 | 2490 | 88 | 1990 | 70 | 22 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | ND | 2820 | 3110 | 110 | 3000 | 106 | 4 | 70-130/30 |
| 108-90-7 | Chlorobenzene | ND | 2820 | 2890 | 102 | 2780 | 98 | 4 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 2820 | 2880 | 102 | 2810 | 99 | 2 | 70-130/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2820 | 1680 | 59* a | 2480 | 88 | 38* b | 70-130/30 |
| 124-48-1 | Dibromochloromethane | ND | 2820 | 2790 | 99 | 2670 | 95 | 4 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | 2820 | 2610 | 92 | 2570 | 91 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | 2820 | 2940 | 104 | 2840 | 101 | 3 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 2820 | 2760 | 98 | 2720 | 96 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 2820 | 3290 | 116 | 3200 | 113 | 3 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | 175 | 2820 | 2910 | 97 | 2860 | 95 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2820 | 2970 | 105 | 2740 | 97 | 8 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | 2820 | 2830 | 100 | 2760 | 98 | 3 | 70-130/30 |
| 100-41-4 | Ethylbenzene | ND | 2820 | 3000 | 106 | 2860 | 101 | 5 | 70-130/30 |
| 98-82-8 | Isopropylbenzene | ND | 2820 | 3750 | 133* a | 3680 | 130 | 2 | 70-130/30 |
| 99-87-6 | p-Isopropyltoluene | ND | 2820 | 3430 | 121 | 3470 | 123 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 2820 | 2690 | 95 | 2620 | 93 | 3 | 70-130/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 2820 | 2310 | 82 | 2590 | 92 | 11 | 70-130/30 |
| 75-09-2 | Methylene chloride | ND | 2820 | 2900 | 103 | 2860 | 101 | 1 | 70-130/30 |
| 100-42-5 | Styrene | ND | 2820 | 2840 | 101 | 2760 | 98 | 3 | 70-130/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 2820 | 2720 | 96 | 2750 | 97 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2820 | 2580 | 91 | 2560 | 91 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 2820 | 3170 | 112 | 2960 | 105 | 7 | 70-130/30 |
| 108-88-3 | Toluene | ND | 2820 | 2990 | 106 | 2900 | 103 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2820 | 2990 | 106 | 2920 | 103 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2820 | 2650 | 94 | 2760 | 98 | 4 | 70-130/30 |
| 79-01-6 | Trichloroethene | 1080 | 2820 | 4270 | 113 | 3920 | 101 | 9 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 2820 | 3120 | 110 | 2940 | 104 | 6 | 70-130/30 |
| 1330-20-7 | Xylene (total) | ND | 8470 | 9230 | 109 | 8650 | 102 | 6 | 70-130/30 |

4.4.2
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MC3062-7MS | E55283.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MC3062-7MSD | E55284.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |
| MC3062-7 | E55275.D | 1 | 08/30/11 | GK | n/a | n/a | MSE2248 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-3

| CAS No. | Surrogate Recoveries | MS | MSD | MC3062-7 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 80% | 80% | 88% | 70-130% |
| 2037-26-5 | Toluene-D8 | 94% | 94% | 104% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 96% | 106% | 70-130% |

- (a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
- (b) High RPD due to possible matrix interference and/or sample non-homogeneity.

4.4.2
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC3036-2MS | V1519.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |
| MC3036-2MSD | V1520.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |
| MC3036-2 | V1517.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Compound | MC3036-2 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|-----------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 67-64-1 | Acetone | ND | 54.6 | 33.0 | 60* a | 28.7 | 58* a | 14 | 70-130/30 |
| 71-43-2 | Benzene | ND | 54.6 | 48.5 | 89 | 43.5 | 88 | 11 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | ND | 54.6 | 49.2 | 90 | 43.5 | 88 | 12 | 70-130/30 |
| 75-25-2 | Bromoform | ND | 54.6 | 72.1 | 132* a | 64.0 | 129 | 12 | 70-130/30 |
| 74-83-9 | Bromomethane | ND | 54.6 | 49.0 | 90 | 42.3 | 85 | 15 | 70-130/30 |
| 78-93-3 | 2-Butanone (MEK) | ND | 54.6 | 57.4 | 105 | 51.4 | 104 | 11 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | ND | 54.6 | 50.2 | 92 | 45.6 | 92 | 10 | 70-130/30 |
| 108-90-7 | Chlorobenzene | ND | 54.6 | 60.9 | 112 | 55.3 | 111 | 10 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 54.6 | 45.5 | 83 | 40.2 | 81 | 12 | 70-130/30 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 54.6 | 71.6 | 131* a | 64.5 | 130 | 10 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | ND | 54.6 | 68.2 | 125 | 60.6 | 122 | 12 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane | ND | 54.6 | 72.8 | 133* a | 64.7 | 130 | 12 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | ND | 54.6 | 43.5 | 80 | 38.6 | 78 | 12 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 54.6 | 50.1 | 92 | 43.5 | 88 | 14 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 54.6 | 54.7 | 100 | 48.6 | 98 | 12 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 54.6 | 47.1 | 86 | 41.4 | 83 | 13 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 54.6 | 49.2 | 90 | 44.1 | 89 | 11 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | ND | 54.6 | 47.0 | 86 | 41.9 | 84 | 11 | 70-130/30 |
| 100-41-4 | Ethylbenzene | ND | 54.6 | 60.4 | 111 | 56.0 | 113 | 8 | 70-130/30 |
| 98-82-8 | Isopropylbenzene | ND | 54.6 | 62.9 | 115 | 59.6 | 120 | 5 | 70-130/30 |
| 99-87-6 | p-Isopropyltoluene | ND | 54.6 | 60.2 | 110 | 56.9 | 115 | 6 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 54.6 | 49.8 | 91 | 43.9 | 88 | 13 | 70-130/30 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 54.6 | 61.0 | 112 | 54.1 | 109 | 12 | 70-130/30 |
| 75-09-2 | Methylene chloride | ND | 54.6 | 40.9 | 75 | 35.8 | 72 | 13 | 70-130/30 |
| 100-42-5 | Styrene | ND | 54.6 | 62.1 | 114 | 53.9 | 109 | 14 | 70-130/30 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | 54.6 | 61.5 | 113 | 55.8 | 112 | 10 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 54.6 | 68.7 | 126 | 61.8 | 125 | 11 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 54.6 | 66.2 | 121 | 61.3 | 124 | 8 | 70-130/30 |
| 108-88-3 | Toluene | ND | 54.6 | 47.9 | 88 | 43.6 | 88 | 9 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 54.6 | 42.6 | 78 | 38.7 | 78 | 10 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 54.6 | 54.9 | 101 | 48.3 | 97 | 13 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 54.6 | 51.9 | 95 | 46.7 | 94 | 11 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 54.6 | 43.9 | 80 | 38.5 | 78 | 13 | 70-130/30 |
| 1330-20-7 | Xylene (total) | ND | 164 | 187 | 114 | 173 | 116 | 8 | 70-130/30 |

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC3036-2MS | V1519.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |
| MC3036-2MSD | V1520.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |
| MC3036-2 | V1517.D | 1 | 08/31/11 | AMY | n/a | n/a | MSV63 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC3036-2

| CAS No. | Surrogate Recoveries | MS | MSD | MC3036-2 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | 89% | 89% | 70-130% |
| 2037-26-5 | Toluene-D8 | 92% | 89% | 87% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 88% | 88% | 85% | 70-130% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

4.4.3
4

Volatile Surrogate Recovery Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---------------|-------------|-------|-------|-------|
| MC3036-1 | V1505.D | 99.0 | 93.0 | 91.0 |
| MC3036-2 | V1517.D | 89.0 | 87.0 | 85.0 |
| MC3036-3 | E55274.D | 88.0 | 101.0 | 101.0 |
| MC3036-2MS | V1519.D | 90.0 | 92.0 | 88.0 |
| MC3036-2MSD | V1520.D | 89.0 | 89.0 | 88.0 |
| MC3062-7MS | E55283.D | 80.0 | 94.0 | 98.0 |
| MC3062-7MSD | E55284.D | 80.0 | 94.0 | 96.0 |
| MC3134-1MS | V1494.D | 106.0 | 84.0 | 118.0 |
| MC3134-1MSD | V1495.D | 104.0 | 85.0 | 130.0 |
| MSE2248-BS | E55263.D | 88.0 | 100.0 | 107.0 |
| MSE2248-BSD | E55264.D | 91.0 | 105.0 | 103.0 |
| MSE2248-MB | E55266.D | 88.0 | 101.0 | 99.0 |
| MSV62-BS | V1487.D | 92.0 | 92.0 | 90.0 |
| MSV62-MB | V1488.D | 89.0 | 90.0 | 89.0 |
| MSV63-BS | V1514.D | 89.0 | 91.0 | 88.0 |
| MSV63-MB | V1516.D | 88.0 | 89.0 | 87.0 |

Surrogate Compounds

Recovery Limits

| | |
|---------------------------|---------|
| S1 = Dibromofluoromethane | 70-130% |
| S2 = Toluene-D8 | 70-130% |
| S3 = 4-Bromofluorobenzene | 70-130% |

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP26129-MB | S26832.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|-----------------------------|--------|-----|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 170 | 8.9 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 330 | 20 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 330 | 33 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 670 | 170 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 330 | 31 | ug/kg | |
| 108-95-2 | Phenol | ND | 170 | 28 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 330 | 25 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 330 | 23 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 170 | 14 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 170 | 12 | ug/kg | |
| 120-12-7 | Anthracene | ND | 170 | 13 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 170 | 6.1 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 170 | 10 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 170 | 19 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 170 | 11 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 170 | 4.9 | ug/kg | |
| 92-52-4 | 1,1'-Biphenyl | ND | 330 | 330 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 330 | 83 | ug/kg | |
| 218-01-9 | Chrysene | ND | 170 | 5.4 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 170 | 3.6 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 170 | 16 | ug/kg | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 170 | 13 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 170 | 14 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 170 | 14 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 330 | 83 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 170 | 4.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 170 | 11 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 170 | 14 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 170 | 12 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 170 | 11 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 170 | 5.7 | ug/kg | |
| 86-73-7 | Fluorene | ND | 170 | 3.7 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 170 | 14 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 170 | 13 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 170 | 14 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 170 | 10 | ug/kg | |

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP26129-MB | S26832.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|--------|-----|-----|-------|---|
| 91-57-6 | 2-Methylnaphthalene | ND | 170 | 14 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 170 | 3.9 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 170 | 4.3 | ug/kg | |
| 129-00-0 | Pyrene | ND | 170 | 5.4 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 170 | 14 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 70% | 30-130% |
| 4165-62-2 | Phenol-d5 | 71% | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 69% | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 67% | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 68% | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 74% | 30-130% |

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP26129-BS | S26833.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|-----------------------------|----------------|--------------|----------|--------|
| 95-57-8 | 2-Chlorophenol | 4980 | 2620 | 53 | 30-130 |
| 120-83-2 | 2,4-Dichlorophenol | 4980 | 2860 | 57 | 30-130 |
| 105-67-9 | 2,4-Dimethylphenol | 4980 | 3090 | 62 | 30-130 |
| 51-28-5 | 2,4-Dinitrophenol | 4980 | 2540 | 51 | 30-130 |
| 87-86-5 | Pentachlorophenol | 4980 | 2990 | 60 | 30-130 |
| 108-95-2 | Phenol | 4980 | 2910 | 58 | 30-130 |
| 95-95-4 | 2,4,5-Trichlorophenol | 4980 | 3120 | 63 | 30-130 |
| 88-06-2 | 2,4,6-Trichlorophenol | 4980 | 3040 | 61 | 30-130 |
| 83-32-9 | Acenaphthene | 2490 | 1420 | 57 | 40-140 |
| 208-96-8 | Acenaphthylene | 2490 | 1070 | 43 | 40-140 |
| 120-12-7 | Anthracene | 2490 | 1500 | 60 | 40-140 |
| 56-55-3 | Benzo(a)anthracene | 2490 | 1570 | 63 | 40-140 |
| 50-32-8 | Benzo(a)pyrene | 2490 | 1340 | 54 | 40-140 |
| 205-99-2 | Benzo(b)fluoranthene | 2490 | 1470 | 59 | 40-140 |
| 191-24-2 | Benzo(g,h,i)perylene | 2490 | 1470 | 59 | 40-140 |
| 207-08-9 | Benzo(k)fluoranthene | 2490 | 1480 | 59 | 40-140 |
| 92-52-4 | 1,1'-Biphenyl | 2490 | 1350 | 54 | 40-140 |
| 106-47-8 | 4-Chloroaniline | 2490 | 1330 | 53 | 40-140 |
| 218-01-9 | Chrysene | 2490 | 1540 | 62 | 40-140 |
| 111-44-4 | bis(2-Chloroethyl)ether | 2490 | 1280 | 51 | 40-140 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | 2490 | 1290 | 52 | 40-140 |
| 95-50-1 | 1,2-Dichlorobenzene | 2490 | 1180 | 47 | 40-140 |
| 541-73-1 | 1,3-Dichlorobenzene | 2490 | 1140 | 46 | 40-140 |
| 106-46-7 | 1,4-Dichlorobenzene | 2490 | 1140 | 46 | 40-140 |
| 121-14-2 | 2,4-Dinitrotoluene | 2490 | 3070 | 123 | 40-140 |
| 91-94-1 | 3,3'-Dichlorobenzidine | 2490 | 1590 | 64 | 40-140 |
| 53-70-3 | Dibenzo(a,h)anthracene | 2490 | 1490 | 60 | 40-140 |
| 84-66-2 | Diethyl phthalate | 2490 | 1520 | 61 | 40-140 |
| 131-11-3 | Dimethyl phthalate | 2490 | 1460 | 59 | 40-140 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | 2490 | 1570 | 63 | 40-140 |
| 206-44-0 | Fluoranthene | 2490 | 1600 | 64 | 40-140 |
| 86-73-7 | Fluorene | 2490 | 1470 | 59 | 40-140 |
| 118-74-1 | Hexachlorobenzene | 2490 | 2980 | 120 | 40-140 |
| 87-68-3 | Hexachlorobutadiene | 2490 | 2510 | 101 | 40-140 |
| 67-72-1 | Hexachloroethane | 2490 | 2250 | 90 | 40-140 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 2490 | 1500 | 60 | 40-140 |

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP26129-BS | S26833.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|------------------------|----------------|--------------|----------|--------|
| 91-57-6 | 2-Methylnaphthalene | 2490 | 1330 | 53 | 40-140 |
| 91-20-3 | Naphthalene | 2490 | 1310 | 53 | 40-140 |
| 85-01-8 | Phenanthrene | 2490 | 1490 | 60 | 40-140 |
| 129-00-0 | Pyrene | 2490 | 1620 | 65 | 40-140 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2490 | 1510 | 61 | 40-140 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 367-12-4 | 2-Fluorophenol | 51% | 30-130% |
| 4165-62-2 | Phenol-d5 | 52% | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 62% | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 50% | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 53% | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 60% | 30-130% |

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26129-MS | S26836.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| OP26129-MSD | S26837.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| MC3036-1 | S26835.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| MC3036-1 | S26835A.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1155 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | MC3036-1 ug/kg | Spike Q | ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|-----------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-----|-------------------|
| 95-57-8 | 2-Chlorophenol | ND | | 5110 | 2900 | 57 | 2860 | 57 | 1 | 30-130/30 |
| 120-83-2 | 2,4-Dichlorophenol | ND | | 5110 | 3140 | 61 | 3120 | 62 | 1 | 30-130/30 |
| 105-67-9 | 2,4-Dimethylphenol | ND | | 5110 | 3480 | 68 | 3450 | 69 | 1 | 30-130/30 |
| 51-28-5 | 2,4-Dinitrophenol | ND | | 5110 | 886 | 17* a | 692 | 14* a | 25 | 30-130/30 |
| 87-86-5 | Pentachlorophenol | ND | | 5110 | 2690 | 53 | 2590 | 52 | 4 | 30-130/30 |
| 108-95-2 | Phenol | ND | | 5110 | 3160 | 62 | 3290 | 66 | 4 | 30-130/30 |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | 5110 | 3200 | 63 | 3200 | 64 | 0 | 30-130/30 |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | 5110 | 3270 | 64 | 3220 | 64 | 2 | 30-130/30 |
| 83-32-9 | Acenaphthene | ND | | 2560 | 1640 | 64 | 1620 | 65 | 1 | 40-140/30 |
| 208-96-8 | Acenaphthylene | ND | | 2560 | 1220 | 48 | 1200 | 48 | 2 | 40-140/30 |
| 120-12-7 | Anthracene | ND | | 2560 | 1630 | 64 | 1740 | 69 | 7 | 40-140/30 |
| 56-55-3 | Benzo(a)anthracene | ND | | 2560 | 1690 | 66 | 1840 | 73 | 8 | 40-140/30 |
| 50-32-8 | Benzo(a)pyrene | ND | | 2560 | 1460 | 57 | 1580 | 63 | 8 | 40-140/30 |
| 205-99-2 | Benzo(b)fluoranthene | ND | | 2560 | 1700 | 67 | 1850 | 74 | 8 | 40-140/30 |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | 2560 | 1470 | 58 | 1640 | 65 | 11 | 40-140/30 |
| 207-08-9 | Benzo(k)fluoranthene | ND | | 2560 | 1610 | 63 | 1740 | 69 | 8 | 40-140/30 |
| 92-52-4 | 1,1'-Biphenyl | ND | | 2560 | 1710 | 67 | 1640 | 65 | 4 | 40-140/30 |
| 106-47-8 | 4-Chloroaniline | ND | | 2560 | 1500 | 59 | 1530 | 61 | 2 | 40-140/30 |
| 218-01-9 | Chrysene | ND | | 2560 | 1670 | 65 | 1790 | 71 | 7 | 40-140/30 |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | | 2560 | 1670 | 65 | 1530 | 61 | 9 | 40-140/30 |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | | 2560 | 1540 | 60 | 1490 | 59 | 3 | 40-140/30 |
| 95-50-1 | 1,2-Dichlorobenzene | ND ^b | | 2560 | 1350 | 53 | 1270 | 51 | 6 | 40-140/30 |
| 541-73-1 | 1,3-Dichlorobenzene | ND ^b | | 2560 | 1270 | 50 | 1190 | 47 | 7 | 40-140/30 |
| 106-46-7 | 1,4-Dichlorobenzene | ND ^b | | 2560 | 1270 | 50 | 1200 | 48 | 6 | 40-140/30 |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | 2560 | 3280 | 128 | 3570 | 142* a | 8 | 40-140/30 |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND ^b | | 2560 | 1720 | 67 | 1750 | 70 | 2 | 40-140/30 |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | 2560 | 1540 | 60 | 1690 | 67 | 9 | 40-140/30 |
| 84-66-2 | Diethyl phthalate | ND | | 2560 | 1600 | 63 | 1730 | 69 | 8 | 40-140/30 |
| 131-11-3 | Dimethyl phthalate | ND | | 2560 | 1600 | 63 | 1660 | 66 | 4 | 40-140/30 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | | 2560 | 1710 | 67 | 1880 | 75 | 9 | 40-140/30 |
| 206-44-0 | Fluoranthene | ND | | 2560 | 1620 | 63 | 1800 | 72 | 11 | 40-140/30 |
| 86-73-7 | Fluorene | ND | | 2560 | 1600 | 63 | 1660 | 66 | 4 | 40-140/30 |
| 118-74-1 | Hexachlorobenzene | ND | | 2560 | 3290 | 129 | 3390 | 135 | 3 | 40-140/30 |
| 87-68-3 | Hexachlorobutadiene | ND | | 2560 | 3020 | 118 | 2810 | 112 | 7 | 40-140/30 |
| 67-72-1 | Hexachloroethane | ND | | 2560 | 2560 | 100 | 2380 | 95 | 7 | 40-140/30 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | 2560 | 1540 | 60 | 1700 | 68 | 10 | 40-140/30 |

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26129-MS | S26836.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| OP26129-MSD | S26837.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| MC3036-1 | S26835.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1154 |
| MC3036-1 | S26835A.D | 1 | 09/01/11 | KR | 08/29/11 | OP26129 | MSS1155 |

The QC reported here applies to the following samples:

Method: SW846 8270C

MC3036-1, MC3036-2

| CAS No. | Compound | MC3036-1 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 91-57-6 | 2-Methylnaphthalene | ND | 2560 | 1530 | 60 | 1480 | 59 | 3 | 40-140/30 |
| 91-20-3 | Naphthalene | ND | 2560 | 1550 | 61 | 1480 | 59 | 5 | 40-140/30 |
| 85-01-8 | Phenanthrene | ND | 2560 | 1610 | 63 | 1710 | 68 | 6 | 40-140/30 |
| 129-00-0 | Pyrene | ND | 2560 | 1780 | 70 | 1890 | 75 | 6 | 40-140/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND ^b | 2560 | 1770 | 69 | 1660 | 66 | 6 | 40-140/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC3036-1 | MC3036-1 | Limits |
|-----------|----------------------|-----|-----|----------|----------|---------|
| 367-12-4 | 2-Fluorophenol | 60% | 61% | 67% | 61% | 30-130% |
| 4165-62-2 | Phenol-d5 | 57% | 62% | 67% | 56% | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 67% | 69% | 71% | 81% | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 60% | 60% | 64% | 54% | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 63% | 62% | 66% | 71% | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 67% | 71% | 83% | 89% | 30-130% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

(b) Result is from Run #2.

5.3.1
5

Semivolatiles Surrogate Recovery Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

Method: SW846 8270C

Matrix: SO

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 | S4 | S5 | S6 |
|---------------|-------------|------|------|------|------|------|------|
| MC3036-1 | S26835.D | 67.0 | 67.0 | 71.0 | 64.0 | 66.0 | 83.0 |
| MC3036-1 | S26835A.D | 61.0 | 56.0 | 81.0 | 54.0 | 71.0 | 89.0 |
| MC3036-2 | S26834.D | 63.0 | 62.0 | 44.0 | 62.0 | 62.0 | 77.0 |
| MC3036-2 | S26834A.D | 57.0 | 52.0 | 51.0 | 53.0 | 67.0 | 82.0 |
| OP26129-BS | S26833.D | 51.0 | 52.0 | 62.0 | 50.0 | 53.0 | 60.0 |
| OP26129-MB | S26832.D | 70.0 | 71.0 | 69.0 | 67.0 | 68.0 | 74.0 |
| OP26129-MS | S26836.D | 60.0 | 57.0 | 67.0 | 60.0 | 63.0 | 67.0 |
| OP26129-MSD | S26837.D | 61.0 | 62.0 | 69.0 | 60.0 | 62.0 | 71.0 |

Surrogate Compounds

Recovery Limits

| | |
|---------------------------|---------|
| S1 = 2-Fluorophenol | 30-130% |
| S2 = Phenol-d5 | 30-130% |
| S3 = 2,4,6-Tribromophenol | 30-130% |
| S4 = Nitrobenzene-d5 | 30-130% |
| S5 = 2-Fluorobiphenyl | 30-130% |
| S6 = Terphenyl-d14 | 30-130% |

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26061-MB | BE27508.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |

The QC reported here applies to the following samples:

Method: SW846 8081

MC3036-1, MC3036-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------|--------|-----|-----|-------|---|
| 12789-03-6 | Chlordane | ND | 65 | 12 | ug/kg | |
| 60-57-1 | Dieldrin | ND | 6.5 | 1.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|-------------|
| 877-09-8 | Tetrachloro-m-xylene | 86% 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 92% 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 99% 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 97% 30-150% |

Method Blank Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26047-MB | BB37879.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2377 |

The QC reported here applies to the following samples:

Method: SW846 8082

MC3036-1, MC3036-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 95 | 13 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 95 | 14 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 95 | 18 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 95 | 6.5 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 95 | 2.5 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 95 | 15 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 95 | 3.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Results | Limits |
|-----------|----------------------|---------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 77% | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 82% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 80% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 89% | 30-150% |

Blank Spike Summary

Job Number: MC3036
Account: GGSVAVB Global General Services
Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26061-BS | BE27509.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |

The QC reported here applies to the following samples:

Method: SW846 8081

MC3036-1, MC3036-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|---------|----------|----------------|--------------|----------|--------|
| 60-57-1 | Dieldrin | 12.9 | 19.0 | 147* a | 40-140 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 877-09-8 | Tetrachloro-m-xylene | 67% | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 69% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 75% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 74% | 30-150% |

(a) Associated samples are non-detect for target analytes.

Blank Spike Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26047-BS | BB37880.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2377 |

The QC reported here applies to the following samples:

Method: SW846 8082

MC3036-1, MC3036-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|------------|--------------|----------------|--------------|----------|--------|
| 12674-11-2 | Aroclor 1016 | 253 | 237 | 94 | 40-140 |
| 11104-28-2 | Aroclor 1221 | | ND | | 40-140 |
| 11141-16-5 | Aroclor 1232 | | ND | | 40-140 |
| 53469-21-9 | Aroclor 1242 | | ND | | 40-140 |
| 12672-29-6 | Aroclor 1248 | | ND | | 40-140 |
| 11097-69-1 | Aroclor 1254 | | ND | | 40-140 |
| 11096-82-5 | Aroclor 1260 | 253 | 254 | 100 | 40-140 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 877-09-8 | Tetrachloro-m-xylene | 88% | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 98% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 91% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 98% | 30-150% |

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26061-MS | BE27510.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |
| OP26061-MSD | BE27511.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |
| MC3036-1 | BE27512.D | 1 | 08/30/11 | AP | 08/26/11 | OP26061 | GBE1537 |

The QC reported here applies to the following samples:

Method: SW846 8081

MC3036-1, MC3036-2

| CAS No. | Compound | MC3036-1 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|---------|----------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 60-57-1 | Dieldrin | ND | 13.8 | 20.8 | 151* a | 20.7 | 155* a | 0 | 30-150/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC3036-1 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 86% | 89% | 36% | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 91% | 97% | 38% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 80% | 82% | 33% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 86% | 91% | 35% | 30-150% |

(a) Outside control limits due to possible matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| OP26047-MS | BB37881.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2377 |
| OP26047-MSD | BB37882.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2377 |
| MC3026-1 | BB37883.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2377 |

The QC reported here applies to the following samples:

Method: SW846 8082

MC3036-1, MC3036-2

| CAS No. | Compound | MC3026-1 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|------------|--------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 12674-11-2 | Aroclor 1016 | ND | 800 | 467 | 58 | 407 | 53 | 14 | 40-140/50 |
| 11104-28-2 | Aroclor 1221 | ND | | ND | | ND | | nc | 40-140/50 |
| 11141-16-5 | Aroclor 1232 | ND | | ND | | ND | | nc | 40-140/50 |
| 53469-21-9 | Aroclor 1242 | ND | | ND | | ND | | nc | 40-140/50 |
| 12672-29-6 | Aroclor 1248 | ND | | ND | | ND | | nc | 40-140/50 |
| 11097-69-1 | Aroclor 1254 | ND | | ND | | ND | | nc | 40-140/50 |
| 11096-82-5 | Aroclor 1260 | ND | 800 | 470 | 59 | 396 | 51 | 17 | 40-140/50 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC3026-1 | Limits |
|-----------|----------------------|----------|----------|----------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 80% | 64% | 57% | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 75% | 70% | 59% | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 646% * a | 625% * a | 630% * a | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 58% | 52% | 48% | 30-150% |

(a) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

Semivolatile Surrogate Recovery Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

| | |
|---------------------------|-------------------|
| Method: SW846 8081 | Matrix: SO |
|---------------------------|-------------------|

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 ^a | S1 ^b | S2 ^a | S2 ^b |
|---------------|-------------|-----------------|-----------------|-----------------|-----------------|
| MC3036-1 | BE27512.D | 36.0 | 38.0 | 33.0 | 35.0 |
| MC3036-2 | BE27513.D | 73.0 | 81.0 | 54.0 | 68.0 |
| OP26061-BS | BE27509.D | 67.0 | 69.0 | 75.0 | 74.0 |
| OP26061-MB | BE27508.D | 86.0 | 92.0 | 99.0 | 97.0 |
| OP26061-MS | BE27510.D | 86.0 | 91.0 | 80.0 | 86.0 |
| OP26061-MSD | BE27511.D | 89.0 | 97.0 | 82.0 | 91.0 |

| Surrogate Compounds | Recovery Limits |
|---------------------|-----------------|
|---------------------|-----------------|

| | |
|---------------------------|---------|
| S1 = Tetrachloro-m-xylene | 30-150% |
| S2 = Decachlorobiphenyl | 30-150% |

- (a) Recovery from GC signal #1
- (b) Recovery from GC signal #2

6.4.1
6

Semivolatile Surrogate Recovery Summary

Job Number: MC3036

Account: GGSVAVB Global General Services

Project: Fill Material Samples NCBC Davisville Site 07, Calf Pasture Point Task Order WE33

Method: SW846 8082

Matrix: SO

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 ^a | S1 ^b | S2 ^a | S2 ^b |
|---------------|-------------|-----------------|-----------------|---------------------|-----------------|
| MC3036-1 | BB37905.D | 82.0 | 90.0 | 72.0 | 86.0 |
| MC3036-2 | BB37906.D | 74.0 | 82.0 | 66.0 | 78.0 |
| OP26047-BS | BB37880.D | 88.0 | 98.0 | 91.0 | 98.0 |
| OP26047-MB | BB37879.D | 77.0 | 82.0 | 80.0 | 89.0 |
| OP26047-MS | BB37881.D | 80.0 | 75.0 | 646.0* ^c | 58.0 |
| OP26047-MSD | BB37882.D | 64.0 | 70.0 | 625.0* ^c | 52.0 |

Surrogate Compounds **Recovery Limits**

S1 = Tetrachloro-m-xylene 30-150%
 S2 = Decachlorobiphenyl 30-150%

- (a) Recovery from GC signal #1
- (b) Recovery from GC signal #2
- (c) Outside control limits due to possible matrix interference. Confirmed by Matrix Spike/Matrix Spike Duplicate.

6.4.2
6

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

08/26/11

| Metal | RL | IDL | MDL | MB raw | final |
|------------|------|------|------|-----------|-------|
| Aluminum | 20 | 2.4 | 2.6 | | |
| Antimony | 1.0 | .12 | .12 | -0.11 | <1.0 |
| Arsenic | 1.0 | .083 | .11 | -0.040 | <1.0 |
| Barium | 5.0 | .1 | .1 | 0.16 | <5.0 |
| Beryllium | 0.40 | .024 | .026 | 0.0 | <0.40 |
| Boron | 10 | .051 | .06 | | |
| Cadmium | 0.40 | .018 | .018 | 0.0 | <0.40 |
| Calcium | 500 | 2.6 | 2.6 | | |
| Chromium | 1.0 | .066 | .076 | 0.060 | <1.0 |
| Cobalt | 5.0 | .016 | .016 | | |
| Copper | 2.5 | .13 | .15 | 0.080 | <2.5 |
| Gold | 5.0 | .22 | .22 | | |
| Iron | 10 | 1.4 | 1.4 | | |
| Lead | 1.0 | .12 | .15 | -0.010 | <1.0 |
| Magnesium | 500 | 7.1 | 7.1 | | |
| Manganese | 1.5 | .015 | .017 | 0.030 | <1.5 |
| Molybdenum | 10 | .022 | .036 | | |
| Nickel | 4.0 | .022 | .076 | 0.020 | <4.0 |
| Palladium | 5.0 | .24 | .31 | | |
| Platinum | 5.0 | .62 | .76 | | |
| Potassium | 500 | 8.6 | 8.6 | | |
| Selenium | 1.0 | .21 | .21 | -0.010 | <1.0 |
| Silicon | 10 | .22 | .22 | | |
| Silver | 0.50 | .076 | .11 | 0.0 | <0.50 |
| Sodium | 500 | 2.1 | 2.1 | | |
| Strontium | 1.0 | .03 | .035 | | |
| Thallium | 1.0 | .083 | .11 | 0.020 | <1.0 |
| Tin | 10 | .045 | .049 | | |
| Titanium | 5.0 | .061 | .061 | | |
| Tungsten | 10 | .77 | 1.3 | | |
| Vanadium | 1.0 | .12 | .14 | 0.030 | <1.0 |
| Zinc | 2.0 | .012 | .11 | 0.26 | <2.0 |

Associated samples MP17628: MC3036-1, MC3036-2

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC3036
Account: GGSVAVB - Global General Services
Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.1.1
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC3036
 Account: GGSVAVB - Global General Services
 Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 08/26/11 08/26/11

| Metal | MC2988-17A Original MS | Spikelot MPICP | % Rec | QC Limits | MC2988-17A Original DUP | RPD | QC Limits |
|------------|---------------------------|-------------------|----------|--------------|----------------------------|----------|--------------|
| Aluminum | anr | | | | | | |
| Antimony | 0.0 27.7 | 40.6 | 68.2 (a) | 75-125 | 0.0 0.0 | NC | 0-20 |
| Arsenic | 0.82 38.8 | 40.6 | 93.5 | 75-125 | 0.82 0.83 | 1.2 | 0-20 |
| Barium | 7.5 156 | 163 | 91.4 | 75-125 | 7.5 8.8 | 16.0 | 0-20 |
| Beryllium | 0.11 36.9 | 40.6 | 90.5 | 75-125 | 0.11 0.13 | 16.7 | 0-20 |
| Boron | | | | | | | |
| Cadmium | 0.14 38.3 | 40.6 | 93.9 | 75-125 | 0.14 0.27 | 63.4 (b) | 0-20 |
| Calcium | anr | | | | | | |
| Chromium | 4.8 46.3 | 40.6 | 102.1 | 75-125 | 4.8 6.2 | 25.5 (c) | 0-20 |
| Cobalt | anr | | | | | | |
| Copper | 4.9 43.5 | 40.6 | 95.0 | 75-125 | 4.9 11.5 | 80.5 (c) | 0-20 |
| Gold | | | | | | | |
| Iron | anr | | | | | | |
| Lead | 2.6 77.7 | 81.3 | 92.4 | 75-125 | 2.6 3.2 | 20.7 (b) | 0-20 |
| Magnesium | anr | | | | | | |
| Manganese | 79.3 109 | 40.6 | 73.1 (a) | 75-125 | 79.3 68.7 | 14.3 | 0-20 |
| Molybdenum | | | | | | | |
| Nickel | 8.7 56.7 | 40.6 | 118.1 | 75-125 | 8.7 8.3 | 4.7 | 0-20 |
| Palladium | | | | | | | |
| Platinum | | | | | | | |
| Potassium | anr | | | | | | |
| Selenium | 0.0 36.4 | 40.6 | 89.6 | 75-125 | 0.0 0.0 | NC | 0-20 |
| Silicon | | | | | | | |
| Silver | 0.0 15.7 | 16.3 | 96.6 | 75-125 | 0.0 0.0 | NC | 0-20 |
| Sodium | anr | | | | | | |
| Strontium | | | | | | | |
| Thallium | 0.0 37.1 | 40.6 | 91.3 | 75-125 | 0.0 0.0 | NC | 0-20 |
| Tin | | | | | | | |
| Titanium | | | | | | | |
| Tungsten | | | | | | | |
| Vanadium | 7.0 47.4 | 40.6 | 99.4 | 75-125 | 7.0 8.8 | 22.8 (c) | 0-20 |
| Zinc | 9.7 48.4 | 40.6 | 95.3 | 75-125 | 9.7 12.5 | 25.2 (c) | 0-20 |

Associated samples MP17628: MC3036-1, MC3036-2

7.12
 7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity. Post spike within acceptable range.
- (b) RPD acceptable due to low duplicate and sample concentrations.
- (c) High RPD due to possible matrix interference and/or sample non-homogeneity.

7.1.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

08/26/11

08/26/11

| Metal | BSP Result | Spikelot MPICP | % Rec | QC Limits | BSD Result | Spikelot MPICP | % Rec | BSD RPD | QC Limit |
|------------|------------|----------------|-------|-----------|------------|----------------|-------|---------|----------|
| Aluminum | anr | | | | | | | | |
| Antimony | 50.5 | 50 | 101.0 | 80-120 | 50.2 | 50 | 100.4 | 0.6 | 20 |
| Arsenic | 49.7 | 50 | 99.4 | 80-120 | 49.4 | 50 | 98.8 | 0.6 | 20 |
| Barium | 187 | 200 | 93.5 | 80-120 | 188 | 200 | 94.0 | 0.5 | 20 |
| Beryllium | 47.8 | 50 | 95.6 | 80-120 | 47.9 | 50 | 95.8 | 0.2 | 20 |
| Boron | | | | | | | | | |
| Cadmium | 49.6 | 50 | 99.2 | 80-120 | 49.5 | 50 | 99.0 | 0.2 | 20 |
| Calcium | anr | | | | | | | | |
| Chromium | 49.8 | 50 | 99.6 | 80-120 | 49.9 | 50 | 99.8 | 0.2 | 20 |
| Cobalt | anr | | | | | | | | |
| Copper | 49.9 | 50 | 99.8 | 80-120 | 49.2 | 50 | 98.4 | 1.4 | 20 |
| Gold | | | | | | | | | |
| Iron | anr | | | | | | | | |
| Lead | 98.2 | 100 | 98.2 | 80-120 | 97.4 | 100 | 97.4 | 0.8 | 20 |
| Magnesium | anr | | | | | | | | |
| Manganese | 51.7 | 50 | 103.4 | 80-120 | 52.0 | 50 | 104.0 | 0.6 | 20 |
| Molybdenum | | | | | | | | | |
| Nickel | 49.9 | 50 | 99.8 | 80-120 | 49.6 | 50 | 99.2 | 0.6 | 20 |
| Palladium | | | | | | | | | |
| Platinum | | | | | | | | | |
| Potassium | anr | | | | | | | | |
| Selenium | 47.8 | 50 | 95.6 | 80-120 | 47.5 | 50 | 95.0 | 0.6 | 20 |
| Silicon | | | | | | | | | |
| Silver | 20.6 | 20 | 103.0 | 80-120 | 20.6 | 20 | 103.0 | 0.0 | 20 |
| Sodium | anr | | | | | | | | |
| Strontium | | | | | | | | | |
| Thallium | 49.2 | 50 | 98.4 | 80-120 | 49.2 | 50 | 98.4 | 0.0 | 20 |
| Tin | | | | | | | | | |
| Titanium | | | | | | | | | |
| Tungsten | | | | | | | | | |
| Vanadium | 50.8 | 50 | 101.6 | 80-120 | 51.0 | 50 | 102.0 | 0.4 | 20 |
| Zinc | 48.3 | 50 | 96.6 | 80-120 | 48.3 | 50 | 96.6 | 0.0 | 20 |

Associated samples MP17628: MC3036-1, MC3036-2

7.1.3
7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date: 08/26/11

| Metal | LCS Result | Spikelot MPLCS72 | % Rec | QC Limits |
|------------|------------|------------------|-------|-----------|
| Aluminum | anr | | | |
| Antimony | 91.0 | 106 | 85.8 | 9-192 |
| Arsenic | 105 | 109 | 96.3 | 83-117 |
| Barium | 197 | 206 | 95.6 | 83-117 |
| Beryllium | 83.7 | 88.2 | 94.9 | 84-116 |
| Boron | | | | |
| Cadmium | 77.9 | 80.2 | 97.1 | 84-116 |
| Calcium | anr | | | |
| Chromium | 115 | 117 | 98.3 | 82-118 |
| Cobalt | anr | | | |
| Copper | 114 | 117 | 97.4 | 84-116 |
| Gold | | | | |
| Iron | anr | | | |
| Lead | 70.8 | 76.2 | 92.9 | 84-117 |
| Magnesium | anr | | | |
| Manganese | 347 | 350 | 99.1 | 83-117 |
| Molybdenum | | | | |
| Nickel | 68.4 | 71.2 | 96.1 | 83-117 |
| Palladium | | | | |
| Platinum | | | | |
| Potassium | anr | | | |
| Selenium | 123 | 127 | 96.9 | 80-120 |
| Silicon | | | | |
| Silver | 39.5 | 41 | 96.3 | 66-134 |
| Sodium | anr | | | |
| Strontium | | | | |
| Thallium | 251 | 266 | 94.4 | 81-119 |
| Tin | | | | |
| Titanium | | | | |
| Tungsten | | | | |
| Vanadium | 84.6 | 86.1 | 98.3 | 79-121 |
| Zinc | 253 | 280 | 90.4 | 82-118 |

Associated samples MP17628: MC3036-1, MC3036-2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: ug/l

Prep Date: 08/26/11

| Metal | MC2988-17A Original SDL 1:5 | | %DIF | QC Limits |
|------------|--------------------------------|------|----------|--------------|
| Aluminum | anr | | | |
| Antimony | 0.00 | 0.00 | NC | 0-10 |
| Arsenic | 10.0 | 14.0 | 40.0 (a) | 0-10 |
| Barium | 91.9 | 105 | 14.7 (b) | 0-10 |
| Beryllium | 1.30 | 0.00 | 100.0(a) | 0-10 |
| Boron | anr | | | |
| Cadmium | 1.70 | 1.40 | 17.6 (a) | 0-10 |
| Calcium | anr | | | |
| Chromium | 58.0 | 60.7 | 4.7 | 0-10 |
| Cobalt | anr | | | |
| Copper | 60.0 | 58.7 | 2.2 | 0-10 |
| Gold | anr | | | |
| Iron | anr | | | |
| Lead | 31.6 | 32.3 | 2.2 | 0-10 |
| Magnesium | anr | | | |
| Manganese | 968 | 982 | 1.4 | 0-10 |
| Molybdenum | anr | | | |
| Nickel | 107 | 109 | 1.8 | 0-10 |
| Palladium | anr | | | |
| Platinum | anr | | | |
| Potassium | anr | | | |
| Selenium | 0.00 | 0.00 | NC | 0-10 |
| Silicon | anr | | | |
| Silver | 0.00 | 0.00 | NC | 0-10 |
| Sodium | anr | | | |
| Strontium | anr | | | |
| Thallium | 0.00 | 0.00 | NC | 0-10 |
| Tin | anr | | | |
| Titanium | anr | | | |
| Tungsten | anr | | | |
| Vanadium | 85.3 | 86.8 | 1.8 | 0-10 |
| Zinc | 119 | 129 | 9.1 | 0-10 |

Associated samples MP17628: MC3036-1, MC3036-2

7.1.4
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

7.1.4

7

POST DIGESTATE SPIKE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: ug/l

Prep Date:

08/26/11

| Metal | Sample ml | Final ml | MC2988-17A Raw | PS Corr.** | PS ug/l | Spike ml | Spike ug/ml | Spike ug/l | % Rec | QC Limits |
|------------|-----------|----------|----------------|------------|---------|----------|-------------|------------|-------|-----------|
| Aluminum | | | | | | | | | | |
| Antimony | 9.9 | 10.1 | 0 | 0 | 20.7 | .1 | 2 | 19.80198 | 104.5 | 75-125 |
| Arsenic | | | | | | | | | | |
| Barium | | | | | | | | | | |
| Beryllium | | | | | | | | | | |
| Boron | | | | | | | | | | |
| Cadmium | | | | | | | | | | |
| Calcium | | | | | | | | | | |
| Chromium | | | | | | | | | | |
| Cobalt | | | | | | | | | | |
| Copper | | | | | | | | | | |
| Gold | | | | | | | | | | |
| Iron | | | | | | | | | | |
| Lead | | | | | | | | | | |
| Magnesium | | | | | | | | | | |
| Manganese | 9.9 | 10.1 | 968.3 | 949.1257 | 3636 | .1 | 270 | 2673.267 | 100.5 | 75-125 |
| Molybdenum | | | | | | | | | | |
| Nickel | | | | | | | | | | |
| Palladium | | | | | | | | | | |
| Platinum | | | | | | | | | | |
| Potassium | | | | | | | | | | |
| Selenium | | | | | | | | | | |
| Silicon | | | | | | | | | | |
| Silver | | | | | | | | | | |
| Sodium | | | | | | | | | | |
| Strontium | | | | | | | | | | |
| Thallium | | | | | | | | | | |
| Tin | | | | | | | | | | |
| Titanium | | | | | | | | | | |
| Tungsten | | | | | | | | | | |
| Vanadium | | | | | | | | | | |
| Zinc | | | | | | | | | | |

Associated samples MP17628: MC3036-1, MC3036-2

POST DIGESTATE SPIKE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17628

Methods: SW846 6010C

Matrix Type: SOLID

Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: MC3036
Account: GGSVAVB - Global General Services
Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17634
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 08/27/11

| Metal | RL | IDL | MDL | MB raw | final |
|---------|-------|------|-------|-----------|--------|
| Mercury | 0.033 | .004 | .0058 | -0.0027 | <0.033 |

Associated samples MP17634: MC3036-1, MC3036-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.2.1

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17634

Methods: SW846 7471A

Matrix Type: SOLID

Units: mg/kg

Prep Date:

08/27/11

08/27/11

| Metal | MC3062-10 Original MS | | SpikeLot HGRWS1 | % Rec | QC Limits | MC3062-10 Original DUP | | RPD | QC Limits |
|---------|--------------------------|------|--------------------|-------|--------------|---------------------------|-----|-----|--------------|
| Mercury | 0.0 | 0.46 | 0.508 | 90.6 | 75-125 | 0.0 | 0.0 | NC | 0-20 |

Associated samples MP17634: MC3036-1, MC3036-2

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

7.2.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

QC Batch ID: MP17634

Methods: SW846 7471A

Matrix Type: SOLID

Units: mg/kg

Prep Date:

08/27/11

08/27/11

| Metal | BSP Result | Spikelot HGRWS1 | % Rec | QC Limits | LCS Result | Spikelot HGLCS74 | % Rec | QC Limits |
|---------|---------------|--------------------|-------|--------------|---------------|---------------------|-------|--------------|
| Mercury | 0.49 | 0.5 | 98.0 | 80-120 | 3.6 | 4.13 | 87.2 | 46-134 |

Associated samples MP17634: MC3036-1, MC3036-2

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

7.2.3

7

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|----------------------|-----------------|------|-----------|-------|--------------|------------|------------|-----------|
| Chromium, Hexavalent | GP13436/GN35971 | 0.40 | 0.19 | mg/kg | 40 | 44.3 | 110.8 | 80-120% |
| Chromium, Hexavalent | GP13436/GN35971 | | | mg/kg | 1000 | 1050 | 105.0 | 80-120% |
| Cyanide | GP13415/GN35941 | 0.12 | 0.033 | mg/kg | 61.1 | 61.4 | 100.5 | 50-130% |
| Cyanide | GP13415/GN35941 | | | mg/kg | 1.2 | 1.25 | 104.2 | 90-110% |
| Cyanide | GP13415/GN35941 | | | mg/kg | 2.4 | 2.46 | 102.5 | 90-110% |

Associated Samples:

Batch GP13415: MC3036-1, MC3036-2

Batch GP13436: MC3036-1, MC3036-2

(*) Outside of QC limits

81
8

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Analyte | Batch ID | Units | Spike Amount | BSD Result | RPD | QC Limit |
|----------------------|-----------------|-------|--------------|------------|-----|----------|
| Chromium, Hexavalent | GP13436/GN35971 | mg/kg | 40 | 44.5 | 0.5 | |
| Cyanide | GP13415/GN35941 | mg/kg | 1.2 | 1.24 | 0.8 | |

Associated Samples:

Batch GP13415: MC3036-1, MC3036-2

Batch GP13436: MC3036-1, MC3036-2

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------------------|-----------------|-----------|-------|-----------------|------------|----------|-----------|
| Chromium, Hexavalent | GP13436/GN35971 | MC3036-2 | mg/kg | 0.20 | 0.20 | 0.0 | 0-20% |
| Cyanide | GP13415/GN35941 | MC3036-2 | mg/kg | 0.0 | 0.029 | 200.0(a) | 0-20% |
| Solids, Percent | GN35909 | MC2975-1 | % | 64.7 | 66.1 | 2.1 | 0-20% |
| Solids, Percent | GN35915 | MC3062-10 | % | 96.9 | 96.9 | 0.0 | 0-20% |

Associated Samples:

Batch GN35909: MC3036-2

Batch GN35915: MC3036-1

Batch GP13415: MC3036-1, MC3036-2

Batch GP13436: MC3036-1, MC3036-2

(*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.



MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: MC3036

Account: GGSVAVB - Global General Services

Project: Fill Material Samples NCBC Davisville Site 07,Calf Pasture Point Task Order WE33

| Analyte | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|----------------------|-----------------|-----------|-------|-----------------|--------------|-----------|-------|-----------|
| Chromium, Hexavalent | GP13436/GN35971 | MC3036-2 | mg/kg | 0.20 | 40.2 | 41.9 | 103.8 | 75-125% |
| Chromium, Hexavalent | GP13436/GN35971 | MC3036-2 | mg/kg | 0.20 | 1180 | 1220 | 103.1 | 75-125% |
| Cyanide | GP13415/GN35941 | MC3036-2 | mg/kg | 0.0 | 1.22 | 1.2 | 98.0 | 75-125% |

Associated Samples:

Batch GP13415: MC3036-1, MC3036-2

Batch GP13436: MC3036-1, MC3036-2

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.4

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APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D2 – Confirmation Round 1 Laboratory Analytical Data

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Technical Report for

Global General Services

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
143071

Accutest Job Number: MC4387

Sampling Date: 10/06/11

Report to:

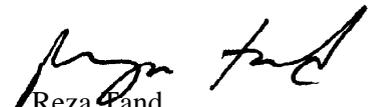
SHAW Environmental & Infrastructure
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **366**



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.



Reza Pand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Global General Services

Job No: MC4387

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
 Project No: 143071

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|------|-------------------|
| | Date | Time By | | Code | Type | |
| MC4387-1 | 10/06/11 | 09:30 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-001 |
| MC4387-2 | 10/06/11 | 09:45 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-002 |
| MC4387-3 | 10/06/11 | 10:00 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-003 |
| MC4387-4 | 10/06/11 | 10:15 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-004 |
| MC4387-5 | 10/06/11 | 10:30 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-005 |
| MC4387-6 | 10/06/11 | 10:45 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-006 |
| MC4387-7 | 10/06/11 | 11:00 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-007 |
| MC4387-8 | 10/06/11 | 11:15 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-008 |
| MC4387-9 | 10/06/11 | 11:30 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-009 |
| MC4387-10 | 10/06/11 | 11:45 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-010 |
| MC4387-11 | 10/06/11 | 12:45 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-011 |
| MC4387-12 | 10/06/11 | 13:00 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-012 |
| MC4387-13 | 10/06/11 | 13:15 JG | 10/07/11 | SO | Soil | WE33-SIDEWALL-013 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Global General Services

Job No: MC4387

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Project No: 143071

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|------------------|--------------------|
| | Date | Time By | | Code | Type | |
| MC4387-14 | 10/06/11 | 14:20 JG | 10/07/11 | SO | Soil | WE33-GRAB-014 |
| MC4387-15 | 10/06/11 | 14:35 JG | 10/07/11 | SO | Soil | WE33-GRAB-015 |
| MC4387-16 | 10/06/11 | 14:45 JG | 10/07/11 | SO | Soil | WE33-GRAB-016 |
| MC4387-17 | 10/06/11 | 11:45 JG | 10/07/11 | SO | Soil | WE33-DUPLICATE-017 |
| MC4387-18 | 10/06/11 | 14:35 JG | 10/07/11 | SO | Soil | WE33-DUPLICATE-018 |
| MC4387-19 | 10/06/11 | 15:00 JG | 10/07/11 | AQ | Trip Blank Water | WE33-TRIPBLK-20 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Global General Services

Job No MC4387

Site: NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 Confir

Report Date 10/20/2011 1:07:15 PM

18 Sample(s), 1 Trip Blank were collected on 10/06/2011 and were received at Accutest on 10/07/2011 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of MC4387. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

| | |
|------------------|--------------------------|
| Matrix AQ | Batch ID: MSN2108 |
|------------------|--------------------------|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC4644-1MS, MC4644-1MSD were used as the QC samples indicated.

| | |
|------------------|-------------------------|
| Matrix SO | Batch ID: MSV112 |
|------------------|-------------------------|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC4292-3MS, MC4292-3MSD were used as the QC samples indicated.
- Sample(s) MC4387-2 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Estimated value. Multiple analyses indicates non-homogeneity between sample bottles.
- Matrix Spike Duplicate Recovery(s) for Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MSV112-BS, MC4292-3MS for 1,1,2,2-Tetrachloroethane: Outside control limits. Associated samples are non-detect for this compound.

| | |
|------------------|-------------------------|
| Matrix SO | Batch ID: MSV114 |
|------------------|-------------------------|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC4387-18MS, MC4387-18MSD were used as the QC samples indicated.
- MC4387-18MS/MSD for 1,1,2,2-Tetrachloroethane: Outside control limits. Associated samples are non-detect for this compound.
- MSV114-BS for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane: Outside control limits. Associated samples are non-detect for this compound.

Wet Chemistry By Method SM21 2540 B MOD.

| | |
|------------------|--------------------------|
| Matrix SO | Batch ID: GN36459 |
|------------------|--------------------------|

- Sample(s) MC4387-1DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC4387).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-001 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-1 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 92.6 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2611.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.69 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.20 U | 0.40 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-01-6 | Trichloroethene | 2.1 | 1.6 | 0.40 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-002 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-2 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 92.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2582.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.79 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.20 U | 0.40 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform ^a | 755 | 1.6 | 0.40 | ug/kg | E |
| 107-06-2 | 1,2-Dichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | |
| 79-01-6 | Trichloroethene | 1.8 | 1.6 | 0.40 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

(a) Estimated value. Multiple analyses indicates non-homogeneity between sample bottles.

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-003 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-3 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2583.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.26 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-004 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-4 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2584.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.34 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 97% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-005 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-5 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2585.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.18 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.43 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-006 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-6 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 84.0 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2612.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.50 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.23 U | 0.46 | 0.23 | ug/kg | |
| 67-66-3 | Chloroform | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.8 U | 1.8 | 1.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-007 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-7 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 90.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2613.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.51 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.35 | 0.42 | 0.21 | ug/kg | J |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 111% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-008 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-8 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2614.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.22 U | 0.44 | 0.22 | ug/kg | |
| 67-66-3 | Chloroform | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.8 U | 1.8 | 1.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-009 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-9 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.7 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2589.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.43 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.41 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | |
| 79-01-6 | Trichloroethene | 2.0 | 1.7 | 0.41 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | | 70-130% |

U = Not detected LOD - Limit of Detection
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-010 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-10 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.2 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2603.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.18 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.37 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | |
| 79-01-6 | Trichloroethene | 4.7 | 1.5 | 0.37 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-011 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-11 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.7 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2604.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.76 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.20 U | 0.39 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-01-6 | Trichloroethene | 2.5 | 1.6 | 0.39 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-012 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-12 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 96.3 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2605.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.21 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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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|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-013 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-13 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 92.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #2 | V2606.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #2 | 6.49 g | 5.0 ml |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 2.4 | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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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|--|--------------------------------|
| Client Sample ID: WE33-GRAB-014 | |
| Lab Sample ID: MC4387-14 | Date Sampled: 10/06/11 |
| Matrix: SO - Soil | Date Received: 10/07/11 |
| Method: SW846 8260B | Percent Solids: 93.9 |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #2 | V2594.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #2 | 6.21 g | 5.0 ml |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.43 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

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| | |
|--|--------------------------------|
| Client Sample ID: WE33-GRAB-015 | Date Sampled: 10/06/11 |
| Lab Sample ID: MC4387-15 | Date Received: 10/07/11 |
| Matrix: SO - Soil | Percent Solids: 95.1 |
| Method: SW846 8260B | |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2607.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 4.29 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.31 U | 0.61 | 0.31 | ug/kg | |
| 67-66-3 | Chloroform | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | |
| 75-01-4 | Vinyl chloride | 2.5 U | 2.5 | 2.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-GRAB-016 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-16 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.3 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2608.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.28 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | |
|--------------------------|--|--------------------------------|
| Client Sample ID: | WE33-DUPLICATE-017 | |
| Lab Sample ID: | MC4387-17 | Date Sampled: 10/06/11 |
| Matrix: | SO - Soil | Date Received: 10/07/11 |
| Method: | SW846 8260B | Percent Solids: 93.0 |
| Project: | NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2609.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.04 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-01-6 | Trichloroethene | 4.3 | 1.5 | 0.38 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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3

| | | |
|--------------------------|--|--------------------------------|
| Client Sample ID: | WE33-DUPLICATE-018 | |
| Lab Sample ID: | MC4387-18 | Date Sampled: 10/06/11 |
| Matrix: | SO - Soil | Date Received: 10/07/11 |
| Method: | SW846 8260B | Percent Solids: 96.6 |
| Project: | NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2610.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.20 U | 0.41 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-----------------------|--|----------|
| Client Sample ID: | WE33-TRIPBLK-20 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-19 | Date Received: | 10/07/11 |
| Matrix: | AQ - Trip Blank Water | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | N56201.D | 1 | 10/16/11 | DFT | n/a | n/a | MSN2108 |
| Run #2 | | | | | | | |

| Run #1 | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 94% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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:

- Certification Exceptions
- Certification Exceptions (RI)
- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN-OF-CUSTODY RECORD

COC Number: 143071-Date
Purchase Order Number:

MC4387
Shaw Environmental & Infrastructure, Inc.

SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190

Global General Services 185 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452

NCBC Davisville Site 07, Calf Pasture Point Confirmation Samples
Task Order WE33

Order Number: 143071 Project Manager: Nataasha Keiley Sullivan (410)529-7698

Client: NAVY Analyst: Mark Pisarcik

| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | Volatiles SW-446 803562008 | Analysis Desired |
|----------|------------------------|------|------|--------|----------------------|--|----------------------------|------------------|
| -1 | WE33-Sidewall-001 | 10/6 | 0930 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -2 | WE33-Sidewall-002 | 10/6 | 0945 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -3 | WE33-Sidewall-003 | 10/6 | 1000 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -4 | WE33-Sidewall-004 | 10/6 | 1015 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -5 | WE33-Sidewall-005 | 10/6 | 1030 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -6 | WE33-Sidewall-006 | 10/6 | 1045 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -7 | WE33-Sidewall-007 | 10/6 | 1100 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -8 | WE33-Sidewall-008 | 10/6 | 1115 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -9 | WE33-Sidewall-009 | 10/6 | 1130 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -10 | WE33-Sidewall-010 | 10/6 | 1145 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -11 | Sidewall WE33-Grab-011 | 10/6 | 1245 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -12 | Sidewall WE33-Grab-012 | 10/6 | 1300 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -13 | Sidewall WE33-Grab-013 | 10/6 | 1315 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -14 | WE33-Grab-014 | 10/6 | 1420 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -15 | WE33-Grab-015 | 10/6 | 1435 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -16 | WE33-Grab-016 | 10/6 | 1445 | Soil | Grab Floor Sample | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |
| -17 | WE33-Duplicate-017 | 10/6 | 1145 | Soil | Duplicate | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | |

MC4387: Chain of Custody
Page 1 of 3

CHAIN-OF-CUSTODY RECORD

COC Number: 143071-Date
Purchase Order Number:



| SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190 | | | | | | | Analyses Desired | | | | | | | | | | |
|---|--|--------------------|-----------|--------|--------------------|--|---|--|--|--|--|--|--|--|--|--|--|
| Global General Services | | | | | | | 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452 | | | | | | | | | | |
| NCBC Davisville Site 07, Calf Pasture Point | | | | | | | Confirmation Samples | | | | | | | | | | |
| Task Order WE33 | | | | | | | | | | | | | | | | | |
| 143071 | | | | | | | Natasha Kelley Sullivan (410)529-7598 | | | | | | | | | | |
| NAVY | | | | | | | Mark Pisarcik | | | | | | | | | | |
| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | Vials | | | | | | | | | | |
| -18 | WE33-Duplicate-018 | 10/6 | 1435 | Soil | Duplicate | 1-2 ounce soil jar (No preservative), 1-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | | | | | | | | | | |
| 18 | WE33-FieldBlk-018 | 10/6/11 | | Water | Field Blank | 2-40 ml vials (with HCL) | X | | | | | | | | | | |
| -19 | WE33-TripBlk-20 | 10/6 | 1500 | Water | Trip Blank | 2-40 ml vials (10 ml MeOH), 2-40 ml vials (Sodium Bisulfate) | X | | | | | | | | | | |
| <p>¹ See SAP Worksheet #15.1B -- Reference Limits and Evaluation Table for SPECIFIC REQUIRED COMPOUNDS TO REPORT SAP NCBC Davisville Site 07, Calf Pasture Point</p> | | | | | | | | | | | | | | | | | |
| Turnaround Time Required | | | | | | | Sampled By: Jennifer Galey, SHAW | | | | | | | | | | |
| 3 Day TAT | | | | | | | Laboratory Report No. | | | | | | | | | | |
| Transfers | Date | Time | Transfers | Date | Time | Remarks | | | | | | | | | | | |
| 1 | J. Galey | 10/6/11 | 1700 | FedEx | | | FULL CLP LIKE REPORT +NIRIS | | | | | | | | | | |
| 2 | FedEx | 10/7/11 | 8:10 | SPBury | 10/7/11 | 8:10 | Deliverables: EDD Excel 1-8 ⁰⁰ | | | | | | | | | | |
| 3 | --- Fax results to Natasha Sullivan (410) 529-7598 | | | | | | | | | | | | | | | | |

20, 1062, 1063,
384

4.1
4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC4387

Client: SHAW

Immediate Client Services Action Required: No

Date / Time Received: 10/7/2011

Delivery Method:

Client Service Action Required at Login: No

Project: NCBC CALF PASTURE POINT

No. Coolers: 1

Airbill #'s: N/A

| <u>Cooler Security</u> | <u>Y or N</u> | | <u>Y or N</u> | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|--|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. SmpI Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

| <u>Cooler Temperature</u> | <u>Y or N</u> | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

| <u>Quality Control Preservatio</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|------------------------------------|-------------------------------------|-----------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved property: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> | <u>Y or N</u> | |
|---|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Condition</u> | <u>Y or N</u> | |
|-------------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

| <u>Sample Integrity - Instructions</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|---|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

4.1
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Internal Sample Tracking Chronicle

Global General Services

Job No: MC4387

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
 Project No: 143071

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|--|------------------|-----------------|-----|---------|----|------------|
| MC4387-1 Collected: 06-OCT-11 09:30 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-001 | | | | | | |
| MC4387-1 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-1 | SW846 8260B | 18-OCT-11 02:24 | AMY | | | V8260SL |
| MC4387-2 Collected: 06-OCT-11 09:45 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-002 | | | | | | |
| MC4387-2 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-2 | SW846 8260B | 17-OCT-11 11:20 | AMY | | | V8260SL |
| MC4387-3 Collected: 06-OCT-11 10:00 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-003 | | | | | | |
| MC4387-3 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-3 | SW846 8260B | 17-OCT-11 11:50 | AMY | | | V8260SL |
| MC4387-4 Collected: 06-OCT-11 10:15 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-004 | | | | | | |
| MC4387-4 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-4 | SW846 8260B | 17-OCT-11 12:20 | AMY | | | V8260SL |
| MC4387-5 Collected: 06-OCT-11 10:30 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-005 | | | | | | |
| MC4387-5 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-5 | SW846 8260B | 17-OCT-11 12:51 | AMY | | | V8260SL |
| MC4387-6 Collected: 06-OCT-11 10:45 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-006 | | | | | | |
| MC4387-6 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-6 | SW846 8260B | 18-OCT-11 02:54 | AMY | | | V8260SL |
| MC4387-7 Collected: 06-OCT-11 11:00 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-007 | | | | | | |
| MC4387-7 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |

Internal Sample Tracking Chronicle

Global General Services

Job No: MC4387

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
 Project No: 143071

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|------------------|-----------------|-----|---------|----|------------|
| MC4387-7 | SW846 8260B | 18-OCT-11 03:24 | AMY | | | V8260SL |
| MC4387-8 Collected: 06-OCT-11 11:15 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-008 | | | | | | |
| MC4387-8 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-8 | SW846 8260B | 18-OCT-11 03:54 | AMY | | | V8260SL |
| MC4387-9 Collected: 06-OCT-11 11:30 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-009 | | | | | | |
| MC4387-9 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-9 | SW846 8260B | 17-OCT-11 15:15 | AMY | | | V8260SL |
| MC4387-10 Collected: 06-OCT-11 11:45 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-010 | | | | | | |
| MC4387-10 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-10 | SW846 8260B | 17-OCT-11 22:22 | AMY | | | V8260SL |
| MC4387-11 Collected: 06-OCT-11 12:45 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-011 | | | | | | |
| MC4387-11 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-11 | SW846 8260B | 17-OCT-11 22:52 | AMY | | | V8260SL |
| MC4387-12 Collected: 06-OCT-11 13:00 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-012 | | | | | | |
| MC4387-12 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-12 | SW846 8260B | 17-OCT-11 23:23 | AMY | | | V8260SL |
| MC4387-13 Collected: 06-OCT-11 13:15 By: JG Received: 07-OCT-11 By: JB WE33-SIDEWALL-013 | | | | | | |
| MC4387-13 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-13 | SW846 8260B | 17-OCT-11 23:53 | AMY | | | V8260SL |

Internal Sample Tracking Chronicle

Global General Services

Job No: MC4387

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
 Project No: 143071

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|--|------------------|-----------------|-----|---------|----|------------|
| MC4387-14 Collected: 06-OCT-11 14:20 By: JG Received: 07-OCT-11 By: JB WE33-GRAB-014 | | | | | | |
| MC4387-14 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-14 | SW846 8260B | 17-OCT-11 17:47 | AMY | | | V8260SL |
| MC4387-15 Collected: 06-OCT-11 14:35 By: JG Received: 07-OCT-11 By: JB WE33-GRAB-015 | | | | | | |
| MC4387-15 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-15 | SW846 8260B | 18-OCT-11 00:24 | AMY | | | V8260SL |
| MC4387-16 Collected: 06-OCT-11 14:45 By: JG Received: 07-OCT-11 By: JB WE33-GRAB-016 | | | | | | |
| MC4387-16 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-16 | SW846 8260B | 18-OCT-11 00:54 | AMY | | | V8260SL |
| MC4387-17 Collected: 06-OCT-11 11:45 By: JG Received: 07-OCT-11 By: JB WE33-DUPLICATE-017 | | | | | | |
| MC4387-17 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-17 | SW846 8260B | 18-OCT-11 01:24 | AMY | | | V8260SL |
| MC4387-18 Collected: 06-OCT-11 14:35 By: JG Received: 07-OCT-11 By: JB WE33-DUPLICATE-018 | | | | | | |
| MC4387-18 | SM21 2540 B MOD. | 08-OCT-11 | HS | | | %SOL |
| MC4387-18 | SW846 8260B | 18-OCT-11 01:54 | AMY | | | V8260SL |
| MC4387-19 Collected: 06-OCT-11 15:00 By: JG Received: 07-OCT-11 By: JB WE33-TRIPBLK-20 | | | | | | |
| MC4387-19 | SW846 8260B | 16-OCT-11 01:00 | DFT | | | V8260SL |

Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

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| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC4387-1.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-1.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-1.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-1.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-1.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-1.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-1.3 | VOC Ref #10 | Amy Min Yang | 10/17/11 18:59 | Retrieve from Storage |
| MC4387-1.3 | Amy Min Yang | GCMSV | 10/17/11 18:59 | Load on Instrument |
| MC4387-1.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-1.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-1.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-1.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-2.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-2.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-2.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-2.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-2.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-2.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-2.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-2.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-3.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-3.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-3.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-3.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-3.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-3.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-3.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-3.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-4.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-4.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-4.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-4.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-4.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |

Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

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| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC4387-4.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-4.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-4.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-5.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-5.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-5.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-5.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-5.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-5.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-5.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-5.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-6.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-6.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-6.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-6.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-6.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-6.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-6.3 | VOC Ref #10 | Amy Min Yang | 10/17/11 18:59 | Retrieve from Storage |
| MC4387-6.3 | Amy Min Yang | GCMSV | 10/17/11 18:59 | Load on Instrument |
| MC4387-6.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-6.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-6.4 | VOC Ref #10 | Gary Krasinski | 10/10/11 15:45 | Retrieve from Storage |
| MC4387-6.4 | Gary Krasinski | VOC Ref #10 | 10/11/11 11:03 | Return to Storage |
| MC4387-7.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-7.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-7.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-7.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-7.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-7.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-7.3 | VOC Ref #10 | Amy Min Yang | 10/17/11 18:59 | Retrieve from Storage |
| MC4387-7.3 | Amy Min Yang | GCMSV | 10/17/11 18:59 | Load on Instrument |
| MC4387-7.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-7.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |

Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

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| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC4387-7.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-7.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-8.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-8.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-8.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-8.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-8.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-8.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-8.3 | VOC Ref #10 | Amy Min Yang | 10/17/11 18:59 | Retrieve from Storage |
| MC4387-8.3 | Amy Min Yang | GCMSV | 10/17/11 18:59 | Load on Instrument |
| MC4387-8.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-8.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-8.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-8.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-9.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-9.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-9.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-9.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-9.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-9.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-9.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-9.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-10.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-10.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-10.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-10.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-10.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-10.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-10.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-10.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-11.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-11.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |

Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC4387-11.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-11.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-11.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-11.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-11.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-11.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-12.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-12.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-12.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-12.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-12.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-12.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-12.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-12.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-13.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-13.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-13.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-13.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-13.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-13.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-13.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-13.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-14.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-14.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-14.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-14.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-14.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-14.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-14.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-14.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-15.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-15.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |

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Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC4387-15.3 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-15.3 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-15.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-15.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-15.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-15.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-16.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-16.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-16.2 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-16.2 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-16.2 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-16.2 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-16.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-16.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-17.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-17.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-17.3 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-17.3 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-17.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-17.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-17.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-17.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-18.1 | Walk In Ref #5 | Hamid Siamak | 10/08/11 07:17 | Retrieve from Storage |
| MC4387-18.1 | Hamid Siamak | Walk In Ref #5 | 10/08/11 09:09 | Return to Storage |
| MC4387-18.3 | VOC Ref #10 | Amy Min Yang | 10/16/11 12:45 | Retrieve from Storage |
| MC4387-18.3 | Amy Min Yang | GCMSV | 10/16/11 12:45 | Load on Instrument |
| MC4387-18.3 | GCMSV | Amy Min Yang | 10/20/11 08:04 | Unload from Instrument |
| MC4387-18.3 | Amy Min Yang | VOC Ref #10 | 10/20/11 08:04 | Return to Storage |
| MC4387-18.4 | VOC Ref #10 | Gary Krasinski | 10/12/11 13:28 | Retrieve from Storage |
| MC4387-18.4 | Gary Krasinski | VOC Ref #10 | 10/13/11 14:48 | Return to Storage |
| MC4387-19.1 | VOC Ref #3 | Dana Tyron | 10/15/11 18:44 | Retrieve from Storage |
| MC4387-19.1 | Dana Tyron | GCMSN | 10/15/11 18:44 | Load on Instrument |

Accutest Internal Chain of Custody

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 10/07/11

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|-----------------|-----------------|----------------|------------------------|
| MC4387-19.1 | GCMSN | Emily Kozlowski | 10/17/11 16:48 | Unload from Instrument |
| MC4387-19.1 | Emily Kozlowski | VOC Ref #3 | 10/17/11 16:48 | Return to Storage |

4.3
4

GC/MS Volatiles

5

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
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|-----|-----------|------------|------------------|
| MSN2108-MB | N56189.D | 1 | 10/15/11 | DFT | n/a | n/a | MSN2108 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-19

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.46 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.58 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.44 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.80 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.69 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.64 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.79 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.36 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.74 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.82 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | 70-130% |
| 2037-26-5 | Toluene-D8 | 97% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | 70-130% |

Method Blank Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV112-MB | V2580.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-2, MC4387-3, MC4387-4, MC4387-5, MC4387-9, MC4387-14

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 70-130% |

Method Blank Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV114-MB | V2602.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-1, MC4387-6, MC4387-7, MC4387-8, MC4387-10, MC4387-11, MC4387-12, MC4387-13, MC4387-15, MC4387-16, MC4387-17, MC4387-18

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 101% 70-130% |
| 2037-26-5 | Toluene-D8 | 101% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% 70-130% |

Blank Spike Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV112-BS | V2579.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-2, MC4387-3, MC4387-4, MC4387-5, MC4387-9, MC4387-14

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|---------------------------|----------------|--------------|----------|--------|
| 71-43-2 | Benzene | 50 | 56.0 | 112 | 70-130 |
| 67-66-3 | Chloroform | 50 | 53.8 | 108 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 58.0 | 116 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 60.0 | 120 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 56.8 | 114 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 57.1 | 114 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 68.9 | 138* a | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 57.2 | 114 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 62.1 | 124 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 56.9 | 114 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 43.1 | 86 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 70-130% |

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV114-BS | V2601.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-1, MC4387-6, MC4387-7, MC4387-8, MC4387-10, MC4387-11, MC4387-12, MC4387-13, MC4387-15, MC4387-16, MC4387-17, MC4387-18

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|---------------------------|----------------|--------------|----------|--------|
| 71-43-2 | Benzene | 50 | 58.7 | 117 | 70-130 |
| 67-66-3 | Chloroform | 50 | 58.0 | 116 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 61.9 | 124 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 60.7 | 121 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 59.4 | 119 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 58.9 | 118 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 70.1 | 140* a | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 56.4 | 113 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 65.3 | 131* a | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 58.3 | 117 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 47.2 | 94 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 107% | 70-130% |
| 2037-26-5 | Toluene-D8 | 105% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 70-130% |

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike/Blank Spike Duplicate Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|-----|-----------|------------|------------------|
| MSN2108-BS | N56186.D | 1 | 10/15/11 | DFT | n/a | n/a | MSN2108 |
| MSN2108-BSD | N56187.D | 1 | 10/15/11 | DFT | n/a | n/a | MSN2108 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-19

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | BSD ug/l | BSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|---------------|-------------|----------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 50 | 52.3 | 105 | 51.1 | 102 | 2 | 70-130/25 |
| 67-66-3 | Chloroform | 50 | 51.2 | 102 | 50.9 | 102 | 1 | 70-130/25 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 50.3 | 101 | 49.2 | 98 | 2 | 70-130/25 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 57.0 | 114 | 58.0 | 116 | 2 | 70-130/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 50.0 | 100 | 50.3 | 101 | 1 | 70-130/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 52.1 | 104 | 52.0 | 104 | 0 | 70-130/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 53.0 | 106 | 52.9 | 106 | 0 | 70-130/25 |
| 127-18-4 | Tetrachloroethene | 50 | 56.2 | 112 | 54.6 | 109 | 3 | 70-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 54.5 | 109 | 52.9 | 106 | 3 | 70-130/25 |
| 79-01-6 | Trichloroethene | 50 | 54.4 | 109 | 53.1 | 106 | 2 | 70-130/25 |
| 75-01-4 | Vinyl chloride | 50 | 44.1 | 88 | 44.8 | 90 | 2 | 70-130/25 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|-----|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 93% | 94% | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | 97% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 88% | 90% | 70-130% |

Matrix Spike/Matrix Spike Duplicate Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|-----|-----------|------------|------------------|
| MC4644-1MS | N56191.D | 5 | 10/15/11 | DFT | n/a | n/a | MSN2108 |
| MC4644-1MSD | N56192.D | 5 | 10/15/11 | DFT | n/a | n/a | MSN2108 |
| MC4644-1 | N56190.D | 1 | 10/15/11 | DFT | n/a | n/a | MSN2108 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-19

| CAS No. | Compound | MC4644-1 ug/l | Spike Q ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|------------------|--------------------|------------|---------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 250 | 254 | 102 | 263 | 105 | 3 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 250 | 250 | 100 | 260 | 104 | 4 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 250 | 248 | 99 | 252 | 101 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 250 | 268 | 107 | 281 | 112 | 5 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | 26.2 | 250 | 266 | 96 | 278 | 101 | 4 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | 2.7 | 250 | 256 | 101 | 263 | 104 | 3 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 250 | 259 | 104 | 261 | 104 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 250 | 272 | 109 | 277 | 111 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 250 | 262 | 105 | 268 | 107 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 250 | 261 | 104 | 270 | 108 | 3 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 250 | 275 | 110 | 293 | 117 | 6 | 70-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC4644-1 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | 93% | 93% | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | 97% | 98% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 87% | 88% | 91% | 70-130% |

Matrix Spike/Matrix Spike Duplicate Summary**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC4292-3MS | V2595.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| MC4292-3MSD | V2596.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| MC4292-3 | V2593.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC4387-2, MC4387-3, MC4387-4, MC4387-5, MC4387-9, MC4387-14

| CAS No. | Compound | MC4292-3 ug/kg | Spike Q | ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-----------|-------------------|
| 71-43-2 | Benzene | ND | 60.3 | 69.4 | 115 | 54.9 | 90 | 23 | 70-130/30 | |
| 67-66-3 | Chloroform | ND | 60.3 | 69.5 | 115 | 56.1 | 92 | 21 | 70-130/30 | |
| 107-06-2 | 1,2-Dichloroethane | ND | 60.3 | 73.2 | 121 | 64.7 | 106 | 12 | 70-130/30 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 60.3 | 73.8 | 122 | 55.6 | 91 | 28 | 70-130/30 | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 60.3 | 70.5 | 117 | 57.6 | 94 | 20 | 70-130/30 | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 60.3 | 71.7 | 119 | 55.8 | 91 | 25 | 70-130/30 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 60.3 | 85.8 | 142* a | 79.4 | 130 | 8 | 70-130/30 | |
| 127-18-4 | Tetrachloroethene | ND | 60.3 | 69.6 | 115 | 53.0 | 87 | 27 | 70-130/30 | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 60.3 | 76.3 | 126 | 69.5 | 114 | 9 | 70-130/30 | |
| 79-01-6 | Trichloroethene | 1.4 | 60.3 | 72.9 | 119 | 56.7 | 90 | 25 | 70-130/30 | |
| 75-01-4 | Vinyl chloride | ND | 60.3 | 53.4 | 89 | 40.5 | 66* b | 27 | 70-130/30 | |

| CAS No. | Surrogate Recoveries | MS | MSD | MC4292-3 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | 103% | 108% | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | 102% | 101% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 101% | 70-130% |

(a) Outside control limits. Associated samples are non-detect for this compound.

(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC4387

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|---------|----|----------|-----|-----------|------------|------------------|
| MC4387-18MS | V2622.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| MC4387-18MSD | V2623.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| MC4387-18 | V2610.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC4387-1, MC4387-6, MC4387-7, MC4387-8, MC4387-10, MC4387-11, MC4387-12, MC4387-13, MC4387-15, MC4387-16, MC4387-17, MC4387-18

| CAS No. | Compound | MC4387-18 ug/kg | Spike Q | ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|--------------------|------------|-------|-------------|---------|--------------|----------|-----------|-------------------|
| 71-43-2 | Benzene | 0.41 U | 58.1 | 65.4 | 113 | 69.2 | 113 | 6 | 70-130/30 | |
| 67-66-3 | Chloroform | 1.6 U | 58.1 | 61.5 | 106 | 66.1 | 108 | 7 | 70-130/30 | |
| 107-06-2 | 1,2-Dichloroethane | 1.6 U | 58.1 | 67.0 | 115 | 70.8 | 116 | 6 | 70-130/30 | |
| 75-35-4 | 1,1-Dichloroethene | 1.6 U | 58.1 | 66.7 | 115 | 70.3 | 115 | 5 | 70-130/30 | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.6 U | 58.1 | 65.2 | 112 | 69.5 | 114 | 6 | 70-130/30 | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.6 U | 58.1 | 63.8 | 110 | 67.2 | 110 | 5 | 70-130/30 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.6 U | 58.1 | 80.6 | 139* a | 83.1 | 136* a | 3 | 70-130/30 | |
| 127-18-4 | Tetrachloroethene | 1.6 U | 58.1 | 63.2 | 109 | 64.4 | 105 | 2 | 70-130/30 | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.6 U | 58.1 | 73.0 | 126 | 77.5 | 127 | 6 | 70-130/30 | |
| 79-01-6 | Trichloroethene | 1.6 U | 58.1 | 64.3 | 111 | 67.6 | 111 | 5 | 70-130/30 | |
| 75-01-4 | Vinyl chloride | 1.6 U | 58.1 | 52.7 | 91 | 54.7 | 90 | 4 | 70-130/30 | |

| CAS No. | Surrogate Recoveries | MS | MSD | MC4387-18 | Limits |
|-----------|----------------------|------|------|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | 99% | 110% | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | 103% | 100% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 102% | 100% | 70-130% |

(a) Outside control limits. Associated samples are non-detect for this compound.

5.4.3
5

Instrument Performance Check (BFB)**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSN2093-BFB | Injection Date: 10/07/11 |
| Lab File ID: N55779.D | Injection Time: 10:20 |
| Instrument ID: GCMSN | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 36811 | 15.1 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 108558 | 44.6 | Pass |
| 95 | Base peak, 100% relative abundance | 243456 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 16885 | 6.94 | Pass |
| 173 | Less than 2.0% of mass 174 | 1125 | 0.46 (0.54) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 208042 | 85.5 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 15892 | 6.53 (7.64) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 202794 | 83.3 (97.5) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 12753 | 5.24 (6.29) ^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 |
|-----------------|-------------|---------------|---------------|--------------|------------------|
| MSN2093-IC2093 | N55780.D | 10/07/11 | 10:49 | 00:29 | Initial cal 0.5 |
| MSN2093-IC2093 | N55781.D | 10/07/11 | 11:17 | 00:57 | Initial cal 1 |
| MSN2093-IC2093 | N55782.D | 10/07/11 | 11:45 | 01:25 | Initial cal 2 |
| MSN2093-IC2093 | N55783.D | 10/07/11 | 12:13 | 01:53 | Initial cal 5 |
| MSN2093-IC2093 | N55784.D | 10/07/11 | 12:41 | 02:21 | Initial cal 25 |
| MSN2093-ICC2093 | N55785.D | 10/07/11 | 13:09 | 02:49 | Initial cal 50 |
| MSN2093-IC2093 | N55786.D | 10/07/11 | 13:37 | 03:17 | Initial cal 100 |
| MSN2093-IC2093 | N55787.D | 10/07/11 | 14:05 | 03:45 | Initial cal 200 |
| MSN2093-IC2093 | N55788.D | 10/07/11 | 14:34 | 04:14 | Initial cal 400 |

Instrument Performance Check (BFB)**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSN2108-BFB | Injection Date: 10/15/11 |
| Lab File ID: N56185.D | Injection Time: 17:27 |
| Instrument ID: GCMSN | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|---------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 24184 | 15.2 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 67736 | 42.6 | Pass |
| 95 | Base peak, 100% relative abundance | 159040 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 10193 | 6.41 | Pass |
| 173 | Less than 2.0% of mass 174 | 890 | 0.56 (0.71) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 125456 | 78.9 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 9349 | 5.88 (7.45) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 125808 | 79.1 (100.3) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 8633 | 5.43 (6.86) ^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 |
|----------------|-------------|---------------|---------------|--------------|--|
| MSN2108-CC2093 | N56185.D | 10/15/11 | 17:27 | 00:00 | Continuing cal 50 |
| MSN2108-BS | N56186.D | 10/15/11 | 17:56 | 00:29 | Blank Spike |
| MSN2108-BSD | N56187.D | 10/15/11 | 18:24 | 00:57 | Blank Spike Duplicate |
| MSN2108-MB | N56189.D | 10/15/11 | 19:21 | 01:54 | Method Blank |
| MC4644-1 | N56190.D | 10/15/11 | 19:49 | 02:22 | (used for QC only; not part of job MC4387) |
| MC4644-1MS | N56191.D | 10/15/11 | 20:17 | 02:50 | Matrix Spike |
| MC4644-1MSD | N56192.D | 10/15/11 | 20:45 | 03:18 | Matrix Spike Duplicate |
| ZZZZZZ | N56194.D | 10/15/11 | 21:42 | 04:15 | (unrelated sample) |
| ZZZZZZ | N56195.D | 10/15/11 | 22:10 | 04:43 | (unrelated sample) |
| ZZZZZZ | N56196.D | 10/15/11 | 22:38 | 05:11 | (unrelated sample) |
| ZZZZZZ | N56197.D | 10/15/11 | 23:07 | 05:40 | (unrelated sample) |
| ZZZZZZ | N56198.D | 10/15/11 | 23:35 | 06:08 | (unrelated sample) |
| ZZZZZZ | N56199.D | 10/16/11 | 00:03 | 06:36 | (unrelated sample) |
| ZZZZZZ | N56200.D | 10/16/11 | 00:32 | 07:05 | (unrelated sample) |
| MC4387-19 | N56201.D | 10/16/11 | 01:00 | 07:33 | WE33-TRIPBLK-20 |
| ZZZZZZ | N56202.D | 10/16/11 | 01:28 | 08:01 | (unrelated sample) |
| ZZZZZZ | N56203.D | 10/16/11 | 01:56 | 08:29 | (unrelated sample) |
| ZZZZZZ | N56204.D | 10/16/11 | 02:25 | 08:58 | (unrelated sample) |
| ZZZZZZ | N56205.D | 10/16/11 | 02:53 | 09:26 | (unrelated sample) |
| ZZZZZZ | N56206.D | 10/16/11 | 03:21 | 09:54 | (unrelated sample) |

Instrument Performance Check (BFB)**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|-----------------------------|---------------------------------|
| Sample: MSV112-BFB | Injection Date: 10/15/11 |
| Lab File ID: V2563.D | Injection Time: 13:15 |
| Instrument ID: GCMSV | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 34792 | 18.7 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 88627 | 47.6 | Pass |
| 95 | Base peak, 100% relative abundance | 186325 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 12647 | 6.79 | Pass |
| 173 | Less than 2.0% of mass 174 | 1102 | 0.59 (0.74) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 148608 | 79.8 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 10937 | 5.87 (7.36) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 144171 | 77.4 (97.0) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 9132 | 4.90 (6.33) ^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 |
|---------------|-------------|---------------|---------------|--------------|------------------|
| MSV112-IC112 | V2564.D | 10/15/11 | 13:55 | 00:40 | Initial cal 0.5 |
| MSV113-IC113 | V2564A.D | 10/15/11 | 13:55 | 00:40 | Initial cal 0.5 |
| MSV112-IC112 | V2565.D | 10/15/11 | 14:25 | 01:10 | Initial cal 2 |
| MSV113-IC113 | V2565A.D | 10/15/11 | 14:25 | 01:10 | Initial cal 2 |
| MSV112-IC112 | V2566.D | 10/15/11 | 14:55 | 01:40 | Initial cal 5 |
| MSV113-IC113 | V2566A.D | 10/15/11 | 14:55 | 01:40 | Initial cal 5 |
| MSV112-IC112 | V2567.D | 10/15/11 | 15:26 | 02:11 | Initial cal 10 |
| MSV113-IC113 | V2567A.D | 10/15/11 | 15:26 | 02:11 | Initial cal 10 |
| MSV112-IC112 | V2568.D | 10/15/11 | 15:56 | 02:41 | Initial cal 20 |
| MSV113-IC113 | V2568A.D | 10/15/11 | 15:56 | 02:41 | Initial cal 20 |
| MSV112-IC112 | V2569.D | 10/15/11 | 16:27 | 03:12 | Initial cal 50 |
| MSV113-IC113 | V2569A.D | 10/15/11 | 16:27 | 03:12 | Initial cal 50 |
| MSV112-ICC112 | V2570.D | 10/15/11 | 16:57 | 03:42 | Initial cal 100 |
| MSV113-ICC113 | V2570A.D | 10/15/11 | 16:57 | 03:42 | Initial cal 100 |
| MSV112-IC112 | V2571.D | 10/15/11 | 17:27 | 04:12 | Initial cal 200 |
| MSV113-IC113 | V2571A.D | 10/15/11 | 17:27 | 04:12 | Initial cal 200 |
| MSV112-IC112 | V2572.D | 10/15/11 | 17:57 | 04:42 | Initial cal 400 |
| MSV113-IC113 | V2572A.D | 10/15/11 | 17:57 | 04:42 | Initial cal 400 |

Instrument Performance Check (BFB)**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSV112-BFB**Injection Date:** 10/17/11**Lab File ID:** V2578.D**Injection Time:** 09:16**Instrument ID:** GCMSV

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 31712 | 17.3 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 84080 | 45.8 | Pass |
| 95 | Base peak, 100% relative abundance | 183680 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 11819 | 6.43 | Pass |
| 173 | Less than 2.0% of mass 174 | 819 | 0.45 (0.52) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 158080 | 86.1 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 10096 | 5.50 (6.39) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 153152 | 83.4 (96.9) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 9404 | 5.12 (6.14) ^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 |
|---------------|-------------|---------------|---------------|--------------|--|
| MSV112-ICV112 | V2578.D | 10/17/11 | 09:16 | 00:00 | Initial cal verification 50 |
| MSV112-CC112 | V2578A.D | 10/17/11 | 09:16 | 00:00 | Continuing cal 50 |
| MSV113-ICV113 | V2578B.D | 10/17/11 | 09:16 | 00:00 | Initial cal verification 50 |
| MSV112-BS | V2579.D | 10/17/11 | 09:48 | 00:32 | Blank Spike |
| MSV112-MB | V2580.D | 10/17/11 | 10:19 | 01:03 | Method Blank |
| MC4387-2 | V2582.D | 10/17/11 | 11:20 | 02:04 | WE33-SIDEWALL-002 |
| MC4387-3 | V2583.D | 10/17/11 | 11:50 | 02:34 | WE33-SIDEWALL-003 |
| MC4387-4 | V2584.D | 10/17/11 | 12:20 | 03:04 | WE33-SIDEWALL-004 |
| MC4387-5 | V2585.D | 10/17/11 | 12:51 | 03:35 | WE33-SIDEWALL-005 |
| MC4387-9 | V2589.D | 10/17/11 | 15:15 | 05:59 | WE33-SIDEWALL-009 |
| ZZZZZZ | V2590.D | 10/17/11 | 15:45 | 06:29 | (unrelated sample) |
| ZZZZZZ | V2591.D | 10/17/11 | 16:16 | 07:00 | (unrelated sample) |
| ZZZZZZ | V2592.D | 10/17/11 | 16:46 | 07:30 | (unrelated sample) |
| MC4292-3 | V2593.D | 10/17/11 | 17:17 | 08:01 | (used for QC only; not part of job MC4387) |
| MC4387-14 | V2594.D | 10/17/11 | 17:47 | 08:31 | WE33-GRAB-014 |
| MC4292-3MS | V2595.D | 10/17/11 | 18:17 | 09:01 | Matrix Spike |
| MC4292-3MSD | V2596.D | 10/17/11 | 18:47 | 09:31 | Matrix Spike Duplicate |
| ZZZZZZ | V2597.D | 10/17/11 | 19:18 | 10:02 | (unrelated sample) |

Instrument Performance Check (BFB)**Job Number:** MC4387**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|-----------------------------|---------------------------------|
| Sample: MSV114-BFB | Injection Date: 10/17/11 |
| Lab File ID: V2600.D | Injection Time: 20:52 |
| Instrument ID: GCMSV | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 34584 | 18.3 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 91832 | 48.6 | Pass |
| 95 | Base peak, 100% relative abundance | 188992 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 12563 | 6.65 | Pass |
| 173 | Less than 2.0% of mass 174 | 1078 | 0.57 (0.70) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 154816 | 81.9 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 10829 | 5.73 (6.99) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 149440 | 79.1 (96.5) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 10527 | 5.57 (7.04) ^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 |
|---------------|-------------|---------------|---------------|--------------|------------------------|
| MSV114-CC112 | V2600.D | 10/17/11 | 20:52 | 00:00 | Continuing cal 50 |
| MSV114-BS | V2601.D | 10/17/11 | 21:22 | 00:30 | Blank Spike |
| MSV114-MB | V2602.D | 10/17/11 | 21:52 | 01:00 | Method Blank |
| MC4387-10 | V2603.D | 10/17/11 | 22:22 | 01:30 | WE33-SIDEWALL-010 |
| MC4387-11 | V2604.D | 10/17/11 | 22:52 | 02:00 | WE33-SIDEWALL-011 |
| MC4387-12 | V2605.D | 10/17/11 | 23:23 | 02:31 | WE33-SIDEWALL-012 |
| MC4387-13 | V2606.D | 10/17/11 | 23:53 | 03:01 | WE33-SIDEWALL-013 |
| MC4387-15 | V2607.D | 10/18/11 | 00:24 | 03:32 | WE33-GRAB-015 |
| MC4387-16 | V2608.D | 10/18/11 | 00:54 | 04:02 | WE33-GRAB-016 |
| MC4387-17 | V2609.D | 10/18/11 | 01:24 | 04:32 | WE33-DUPLICATE-017 |
| MC4387-18 | V2610.D | 10/18/11 | 01:54 | 05:02 | WE33-DUPLICATE-018 |
| MC4387-1 | V2611.D | 10/18/11 | 02:24 | 05:32 | WE33-SIDEWALL-001 |
| MC4387-6 | V2612.D | 10/18/11 | 02:54 | 06:02 | WE33-SIDEWALL-006 |
| MC4387-7 | V2613.D | 10/18/11 | 03:24 | 06:32 | WE33-SIDEWALL-007 |
| MC4387-8 | V2614.D | 10/18/11 | 03:54 | 07:02 | WE33-SIDEWALL-008 |
| ZZZZZZ | V2616.D | 10/18/11 | 04:54 | 08:02 | (unrelated sample) |
| ZZZZZZ | V2620.D | 10/18/11 | 06:55 | 10:03 | (unrelated sample) |
| ZZZZZZ | V2621.D | 10/18/11 | 07:26 | 10:34 | (unrelated sample) |
| MC4387-18MS | V2622.D | 10/18/11 | 07:56 | 11:04 | Matrix Spike |
| MC4387-18MSD | V2623.D | 10/18/11 | 08:27 | 11:35 | Matrix Spike Duplicate |

Volatile Internal Standard Area Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|----------------------------------|---------------------------------|
| Check Std: MSN2108-CC2093 | Injection Date: 10/15/11 |
| Lab File ID: N56185.D | Injection Time: 17:27 |
| Instrument ID: GCMSN | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 569359 | 9.03 | 861423 | 9.91 | 382700 | 13.16 | 427966 | 15.72 | 266738 | 6.58 |
| Upper Limit ^a | 1138718 | 9.53 | 1722846 | 10.41 | 765400 | 13.66 | 855932 | 16.22 | 533476 | 7.08 |
| Lower Limit ^b | 284680 | 8.53 | 430712 | 9.41 | 191350 | 12.66 | 213983 | 15.22 | 133369 | 6.08 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSN2108-BS | 572129 | 9.03 | 852343 | 9.91 | 382000 | 13.16 | 426853 | 15.72 | 258513 | 6.58 |
| MSN2108-BSD | 580051 | 9.03 | 875485 | 9.91 | 397373 | 13.16 | 423899 | 15.72 | 286420 | 6.57 |
| MSN2108-MB | 565510 | 9.03 | 839155 | 9.91 | 364363 | 13.16 | 391696 | 15.72 | 246924 | 6.58 |
| MC4644-1 | 556578 | 9.03 | 823379 | 9.91 | 363831 | 13.16 | 386802 | 15.72 | 218962 | 6.58 |
| MC4644-1MS | 569368 | 9.03 | 846640 | 9.91 | 375189 | 13.16 | 423772 | 15.72 | 232509 | 6.57 |
| MC4644-1MSD | 560327 | 9.03 | 840705 | 9.91 | 385344 | 13.16 | 424000 | 15.72 | 238481 | 6.58 |
| ZZZZZZ | 561778 | 9.03 | 829197 | 9.91 | 365939 | 13.16 | 384689 | 15.72 | 245043 | 6.58 |
| ZZZZZZ | 542282 | 9.03 | 828145 | 9.91 | 362243 | 13.16 | 387368 | 15.72 | 233239 | 6.58 |
| ZZZZZZ | 545285 | 9.03 | 821483 | 9.91 | 361031 | 13.16 | 382160 | 15.72 | 231384 | 6.58 |
| ZZZZZZ | 548867 | 9.03 | 814995 | 9.91 | 360563 | 13.16 | 394827 | 15.72 | 231866 | 6.58 |
| ZZZZZZ | 540767 | 9.03 | 815521 | 9.91 | 362472 | 13.16 | 379990 | 15.72 | 227448 | 6.58 |
| ZZZZZZ | 538222 | 9.03 | 809715 | 9.91 | 355358 | 13.16 | 392495 | 15.72 | 225916 | 6.58 |
| ZZZZZZ | 545616 | 9.03 | 819040 | 9.91 | 361655 | 13.16 | 384511 | 15.72 | 229314 | 6.58 |
| MC4387-19 | 543549 | 9.03 | 817294 | 9.91 | 362587 | 13.16 | 380922 | 15.72 | 229740 | 6.58 |
| ZZZZZZ | 537133 | 9.03 | 809912 | 9.91 | 357726 | 13.16 | 377554 | 15.72 | 228633 | 6.58 |
| ZZZZZZ | 534996 | 9.03 | 804227 | 9.91 | 358567 | 13.16 | 380879 | 15.72 | 223308 | 6.58 |
| ZZZZZZ | 529585 | 9.03 | 797238 | 9.91 | 358624 | 13.16 | 384739 | 15.72 | 215816 | 6.58 |
| ZZZZZZ | 549191 | 9.03 | 827644 | 9.91 | 385106 | 13.16 | 439238 | 15.72 | 216328 | 6.58 |
| ZZZZZZ | 579350 | 9.03 | 859380 | 9.91 | 396384 | 13.16 | 424323 | 15.72 | 218907 | 6.58 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.1
5

Volatile Internal Standard Area Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSV112-CC112 | Injection Date: 10/17/11 |
| Lab File ID: V2578A.D | Injection Time: 09:16 |
| Instrument ID: GCMSV | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 396652 | 6.55 | 662797 | 7.74 | 363805 | 11.09 | 332790 | 13.33 | 142283 | 3.52 |
| Upper Limit ^a | 793304 | 7.05 | 1325594 | 8.24 | 727610 | 11.59 | 665580 | 13.83 | 284566 | 4.02 |
| Lower Limit ^b | 198326 | 6.05 | 331399 | 7.24 | 181903 | 10.59 | 166395 | 12.83 | 71142 | 3.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSV112-BS | 403615 | 6.55 | 676371 | 7.74 | 375764 | 11.09 | 344731 | 13.32 | 267777 | 3.52 |
| MSV112-MB | 381741 | 6.55 | 655398 | 7.74 | 361311 | 11.09 | 329521 | 13.32 | 233279 | 3.51 |
| MC4387-2 | 371541 | 6.55 | 637420 | 7.74 | 348202 | 11.09 | 303543 | 13.32 | 223491 | 3.51 |
| MC4387-3 | 360959 | 6.55 | 619521 | 7.74 | 345733 | 11.09 | 314448 | 13.32 | 226999 | 3.52 |
| MC4387-4 | 351325 | 6.55 | 610950 | 7.74 | 345905 | 11.09 | 307913 | 13.32 | 204122 | 3.52 |
| MC4387-5 | 333052 | 6.56 | 589116 | 7.74 | 325082 | 11.09 | 286479 | 13.32 | 192305 | 3.52 |
| MC4387-9 | 321699 | 6.56 | 573382 | 7.74 | 323555 | 11.09 | 277282 | 13.33 | 194845 | 3.53 |
| ZZZZZZ | 317418 | 6.56 | 561726 | 7.74 | 316409 | 11.09 | 260558 | 13.32 | 195116 | 3.52 |
| ZZZZZZ | 320374 | 6.56 | 571123 | 7.74 | 309302 | 11.09 | 235563 | 13.32 | 197261 | 3.52 |
| ZZZZZZ | 299817 | 6.56 | 537810 | 7.74 | 296100 | 11.09 | 253977 | 13.32 | 174840 | 3.53 |
| MC4292-3 | 290384 | 6.56 | 524429 | 7.74 | 295045 | 11.09 | 251847 | 13.32 | 196977 | 3.52 |
| MC4387-14 | 287103 | 6.55 | 518569 | 7.74 | 290501 | 11.09 | 248583 | 13.32 | 171041 | 3.52 |
| MC4292-3MS | 296782 | 6.55 | 504822 | 7.74 | 282562 | 11.09 | 260435 | 13.32 | 175426 | 3.52 |
| MC4292-3MSD | 310573 | 6.55 | 533268 | 7.74 | 299326 | 11.09 | 277954 | 13.32 | 185856 | 3.51 |
| ZZZZZZ | 316910 | 6.55 | 554229 | 7.74 | 303321 | 11.09 | 257994 | 13.32 | 98097 | 3.51 |

- IS 1** = Pentafluorobenzene
- IS 2** = 1,4-Difluorobenzene
- IS 3** = Chlorobenzene-D5
- IS 4** = 1,4-Dichlorobenzene-d4
- IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.2
5

Volatile Internal Standard Area Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSV114-CC112 | Injection Date: 10/17/11 |
| Lab File ID: V2600.D | Injection Time: 20:52 |
| Instrument ID: GCMSV | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 353746 | 6.55 | 597202 | 7.74 | 336994 | 11.09 | 304709 | 13.32 | 159585 | 3.53 |
| Upper Limit ^a | 707492 | 7.05 | 1194404 | 8.24 | 673988 | 11.59 | 609418 | 13.82 | 319170 | 4.03 |
| Lower Limit ^b | 176873 | 6.05 | 298601 | 7.24 | 168497 | 10.59 | 152355 | 12.82 | 79793 | 3.03 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSV114-BS | 354845 | 6.55 | 597409 | 7.74 | 338408 | 11.09 | 307673 | 13.32 | 201514 | 3.53 |
| MSV114-MB | 371160 | 6.55 | 638288 | 7.74 | 356933 | 11.09 | 308753 | 13.32 | 214656 | 3.53 |
| MC4387-10 | 330852 | 6.55 | 583193 | 7.74 | 327218 | 11.09 | 277106 | 13.32 | 182197 | 3.51 |
| MC4387-11 | 262866 | 6.55 | 470815 | 7.73 | 252771 | 11.09 | 194187 | 13.32 | 92315 | 3.49 |
| MC4387-12 | 314604 | 6.55 | 551973 | 7.74 | 313054 | 11.09 | 271748 | 13.32 | 194570 | 3.52 |
| MC4387-13 | 313623 | 6.55 | 552008 | 7.74 | 319557 | 11.09 | 276449 | 13.32 | 188591 | 3.51 |
| MC4387-15 | 230968 | 6.55 | 414771 | 7.74 | 234816 | 11.09 | 201805 | 13.32 | 198510 | 3.51 |
| MC4387-16 | 287429 | 6.55 | 519919 | 7.74 | 297135 | 11.09 | 249397 | 13.32 | 154734 | 3.52 |
| MC4387-17 | 291900 | 6.55 | 527717 | 7.74 | 302264 | 11.09 | 246557 | 13.32 | 162116 | 3.52 |
| MC4387-18 | 272880 | 6.55 | 500671 | 7.73 | 288122 | 11.09 | 240923 | 13.32 | 137454 | 3.51 |
| MC4387-1 | 280800 | 6.55 | 507951 | 7.74 | 289057 | 11.09 | 249859 | 13.32 | 168094 | 3.51 |
| MC4387-6 | 267750 | 6.55 | 496143 | 7.74 | 285418 | 11.09 | 241089 | 13.32 | 152441 | 3.51 |
| MC4387-7 | 270128 | 6.55 | 495251 | 7.74 | 289289 | 11.09 | 243303 | 13.32 | 133525 | 3.52 |
| MC4387-8 | 265859 | 6.55 | 473422 | 7.74 | 273951 | 11.09 | 235119 | 13.32 | 152487 | 3.52 |
| ZZZZZZ | 243413 | 6.55 | 455542 | 7.74 | 262304 | 11.09 | 213750 | 13.32 | 104419 | 3.51 |
| ZZZZZZ | 400419 | 6.54 | 666610 | 7.73 | 365919 | 11.08 | 338285 | 13.32 | 146803 | 3.50 |
| ZZZZZZ | 399679 | 6.54 | 674644 | 7.73 | 369838 | 11.08 | 342935 | 13.32 | 131563 | 3.50 |
| MC4387-18MS | 420510 | 6.54 | 693475 | 7.73 | 378985 | 11.08 | 348950 | 13.32 | 250881 | 3.52 |
| MC4387-18MSD | 418359 | 6.54 | 691423 | 7.73 | 386701 | 11.08 | 352054 | 13.32 | 246946 | 3.51 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.3
 5

Volatile Surrogate Recovery Summary

Job Number: MC4387

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Method: SW846 8260B

Matrix: AQ

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---------------|-------------|------|------|------|
| MC4387-19 | N56201.D | 94.0 | 98.0 | 92.0 |
| MC4644-1MS | N56191.D | 92.0 | 98.0 | 87.0 |
| MC4644-1MSD | N56192.D | 93.0 | 97.0 | 88.0 |
| MSN2108-BS | N56186.D | 93.0 | 99.0 | 88.0 |
| MSN2108-BSD | N56187.D | 94.0 | 97.0 | 90.0 |
| MSN2108-MB | N56189.D | 91.0 | 97.0 | 91.0 |

Surrogate Compounds

Recovery Limits

| | |
|---------------------------|---------|
| S1 = Dibromofluoromethane | 70-130% |
| S2 = Toluene-D8 | 70-130% |
| S3 = 4-Bromofluorobenzene | 70-130% |

5.7.1

5

Volatile Surrogate Recovery Summary

Job Number: MC4387

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---------------|-------------|-------|-------|-------|
| MC4387-1 | V2611.D | 109.0 | 101.0 | 101.0 |
| MC4387-2 | V2582.D | 102.0 | 98.0 | 101.0 |
| MC4387-3 | V2583.D | 98.0 | 98.0 | 96.0 |
| MC4387-4 | V2584.D | 97.0 | 97.0 | 96.0 |
| MC4387-5 | V2585.D | 103.0 | 99.0 | 98.0 |
| MC4387-6 | V2612.D | 110.0 | 98.0 | 98.0 |
| MC4387-7 | V2613.D | 111.0 | 100.0 | 98.0 |
| MC4387-8 | V2614.D | 105.0 | 102.0 | 98.0 |
| MC4387-9 | V2589.D | 106.0 | 99.0 | 102.0 |
| MC4387-10 | V2603.D | 102.0 | 99.0 | 104.0 |
| MC4387-11 | V2604.D | 98.0 | 98.0 | 103.0 |
| MC4387-12 | V2605.D | 101.0 | 99.0 | 98.0 |
| MC4387-13 | V2606.D | 103.0 | 98.0 | 98.0 |
| MC4387-14 | V2594.D | 107.0 | 99.0 | 100.0 |
| MC4387-15 | V2607.D | 108.0 | 100.0 | 100.0 |
| MC4387-16 | V2608.D | 106.0 | 99.0 | 100.0 |
| MC4387-17 | V2609.D | 106.0 | 100.0 | 105.0 |
| MC4387-18 | V2610.D | 110.0 | 100.0 | 100.0 |
| MC4292-3MS | V2595.D | 104.0 | 101.0 | 99.0 |
| MC4292-3MSD | V2596.D | 103.0 | 102.0 | 99.0 |
| MC4387-18MS | V2622.D | 100.0 | 103.0 | 104.0 |
| MC4387-18MSD | V2623.D | 99.0 | 103.0 | 102.0 |
| MSV112-BS | V2579.D | 102.0 | 102.0 | 101.0 |
| MSV112-MB | V2580.D | 98.0 | 100.0 | 101.0 |
| MSV114-BS | V2601.D | 107.0 | 105.0 | 104.0 |
| MSV114-MB | V2602.D | 101.0 | 101.0 | 103.0 |

Surrogate Compounds

Recovery Limits

| | |
|---------------------------|---------|
| S1 = Dibromofluoromethane | 70-130% |
| S2 = Toluene-D8 | 70-130% |
| S3 = 4-Bromofluorobenzene | 70-130% |

5.7.2

5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSN2093-ICC2093
Account: GGSVAVB Global General Services **Lab FileID:** N55785.D
Project: NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 Confirmation samples

Response Factor Report MAMSN

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration

Calibration Files

1 =N55781.D 2 =N55782.D 5 =N55783.D 50 =N55785.D
 100 =N55786.D 200 =N55787.D 400 =N55788.D 0.5 =N55780.D
 25 =N55784.D =

| Compound | 1 | 2 | 5 | 50 | 100 | 200 | 400 | 0.5 | 25 | Avg | %RSD |
|---|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|----------------------|
| 1) tert butyl alcohol-d9 -----ISTD----- | | | | | | | | | | | |
| 2) tertiary butyl alcohol | 0.974 | 1.072 | 0.809 | 0.921 | 1.002 | 0.997 | 0.970 | | 0.906 | 0.956 | 8.23 |
| 3) Ethanol | 0.253 | 0.288 | 0.219 | 0.205 | 0.197 | 0.175 | 0.147 | | 0.218 | 0.213 | 20.53 |
| ----- Quadratic regression ----- | | | | | | | | | | | |
| Response Ratio = 0.04291 + 0.20614 *A + -0.00075 *A^2 | | | | | | | | | | | Coefficient = 0.9999 |
| 4) I pentafluorobenzene -----ISTD----- | | | | | | | | | | | |
| 5) dichlorodifluoromethane | 0.392 | 0.497 | 0.389 | 0.388 | 0.381 | 0.368 | 0.366 | | 0.370 | 0.394 | 10.89 |
| 6) chloromethane | 0.549 | 0.506 | 0.384 | 0.355 | 0.360 | 0.362 | 0.383 | | 0.337 | 0.404 | 19.34 |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = -0.01723 + 0.38063 *A | | | | | | | | | | | Coefficient = 0.9991 |
| 7) vinyl chloride | 0.716 | 0.672 | 0.472 | 0.408 | 0.403 | 0.365 | | | 0.401 | 0.491 | 29.09 |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = 0.02183 + 0.36681 *A | | | | | | | | | | | Coefficient = 0.9976 |
| 8) bromomethane | 0.309 | 0.276 | 0.223 | 0.283 | 0.324 | 0.320 | 0.296 | | 0.216 | 0.281 | 14.73 |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = 0.00091 + 0.30155 *A | | | | | | | | | | | Coefficient = 0.9977 |
| 9) chloroethane | 0.308 | 0.328 | 0.279 | 0.284 | 0.272 | 0.252 | 0.226 | | 0.272 | 0.278 | 11.29 |
| 10) ethyl ether | 0.316 | 0.386 | 0.312 | 0.343 | 0.343 | 0.326 | 0.327 | | 0.307 | 0.332 | 7.64 |
| 11) acetonitrile | 0.298 | 0.292 | 0.243 | 0.169 | 0.113 | | | | 0.202 | 0.220 | 32.97 |
| ----- Quadratic regression ----- | | | | | | | | | | | |
| Response Ratio = 0.00244 + 0.22291 *A + -0.05555 *A^2 | | | | | | | | | | | Coefficient = 0.9999 |
| 12) trichlorofluoromethane | 0.742 | 0.807 | 0.682 | 0.715 | 0.690 | 0.657 | 0.662 | | 0.649 | 0.700 | 7.59 |
| 13) freon-113 | 0.453 | 0.478 | 0.404 | 0.435 | 0.424 | 0.404 | 0.402 | | 0.402 | 0.425 | 6.71 |
| 14) acrolein | | | 0.029 | 0.025 | 0.024 | 0.023 | 0.023 | | 0.023 | 0.025 | 8.62 |
| 15) 1,1-dichloroethene | 0.571 | 0.622 | 0.449 | 0.401 | 0.386 | 0.366 | 0.362 | | 0.379 | 0.442 | 22.64 |

5.81
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSN2093-ICC2093
Account: GGSVAVB Global General Services **Lab FileID:** N55785.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | |
|-----|---|----------------------|
| | ----- Linear regression ----- | Coefficient = 0.9997 |
| | Response Ratio = 0.01879 + 0.36107 *A | |
| 16) | acetone | |
| | 0.352 0.305 0.213 0.178 0.140 0.117 | 0.230 0.219 38.74 |
| | ----- Quadratic regression ----- | Coefficient = 0.9964 |
| | Response Ratio = 0.02610 + 0.16798 *A + -0.00681 *A^2 | |
| 17) | Methyl Acetate | |
| | 0.402 0.502 0.403 0.448 0.443 0.438 0.426 | 0.394 0.432 8.07 |
| 18) | methylene chloride | |
| | 0.564 0.451 0.457 0.448 0.428 0.442 | 0.420 0.458 10.53 |
| 19) | methyl tert butyl ether | |
| | 0.489 0.522 0.412 0.680 0.817 0.866 0.991 | 0.532 0.663 31.40 |
| | ----- Quadratic regression ----- | Coefficient = 0.9997 |
| | Response Ratio = -0.04409 + 0.75367 *A + 0.03045 *A^2 | |
| 20) | acrylonitrile | |
| | 0.024 0.028 0.022 0.028 0.031 0.030 0.031 | 0.023 0.027 13.31 |
| 21) | allyl chloride | |
| | 0.278 0.359 0.345 0.551 0.532 0.456 | 0.465 0.426 23.87 |
| | ----- Linear regression ----- | Coefficient = 0.9919 |
| | Response Ratio = 0.02096 + 0.46708 *A | |
| 22) | trans-1,2-dichloroethene | |
| | 0.523 0.550 0.454 0.450 0.447 0.432 0.435 | 0.419 0.464 10.11 |
| 23) | iodomethane | |
| | 0.407 0.469 0.412 0.486 0.470 0.407 0.334 | 0.445 0.429 11.51 |
| 24) | carbon disulfide | |
| | 1.543 1.584 1.349 1.394 1.362 1.313 1.334 | 1.296 1.397 7.71 |
| 25) | propionitrile | |
| | 0.008 0.013 0.011 0.010 0.008 | 0.012 0.010 18.15 |
| | ----- Quadratic regression ----- | Coefficient = 0.9991 |
| | Response Ratio = 0.00057 + 0.01129 *A + -0.00039 *A^2 | |
| 26) | vinyl acetate | |
| | 0.402 0.502 0.403 0.448 0.443 0.438 0.426 | 0.394 0.432 8.07 |
| 27) | chloroprene | |
| | 0.550 0.613 0.537 0.616 0.595 0.577 0.570 | 0.552 0.576 5.15 |
| 28) | di-isopropyl ether | |
| | 1.479 1.440 1.233 1.311 1.280 1.178 1.094 | 1.213 1.279 10.16 |
| 29) | methacrylonitrile | |
| | 0.217 0.257 0.206 0.234 0.246 0.241 0.246 | 0.200 0.231 8.88 |
| 30) | 2-butanone | |
| | 0.042 0.052 0.061 0.058 0.054 0.050 | 0.057 0.053 11.80 |
| 31) | Hexane | |
| | 0.648 0.623 0.534 0.541 0.518 0.477 0.445 | 0.504 0.536 12.82 |
| 32) | 1,1-dichloroethane | |
| | 0.630 0.754 0.667 0.751 0.741 0.702 0.709 | 0.679 0.704 6.25 |
| 33) | tert-butyl ethyl ether | |
| | 0.077 0.091 0.081 0.223 0.341 0.408 0.569 | 0.147 0.242 74.82 |
| | ----- Quadratic regression ----- | Coefficient = 0.9997 |
| | Response Ratio = -0.02584 + 0.25593 *A + 0.03954 *A^2 | |
| 34) | isobutyl alcohol | |
| | 0.250 0.248 0.216 0.217 0.207 0.190 0.174 | 0.205 0.213 12.25 |
| 35) | 2,2-dichloropropane | |
| | 0.026 0.263 0.373 0.432 0.498 | 0.134 0.288 63.22 |
| | ----- Quadratic regression ----- | Coefficient = 0.9994 |
| | Response Ratio = -0.09649 + 0.38956 *A + 0.01518 *A^2 | |

5.8.1
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSN2093-ICC2093
Account: GGSVAVB Global General Services **Lab FileID:** N55785.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | | |
|-------|----------------------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|-------|------|
| 36) | cis-1,2-dichloroethene | 0.664 | 0.603 | 0.495 | 0.517 | 0.503 | 0.481 | 0.486 | 0.477 | 0.528 | 12.90 | |
| 37) | ethyl acetate | 1.168 | 1.242 | 1.078 | 1.085 | 1.037 | 0.948 | 0.872 | 1.009 | 1.055 | 11.15 | |
| 38) | bromochloromethane | 0.245 | 0.285 | 0.225 | 0.229 | 0.222 | 0.209 | 0.203 | 0.216 | 0.229 | 11.30 | |
| 39) | chloroform | 0.857 | 0.895 | 0.721 | 0.784 | 0.772 | 0.738 | 0.728 | 0.721 | 0.777 | 8.53 | |
| 40) | dibromofluoromethane (s) | 0.430 | 0.545 | 0.517 | 0.501 | 0.498 | 0.485 | | 0.558 | 0.505 | 8.31 | |
| 41) | Tetrahydrofuran | 0.109 | 0.116 | 0.100 | 0.101 | 0.114 | 0.112 | 0.117 | 0.089 | 0.107 | 9.23 | |
| 42) | 1,1,1-trichloroethane | 0.322 | 0.468 | 0.472 | 0.677 | 0.679 | 0.660 | 0.676 | 0.589 | 0.568 | 23.51 | |
| | ----- Linear regression ----- | | | | | | | | Coefficient = | 0.9998 | | |
| | Response Ratio = | -0.01691 + 0.67591 *A | | | | | | | | | | |
| 43) I | 1,4-difluorobenzene | -----ISTD----- | | | | | | | | | | |
| 44) | Cyclohexane | 0.505 | 0.544 | 0.465 | 0.484 | 0.472 | 0.447 | 0.442 | 0.461 | 0.477 | 6.99 | |
| 45) | carbon tetrachloride | 0.254 | 0.325 | 0.274 | 0.356 | 0.376 | 0.377 | | 0.318 | 0.326 | 14.84 | |
| 46) | 1,1-dichloropropene | 0.397 | 0.432 | 0.357 | 0.398 | 0.385 | 0.372 | 0.370 | 0.371 | 0.385 | 6.14 | |
| 47) | benzene | 1.396 | 1.372 | 1.153 | 1.193 | 1.187 | 1.134 | 1.121 | 1.343 | 1.125 | 1.225 | 9.19 |
| 48) | 1,2-dichloroethane | 0.391 | 0.431 | 0.334 | 0.359 | 0.361 | 0.348 | 0.352 | 0.334 | 0.364 | 8.98 | |
| 49) | tert-amyl methyl ether | 0.062 | 0.067 | 0.055 | 0.114 | 0.173 | 0.219 | 0.329 | 0.081 | 0.137 | 70.46 | |
| | ----- Quadratic regression ----- | | | | | | | | Coefficient = | 0.9998 | | |
| | Response Ratio = | -0.00880 + 0.11430 *A + 0.02693 *A^2 | | | | | | | | | | |
| 50) | heptane | 0.286 | 0.298 | 0.245 | 0.263 | 0.259 | 0.250 | 0.245 | 0.247 | 0.262 | 7.68 | |
| 51) | trichloroethene | 0.372 | 0.382 | 0.313 | 0.326 | 0.321 | 0.307 | 0.303 | 0.307 | 0.329 | 9.31 | |
| 52) | 1,2-dichloropropane | 0.305 | 0.303 | 0.264 | 0.291 | 0.286 | 0.272 | 0.264 | 0.266 | 0.281 | 6.12 | |
| 53) | dibromomethane | 0.172 | 0.207 | 0.170 | 0.185 | 0.188 | 0.182 | 0.179 | 0.170 | 0.182 | 6.81 | |
| 54) | bromodichloromethane | 0.348 | 0.356 | 0.311 | 0.374 | 0.379 | 0.374 | 0.387 | 0.338 | 0.358 | 7.08 | |
| 55) | Methylcyclohexane | 0.547 | 0.615 | 0.486 | 0.531 | 0.531 | 0.509 | 0.502 | 0.506 | 0.528 | 7.56 | |
| 56) | 2-chloroethyl vinyl ether | 0.305 | 0.303 | 0.264 | 0.291 | 0.286 | 0.272 | 0.264 | 0.266 | 0.281 | 6.12 | |
| 57) | methyl methacrylate | 0.114 | 0.129 | 0.115 | 0.164 | 0.183 | 0.186 | 0.195 | 0.134 | 0.152 | 21.94 | |
| | ----- Linear regression ----- | | | | | | | | Coefficient = | 0.9993 | | |
| | Response Ratio = | -0.01744 + 0.19545 *A | | | | | | | | | | |
| 58) | 1,4-dioxane | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.004 | | 0.003 | 0.004 | 12.18 | |
| 59) | cis-1,3-dichloropropene | 0.190 | 0.241 | 0.237 | 0.413 | 0.442 | 0.441 | 0.454 | 0.160 | 0.348 | 36.45 | |
| | ----- Linear regression ----- | | | | | | | | Coefficient = | 0.9997 | | |
| | Response Ratio = | -0.02432 + 0.45484 *A | | | | | | | | | | |

5.8.1
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSN2093-ICC2093
Account: GGSVAVB Global General Services **Lab FileID:** N55785.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | |
|-----|----------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 60) | toluene-d8 (s) | 1.102 | 1.383 | 1.282 | 1.239 | 1.232 | 1.192 | 1.403 | 1.262 | 8.37 | |
| 61) | 4-methyl-2-pentanone | 0.217 | 0.225 | 0.195 | 0.222 | 0.243 | 0.243 | 0.194 | 0.222 | 8.87 | |
| 62) | toluene | 0.872 | 0.885 | 0.744 | 0.798 | 0.783 | 0.736 | 0.741 | 0.782 | 8.54 | |
| 63) | trans-1,3-dichloropropene | 0.043 | 0.066 | 0.082 | 0.259 | 0.313 | 0.334 | 0.371 | 0.025 | 0.187 | 73.07 |
| | ----- Quadratic regression ----- | | | | | | | | | | Coefficient = 0.9996 |
| | | | | | | | | | | | Response Ratio = -0.02119 + 0.29922 *A + 0.00934 *A^2 |
| 64) | 1,1,2-trichloroethane | 0.228 | 0.264 | 0.207 | 0.231 | 0.234 | 0.225 | 0.209 | 0.228 | 7.61 | |
| 65) | ethyl methacrylate | 0.098 | 0.130 | 0.139 | 0.293 | 0.331 | 0.337 | 0.333 | 0.224 | 0.236 | 42.98 |
| | ----- Linear regression ----- | | | | | | | | | | Coefficient = 0.9995 |
| | | | | | | | | | | | Response Ratio = -0.02223 + 0.33731 *A |
| 66) | I chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 67) | tetrachloroethene | 0.830 | 0.904 | 0.716 | 0.764 | 0.758 | 0.733 | 0.737 | 0.710 | 0.769 | 8.63 |
| 68) | 1,3-dichloropropane | 1.112 | 1.196 | 0.905 | 0.983 | 0.995 | 0.953 | 0.947 | 0.886 | 0.997 | 10.61 |
| 69) | dibromochloromethane | 0.507 | 0.588 | 0.479 | 0.613 | 0.667 | 0.669 | 0.704 | 0.517 | 0.593 | 14.30 |
| 70) | 1,2-dibromoethane | 0.636 | 0.693 | 0.566 | 0.623 | 0.652 | 0.637 | 0.649 | 0.547 | 0.625 | 7.57 |
| 71) | 2-hexanone | 0.311 | 0.332 | 0.333 | 0.372 | 0.382 | 0.365 | 0.371 | 0.329 | 0.349 | 7.48 |
| 72) | chlorobenzene | 2.314 | 2.264 | 1.797 | 1.930 | 1.950 | 1.871 | 1.858 | 1.799 | 1.973 | 10.29 |
| 73) | 1,1,1,2-tetrachloroethane | 0.595 | 0.629 | 0.528 | 0.626 | 0.658 | 0.649 | 0.663 | 0.564 | 0.614 | 7.81 |
| 74) | ethylbenzene | 3.669 | 3.676 | 3.016 | 3.236 | 3.267 | 3.130 | 3.043 | 3.035 | 3.259 | 8.32 |
| 75) | m,p-xylene | 1.532 | 1.514 | 1.229 | 1.306 | 1.301 | 1.211 | 1.120 | 1.222 | 1.304 | 11.24 |
| 76) | o-xylene | 1.410 | 1.427 | 1.160 | 1.282 | 1.277 | 1.199 | 1.135 | 1.190 | 1.260 | 8.77 |
| 77) | styrene | 1.974 | 1.917 | 1.678 | 2.080 | 2.145 | 2.069 | 2.020 | 1.849 | 1.967 | 7.64 |
| 78) | bromoform | 0.252 | 0.320 | 0.259 | 0.372 | 0.438 | 0.467 | 0.505 | 0.294 | 0.363 | 26.80 |
| | ----- Linear regression ----- | | | | | | | | | | Coefficient = 0.9978 |
| | | | | | | | | | | | Response Ratio = -0.07111 + 0.50529 *A |
| 79) | trans-1,4-dichloro-2-butene | 0.073 | 0.053 | 0.043 | 0.020 | 0.039 | 0.057 | 0.082 | 0.009 | 0.047 | 52.80 |
| | ----- Quadratic regression ----- | | | | | | | | | | Coefficient = 0.9989 |
| | | | | | | | | | | | Response Ratio = -0.00430 + 0.02978 *A + 0.00661 *A^2 |
| 80) | I 1,4-dichlorobenzene-d | -----ISTD----- | | | | | | | | | |
| 81) | isopropylbenzene | 2.984 | 3.024 | 2.541 | 2.766 | 2.740 | 2.661 | 2.611 | 2.628 | 2.745 | 6.40 |
| 82) | bromofluorobenzene (s) | 0.940 | 1.181 | 1.044 | 1.009 | 1.020 | 0.976 | 1.151 | 1.046 | 8.49 | |
| 83) | bromobenzene | | | | | | | | | | |

5.8.1
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSN2093-ICC2093
Account: GGSVAVB Global General Services **Lab FileID:** N55785.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | |
|------|----------------------------------|-------|-------|-------|-------|-------|-------|--------------------------------------|-------|--------|--|
| | 0.918 | 0.903 | 0.742 | 0.816 | 0.821 | 0.802 | 0.814 | 0.762 | 0.822 | 7.45 | |
| 84) | 1,1,2,2-tetrachloroethane | | | | | | | 0.652 | 0.718 | 9.47 | |
| | 0.772 | 0.848 | 0.641 | 0.720 | 0.732 | 0.713 | 0.671 | | | | |
| 85) | 1,2,3-trichloropropane | | | | | | | 0.498 | 0.597 | 11.32 | |
| | 0.616 | 0.674 | 0.513 | 0.561 | 0.607 | 0.634 | 0.676 | | | | |
| 86) | n-propylbenzene | | | | | | | 3.526 | 3.647 | 7.17 | |
| | 3.933 | 4.095 | 3.326 | 3.704 | 3.664 | 3.536 | 3.397 | | | | |
| 87) | 2-chlorotoluene | | | | | | | 2.060 | 2.233 | 10.10 | |
| | 2.634 | 2.542 | 2.087 | 2.190 | 2.174 | 2.107 | 2.068 | | | | |
| 88) | 4-chlorotoluene | | | | | | | 2.101 | 2.228 | 7.61 | |
| | 2.374 | 2.573 | 2.071 | 2.236 | 2.204 | 2.155 | 2.107 | | | | |
| 89) | 1,3,5-trimethylbenzene | | | | | | | 2.546 | 2.662 | 5.52 | |
| | 2.860 | 2.843 | 2.459 | 2.735 | 2.702 | 2.617 | 2.538 | | | | |
| 90) | tert-butylbenzene | | | | | | | 1.418 | 1.481 | 6.83 | |
| | 1.575 | 1.672 | 1.386 | 1.507 | 1.477 | 1.425 | 1.385 | | | | |
| 91) | 1,2,4-trimethylbenzene | | | | | | | 2.516 | 2.746 | 10.44 | |
| | 3.311 | 3.049 | 2.509 | 2.707 | 2.703 | 2.614 | 2.559 | | | | |
| 92) | sec-butylbenzene | | | | | | | 3.444 | 3.511 | 5.38 | |
| | 3.549 | 3.873 | 3.275 | 3.618 | 3.570 | 3.438 | 3.321 | | | | |
| 93) | 1,3-dichlorobenzene | | | | | | | 1.439 | 1.578 | 9.07 | |
| | 1.782 | 1.811 | 1.430 | 1.552 | 1.560 | 1.517 | 1.536 | | | | |
| 94) | p-isopropyltoluene | | | | | | | 2.662 | 2.773 | 9.19 | |
| | 2.989 | 3.239 | 2.548 | 2.840 | 2.807 | 2.659 | 2.442 | | | | |
| 95) | 1,4-dichlorobenzene | | | | | | | 1.477 | 1.594 | 11.72 | |
| | 1.873 | 1.891 | 1.498 | 1.574 | 1.565 | 1.494 | 1.383 | | | | |
| 96) | 1,2-dichlorobenzene | | | | | | | 1.355 | 1.498 | 7.97 | |
| | 1.640 | 1.693 | 1.357 | 1.473 | 1.502 | 1.471 | 1.496 | | | | |
| 97) | n-butylbenzene | | | | | | | 2.518 | 2.641 | 5.74 | |
| | 2.753 | 2.822 | 2.346 | 2.683 | 2.736 | 2.668 | 2.599 | | | | |
| 98) | 1,2-dibromo-3-chloropropane | | | | | | | 0.094 | 0.116 | 14.76 | |
| | 0.122 | 0.114 | 0.092 | 0.111 | 0.128 | 0.132 | 0.140 | | | | |
| 99) | 1,2,4-trichlorobenzene | | | | | | | 0.823 | 0.976 | 11.24 | |
| | 1.060 | 1.047 | 0.787 | 0.971 | 1.033 | 1.020 | 1.065 | | | | |
| 100) | 1,3,5-trichlorobenzene | | | | | | | 0.977 | 1.130 | 11.13 | |
| | 1.333 | 1.254 | 0.958 | 1.103 | 1.137 | 1.124 | 1.154 | | | | |
| 101) | hexachlorobutadiene | | | | | | | 0.447 | 0.505 | 8.41 | |
| | 0.576 | 0.538 | 0.453 | 0.493 | 0.511 | 0.504 | 0.516 | | | | |
| 102) | naphthalene | | | | | | | 1.828 | 2.213 | 18.59 | |
| | 2.190 | 1.988 | 1.524 | 2.315 | 2.587 | 2.623 | 2.650 | | | | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | | 0.9996 | |
| | Response Ratio = | | | | | | | -0.17632 + 2.66812 *A | | | |
| 103) | 1,2,3-trichlorobenzene | | | | | | | 0.713 | 0.859 | 14.45 | |
| | 0.919 | 0.840 | 0.638 | 0.876 | 0.943 | 0.951 | 0.993 | | | | |
| 104) | 2-methylnaphthalene | | | | | | | 0.316 | 0.651 | 48.50 | |
| | 0.648 | 0.400 | 0.285 | 0.587 | 0.854 | 0.992 | 1.128 | | | | |
| | ----- Quadratic regression ----- | | | | | | | Coefficient = | | 0.9987 | |
| | Response Ratio = | | | | | | | -0.05527 + 0.83627 *A + 0.07716 *A^2 | | | |

 (#) = Out of Range ### Number of calibration levels exceeded format ###

N100711W.M Sat Oct 08 14:47:34 2011 RP1

5.8.1
5

Initial Calibration Verification

Job Number: MC4387 Sample: MSN2093-ICV2093
 Account: GGSVAVB Global General Services Lab FileID: N55790.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\N55790.D Vial: 27
 Acq On : 7 Oct 2011 3:30 pm Operator: danat
 Sample : icv2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|------|-------------------------|-------------|----------|---------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 129 | 0.00 | 6.58 |
| 2 | tertiary butyl alcohol | 0.956 | 0.930 | 2.7 | 130 | 0.00 | 6.67 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 3 T | Ethanol | 5000.000 | 4565.857 | 8.7 | 117 | 0.00 | 5.42 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 109 | 0.00 | 9.03 |
| 5 M | dichlorodifluoromethane | 0.394 | 0.385 | 2.3 | 108 | 0.00 | 4.24 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 6 P | chloromethane | 50.000 | 47.715 | 4.6 | 106 | 0.00 | 4.50 |
| 7 c | vinyl chloride | 50.000 | 52.993 | -6.0 | 109 | 0.00 | 4.75 |
| 8 M | bromomethane | 50.000 | 48.286 | 3.4 | 112 | 0.00 | 5.25 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 9 M | chloroethane | 0.278 | 0.280 | -0.7 | 107 | 0.00 | 5.43 |
| 10 M | ethyl ether | 0.332 | 0.345 | -3.9 | 109 | 0.00 | 6.32 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 11 M | acetonitrile | 50.000 | 41.099 | 17.8 | 95 | 0.00 | 5.98 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 12 M | trichlorofluoromethane | 0.700 | 0.703 | -0.4 | 107 | 0.00 | 6.08 |
| 13 M | freon-113 | 0.425 | 0.431 | -1.4 | 108 | 0.00 | 6.87 |
| 14 M | acrolein | 0.025 | 0.025 | 0.0 | 112 | 0.00 | 6.07 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 15 c | 1,1-dichloroethene | 50.000 | 53.084 | -6.2 | 109 | 0.00 | 6.67 |
| 16 M | acetone | 50.000 | 54.087 | -8.2 | 102 | 0.00 | 6.21 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 17 M | Methyl Acetate | 0.432 | 0.474 | -9.7 | 115 | 0.00 | 6.85 |
| 18 M | methylene chloride | 0.458 | 0.449 | 2.0 | 107 | 0.00 | 6.82 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 19 M | methyl tert butyl ether | 50.000 | 52.799 | -5.6 | 126 | 0.00 | 7.61 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 20 M | acrylonitrile | 0.027 | 0.031 | -14.8 | 119 | 0.00 | 6.72 |

Initial Calibration Verification

Job Number: MC4387

Sample: MSN2093-ICV2093

Account: GGSVAVB Global General Services

Lab FileID: N55790.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|--------|--------|---------|-----|------|-------|
| 21 M | allyl chloride | 50.000 | 55.724 | -11.4 | 107 | 0.00 | 6.92 |
| | | AvgRF | CCRF | % Dev | | | |
| 22 M | trans-1,2-dichloroethene | 0.464 | 0.463 | 0.2 | 112 | 0.00 | 7.52 |
| 23 M | iodomethane | 0.429 | 0.601 | -40.1# | 134 | 0.00 | 6.73 |
| 24 M | carbon disulfide | 1.397 | 1.422 | -1.8 | 111 | 0.00 | 7.10 |
| | | True | Calc. | % Drift | | | |
| 25 M | propionitrile | 50.000 | 45.745 | 8.5 | 92 | 0.00 | 6.65 |
| | | AvgRF | CCRF | % Dev | | | |
| 26 M | vinyl acetate | 0.432 | 0.474 | -9.7 | 115 | 0.00 | 6.85 |
| 27 M | chloroprene | 0.576 | 0.620 | -7.6 | 110 | 0.00 | 8.14 |
| 28 M | di-isopropyl ether | 1.279 | 1.297 | -1.4 | 108 | 0.00 | 8.18 |
| 29 M | methacrylonitrile | 0.231 | 0.249 | -7.8 | 116 | 0.00 | 8.29 |
| 30 M | 2-butanone | 0.053 | 0.063 | -18.9 | 113 | 0.00 | 8.18 |
| 31 M | Hexane | 0.536 | 0.528 | 1.5 | 106 | 0.00 | 8.16 |
| 32 P | 1,1-dichloroethane | 0.704 | 0.747 | -6.1 | 108 | 0.00 | 7.77 |
| | | True | Calc. | % Drift | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 51.688 | -3.4 | 137 | 0.00 | 8.57 |
| | | AvgRF | CCRF | % Dev | | | |
| 34 M | isobutyl alcohol | 0.213 | 0.214 | -0.5 | 107 | 0.00 | 8.17 |
| | | True | Calc. | % Drift | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 46.951 | 6.1 | 117 | 0.00 | 8.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 36 M | cis-1,2-dichloroethene | 0.528 | 0.515 | 2.5 | 108 | 0.00 | 8.34 |
| 37 M | ethyl acetate | 1.055 | 1.067 | -1.1 | 107 | 0.00 | 8.17 |
| 38 M | bromochloromethane | 0.229 | 0.217 | 5.2 | 103 | 0.00 | 8.51 |
| 39 c | chloroform | 0.777 | 0.779 | -0.3 | 108 | 0.00 | 8.55 |
| 40 S | dibromofluoromethane (s) | 0.505 | 0.512 | -1.4 | 108 | 0.00 | 8.67 |
| 41 M | Tetrahydrofuran | 0.107 | 0.108 | -0.9 | 116 | 0.00 | 8.88 |
| | | True | Calc. | % Drift | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 51.212 | -2.4 | 108 | 0.00 | 9.31 |
| | | AvgRF | CCRF | % Dev | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 | 9.91 |
| 44 M | Cyclohexane | 0.477 | 0.488 | -2.3 | 108 | 0.00 | 9.59 |
| 45 M | carbon tetrachloride | 0.326 | 0.380 | -16.6 | 114 | 0.00 | 9.67 |
| 46 M | 1,1-dichloropropene | 0.385 | 0.393 | -2.1 | 106 | 0.00 | 9.48 |
| 47 M | benzene | 1.225 | 1.213 | 1.0 | 109 | 0.00 | 9.71 |
| 48 M | 1,2-dichloroethane | 0.364 | 0.358 | 1.6 | 107 | 0.00 | 9.20 |
| | | True | Calc. | % Drift | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 57.240 | -14.5 | 148 | 0.00 | 9.82 |
| | | AvgRF | CCRF | % Dev | | | |
| 50 M | heptane | 0.262 | 0.262 | 0.0 | 107 | 0.00 | 10.18 |
| 51 M | trichloroethene | 0.329 | 0.332 | -0.9 | 109 | 0.00 | 10.32 |
| 52 c | 1,2-dichloropropane | 0.281 | 0.291 | -3.6 | 107 | 0.00 | 10.29 |
| 53 M | dibromomethane | 0.182 | 0.185 | -1.6 | 107 | 0.00 | 10.26 |
| 54 M | bromodichloromethane | 0.358 | 0.383 | -7.0 | 110 | 0.00 | 10.38 |
| 55 M | Methylcyclohexane | 0.528 | 0.548 | -3.8 | 111 | 0.00 | 10.84 |
| 56 M | 2-chloroethyl vinyl ether | 0.281 | 0.291 | -3.6 | 107 | 0.00 | 10.29 |

5.82
5

Initial Calibration Verification

Job Number: MC4387 **Sample:** MSN2093-ICV2093
Account: GGSVAVB Global General Services **Lab FileID:** N55790.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|--------|--------|---------|-----|------|-------|
| 57 M | methyl methacrylate | 50.000 | 51.730 | -3.5 | 121 | 0.00 | 10.47 |
| | | AvgRF | CCRF | % Dev | | | |
| 58 M | 1,4-dioxane | 0.004 | 0.004 | 0.0 | 130 | 0.00 | 10.47 |
| | | True | Calc. | % Drift | | | |
| 59 M | cis-1,3-dichloropropene | 50.000 | 48.463 | 3.1 | 108 | 0.00 | 10.99 |
| | | AvgRF | CCRF | % Dev | | | |
| 60 S | toluene-d8 (s) | 1.262 | 1.314 | -4.1 | 110 | 0.00 | 11.71 |
| 61 M | 4-methyl-2-pentanone | 0.222 | 0.244 | -9.9 | 118 | 0.00 | 11.09 |
| 62 c | toluene | 0.782 | 0.809 | -3.5 | 109 | 0.00 | 11.78 |
| | | True | Calc. | % Drift | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 48.253 | 3.5 | 115 | 0.00 | 11.41 |
| | | AvgRF | CCRF | % Dev | | | |
| 64 M | 1,1,2-trichloroethane | 0.228 | 0.233 | -2.2 | 108 | 0.00 | 11.59 |
| | | True | Calc. | % Drift | | | |
| 65 M | ethyl methacrylate | 50.000 | 51.200 | -2.4 | 118 | 0.00 | 11.79 |
| | | AvgRF | CCRF | % Dev | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 | 13.16 |
| 67 M | tetrachloroethene | 0.769 | 0.777 | -1.0 | 109 | 0.00 | 12.52 |
| 68 M | 1,3-dichloropropane | 0.997 | 0.985 | 1.2 | 107 | 0.00 | 11.82 |
| 69 M | dibromochloromethane | 0.593 | 0.647 | -9.1 | 113 | 0.00 | 12.11 |
| 70 M | 1,2-dibromoethane | 0.625 | 0.637 | -1.9 | 110 | 0.00 | 12.36 |
| 71 M | 2-hexanone | 0.349 | 0.384 | -10.0 | 110 | 0.00 | 11.94 |
| 72 P | chlorobenzene | 1.973 | 1.949 | 1.2 | 108 | 0.00 | 13.20 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.614 | 0.646 | -5.2 | 111 | 0.00 | 13.11 |
| 74 c | ethylbenzene | 3.259 | 3.283 | -0.7 | 109 | 0.00 | 13.37 |
| 75 M | m,p-xylene | 1.304 | 1.322 | -1.4 | 109 | 0.00 | 13.56 |
| 76 M | o-xylene | 1.260 | 1.275 | -1.2 | 107 | 0.00 | 13.97 |
| 77 M | styrene | 1.967 | 2.107 | -7.1 | 109 | 0.00 | 13.90 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 47.879 | 4.2 | 119 | 0.00 | 13.72 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 38.317 | 23.4# | 121 | 0.00 | 14.12 |
| | | AvgRF | CCRF | % Dev | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 105 | 0.00 | 15.72 |
| 81 M | isopropylbenzene | 2.745 | 2.891 | -5.3 | 110 | 0.00 | 14.33 |
| 82 S | bromofluorobenzene (s) | 1.046 | 1.069 | -2.2 | 107 | 0.00 | 14.39 |
| 83 M | bromobenzene | 0.822 | 0.845 | -2.8 | 109 | 0.00 | 14.62 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.718 | 0.756 | -5.3 | 110 | 0.00 | 13.97 |
| 85 M | 1,2,3-trichloropropane | 0.597 | 0.601 | -0.7 | 112 | 0.00 | 14.11 |
| 86 M | n-propylbenzene | 3.647 | 3.834 | -5.1 | 109 | 0.00 | 14.78 |
| 87 M | 2-chlorotoluene | 2.233 | 2.259 | -1.2 | 108 | 0.00 | 14.90 |
| 88 M | 4-chlorotoluene | 2.228 | 2.280 | -2.3 | 107 | 0.00 | 14.97 |
| 89 M | 1,3,5-trimethylbenzene | 2.662 | 2.819 | -5.9 | 108 | 0.00 | 15.06 |
| 90 M | tert-butylbenzene | 1.481 | 1.544 | -4.3 | 107 | 0.00 | 15.36 |
| 91 M | 1,2,4-trimethylbenzene | 2.746 | 2.805 | -2.1 | 109 | 0.00 | 15.47 |
| 92 M | sec-butylbenzene | 3.511 | 3.744 | -6.6 | 109 | 0.00 | 15.58 |
| 93 M | 1,3-dichlorobenzene | 1.578 | 1.606 | -1.8 | 109 | 0.00 | 15.68 |
| 94 M | p-isopropyltoluene | 2.773 | 2.931 | -5.7 | 108 | 0.00 | 15.75 |

5.8.2
5

Initial Calibration Verification

Job Number: MC4387 **Sample:** MSN2093-ICV2093
Account: GGSVAVB Global General Services **Lab FileID:** N55790.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|-------|---------------------------|-------------|--------|---------|-------|------|-------|
| 95 M | 1,4-dichlorobenzene | 1.594 | 1.636 | -2.6 | 109 | 0.00 | 15.75 |
| 96 M | 1,2-dichlorobenzene | 1.498 | 1.522 | -1.6 | 108 | 0.00 | 16.12 |
| 97 M | n-butylbenzene | 2.641 | 2.841 | -7.6 | 111 | 0.00 | 16.17 |
| 98 M | 1,2-dibromo-3-chloropropa | 0.116 | 0.128 | -10.3 | 121 | 0.00 | 16.59 |
| 99 M | 1,2,4-trichlorobenzene | 0.976 | 1.063 | -8.9 | 115 | 0.00 | 17.99 |
| 100 M | 1,3,5-trichlorobenzene | 1.130 | 1.203 | -6.5 | 114 | 0.00 | 17.42 |
| 101 M | hexachlorobutadiene | 0.505 | 0.538 | -6.5 | 114 | 0.00 | 18.30 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 102 M | naphthalene | 50.000 | 52.691 | -5.4 | 119 | 0.00 | 18.28 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 103 M | 1,2,3-trichlorobenzene | 0.859 | 0.969 | -12.8 | 116 | 0.00 | 18.50 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 104 M | 2-methylnaphthalene | 25.000 | 30.755 | -23.0# | 175 | 0.00 | 19.81 |

(3.0 %) 3 of 100 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 N55785.D N100711W.M Sat Oct 08 14:50:54 2011 RP1

5.8.2
5

Continuing Calibration Summary

Job Number: MC4387 Sample: MSN2108-CC2093
 Account: GGSVAVB Global General Services Lab FileID: N56185.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\N56185.D Vial: 15
 Acq On : 15 Oct 2011 5:27 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24140,MSN2108,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|-------------------------|----------|----------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 174 | 0.00 | 6.58 |
| 2 | tertiary butyl alcohol | 0.956 | 0.856 | 10.5 | 162 | 0.00 | 6.66 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 3 T | Ethanol | 5000.000 | 3114.744 | 37.7# | 110 | 0.00 | 5.42 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 118 | 0.00 | 9.03 |
| 5 M | dichlorodifluoromethane | 0.394 | 0.478 | -21.3# | 145 | 0.00 | 4.24 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 6 P | chloromethane | 50.000 | 50.527 | -1.1 | 122 | 0.00 | 4.50 |
| 7 c | vinyl chloride | 50.000 | 57.497 | -15.0 | 128 | 0.00 | 4.75 |
| 8 M | bromomethane | 50.000 | 48.984 | 2.0 | 124 | 0.00 | 5.26 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 9 M | chloroethane | 0.278 | 0.304 | -9.4 | 126 | 0.00 | 5.43 |
| 10 M | ethyl ether | 0.332 | 0.346 | -4.2 | 119 | 0.00 | 6.32 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 22.153 | 55.7# | 63 | 0.00 | 5.98 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 0.700 | 0.760 | -8.6 | 126 | 0.00 | 6.09 |
| 13 M | freon-113 | 0.425 | 0.474 | -11.5 | 129 | 0.00 | 6.87 |
| 14 M | acrolein | 0.025 | 0.021 | 16.0 | 99 | 0.00 | 6.07 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 15 c | 1,1-dichloroethene | 50.000 | 55.392 | -10.8 | 123 | 0.00 | 6.67 |
| 16 M | acetone | 50.000 | 35.907 | 28.2# | 79 | 0.00 | 6.21 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.432 | 0.436 | -0.9 | 115 | 0.00 | 6.85 |
| 18 M | methylene chloride | 0.458 | 0.473 | -3.3 | 122 | 0.00 | 6.82 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 19 M | methyl tert butyl ether | 50.000 | 73.387 | -46.8# | 196 | 0.00 | 7.61 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 20 M | acrylonitrile | 0.027 | 0.031 | -14.8 | 129 | 0.00 | 6.72 |

Continuing Calibration Summary

Job Number: MC4387

Sample: MSN2108-CC2093

Account: GGSVAVB Global General Services

Lab FileID: N56185.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|--------|---------|---------|-----|------|-------|
| 21 M | allyl chloride | 50.000 | 52.988 | -6.0 | 111 | 0.00 | 6.92 |
| | | AvgRF | CCRF | % Dev | | | |
| 22 M | trans-1,2-dichloroethene | 0.464 | 0.470 | -1.3 | 123 | 0.00 | 7.52 |
| 23 M | iodomethane | 0.429 | 0.558 | -30.1# | 135 | 0.00 | 6.73 |
| 24 M | carbon disulfide | 1.397 | 1.491 | -6.7 | 126 | 0.00 | 7.10 |
| | | True | Calc. | % Drift | | | |
| 25 M | propionitrile | 50.000 | 22.526 | 54.9# | 53 | 0.00 | 6.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 26 M | vinyl acetate | 0.432 | 0.436 | -0.9 | 115 | 0.00 | 6.85 |
| 27 M | chloroprene | 0.576 | 0.594 | -3.1 | 114 | 0.00 | 8.14 |
| 28 M | di-isopropyl ether | 1.279 | 1.210 | 5.4 | 109 | 0.00 | 8.18 |
| 29 M | methacrylonitrile | 0.231 | 0.236 | -2.2 | 119 | 0.00 | 8.29 |
| 30 M | 2-butanone | 0.053 | 0.063 | -18.9 | 122 | 0.00 | 8.18 |
| 31 M | Hexane | 0.536 | 0.522 | 2.6 | 114 | 0.00 | 8.16 |
| 32 P | 1,1-dichloroethane | 0.704 | 0.767 | -8.9 | 121 | 0.00 | 7.77 |
| | | True | Calc. | % Drift | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 131.189 | -162.4# | 487 | 0.00 | 8.57 |
| | | AvgRF | CCRF | % Dev | | | |
| 34 M | isobutyl alcohol | 0.213 | 0.204 | 4.2 | 111 | 0.00 | 8.17 |
| | | True | Calc. | % Drift | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 69.359 | -38.7# | 213 | 0.00 | 8.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 36 M | cis-1,2-dichloroethene | 0.528 | 0.528 | 0.0 | 121 | 0.00 | 8.34 |
| 37 M | ethyl acetate | 1.055 | 1.022 | 3.1 | 111 | 0.00 | 8.17 |
| 38 M | bromochloromethane | 0.229 | 0.244 | -6.6 | 126 | 0.00 | 8.51 |
| 39 c | chloroform | 0.777 | 0.789 | -1.5 | 119 | 0.00 | 8.55 |
| 40 S | dibromofluoromethane (s) | 0.505 | 0.529 | -4.8 | 121 | 0.00 | 8.67 |
| 41 M | Tetrahydrofuran | 0.107 | 0.113 | -5.6 | 132 | 0.00 | 8.88 |
| | | True | Calc. | % Drift | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 52.310 | -4.6 | 120 | 0.00 | 9.31 |
| | | AvgRF | CCRF | % Dev | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 115 | 0.00 | 9.91 |
| 44 M | Cyclohexane | 0.477 | 0.507 | -6.3 | 121 | 0.00 | 9.59 |
| 45 M | carbon tetrachloride | 0.326 | 0.401 | -23.0# | 130 | 0.00 | 9.67 |
| 46 M | 1,1-dichloropropene | 0.385 | 0.420 | -9.1 | 122 | 0.00 | 9.48 |
| 47 M | benzene | 1.225 | 1.256 | -2.5 | 121 | 0.00 | 9.71 |
| 48 M | 1,2-dichloroethane | 0.364 | 0.361 | 0.8 | 116 | 0.00 | 9.20 |
| | | True | Calc. | % Drift | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 147.353 | -194.7# | 570 | 0.00 | 9.82 |
| | | AvgRF | CCRF | % Dev | | | |
| 50 M | heptane | 0.262 | 0.278 | -6.1 | 122 | 0.00 | 10.18 |
| 51 M | trichloroethene | 0.329 | 0.347 | -5.5 | 123 | 0.00 | 10.33 |
| 52 c | 1,2-dichloropropane | 0.281 | 0.303 | -7.8 | 120 | 0.00 | 10.29 |
| 53 M | dibromomethane | 0.182 | 0.194 | -6.6 | 121 | 0.00 | 10.26 |
| 54 M | bromodichloromethane | 0.358 | 0.387 | -8.1 | 120 | 0.00 | 10.38 |
| 55 M | Methylcyclohexane | 0.528 | 0.594 | -12.5 | 129 | 0.00 | 10.84 |
| 56 M | 2-chloroethyl vinyl ether | 0.281 | 0.303 | -7.8 | 120 | 0.00 | 10.29 |

5.8.3
5

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSN2108-CC2093
Account: GGSVAVB Global General Services **Lab FileID:** N56185.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|--------|--------|---------|-----|------|-------|
| 57 M | methyl methacrylate | 50.000 | 51.806 | -3.6 | 130 | 0.00 | 10.47 |
| | | AvgRF | CCRF | % Dev | | | |
| 58 M | 1,4-dioxane | 0.004 | 0.004 | 0.0 | 134 | 0.00 | 10.47 |
| | | True | Calc. | % Drift | | | |
| 59 M | cis-1,3-dichloropropene | 50.000 | 54.330 | -8.7 | 131 | 0.00 | 10.99 |
| | | AvgRF | CCRF | % Dev | | | |
| 60 S | toluene-d8 (s) | 1.262 | 1.380 | -9.4 | 124 | 0.00 | 11.71 |
| 61 M | 4-methyl-2-pentanone | 0.222 | 0.233 | -5.0 | 121 | 0.00 | 11.09 |
| 62 c | toluene | 0.782 | 0.833 | -6.5 | 120 | 0.00 | 11.78 |
| | | True | Calc. | % Drift | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 61.112 | -22.2# | 160 | 0.00 | 11.41 |
| | | AvgRF | CCRF | % Dev | | | |
| 64 M | 1,1,2-trichloroethane | 0.228 | 0.243 | -6.6 | 121 | 0.00 | 11.59 |
| | | True | Calc. | % Drift | | | |
| 65 M | ethyl methacrylate | 50.000 | 50.942 | -1.9 | 126 | 0.00 | 11.79 |
| | | AvgRF | CCRF | % Dev | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 111 | 0.00 | 13.16 |
| 67 M | tetrachloroethene | 0.769 | 0.856 | -11.3 | 124 | 0.00 | 12.52 |
| 68 M | 1,3-dichloropropane | 0.997 | 1.080 | -8.3 | 121 | 0.00 | 11.82 |
| 69 M | dibromochloromethane | 0.593 | 0.723 | -21.9# | 130 | 0.00 | 12.11 |
| 70 M | 1,2-dibromoethane | 0.625 | 0.693 | -10.9 | 123 | 0.00 | 12.36 |
| 71 M | 2-hexanone | 0.349 | 0.393 | -12.6 | 117 | 0.00 | 11.94 |
| 72 P | chlorobenzene | 1.973 | 2.178 | -10.4 | 125 | 0.00 | 13.20 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.614 | 0.714 | -16.3 | 126 | 0.00 | 13.11 |
| 74 c | ethylbenzene | 3.259 | 3.487 | -7.0 | 119 | 0.00 | 13.37 |
| 75 M | m,p-xylene | 1.304 | 1.452 | -11.3 | 123 | 0.00 | 13.56 |
| 76 M | o-xylene | 1.260 | 1.424 | -13.0 | 123 | 0.00 | 13.97 |
| 77 M | styrene | 1.967 | 2.261 | -14.9 | 120 | 0.00 | 13.90 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 52.669 | -5.3 | 137 | 0.00 | 13.72 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 96.578 | -93.2# | 434 | 0.00 | 14.11 |
| | | AvgRF | CCRF | % Dev | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 120 | 0.00 | 15.72 |
| 81 M | isopropylbenzene | 2.745 | 2.847 | -3.7 | 123 | 0.00 | 14.33 |
| 82 S | bromofluorobenzene (s) | 1.046 | 1.027 | 1.8 | 118 | 0.00 | 14.39 |
| 83 M | bromobenzene | 0.822 | 0.850 | -3.4 | 125 | 0.00 | 14.62 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.718 | 0.764 | -6.4 | 127 | 0.00 | 13.96 |
| 85 M | 1,2,3-trichloropropane | 0.597 | 0.690 | -15.6 | 147 | 0.00 | 14.11 |
| 86 M | n-propylbenzene | 3.647 | 3.798 | -4.1 | 123 | 0.00 | 14.78 |
| 87 M | 2-chlorotoluene | 2.233 | 2.203 | 1.3 | 120 | 0.00 | 14.89 |
| 88 M | 4-chlorotoluene | 2.228 | 2.272 | -2.0 | 122 | 0.00 | 14.97 |
| 89 M | 1,3,5-trimethylbenzene | 2.662 | 2.855 | -7.3 | 125 | 0.00 | 15.06 |
| 90 M | tert-butylbenzene | 1.481 | 1.513 | -2.2 | 120 | 0.00 | 15.36 |
| 91 M | 1,2,4-trimethylbenzene | 2.746 | 2.884 | -5.0 | 127 | 0.00 | 15.46 |
| 92 M | sec-butylbenzene | 3.511 | 3.846 | -9.5 | 127 | 0.00 | 15.58 |
| 93 M | 1,3-dichlorobenzene | 1.578 | 1.632 | -3.4 | 126 | 0.00 | 15.68 |
| 94 M | p-isopropyltoluene | 2.773 | 3.102 | -11.9 | 131 | 0.00 | 15.75 |

5.8.3
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Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSN2108-CC2093
Account: GGSVAVB Global General Services **Lab FileID:** N56185.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|-------|---------------------------|--------|---------|--------------|-----|------|-------|
| 95 M | 1,4-dichlorobenzene | 1.594 | 1.691 | -6.1 | 129 | 0.00 | 15.75 |
| 96 M | 1,2-dichlorobenzene | 1.498 | 1.566 | -4.5 | 127 | 0.00 | 16.12 |
| 97 M | n-butylbenzene | 2.641 | 2.936 | -11.2 | 131 | 0.00 | 16.17 |
| 98 M | 1,2-dibromo-3-chloropropa | 0.116 | 0.131 | -12.9 | 141 | 0.00 | 16.59 |
| 99 M | 1,2,4-trichlorobenzene | 0.976 | 1.148 | -17.6 | 142 | 0.00 | 17.99 |
| 100 M | 1,3,5-trichlorobenzene | 1.130 | 1.276 | -12.9 | 138 | 0.00 | 17.42 |
| 101 M | hexachlorobutadiene | 0.505 | 0.577 | -14.3 | 140 | 0.00 | 18.30 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 102 M | naphthalene | 50.000 | 54.765 | -9.5 | 142 | 0.00 | 18.28 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 103 M | 1,2,3-trichlorobenzene | 0.859 | 1.058 | -23.2# | 145 | 0.00 | 18.50 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 104 M | 2-methylnaphthalene | | | -----NA----- | | | |

(15.2 %) 15 of 99 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 N55785.D N100711W.M Mon Oct 17 13:31:12 2011 RP1

5.8.3
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Response Factor Report GCMS V

Method : C:\msdchem\1\METHODS\vl01511s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

Calibration Files

20 =V2568.D 2 =V2565.D 5 =V2566.D 50 =V2569.D
 100 =V2570.D 200 =V2571.D 400 =V2572.D 0.5 =V2564.D
 10 =V2567.D =

| Compound | 20 | 2 | 5 | 50 | 100 | 200 | 400 | 0.5 | 10 | Avg | %RSD |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1) tert butyl alcohol-d9 -----ISTD----- | | | | | | | | | | | |
| 2) tertiary butyl alcohol | 1.113 | 1.136 | 1.118 | 1.222 | 1.419 | 1.362 | 1.247 | 0.979 | 1.200 | 11.98 | |
| 3) Ethanol | 0.059 | 0.095 | 0.079 | 0.079 | 0.081 | 0.072 | 0.047 | 0.056 | 0.071 | 22.46 | |
| ----- Quadratic regression ----- | | | | | | | | | | | |
| Response Ratio = -0.06543 + 0.09668 *A + -0.00060 *A^2 | | | | | | | | | | | |
| 4) I pentafluorobenzene -----ISTD----- | | | | | | | | | | | |
| 5) dichlorodifluoromethane | 0.812 | 0.976 | 0.914 | 0.990 | 0.940 | 0.957 | 0.874 | 0.780 | 0.905 | 8.50 | |
| 6) chloromethane | 0.725 | 0.872 | 0.840 | 0.811 | 0.813 | 0.800 | 0.755 | 0.667 | 0.785 | 8.45 | |
| 7) vinyl chloride | 0.807 | 0.910 | 0.893 | 0.908 | 0.910 | 0.909 | 0.871 | 0.722 | 0.866 | 7.87 | |
| 8) bromomethane | 0.373 | 0.535 | 0.495 | 0.520 | 0.511 | 0.497 | 0.448 | 0.384 | 0.470 | 13.21 | |
| 9) chloroethane | 0.327 | 0.460 | 0.418 | 0.423 | 0.414 | 0.401 | 0.364 | 0.322 | 0.391 | 12.53 | |
| 10) ethyl ether | 0.412 | 0.467 | 0.441 | 0.435 | 0.444 | 0.443 | 0.416 | 0.378 | 0.429 | 6.27 | |
| 11) acetonitrile | 0.909 | 0.818 | 1.070 | 1.125 | 1.132 | 1.040 | 0.759 | 0.979 | 0.979 | 15.36 | |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = 0.02530 + 1.05653 *A | | | | | | | | | | | |
| 12) trichlorofluoromethane | 0.968 | 1.214 | 1.111 | 1.119 | 1.123 | 1.097 | 1.001 | 0.916 | 1.069 | 9.17 | |
| 13) freon-113 | 0.690 | 0.796 | 0.740 | 0.763 | 0.758 | 0.748 | 0.695 | 0.625 | 0.727 | 7.40 | |
| 14) acrolein | 0.031 | 0.031 | 0.033 | 0.035 | 0.035 | 0.034 | 0.026 | 0.026 | 0.032 | 9.85 | |
| 15) 1,1-dichloroethene | 0.565 | 0.634 | 0.600 | 0.628 | 0.647 | 0.645 | 0.611 | 0.500 | 0.604 | 8.26 | |
| 16) acetone | 0.228 | 0.293 | 0.212 | 0.196 | 0.197 | 0.173 | 0.250 | 0.221 | 0.221 | 18.14 | |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = 0.03247 + 0.17324 *A | | | | | | | | | | | |
| 17) Methyl Acetate | 0.706 | 0.708 | 0.674 | 0.697 | 0.724 | 0.737 | 0.667 | 0.603 | 0.689 | 6.09 | |
| 18) methylene chloride | 0.859 | 2.040 | 1.258 | 0.831 | 0.819 | 0.796 | 0.740 | 0.909 | 1.032 | 42.39 | |

5.84
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | |
|-----|---|----------------------|-------|-------|--|--|--|--|--|
| | ----- Linear regression ----- | Coefficient = 0.9987 | | | | | | | |
| | Response Ratio = 0.08090 + 0.74087 *A | | | | | | | | |
| 19) | methyl tert butyl ether | | | | | | | | |
| | 1.366 1.299 1.266 1.529 1.660 1.750 1.689 | 1.152 | 1.464 | 15.24 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9995 | | | | | | | |
| | Response Ratio = -0.07577 + 1.71061 *A | | | | | | | | |
| 20) | acrylonitrile | | | | | | | | |
| | 0.181 0.159 0.172 0.210 0.216 0.214 0.197 | 0.152 | 0.188 | 13.50 | | | | | |
| 21) | allyl chloride | | | | | | | | |
| | 0.909 0.818 1.070 1.125 1.130 1.040 | 0.759 | 0.979 | 15.33 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9977 | | | | | | | |
| | Response Ratio = 0.02475 + 1.05623 *A | | | | | | | | |
| 22) | trans-1,2-dichloroethene | | | | | | | | |
| | 0.665 0.700 0.685 0.734 0.742 0.733 0.677 | 0.578 | 0.689 | 7.72 | | | | | |
| 23) | iodomethane | | | | | | | | |
| | 1.011 1.047 1.039 1.151 1.197 1.209 1.147 | 0.888 | 1.086 | 10.09 | | | | | |
| 24) | carbon disulfide | | | | | | | | |
| | 1.776 1.816 1.750 2.368 2.496 2.534 2.398 | 1.476 | 2.077 | 19.93 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9989 | | | | | | | |
| | Response Ratio = -0.05011 + 2.43568 *A | | | | | | | | |
| 25) | propionitrile | | | | | | | | |
| | 0.092 0.080 0.095 0.103 0.103 0.097 | 0.080 | 0.093 | 10.54 | | | | | |
| 26) | vinyl acetate | | | | | | | | |
| | 1.150 0.908 1.293 1.492 1.573 1.471 | 0.964 | 1.264 | 20.95 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9983 | | | | | | | |
| | Response Ratio = -0.06833 + 1.50045 *A | | | | | | | | |
| 27) | chloroprene | | | | | | | | |
| | 0.906 0.795 0.860 1.049 1.081 1.070 0.985 | 0.758 | 0.938 | 13.50 | | | | | |
| 28) | di-isopropyl ether | | | | | | | | |
| | 2.093 1.770 1.927 2.283 2.389 2.360 2.152 | 1.746 | 2.090 | 12.13 | | | | | |
| 29) | methacrylonitrile | | | | | | | | |
| | 0.413 0.362 0.441 0.474 0.491 0.448 | 0.335 | 0.423 | 13.58 | | | | | |
| 30) | 2-butanone | | | | | | | | |
| | 0.065 0.051 0.073 0.079 0.085 0.080 | 0.053 | 0.070 | 19.29 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9988 | | | | | | | |
| | Response Ratio = -0.00370 + 0.08156 *A | | | | | | | | |
| 31) | Hexane | | | | | | | | |
| | 0.629 0.657 0.641 0.726 0.694 0.698 0.625 | 0.570 | 0.655 | 7.61 | | | | | |
| 32) | 1,1-dichloroethane | | | | | | | | |
| | 1.198 1.274 1.240 1.337 1.376 1.374 1.290 | 1.042 | 1.266 | 8.70 | | | | | |
| 33) | tert-butyl ethyl ether | | | | | | | | |
| | 1.409 1.181 1.220 1.660 1.834 1.926 1.874 | 1.127 | 1.529 | 21.83 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9995 | | | | | | | |
| | Response Ratio = -0.11335 + 1.89882 *A | | | | | | | | |
| 34) | isobutyl alcohol | | | | | | | | |
| | 0.113 0.108 0.111 0.131 0.126 0.127 0.115 | 0.097 | 0.116 | 9.79 | | | | | |
| 35) | 2,2-dichloropropane | | | | | | | | |
| | 0.674 0.632 0.833 0.910 0.954 0.924 | 0.559 | 0.784 | 20.34 | | | | | |
| | ----- Linear regression ----- | Coefficient = 0.9995 | | | | | | | |
| | Response Ratio = -0.06099 + 0.93822 *A | | | | | | | | |
| 36) | cis-1,2-dichloroethene | | | | | | | | |
| | 0.726 0.702 0.711 0.804 0.829 0.829 0.776 | 0.633 | 0.751 | 9.30 | | | | | |

5.8.4
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | | |
|-------|-------------------------------|-----------------------|-------|-------|-------|-------|-------|---------------|--------|-------|-------|------|
| 37) | ethyl acetate | 0.382 | 0.340 | 0.450 | 0.496 | 0.524 | 0.500 | 0.313 | 0.429 | 19.69 | | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9991 | | | |
| | Response Ratio = | -0.02833 + 0.50885 *A | | | | | | | | | | |
| | | | | | | | | | | | | |
| 38) | bromochloromethane | 0.329 | 0.349 | 0.333 | 0.364 | 0.374 | 0.381 | 0.360 | 0.291 | 0.348 | 8.48 | |
| 39) | chloroform | 1.202 | 1.323 | 1.283 | 1.334 | 1.383 | 1.375 | 1.283 | 1.071 | 1.282 | 8.02 | |
| 40) | dibromofluoromethane (s) | 0.610 | 0.625 | 0.611 | 0.617 | 0.629 | 0.627 | 0.600 | 0.627 | 0.608 | 0.617 | 1.70 |
| 41) | Tetrahydrofuran | 0.171 | 0.151 | 0.177 | 0.195 | 0.201 | 0.184 | 0.134 | 0.173 | 13.77 | | |
| 42) | 1,1,1-trichloroethane | 0.885 | 0.870 | 0.867 | 1.042 | 1.107 | 1.119 | 1.066 | 0.743 | 0.962 | 14.37 | |
| | | | | | | | | | | | | |
| 43) I | 1,4-difluorobenzene | -----ISTD----- | | | | | | | | | | |
| 44) | Cyclohexane | 0.705 | 0.879 | 0.768 | 0.782 | 0.799 | 0.780 | 0.740 | 0.619 | 0.759 | 9.97 | |
| 45) | carbon tetrachloride | 0.469 | 0.460 | 0.461 | 0.572 | 0.615 | 0.611 | 0.591 | 0.383 | 0.520 | 16.78 | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9995 | | | |
| | Response Ratio = | -0.01370 + 0.59804 *A | | | | | | | | | | |
| | | | | | | | | | | | | |
| 46) | 1,1-dichloropropene | 0.541 | 0.545 | 0.542 | 0.603 | 0.621 | 0.613 | 0.578 | 0.466 | 0.564 | 9.07 | |
| 47) | benzene | 1.588 | 1.605 | 1.634 | 1.728 | 1.784 | 1.758 | 1.658 | 1.537 | 1.372 | 1.629 | 7.77 |
| 48) | 1,2-dichloroethane | 0.529 | 0.555 | 0.541 | 0.567 | 0.577 | 0.574 | 0.535 | 0.474 | 0.544 | 6.19 | |
| 49) | tert-amyl methyl ether | 0.694 | 0.523 | 0.581 | 0.824 | 0.933 | 0.994 | 0.995 | 0.544 | 0.761 | 26.44 | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9996 | | | |
| | Response Ratio = | -0.09373 + 1.00667 *A | | | | | | | | | | |
| | | | | | | | | | | | | |
| 50) | heptane | 0.534 | 0.485 | 0.650 | 0.621 | 0.624 | 0.561 | 0.452 | 0.561 | 13.38 | | |
| 51) | trichloroethene | 0.388 | 0.404 | 0.408 | 0.442 | 0.461 | 0.457 | 0.438 | 0.337 | 0.417 | 9.92 | |
| 52) | 1,2-dichloropropane | 0.428 | 0.400 | 0.427 | 0.470 | 0.492 | 0.490 | 0.466 | 0.371 | 0.443 | 9.89 | |
| 53) | dibromomethane | 0.251 | 0.244 | 0.248 | 0.281 | 0.294 | 0.299 | 0.284 | 0.219 | 0.265 | 10.71 | |
| 54) | bromodichloromethane | 0.420 | 0.385 | 0.531 | 0.583 | 0.600 | 0.582 | 0.326 | 0.490 | 22.65 | | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9995 | | | |
| | Response Ratio = | -0.03601 + 0.59080 *A | | | | | | | | | | |
| | | | | | | | | | | | | |
| 55) | Methylcyclohexane | 0.636 | 0.590 | 0.752 | 0.771 | 0.766 | 0.733 | 0.521 | 0.681 | 14.55 | | |
| 56) | 2-chloroethyl vinyl ether | 0.177 | 0.125 | 0.222 | 0.250 | 0.258 | 0.255 | 0.127 | 0.202 | 29.21 | | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9997 | | | |
| | Response Ratio = | -0.02350 + 0.25931 *A | | | | | | | | | | |
| | | | | | | | | | | | | |
| 57) | methyl methacrylate | 0.213 | 0.164 | 0.242 | 0.273 | 0.285 | 0.275 | 0.162 | 0.230 | 22.68 | | |
| | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9993 | | | |
| | Response Ratio = | -0.01769 + 0.27917 *A | | | | | | | | | | |

5.8.4
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | | |
|-----|---------------------------|--|-------|-------|-------|-------|-------|----------------------|-------|-------|-------|------|
| 58) | 1,4-dioxane | 0.003 | 0.002 | 0.004 | 0.004 | 0.005 | 0.004 | 0.002 | 0.004 | 28.61 | | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9980 | | | | |
| | | Response Ratio = -0.00072 + 0.00445 *A | | | | | | | | | | |
| 59) | cis-1,3-dichloropropene | 0.490 | 0.313 | 0.374 | 0.624 | 0.694 | 0.722 | 0.703 | 0.356 | 0.535 | 32.04 | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9995 | | | | |
| | | Response Ratio = -0.04884 + 0.71345 *A | | | | | | | | | | |
| 60) | toluene-d8 (s) | 1.285 | 1.252 | 1.279 | 1.290 | 1.308 | 1.295 | 1.268 | 1.260 | 1.276 | 1.279 | 1.39 |
| 61) | 4-methyl-2-pentanone | 0.295 | 0.211 | 0.333 | 0.376 | 0.390 | 0.366 | 0.211 | 0.312 | 24.22 | | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9985 | | | | |
| | | Response Ratio = -0.01475 + 0.37306 *A | | | | | | | | | | |
| 62) | toluene | 0.946 | 0.990 | 0.991 | 1.047 | 1.088 | 1.081 | 1.022 | 0.839 | 1.000 | 8.10 | |
| 63) | trans-1,3-dichloropropene | 0.364 | 0.248 | 0.275 | 0.486 | 0.557 | 0.593 | 0.579 | 0.264 | 0.421 | 35.53 | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9994 | | | | |
| | | Response Ratio = -0.05348 + 0.58864 *A | | | | | | | | | | |
| 64) | 1,1,2-trichloroethane | 0.301 | 0.297 | 0.306 | 0.328 | 0.345 | 0.346 | 0.327 | 0.264 | 0.314 | 8.82 | |
| 65) | ethyl methacrylate | 0.403 | 0.270 | 0.489 | 0.553 | 0.572 | 0.545 | 0.280 | 0.445 | 28.94 | | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9990 | | | | |
| | | Response Ratio = -0.03391 + 0.55593 *A | | | | | | | | | | |
| 66) | I chlorobenzene-d5 | -----ISTD----- | | | | | | | | | | |
| 67) | tetrachloroethene | 0.713 | 0.763 | 0.744 | 0.777 | 0.788 | 0.786 | 0.750 | 0.632 | 0.744 | 6.94 | |
| 68) | 1,3-dichloropropane | 1.086 | 1.038 | 1.049 | 1.169 | 1.213 | 1.219 | 1.143 | 0.933 | 1.106 | 8.89 | |
| 69) | dibromochloromethane | 0.499 | 0.407 | 0.645 | 0.733 | 0.782 | 0.767 | 0.375 | 0.601 | 28.74 | | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9995 | | | | |
| | | Response Ratio = -0.08199 + 0.78123 *A | | | | | | | | | | |
| 70) | 1,2-dibromoethane | 0.605 | 0.531 | 0.539 | 0.659 | 0.697 | 0.716 | 0.680 | 0.493 | 0.615 | 13.86 | |
| 71) | 2-hexanone | 0.414 | 0.300 | 0.450 | 0.490 | 0.507 | 0.469 | 0.307 | 0.420 | 20.20 | | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9980 | | | | |
| | | Response Ratio = -0.00351 + 0.47708 *A | | | | | | | | | | |
| 72) | chlorobenzene | 1.948 | 2.113 | 2.020 | 2.094 | 2.161 | 2.089 | 1.869 | 1.724 | 2.002 | 7.36 | |
| 73) | 1,1,1,2-tetrachloroethane | 0.591 | 0.461 | 0.532 | 0.694 | 0.759 | 0.754 | 0.682 | 0.473 | 0.618 | 19.55 | |
| | | ----- Linear regression ----- | | | | | | Coefficient = 0.9968 | | | | |
| | | Response Ratio = 0.01680 + 0.69580 *A | | | | | | | | | | |
| 74) | ethylbenzene | 3.312 | 3.006 | 3.198 | 3.656 | 3.772 | 3.645 | 3.209 | 2.822 | 3.328 | 10.14 | |
| 75) | m,p-xylene | 1.195 | 1.027 | 1.155 | 1.324 | 1.378 | 1.334 | 1.191 | 1.022 | 1.203 | 11.27 | |

5.8.4
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | | |
|-----|-----------------------------|--|-------|-------|-------|-------|-------|-------|---------------|--------|-------|------|
| 76) | o-xylene | 1.133 | 0.851 | 1.002 | 1.282 | 1.369 | 1.348 | 1.247 | 0.901 | 1.142 | 17.72 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9980 | | |
| | | Response Ratio = 0.02744 + 1.26648 *A | | | | | | | | | | |
| 77) | styrene | 1.935 | | 1.647 | 2.189 | 2.326 | 2.312 | 2.125 | 1.537 | 2.010 | 15.69 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9976 | | |
| | | Response Ratio = 0.06627 + 2.15760 *A | | | | | | | | | | |
| 78) | bromoform | 0.278 | | 0.224 | 0.387 | 0.466 | 0.531 | 0.541 | 0.205 | 0.376 | 37.82 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9990 | | |
| | | Response Ratio = -0.10351 + 0.55239 *A | | | | | | | | | | |
| 79) | trans-1,4-dichloro-2-butene | 0.188 | | 0.151 | 0.214 | 0.238 | 0.244 | 0.232 | 0.154 | 0.203 | 19.28 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9990 | | |
| | | Response Ratio = -0.00832 + 0.23569 *A | | | | | | | | | | |
| 80) | I 1,4-dichlorobenzene-d | -----ISTD----- | | | | | | | | | | |
| 81) | isopropylbenzene | 2.804 | | 2.397 | 3.201 | 3.475 | 3.390 | 3.151 | 2.175 | 2.942 | 16.99 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9979 | | |
| | | Response Ratio = 0.07532 + 3.19676 *A | | | | | | | | | | |
| 82) | bromofluorobenzene (s) | 0.999 | 0.952 | 0.995 | 0.978 | 0.999 | 0.981 | 0.954 | 0.948 | 0.968 | 0.975 | 2.11 |
| 83) | bromobenzene | 0.858 | 0.869 | 0.864 | 0.931 | 1.000 | 0.983 | 0.913 | 0.734 | 0.894 | 9.37 | |
| 84) | 1,1,2,2-tetrachloroethane | 0.992 | 0.909 | 0.942 | 1.038 | 1.121 | 1.112 | 1.001 | 0.831 | 0.993 | 9.95 | |
| 85) | 1,2,3-trichloropropane | 0.905 | | 0.801 | 1.042 | 1.170 | 1.208 | 1.116 | 0.727 | 0.996 | 18.80 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9979 | | |
| | | Response Ratio = -0.01951 + 1.13797 *A | | | | | | | | | | |
| 86) | n-propylbenzene | 4.218 | 3.647 | 4.102 | 4.635 | 4.866 | 4.653 | 4.140 | 3.543 | 4.225 | 11.26 | |
| 87) | 2-chlorotoluene | 2.505 | 2.359 | 2.511 | 2.714 | 2.892 | 2.787 | 2.588 | 2.136 | 2.561 | 9.47 | |
| 88) | 4-chlorotoluene | 2.916 | 2.638 | 2.953 | 3.138 | 3.272 | 3.159 | 2.890 | 2.498 | 2.933 | 9.00 | |
| 89) | 1,3,5-trimethylbenzene | 2.809 | | 2.577 | 3.106 | 3.379 | 3.260 | 2.970 | 2.289 | 2.913 | 13.23 | |
| 90) | tert-butylbenzene | 1.634 | | 1.437 | 1.819 | 2.003 | 1.911 | 1.781 | 1.294 | 1.697 | 15.12 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9978 | | |
| | | Response Ratio = 0.06508 + 1.80338 *A | | | | | | | | | | |
| 91) | 1,2,4-trimethylbenzene | 2.824 | | 2.631 | 3.087 | 3.339 | 3.245 | 2.986 | 2.320 | 2.919 | 12.24 | |
| 92) | sec-butylbenzene | 3.664 | | 3.405 | 4.094 | 4.457 | 4.258 | 3.844 | 3.022 | 3.821 | 13.12 | |
| 93) | 1,3-dichlorobenzene | 1.549 | 1.572 | 1.560 | 1.662 | 1.780 | 1.734 | 1.634 | 1.360 | 1.606 | 8.08 | |
| 94) | p-isopropyltoluene | 2.595 | | 2.313 | 2.914 | 3.174 | 3.058 | 2.782 | 2.106 | 2.706 | 14.46 | |
| 95) | 1,4-dichlorobenzene | | | | | | | | | | | |

5.8.4
5

Initial Calibration Summary

Job Number: MC4387 **Sample:** MSV112-ICC112
Account: GGSVAVB Global General Services **Lab FileID:** V2570.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | | |
|------|-----------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|---------------|---------|-------|--|
| 96) | 1,2-dichlorobenzene | 1.617 | 1.744 | 1.699 | 1.706 | 1.807 | 1.757 | 1.644 | 1.419 | 1.674 | 7.15 | |
| 97) | n-butylbenzene | 1.536 | 1.481 | 1.546 | 1.645 | 1.751 | 1.685 | 1.504 | 1.330 | 1.560 | 8.47 | |
| 98) | 1,2-dibromo-3-chloropropane | 2.975 | | 2.631 | 3.345 | 3.575 | 3.360 | 2.919 | 2.416 | 3.032 | 13.84 | |
| | | 0.104 | | 0.081 | 0.130 | 0.163 | 0.177 | 0.181 | 0.082 | 0.131 | 33.17 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9993 | | |
| | | Response Ratio = | | | | | | | -0.03053 + | 0.18409 | *A | |
| 99) | 1,3,5-trichlorobenzene | 1.063 | 0.959 | 0.996 | 1.178 | 1.295 | 1.259 | 1.197 | 0.887 | 1.104 | 13.52 | |
| 100) | 1,2,4-trichlorobenzene | 0.911 | 0.780 | 0.806 | 1.041 | 1.166 | 1.135 | 1.090 | 0.748 | 0.960 | 17.60 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9991 | | |
| | | Response Ratio = | | | | | | | -0.01381 + | 1.10349 | *A | |
| 101) | hexachlorobutadiene | 0.546 | 0.518 | 0.519 | 0.600 | 0.677 | 0.642 | 0.613 | 0.467 | 0.573 | 12.52 | |
| 102) | naphthalene | 2.165 | | 1.480 | 2.449 | 2.797 | 2.840 | 2.689 | 1.568 | 2.284 | 24.87 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9988 | | |
| | | Response Ratio = | | | | | | | -0.10413 + | 2.73689 | *A | |
| 103) | 1,2,3-trichlorobenzene | 0.929 | 0.777 | 0.856 | 1.011 | 1.141 | 1.107 | 1.048 | 0.764 | 0.954 | 15.24 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9987 | | |
| | | Response Ratio = | | | | | | | 0.00377 + | 1.06193 | *A | |
| 104) | 2-Methylnaphthalene | 0.796 | | 1.134 | 1.463 | 1.440 | 1.371 | | 0.513 | 1.119 | 34.75 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9979 | | |
| | | Response Ratio = | | | | | | | -0.06071 + | 1.40624 | *A | |
| 105) | 1-Methylnaphthalene | 0.833 | | 1.099 | 1.336 | 1.283 | 1.193 | | 0.504 | 1.041 | 30.49 | |
| | | ----- Linear regression ----- | | | | | | | Coefficient = | 0.9967 | | |
| | | Response Ratio = | | | | | | | -0.01046 + | 1.21835 | *A | |

 (#) = Out of Range ### Number of calibration levels exceeded format ###

v101511s.m Mon Oct 17 13:16:25 2011

5.8.4
5

Continuing Calibration Summary

Job Number: MC4387 Sample: MSV112-CC112
 Account: GGSVAVB Global General Services Lab FileID: V2578A.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2578.D Vial: 1
 Acq On : 17 Oct 2011 9:16 am Operator: AMYM
 Sample : cc112-50 Inst : GCMS V
 Misc : MS24138,MSV112,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sun Oct 16 07:56:34 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--|-------------------------|----------|----------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 111 | -0.03 | 3.52 |
| 2 | tertiary butyl alcohol | 1.200 | 1.190 | 0.8 | 108 | -0.02 | 3.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 3 T | Ethanol | 5000.000 | 3513.757 | 29.7# | 82 | -0.01 | 2.49 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 112 | -0.01 | 6.55 |
| 5 M | dichlorodifluoromethane | 0.905 | 0.836 | 7.6 | 95 | 0.00 | 1.52 |
| 6 P | chloromethane | 0.785 | 0.703 | 10.4 | 97 | -0.02 | 1.62 |
| 7 c | vinyl chloride | 0.866 | 0.786 | 9.2 | 97 | -0.02 | 1.73 |
| 8 M | bromomethane | 0.470 | 0.495 | -5.3 | 107 | -0.02 | 2.01 |
| 9 M | chloroethane | 0.391 | 0.402 | -2.8 | 107 | 0.00 | 2.11 |
| 10 M | ethyl ether | 0.429 | 0.438 | -2.1 | 113 | 0.00 | 2.61 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 47.344 | 5.3 | 108 | -0.01 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.069 | 1.028 | 3.8 | 103 | -0.01 | 2.35 |
| 13 M | freon-113 | 0.727 | 0.734 | -1.0 | 108 | -0.01 | 2.90 |
| 14 M | acrolein | 0.032 | 0.045 | -40.6# | 154 | -0.01 | 2.76 |
| 15 c | 1,1-dichloroethene | 0.604 | 0.657 | -8.8 | 118 | -0.01 | 2.86 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 77.620 | -55.2# | 160 | -0.01 | 2.91 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.689 | 0.699 | -1.5 | 113 | -0.01 | 3.28 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 18 M | methylene chloride | 50.000 | 47.586 | 4.8 | 106 | -0.01 | 3.46 |
| 19 M | methyl tert butyl ether | 50.000 | 46.516 | 7.0 | 111 | -0.01 | 3.83 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 20 M | acrylonitrile | 0.188 | 0.206 | -9.6 | 110 | -0.02 | 4.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 21 M | allyl chloride | 50.000 | 47.427 | 5.1 | 108 | -0.01 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV112-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2578A.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|--------------------------|--------|---------|-------|-----|-------|------|
| 22 M | trans-1,2-dichloroethene | 0.689 | 0.738 | -7.1 | 113 | -0.01 | 3.83 |
| 23 M | iodomethane | 1.086 | 1.163 | -7.1 | 114 | -0.01 | 3.03 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 24 M | carbon disulfide | 50.000 | 49.414 | 1.2 | 112 | 0.00 | 3.11 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 25 M | propionitrile | 0.093 | 0.086 | 7.5 | 102 | -0.02 | 5.65 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 26 M | vinyl acetate | 50.000 | 38.200 | 23.6# | 94 | -0.02 | 4.53 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 27 M | chloroprene | 0.938 | 1.029 | -9.7 | 110 | -0.02 | 4.62 |
| 28 M | di-isopropyl ether | 2.090 | 2.168 | -3.7 | 107 | -0.02 | 4.60 |
| 29 M | methacrylonitrile | 0.423 | 0.395 | 6.6 | 101 | -0.02 | 5.92 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 30 M | 2-butanone | 50.000 | 44.818 | 10.4 | 106 | -0.01 | 5.96 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 31 M | Hexane | 0.655 | 0.680 | -3.8 | 105 | -0.01 | 4.24 |
| 32 P | 1,1-dichloroethane | 1.266 | 1.302 | -2.8 | 109 | -0.01 | 4.50 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 47.277 | 5.4 | 114 | -0.02 | 5.27 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 34 M | isobutyl alcohol | 0.116 | 0.124 | -6.9 | 106 | -0.01 | 4.24 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 50.527 | -1.1 | 120 | -0.02 | 5.54 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 36 M | cis-1,2-dichloroethene | 0.751 | 0.798 | -6.3 | 111 | -0.02 | 5.53 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 37 | ethyl acetate | 50.000 | 46.300 | 7.4 | 111 | -0.01 | 7.29 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 38 M | bromochloromethane | 0.348 | 0.355 | -2.0 | 109 | -0.01 | 5.95 |
| 39 c | chloroform | 1.282 | 1.286 | -0.3 | 108 | -0.01 | 6.16 |
| 40 S | dibromofluoromethane (s) | 0.617 | 0.621 | -0.6 | 113 | -0.02 | 6.43 |
| 41 M | Tetrahydrofuran | 0.173 | 0.165 | 4.6 | 105 | -0.01 | 5.96 |
| 42 M | 1,1,1-trichloroethane | 0.962 | 1.044 | -8.5 | 113 | -0.02 | 6.41 |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | -0.01 | 7.74 |
| 44 M | Cyclohexane | 0.759 | 0.757 | 0.3 | 109 | -0.02 | 6.51 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 45 M | carbon tetrachloride | 50.000 | 48.886 | 2.2 | 112 | -0.01 | 6.66 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 46 M | 1,1-dichloropropene | 0.564 | 0.612 | -8.5 | 114 | -0.02 | 6.68 |
| 47 M | benzene | 1.629 | 1.724 | -5.8 | 112 | -0.02 | 7.00 |
| 48 M | 1,2-dichloroethane | 0.544 | 0.529 | 2.8 | 105 | -0.01 | 7.12 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 46.755 | 6.5 | 115 | -0.02 | 7.29 |

5.8.5
5

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV112-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2578A.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|---------|---------|---------|-----|-------|-------|
| 50 M | heptane | 0.561 | 0.622 | -10.9 | 107 | -0.01 | 7.56 |
| 51 M | trichloroethene | 0.417 | 0.450 | -7.9 | 114 | -0.01 | 8.03 |
| 52 c | 1,2-dichloropropane | 0.443 | 0.456 | -2.9 | 109 | -0.01 | 8.38 |
| 53 M | dibromomethane | 0.265 | 0.268 | -1.1 | 107 | -0.01 | 8.49 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 47.287 | 5.4 | 110 | 0.00 | 8.74 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.681 | 0.746 | -9.5 | 111 | -0.01 | 8.34 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 43.247 | 13.5 | 102 | 0.00 | 9.12 |
| 57 M | methyl methacrylate | 50.000 | 45.469 | 9.1 | 109 | 0.00 | 8.52 |
| 58 M | 1,4-dioxane | 250.000 | 219.630 | 12.1 | 101 | -0.01 | 8.51 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 47.683 | 4.6 | 113 | 0.00 | 9.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 60 S | toluene-d8 (s) | 1.279 | 1.294 | -1.2 | 112 | 0.00 | 9.56 |
| | | True | Calc. | % Drift | | | |
| 61 M | 4-methyl-2-pentanone | 50.000 | 44.957 | 10.1 | 108 | 0.00 | 9.46 |
| | | AvgRF | CCRF | % Dev | | | |
| 62 c | toluene | 1.000 | 1.055 | -5.5 | 113 | 0.00 | 9.63 |
| | | True | Calc. | % Drift | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 48.294 | 3.4 | 119 | 0.00 | 9.92 |
| | | AvgRF | CCRF | % Dev | | | |
| 64 M | 1,1,2-trichloroethane | 0.314 | 0.313 | 0.3 | 107 | 0.00 | 10.13 |
| | | True | Calc. | % Drift | | | |
| 65 M | ethyl methacrylate | 50.000 | 44.705 | 10.6 | 106 | 0.00 | 10.00 |
| | | AvgRF | CCRF | % Dev | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 11.09 |
| 67 M | tetrachloroethene | 0.744 | 0.811 | -9.0 | 117 | 0.00 | 10.19 |
| 68 M | 1,3-dichloropropane | 1.106 | 1.109 | -0.3 | 107 | 0.00 | 10.29 |
| | | True | Calc. | % Drift | | | |
| 69 M | dibromochloromethane | 50.000 | 47.380 | 5.2 | 115 | 0.00 | 10.51 |
| | | AvgRF | CCRF | % Dev | | | |
| 70 M | 1,2-dibromoethane | 0.615 | 0.642 | -4.4 | 110 | 0.00 | 10.62 |
| | | True | Calc. | % Drift | | | |
| 71 M | 2-hexanone | 50.000 | 57.345 | -14.7 | 136 | 0.00 | 10.37 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.002 | 2.113 | -5.5 | 114 | 0.00 | 11.12 |
| | | True | Calc. | % Drift | | | |
| 73 M | 1,1,1,2-tetrachloroethane | 50.000 | 49.006 | 2.0 | 113 | 0.00 | 11.22 |
| | | AvgRF | CCRF | % Dev | | | |
| 74 c | ethylbenzene | 3.328 | 3.687 | -10.8 | 114 | 0.00 | 11.23 |
| 75 M | m,p-xylene | 1.203 | 1.364 | -13.4 | 116 | 0.00 | 11.36 |

5.8.5
5

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV112-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2578A.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| ----- True | | Calc. | % Drift | ----- | | | |
|-------------|---------------------------|--------|---------|--------|-----|------|-------|
| 76 M | o-xylene | 50.000 | 50.733 | -1.5 | 115 | 0.00 | 11.73 |
| 77 M | styrene | 50.000 | 50.130 | -0.3 | 115 | 0.00 | 11.75 |
| 78 P | bromoform | 50.000 | 44.612 | 10.8 | 113 | 0.00 | 11.92 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 48.550 | 2.9 | 116 | 0.00 | 12.14 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 13.33 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 81 M | isopropylbenzene | 50.000 | 53.843 | -7.7 | 124 | 0.00 | 12.08 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 82 S | bromofluorobenzene (s) | 0.975 | 0.987 | -1.2 | 114 | 0.00 | 12.25 |
| 83 M | bromobenzene | 0.894 | 0.934 | -4.5 | 113 | 0.00 | 12.37 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.993 | 0.962 | 3.1 | 105 | 0.00 | 12.38 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 85 M | 1,2,3-trichloropropane | 50.000 | 44.082 | 11.8 | 107 | 0.00 | 12.43 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 86 M | n-propylbenzene | 4.225 | 4.717 | -11.6 | 115 | 0.00 | 12.48 |
| 87 M | 2-chlorotoluene | 2.561 | 2.737 | -6.9 | 114 | 0.00 | 12.55 |
| 88 M | 4-chlorotoluene | 2.933 | 3.196 | -9.0 | 115 | 0.00 | 12.67 |
| 89 M | 1,3,5-trimethylbenzene | 2.913 | 3.147 | -8.0 | 114 | 0.00 | 12.65 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 90 M | tert-butylbenzene | 50.000 | 49.566 | 0.9 | 115 | 0.00 | 12.94 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 91 M | 1,2,4-trimethylbenzene | 2.919 | 3.152 | -8.0 | 115 | 0.00 | 12.99 |
| 92 M | sec-butylbenzene | 3.821 | 4.221 | -10.5 | 116 | 0.00 | 13.14 |
| 93 M | 1,3-dichlorobenzene | 1.606 | 1.744 | -8.6 | 118 | 0.00 | 13.25 |
| 94 M | p-isopropyltoluene | 2.706 | 3.102 | -14.6 | 120 | 0.00 | 13.29 |
| 95 M | 1,4-dichlorobenzene | 1.674 | 1.758 | -5.0 | 116 | 0.00 | 13.35 |
| 96 M | 1,2-dichlorobenzene | 1.560 | 1.653 | -6.0 | 113 | 0.00 | 13.67 |
| 97 M | n-butylbenzene | 3.032 | 3.503 | -15.5 | 118 | 0.00 | 13.66 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 42.543 | 14.9 | 110 | 0.00 | 14.40 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.104 | 1.260 | -14.1 | 121 | 0.00 | 14.57 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 100 M | 1,2,4-trichlorobenzene | 50.000 | 53.183 | -6.4 | 126 | 0.00 | 15.15 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 101 M | hexachlorobutadiene | 0.573 | 0.658 | -14.8 | 124 | 0.00 | 15.30 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 102 M | naphthalene | 50.000 | 46.275 | 7.5 | 112 | 0.00 | 15.40 |
| 103 M | 1,2,3-trichlorobenzene | 50.000 | 50.217 | -0.4 | 119 | 0.00 | 15.61 |
| 104 | 2-Methylnaphthalene | 25.000 | 36.742 | -47.0# | 194 | 0.01 | 16.54 |
| 105 | 1-Methylnaphthalene | 25.000 | 12.284 | 50.9# | 59 | 0.01 | 16.73 |

(5.9 %) 6 of 101 compounds'%D > 20

5.8.5
5

Initial Calibration Verification

Job Number: MC4387 Sample: MSV112-ICV112
 Account: GGSVAVB Global General Services Lab FileID: V2578.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2578A.D Vial: 1
 Acq On : 17 Oct 2011 9:16 am Operator: AMYM
 Sample : cc112-50 Inst : GCMS V
 Misc : MS24138,MSV112,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sun Oct 16 07:56:34 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|-------------------------|----------|----------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 111 | -0.03 | 3.52 |
| 2 | tertiary butyl alcohol | 1.200 | 1.190 | 0.8 | 108 | -0.02 | 3.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 3 T | Ethanol | 5000.000 | 3513.757 | 29.7# | 82 | -0.01 | 2.49 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 112 | -0.01 | 6.55 |
| 5 M | dichlorodifluoromethane | 0.905 | 0.836 | 7.6 | 95 | 0.00 | 1.52 |
| 6 P | chloromethane | 0.785 | 0.703 | 10.4 | 97 | -0.02 | 1.62 |
| 7 c | vinyl chloride | 0.866 | 0.786 | 9.2 | 97 | -0.02 | 1.73 |
| 8 M | bromomethane | 0.470 | 0.495 | -5.3 | 107 | -0.02 | 2.01 |
| 9 M | chloroethane | 0.391 | 0.402 | -2.8 | 107 | 0.00 | 2.11 |
| 10 M | ethyl ether | 0.429 | 0.438 | -2.1 | 113 | 0.00 | 2.61 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 47.344 | 5.3 | 108 | -0.01 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.069 | 1.028 | 3.8 | 103 | -0.01 | 2.35 |
| 13 M | freon-113 | 0.727 | 0.734 | -1.0 | 108 | -0.01 | 2.90 |
| 14 M | acrolein | 0.032 | 0.045 | -40.6# | 154 | -0.01 | 2.76 |
| 15 c | 1,1-dichloroethene | 0.604 | 0.657 | -8.8 | 118 | -0.01 | 2.86 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 77.620 | -55.2# | 160 | -0.01 | 2.91 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.689 | 0.699 | -1.5 | 113 | -0.01 | 3.28 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 18 M | methylene chloride | 50.000 | 47.586 | 4.8 | 106 | -0.01 | 3.46 |
| 19 M | methyl tert butyl ether | 50.000 | 46.516 | 7.0 | 111 | -0.01 | 3.83 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 20 M | acrylonitrile | 0.188 | 0.206 | -9.6 | 110 | -0.02 | 4.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 21 M | allyl chloride | 50.000 | 47.427 | 5.1 | 108 | -0.01 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |

Initial Calibration Verification

Job Number: MC4387 **Sample:** MSV112-ICV112
Account: GGSVAVB Global General Services **Lab FileID:** V2578.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|--------------------------|--------|---------|-------|-----|-------|------|
| 22 M | trans-1,2-dichloroethene | 0.689 | 0.738 | -7.1 | 113 | -0.01 | 3.83 |
| 23 M | iodomethane | 1.086 | 1.163 | -7.1 | 114 | -0.01 | 3.03 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 24 M | carbon disulfide | 50.000 | 49.414 | 1.2 | 112 | 0.00 | 3.11 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 25 M | propionitrile | 0.093 | 0.086 | 7.5 | 102 | -0.02 | 5.65 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 26 M | vinyl acetate | 50.000 | 38.200 | 23.6# | 94 | -0.02 | 4.53 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 27 M | chloroprene | 0.938 | 1.029 | -9.7 | 110 | -0.02 | 4.62 |
| 28 M | di-isopropyl ether | 2.090 | 2.168 | -3.7 | 107 | -0.02 | 4.60 |
| 29 M | methacrylonitrile | 0.423 | 0.395 | 6.6 | 101 | -0.02 | 5.92 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 30 M | 2-butanone | 50.000 | 44.818 | 10.4 | 106 | -0.01 | 5.96 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 31 M | Hexane | 0.655 | 0.680 | -3.8 | 105 | -0.01 | 4.24 |
| 32 P | 1,1-dichloroethane | 1.266 | 1.302 | -2.8 | 109 | -0.01 | 4.50 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 47.277 | 5.4 | 114 | -0.02 | 5.27 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 34 M | isobutyl alcohol | 0.116 | 0.124 | -6.9 | 106 | -0.01 | 4.24 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 50.527 | -1.1 | 120 | -0.02 | 5.54 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 36 M | cis-1,2-dichloroethene | 0.751 | 0.798 | -6.3 | 111 | -0.02 | 5.53 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 37 | ethyl acetate | 50.000 | 46.300 | 7.4 | 111 | -0.01 | 7.29 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 38 M | bromochloromethane | 0.348 | 0.355 | -2.0 | 109 | -0.01 | 5.95 |
| 39 c | chloroform | 1.282 | 1.286 | -0.3 | 108 | -0.01 | 6.16 |
| 40 S | dibromofluoromethane (s) | 0.617 | 0.621 | -0.6 | 113 | -0.02 | 6.43 |
| 41 M | Tetrahydrofuran | 0.173 | 0.165 | 4.6 | 105 | -0.01 | 5.96 |
| 42 M | 1,1,1-trichloroethane | 0.962 | 1.044 | -8.5 | 113 | -0.02 | 6.41 |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | -0.01 | 7.74 |
| 44 M | Cyclohexane | 0.759 | 0.757 | 0.3 | 109 | -0.02 | 6.51 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 45 M | carbon tetrachloride | 50.000 | 48.886 | 2.2 | 112 | -0.01 | 6.66 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 46 M | 1,1-dichloropropene | 0.564 | 0.612 | -8.5 | 114 | -0.02 | 6.68 |
| 47 M | benzene | 1.629 | 1.724 | -5.8 | 112 | -0.02 | 7.00 |
| 48 M | 1,2-dichloroethane | 0.544 | 0.529 | 2.8 | 105 | -0.01 | 7.12 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 46.755 | 6.5 | 115 | -0.02 | 7.29 |

58.6
5

Initial Calibration Verification

Job Number: MC4387 **Sample:** MSV112-ICV112
Account: GGSVAVB Global General Services **Lab FileID:** V2578.D
Project: NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|---------|---------|---------|-----|-------|-------|
| 50 M | heptane | 0.561 | 0.622 | -10.9 | 107 | -0.01 | 7.56 |
| 51 M | trichloroethene | 0.417 | 0.450 | -7.9 | 114 | -0.01 | 8.03 |
| 52 c | 1,2-dichloropropane | 0.443 | 0.456 | -2.9 | 109 | -0.01 | 8.38 |
| 53 M | dibromomethane | 0.265 | 0.268 | -1.1 | 107 | -0.01 | 8.49 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 47.287 | 5.4 | 110 | 0.00 | 8.74 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.681 | 0.746 | -9.5 | 111 | -0.01 | 8.34 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 43.247 | 13.5 | 102 | 0.00 | 9.12 |
| 57 M | methyl methacrylate | 50.000 | 45.469 | 9.1 | 109 | 0.00 | 8.52 |
| 58 M | 1,4-dioxane | 250.000 | 219.630 | 12.1 | 101 | -0.01 | 8.51 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 47.683 | 4.6 | 113 | 0.00 | 9.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 60 S | toluene-d8 (s) | 1.279 | 1.294 | -1.2 | 112 | 0.00 | 9.56 |
| | | True | Calc. | % Drift | | | |
| 61 M | 4-methyl-2-pentanone | 50.000 | 44.957 | 10.1 | 108 | 0.00 | 9.46 |
| | | AvgRF | CCRF | % Dev | | | |
| 62 c | toluene | 1.000 | 1.055 | -5.5 | 113 | 0.00 | 9.63 |
| | | True | Calc. | % Drift | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 48.294 | 3.4 | 119 | 0.00 | 9.92 |
| | | AvgRF | CCRF | % Dev | | | |
| 64 M | 1,1,2-trichloroethane | 0.314 | 0.313 | 0.3 | 107 | 0.00 | 10.13 |
| | | True | Calc. | % Drift | | | |
| 65 M | ethyl methacrylate | 50.000 | 44.705 | 10.6 | 106 | 0.00 | 10.00 |
| | | AvgRF | CCRF | % Dev | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 11.09 |
| 67 M | tetrachloroethene | 0.744 | 0.811 | -9.0 | 117 | 0.00 | 10.19 |
| 68 M | 1,3-dichloropropane | 1.106 | 1.109 | -0.3 | 107 | 0.00 | 10.29 |
| | | True | Calc. | % Drift | | | |
| 69 M | dibromochloromethane | 50.000 | 47.380 | 5.2 | 115 | 0.00 | 10.51 |
| | | AvgRF | CCRF | % Dev | | | |
| 70 M | 1,2-dibromoethane | 0.615 | 0.642 | -4.4 | 110 | 0.00 | 10.62 |
| | | True | Calc. | % Drift | | | |
| 71 M | 2-hexanone | 50.000 | 57.345 | -14.7 | 136 | 0.00 | 10.37 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.002 | 2.113 | -5.5 | 114 | 0.00 | 11.12 |
| | | True | Calc. | % Drift | | | |
| 73 M | 1,1,1,2-tetrachloroethane | 50.000 | 49.006 | 2.0 | 113 | 0.00 | 11.22 |
| | | AvgRF | CCRF | % Dev | | | |
| 74 c | ethylbenzene | 3.328 | 3.687 | -10.8 | 114 | 0.00 | 11.23 |
| 75 M | m,p-xylene | 1.203 | 1.364 | -13.4 | 116 | 0.00 | 11.36 |

5.8.6
5

Initial Calibration Verification

Job Number: MC4387

Sample: MSV112-ICV112

Account: GGSVAVB Global General Services

Lab FileID: V2578.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 76 M | o-xylene | 50.000 | 50.733 | -1.5 | 115 | 0.00 | 11.73 |
| 77 M | styrene | 50.000 | 50.130 | -0.3 | 115 | 0.00 | 11.75 |
| 78 P | bromoform | 50.000 | 44.612 | 10.8 | 113 | 0.00 | 11.92 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 48.550 | 2.9 | 116 | 0.00 | 12.14 |
| | | AvgRF | CCRF | % Dev | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 13.33 |
| | | True | Calc. | % Drift | | | |
| 81 M | isopropylbenzene | 50.000 | 53.843 | -7.7 | 124 | 0.00 | 12.08 |
| | | AvgRF | CCRF | % Dev | | | |
| 82 S | bromofluorobenzene (s) | 0.975 | 0.987 | -1.2 | 114 | 0.00 | 12.25 |
| 83 M | bromobenzene | 0.894 | 0.934 | -4.5 | 113 | 0.00 | 12.37 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.993 | 0.962 | 3.1 | 105 | 0.00 | 12.38 |
| | | True | Calc. | % Drift | | | |
| 85 M | 1,2,3-trichloropropane | 50.000 | 44.082 | 11.8 | 107 | 0.00 | 12.43 |
| | | AvgRF | CCRF | % Dev | | | |
| 86 M | n-propylbenzene | 4.225 | 4.717 | -11.6 | 115 | 0.00 | 12.48 |
| 87 M | 2-chlorotoluene | 2.561 | 2.737 | -6.9 | 114 | 0.00 | 12.55 |
| 88 M | 4-chlorotoluene | 2.933 | 3.196 | -9.0 | 115 | 0.00 | 12.67 |
| 89 M | 1,3,5-trimethylbenzene | 2.913 | 3.147 | -8.0 | 114 | 0.00 | 12.65 |
| | | True | Calc. | % Drift | | | |
| 90 M | tert-butylbenzene | 50.000 | 49.566 | 0.9 | 115 | 0.00 | 12.94 |
| | | AvgRF | CCRF | % Dev | | | |
| 91 M | 1,2,4-trimethylbenzene | 2.919 | 3.152 | -8.0 | 115 | 0.00 | 12.99 |
| 92 M | sec-butylbenzene | 3.821 | 4.221 | -10.5 | 116 | 0.00 | 13.14 |
| 93 M | 1,3-dichlorobenzene | 1.606 | 1.744 | -8.6 | 118 | 0.00 | 13.25 |
| 94 M | p-isopropyltoluene | 2.706 | 3.102 | -14.6 | 120 | 0.00 | 13.29 |
| 95 M | 1,4-dichlorobenzene | 1.674 | 1.758 | -5.0 | 116 | 0.00 | 13.35 |
| 96 M | 1,2-dichlorobenzene | 1.560 | 1.653 | -6.0 | 113 | 0.00 | 13.67 |
| 97 M | n-butylbenzene | 3.032 | 3.503 | -15.5 | 118 | 0.00 | 13.66 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 42.543 | 14.9 | 110 | 0.00 | 14.40 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.104 | 1.260 | -14.1 | 121 | 0.00 | 14.57 |
| | | True | Calc. | % Drift | | | |
| 100 M | 1,2,4-trichlorobenzene | 50.000 | 53.183 | -6.4 | 126 | 0.00 | 15.15 |
| | | AvgRF | CCRF | % Dev | | | |
| 101 M | hexachlorobutadiene | 0.573 | 0.658 | -14.8 | 124 | 0.00 | 15.30 |
| | | True | Calc. | % Drift | | | |
| 102 M | naphthalene | 50.000 | 46.275 | 7.5 | 112 | 0.00 | 15.40 |
| 103 M | 1,2,3-trichlorobenzene | 50.000 | 50.217 | -0.4 | 119 | 0.00 | 15.61 |
| 104 | 2-Methylnaphthalene | 25.000 | 36.742 | -47.0# | 194 | 0.01 | 16.54 |
| 105 | 1-Methylnaphthalene | 25.000 | 12.284 | 50.9# | 59 | 0.01 | 16.73 |

(5.9 %) 6 of 101 compounds'%D > 20

5.8.6
 5

Continuing Calibration Summary

Job Number: MC4387 Sample: MSV114-CC112
 Account: GGSVAVB Global General Services Lab FileID: V2600.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2600.D Vial: 23
 Acq On : 17 Oct 2011 8:52 pm Operator: AMYM
 Sample : cc112-50 Inst : GCMS V
 Misc : MS24155,MSV114,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sun Oct 16 07:56:34 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|-------------------------|----------|----------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 124 | -0.02 | 3.53 |
| 2 | tertiary butyl alcohol | 1.200 | 1.247 | -3.9 | 127 | -0.02 | 3.63 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 3 T | Ethanol | 5000.000 | 3743.881 | 25.1# | 98 | -0.01 | 2.50 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 100 | -0.01 | 6.55 |
| 5 M | dichlorodifluoromethane | 0.905 | 1.032 | -14.0 | 105 | 0.00 | 1.52 |
| 6 P | chloromethane | 0.785 | 0.867 | -10.4 | 107 | -0.02 | 1.62 |
| 7 c | vinyl chloride | 0.866 | 0.990 | -14.3 | 109 | -0.02 | 1.73 |
| 8 M | bromomethane | 0.470 | 0.554 | -17.9 | 107 | -0.01 | 2.01 |
| 9 M | chloroethane | 0.391 | 0.453 | -15.9 | 107 | 0.00 | 2.11 |
| 10 M | ethyl ether | 0.429 | 0.475 | -10.7 | 110 | 0.00 | 2.61 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 55.147 | -10.3 | 111 | 0.00 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.069 | 1.226 | -14.7 | 110 | -0.01 | 2.35 |
| 13 M | freon-113 | 0.727 | 0.836 | -15.0 | 110 | -0.01 | 2.90 |
| 14 M | acrolein | 0.032 | 0.039 | -21.9# | 120 | 0.00 | 2.76 |
| 15 c | 1,1-dichloroethene | 0.604 | 0.698 | -15.6 | 111 | 0.00 | 2.86 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 98.607 | -97.2# | 177 | 0.00 | 2.91 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.689 | 0.810 | -17.6 | 117 | 0.00 | 3.28 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 18 M | methylene chloride | 50.000 | 51.700 | -3.4 | 102 | -0.01 | 3.46 |
| 19 M | methyl tert butyl ether | 50.000 | 53.171 | -6.3 | 114 | -0.01 | 3.84 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 20 M | acrylonitrile | 0.188 | 0.232 | -23.4# | 111 | -0.02 | 4.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 21 M | allyl chloride | 50.000 | 55.165 | -10.3 | 111 | 0.00 | 3.29 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV114-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|--------------------------|--------|---------|--------|-----|-------|------|
| 22 M | trans-1,2-dichloroethene | 0.689 | 0.800 | -16.1 | 109 | -0.01 | 3.83 |
| 23 M | iodomethane | 1.086 | 1.258 | -15.8 | 110 | -0.01 | 3.03 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 24 M | carbon disulfide | 50.000 | 55.879 | -11.8 | 113 | 0.00 | 3.11 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 25 M | propionitrile | 0.093 | 0.112 | -20.4# | 119 | -0.02 | 5.65 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 26 M | vinyl acetate | 50.000 | 57.054 | -14.1 | 127 | -0.01 | 4.54 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 27 M | chloroprene | 0.938 | 1.159 | -23.6# | 111 | -0.02 | 4.62 |
| 28 M | di-isopropyl ether | 2.090 | 2.491 | -19.2 | 109 | -0.02 | 4.60 |
| 29 M | methacrylonitrile | 0.423 | 0.520 | -22.9# | 118 | -0.01 | 5.92 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 30 M | 2-butanone | 50.000 | 56.495 | -13.0 | 121 | -0.01 | 5.96 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 31 M | Hexane | 0.655 | 0.813 | -24.1# | 112 | -0.01 | 4.24 |
| 32 P | 1,1-dichloroethane | 1.266 | 1.460 | -15.3 | 109 | -0.01 | 4.50 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 52.492 | -5.0 | 113 | -0.02 | 5.27 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 34 M | isobutyl alcohol | 0.116 | 0.145 | -25.0# | 111 | -0.01 | 4.24 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 54.894 | -9.8 | 117 | -0.02 | 5.54 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 36 M | cis-1,2-dichloroethene | 0.751 | 0.881 | -17.3 | 110 | -0.02 | 5.53 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 37 | ethyl acetate | 50.000 | 52.765 | -5.5 | 113 | -0.01 | 7.29 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 38 M | bromochloromethane | 0.348 | 0.397 | -14.1 | 109 | -0.02 | 5.95 |
| 39 c | chloroform | 1.282 | 1.455 | -13.5 | 109 | -0.02 | 6.16 |
| 40 S | dibromofluoromethane (s) | 0.617 | 0.638 | -3.4 | 103 | -0.02 | 6.43 |
| 41 M | Tetrahydrofuran | 0.173 | 0.219 | -26.6# | 124 | -0.01 | 5.95 |
| 42 M | 1,1,1-trichloroethane | 0.962 | 1.160 | -20.6# | 112 | -0.02 | 6.41 |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 101 | -0.01 | 7.74 |
| 44 M | Cyclohexane | 0.759 | 0.866 | -14.1 | 112 | -0.02 | 6.51 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 45 M | carbon tetrachloride | 50.000 | 54.055 | -8.1 | 112 | -0.02 | 6.66 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 46 M | 1,1-dichloropropene | 0.564 | 0.670 | -18.8 | 112 | -0.02 | 6.68 |
| 47 M | benzene | 1.629 | 1.886 | -15.8 | 110 | -0.02 | 7.00 |
| 48 M | 1,2-dichloroethane | 0.544 | 0.612 | -12.5 | 109 | -0.02 | 7.12 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 51.239 | -2.5 | 115 | -0.02 | 7.29 |

5.8.7
5

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV114-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|---------|---------|---------|-----|-------|-------|
| 50 M | heptane | 0.561 | 0.715 | -27.5# | 111 | -0.01 | 7.56 |
| 51 M | trichloroethene | 0.417 | 0.495 | -18.7 | 113 | -0.01 | 8.03 |
| 52 c | 1,2-dichloropropane | 0.443 | 0.509 | -14.9 | 109 | -0.01 | 8.38 |
| 53 M | dibromomethane | 0.265 | 0.306 | -15.5 | 110 | -0.01 | 8.49 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 52.338 | -4.7 | 111 | 0.00 | 8.74 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.681 | 0.839 | -23.2# | 113 | -0.01 | 8.33 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 51.277 | -2.6 | 110 | 0.00 | 9.12 |
| 57 M | methyl methacrylate | 50.000 | 54.751 | -9.5 | 120 | 0.00 | 8.52 |
| 58 M | 1,4-dioxane | 250.000 | 252.499 | -1.0 | 105 | -0.02 | 8.50 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 52.016 | -4.0 | 112 | 0.00 | 9.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 60 S | toluene-d8 (s) | 1.279 | 1.305 | -2.0 | 102 | -0.01 | 9.56 |
| | | True | Calc. | % Drift | | | |
| 61 M | 4-methyl-2-pentanone | 50.000 | 56.237 | -12.5 | 123 | 0.00 | 9.45 |
| | | AvgRF | CCRF | % Dev | | | |
| 62 c | toluene | 1.000 | 1.156 | -15.6 | 112 | -0.01 | 9.63 |
| | | True | Calc. | % Drift | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 51.652 | -3.3 | 115 | 0.00 | 9.92 |
| | | AvgRF | CCRF | % Dev | | | |
| 64 M | 1,1,2-trichloroethane | 0.314 | 0.361 | -15.0 | 111 | 0.00 | 10.13 |
| | | True | Calc. | % Drift | | | |
| 65 M | ethyl methacrylate | 50.000 | 54.277 | -8.6 | 118 | 0.00 | 10.00 |
| | | AvgRF | CCRF | % Dev | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 11.09 |
| 67 M | tetrachloroethene | 0.744 | 0.856 | -15.1 | 115 | 0.00 | 10.18 |
| 68 M | 1,3-dichloropropane | 1.106 | 1.242 | -12.3 | 111 | 0.00 | 10.29 |
| | | True | Calc. | % Drift | | | |
| 69 M | dibromochloromethane | 50.000 | 50.270 | -0.5 | 114 | 0.00 | 10.51 |
| | | AvgRF | CCRF | % Dev | | | |
| 70 M | 1,2-dibromoethane | 0.615 | 0.710 | -15.4 | 112 | 0.00 | 10.62 |
| | | True | Calc. | % Drift | | | |
| 71 M | 2-hexanone | 50.000 | 64.542 | -29.1# | 142 | 0.00 | 10.36 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.002 | 2.250 | -12.4 | 112 | 0.00 | 11.12 |
| | | True | Calc. | % Drift | | | |
| 73 M | 1,1,1,2-tetrachloroethane | 50.000 | 52.136 | -4.3 | 112 | 0.00 | 11.22 |
| | | AvgRF | CCRF | % Dev | | | |
| 74 c | ethylbenzene | 3.328 | 3.940 | -18.4 | 112 | 0.00 | 11.22 |
| 75 M | m,p-xylene | 1.203 | 1.454 | -20.9# | 114 | 0.00 | 11.36 |

5.8.7
5

Continuing Calibration Summary

Job Number: MC4387 **Sample:** MSV114-CC112
Account: GGSVAVB Global General Services **Lab FileID:** V2600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 76 M | o-xylene | 50.000 | 53.873 | -7.7 | 113 | 0.00 | 11.73 |
| 77 M | styrene | 50.000 | 53.298 | -6.6 | 113 | 0.00 | 11.75 |
| 78 P | bromoform | 50.000 | 48.733 | 2.5 | 117 | 0.00 | 11.92 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 55.108 | -10.2 | 123 | 0.00 | 12.14 |
| | | AvgRF | CCRF | % Dev | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 | 13.32 |
| | | True | Calc. | % Drift | | | |
| 81 M | isopropylbenzene | 50.000 | 54.545 | -9.1 | 115 | 0.00 | 12.08 |
| | | AvgRF | CCRF | % Dev | | | |
| 82 S | bromofluorobenzene (s) | 0.975 | 0.970 | 0.5 | 102 | 0.00 | 12.25 |
| 83 M | bromobenzene | 0.894 | 0.997 | -11.5 | 111 | 0.00 | 12.37 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.993 | 1.140 | -14.8 | 113 | 0.00 | 12.38 |
| | | True | Calc. | % Drift | | | |
| 85 M | 1,2,3-trichloropropane | 50.000 | 53.055 | -6.1 | 118 | 0.00 | 12.42 |
| | | AvgRF | CCRF | % Dev | | | |
| 86 M | n-propylbenzene | 4.225 | 5.156 | -22.0# | 115 | 0.00 | 12.47 |
| 87 M | 2-chlorotoluene | 2.561 | 2.990 | -16.8 | 114 | 0.00 | 12.55 |
| 88 M | 4-chlorotoluene | 2.933 | 3.437 | -17.2 | 113 | 0.00 | 12.66 |
| 89 M | 1,3,5-trimethylbenzene | 2.913 | 3.458 | -18.7 | 115 | 0.00 | 12.65 |
| | | True | Calc. | % Drift | | | |
| 90 M | tert-butylbenzene | 50.000 | 53.383 | -6.8 | 113 | 0.00 | 12.94 |
| | | AvgRF | CCRF | % Dev | | | |
| 91 M | 1,2,4-trimethylbenzene | 2.919 | 3.424 | -17.3 | 115 | 0.00 | 12.99 |
| 92 M | sec-butylbenzene | 3.821 | 4.548 | -19.0 | 115 | 0.00 | 13.14 |
| 93 M | 1,3-dichlorobenzene | 1.606 | 1.852 | -15.3 | 115 | 0.00 | 13.25 |
| 94 M | p-isopropyltoluene | 2.706 | 3.309 | -22.3# | 117 | 0.00 | 13.29 |
| 95 M | 1,4-dichlorobenzene | 1.674 | 1.889 | -12.8 | 114 | 0.00 | 13.35 |
| 96 M | 1,2-dichlorobenzene | 1.560 | 1.790 | -14.7 | 112 | 0.00 | 13.67 |
| 97 M | n-butylbenzene | 3.032 | 3.817 | -25.9# | 118 | 0.00 | 13.66 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 50.237 | -0.5 | 123 | 0.00 | 14.40 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.104 | 1.384 | -25.4# | 121 | 0.00 | 14.56 |
| | | True | Calc. | % Drift | | | |
| 100 M | 1,2,4-trichlorobenzene | 50.000 | 55.653 | -11.3 | 121 | 0.00 | 15.15 |
| | | AvgRF | CCRF | % Dev | | | |
| 101 M | hexachlorobutadiene | 0.573 | 0.677 | -18.2 | 116 | 0.00 | 15.29 |
| | | True | Calc. | % Drift | | | |
| 102 M | naphthalene | 50.000 | 53.339 | -6.7 | 119 | 0.00 | 15.40 |
| 103 M | 1,2,3-trichlorobenzene | 50.000 | 53.803 | -7.6 | 117 | 0.00 | 15.60 |
| 104 | 2-Methylnaphthalene | 25.000 | 28.407 | -13.6 | 134 | 0.00 | 16.53 |
| 105 | 1-Methylnaphthalene | 25.000 | 25.850 | -3.4 | 116 | 0.00 | 16.72 |

(18.8 %) 19 of 101 compounds' %D > 20

5.8.7
5

GC/MS Volatiles

Raw Data



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2611.D
Acq On : 18 Oct 2011 2:24 am
Operator : AMYM
Sample : mc4387-1
Misc : MS24148,MSV114,6.69,,,5,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 18 09:27:18 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide, trichloroethene).

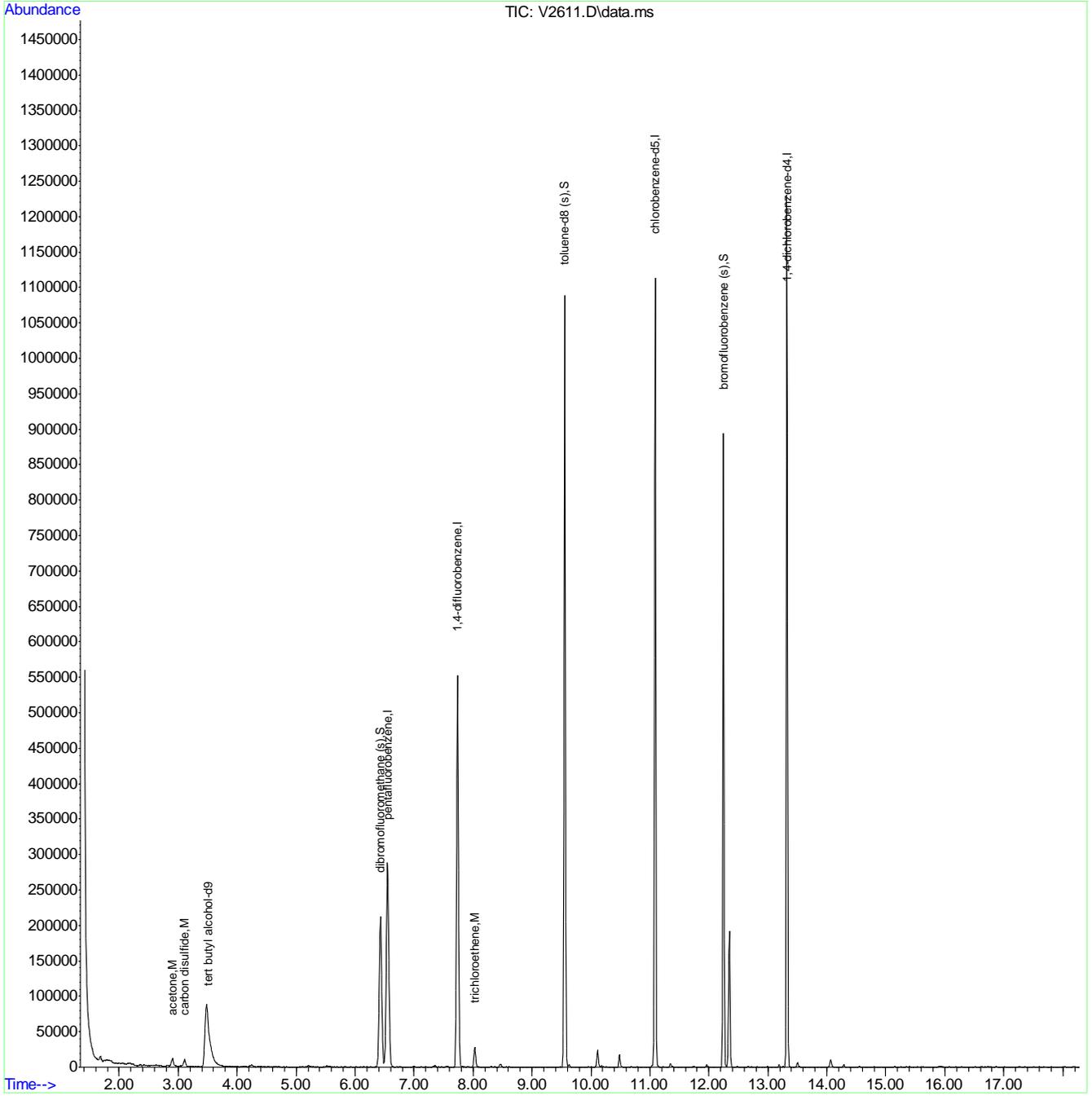
(#) = qualifier out of range (m) = manual integration (+) = signals summed

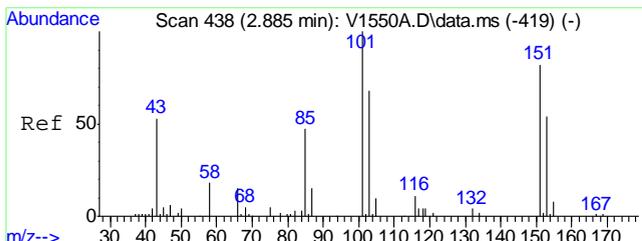
6.1.1 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2611.D
Acq On : 18 Oct 2011 2:24 am
Operator : AMYM
Sample : mc4387-1
Misc : MS24148,MSV114,6.69,,,5,1
ALS Vial : 33 Sample Multiplier: 1

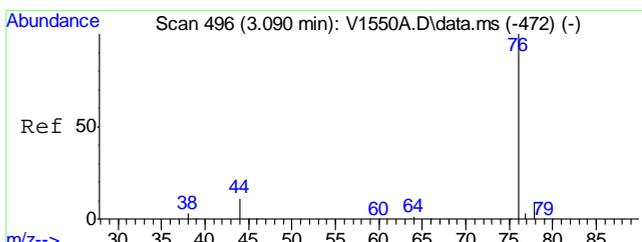
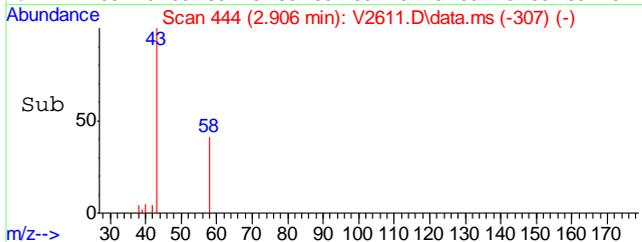
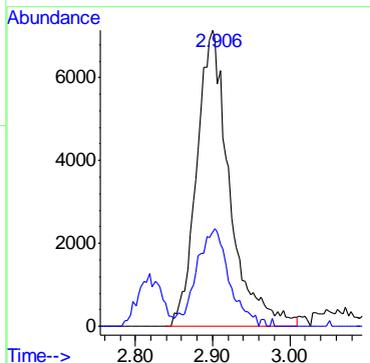
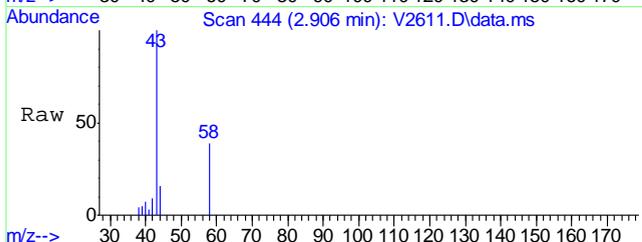
Quant Time: Oct 18 09:27:18 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





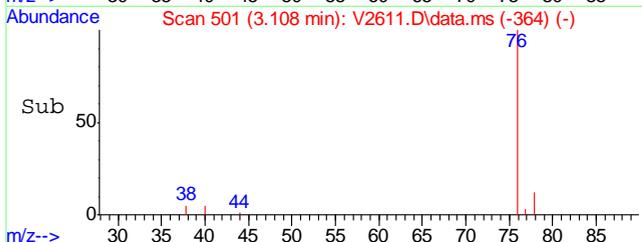
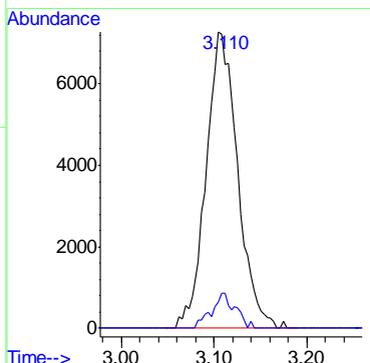
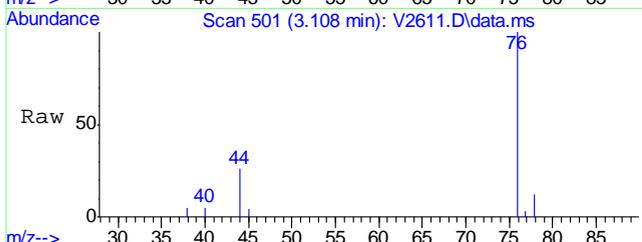
#16
acetone
Concen: 12.35 ug/L
RT: 2.906 min Scan# 444
Delta R.T. -0.015 min
Lab File: V2611.D
Acq: 18 Oct 2011 2:24 am

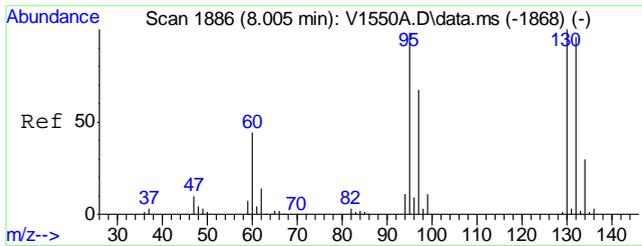
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 21133 | 100 | |
| 58 | 38.9 | 4.3 | 64.3 |



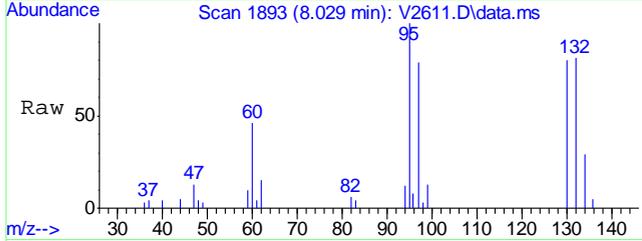
#24
carbon disulfide
Concen: 2.28 ug/L
RT: 3.110 min Scan# 501
Delta R.T. -0.013 min
Lab File: V2611.D
Acq: 18 Oct 2011 2:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 17129 | 100 | |
| 78 | 11.9 | 0.0 | 39.1 |

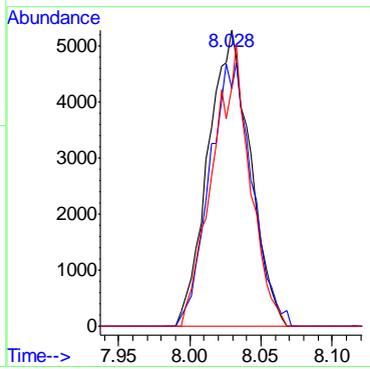
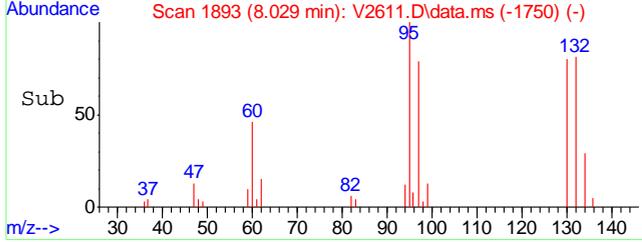




#51
 trichloroethene
 Concen: 2.57 ug/L
 RT: 8.028 min Scan# 1893
 Delta R.T. -0.016 min
 Lab File: V2611.D
 Acq: 18 Oct 2011 2:24 am



| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 10868 | | |
| 130 | 80.3 | 71.8 | 131.8 |
| 132 | 80.5 | 67.7 | 127.7 |



6.1.1
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2582.D
 Acq On : 17 Oct 2011 11:20 am
 Operator : AMYM
 Sample : mc4387-2
 Misc : MS24148,MSV112,6.79,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 08:45:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

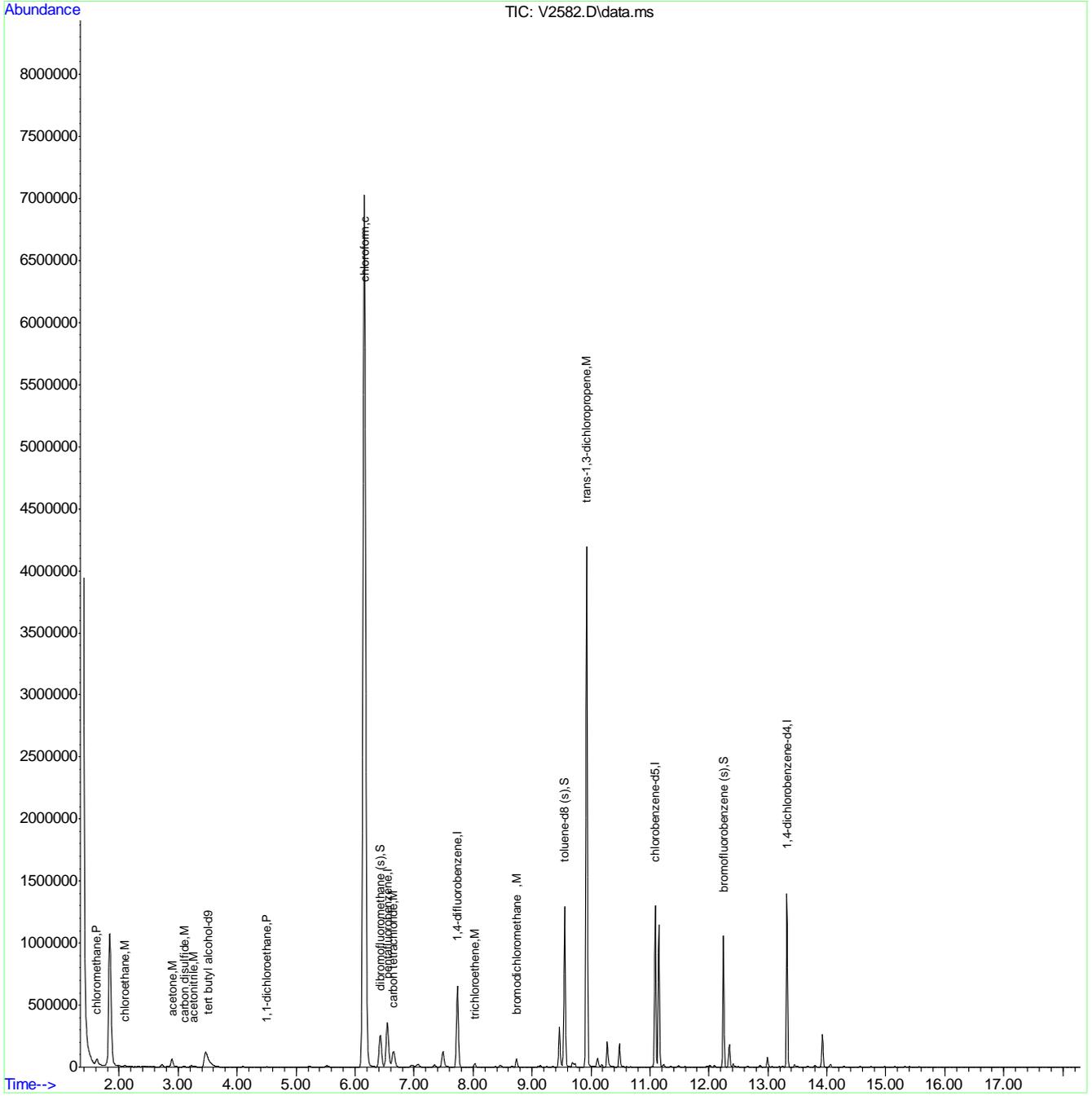
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|-------|----------|----------|--------|----------|-----|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.509 | 65 | 223491 | 500.00 | ug/L | -0.04 | |
| 4) pentafluorobenzene | 6.548 | 168 | 371541 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.736 | 114 | 637420 | 50.00 | ug/L | -0.02 | |
| 66) chlorobenzene-d5 | 11.088 | 82 | 348202 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 303543 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.428 | 113 | 233752 | 50.98 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.96% | |
| 60) toluene-d8 (s) | 9.555 | 98 | 795763 | 48.80 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.60% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 299319 | 50.58 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.16% | |
| Target Compounds | | | | | | | |
| 6) chloromethane | 1.621 | 50 | 74753 | 12.81 | ug/L | | 99 |
| 9) chloroethane | 2.099 | 64 | 5480 | 1.89 | ug/L | | 86 |
| 11) acetonitrile | 3.252 | 41 | 32804 | 2.98 | ug/L # | | 38 |
| 16) acetone | 2.904 | 43 | 124882 | 87.64 | ug/L | | 98 |
| 24) carbon disulfide | 3.104 | 76 | 15265 | 1.87 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.494 | 63 | 5496 | 0.58 | ug/L | | 93 |
| 39) chloroform | 6.158 | 83 | 9066541 | 951.88 | ug/L | | 99 |
| 45) carbon tetrachloride | 6.652 | 117 | 138899 | 19.36 | ug/L | | 96 |
| 51) trichloroethene | 8.028 | 95 | 12317 | 2.32 | ug/L | | 96 |
| 54) bromodichloromethane | 8.736 | 83 | 43992 | 8.89 | ug/L | | 100 |
| 63) trans-1,3-dichloropropene | 9.929 | 75 | 42263 | 10.17 | ug/L | | 77 |

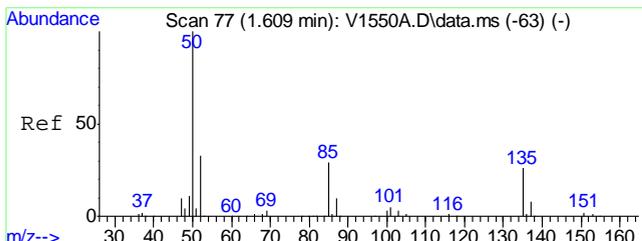
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2582.D
Acq On : 17 Oct 2011 11:20 am
Operator : AMYM
Sample : mc4387-2
Misc : MS24148,MSV112,6.79,,,5,1
ALS Vial : 5 Sample Multiplier: 1

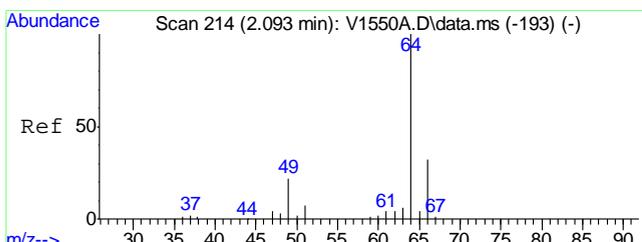
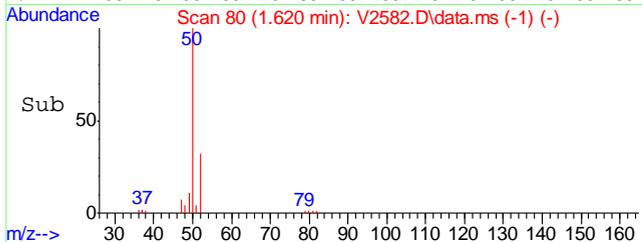
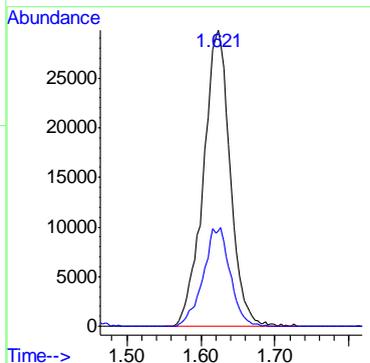
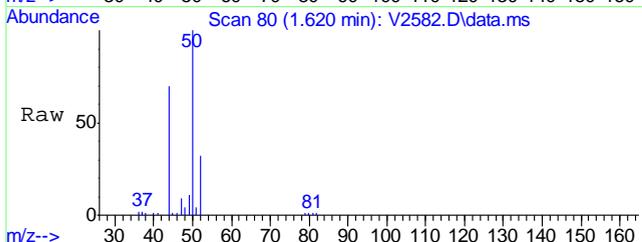
Quant Time: Oct 18 08:45:41 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





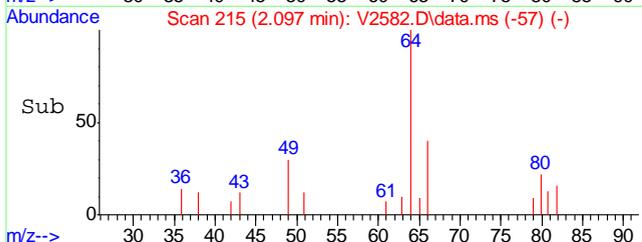
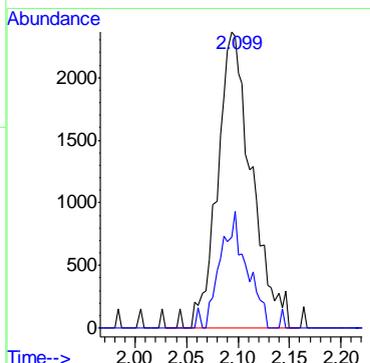
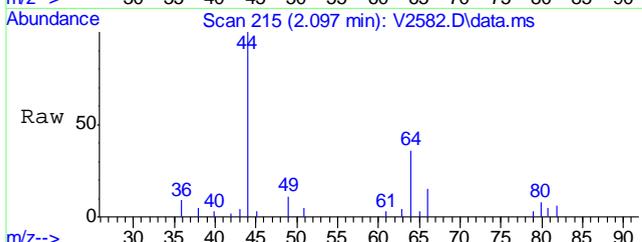
#6
chloromethane
Concen: 12.81 ug/L
RT: 1.621 min Scan# 80
Delta R.T. -0.016 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

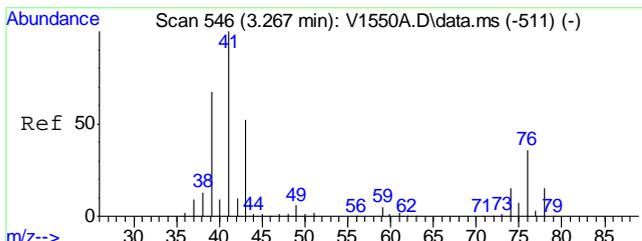
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 50 | 74753 | 100 | |
| 52 | 32.1 | 2.9 | 62.9 |



#9
chloroethane
Concen: 1.89 ug/L
RT: 2.099 min Scan# 215
Delta R.T. -0.021 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

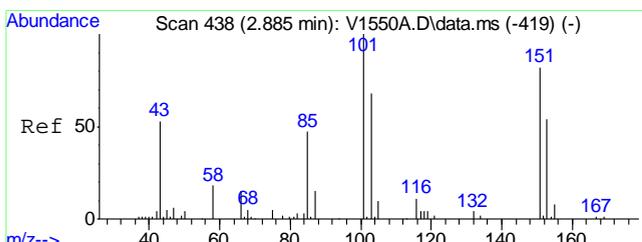
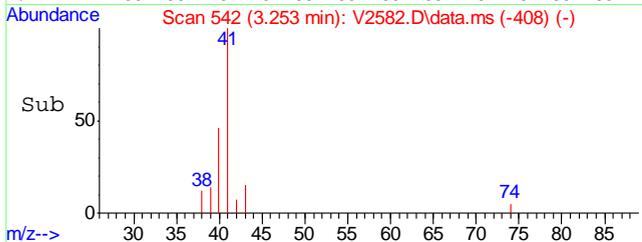
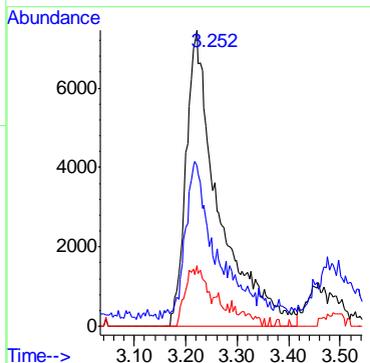
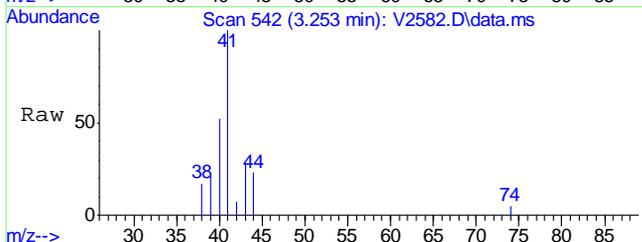
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 64 | 5480 | 100 | |
| 66 | 40.2 | 2.3 | 62.3 |





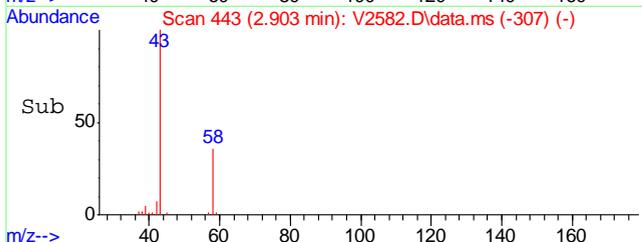
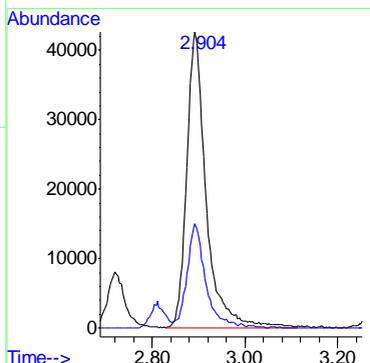
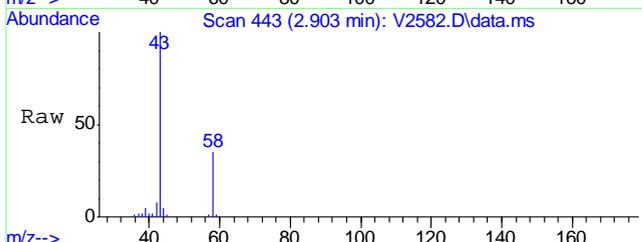
#11
 acetonitrile
 Concen: 2.98 ug/L
 RT: 3.252 min Scan# 542
 Delta R.T. -0.049 min
 Lab File: V2582.D
 Acq: 17 Oct 2011 11:20 am

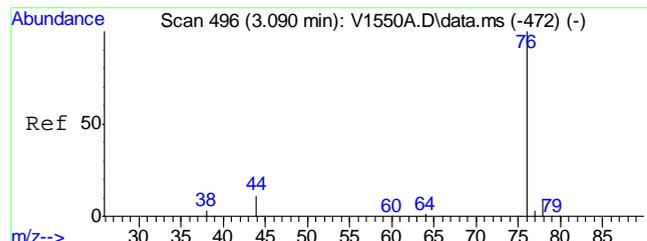
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 41 | 32804 | | |
| 40 | 41.7 | 0.0 | 39.3# |
| 39 | 20.6 | 37.1 | 97.1# |



#16
 acetone
 Concen: 87.64 ug/L
 RT: 2.904 min Scan# 443
 Delta R.T. -0.017 min
 Lab File: V2582.D
 Acq: 17 Oct 2011 11:20 am

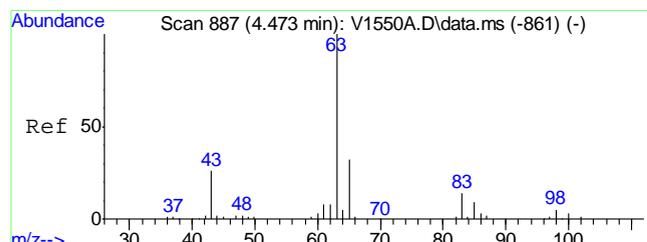
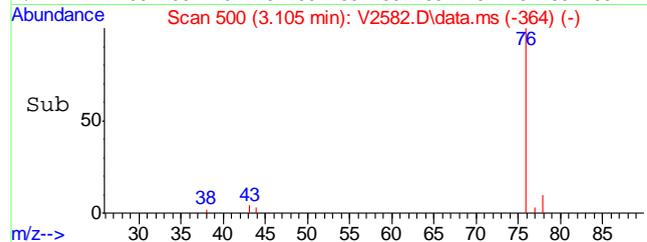
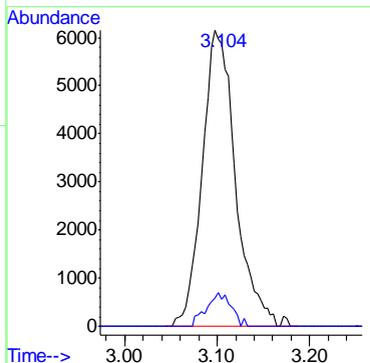
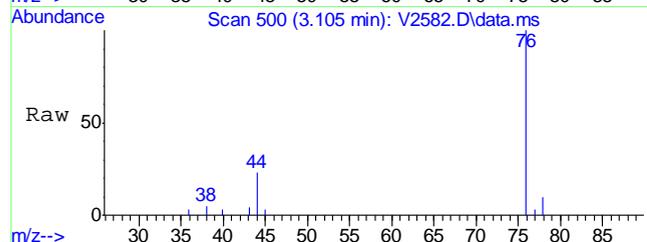
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 124882 | | |
| 58 | 35.4 | 4.3 | 64.3 |





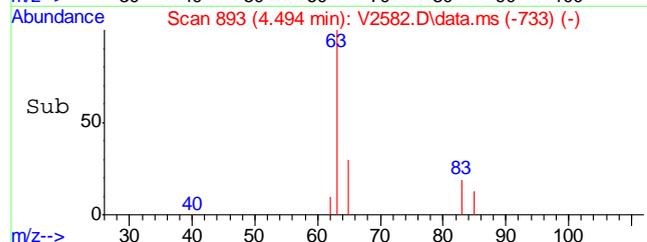
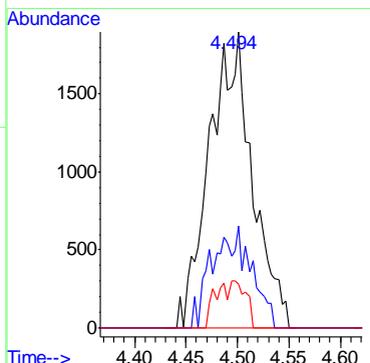
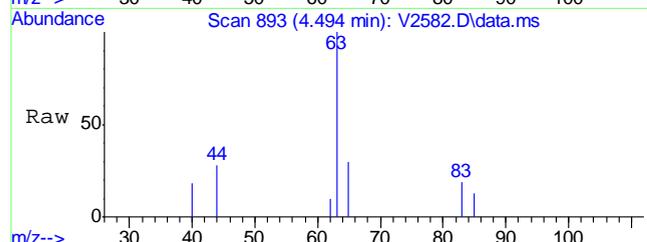
#24
carbon disulfide
Concen: 1.87 ug/L
RT: 3.104 min Scan# 500
Delta R.T. -0.019 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

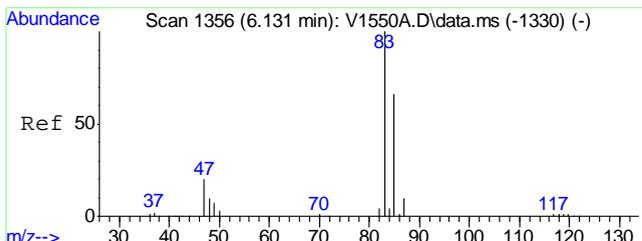
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 15265 | | |
| 76 | 100 | | |
| 78 | 9.6 | 0.0 | 39.1 |



#32
1,1-dichloroethane
Concen: 0.58 ug/L
RT: 4.494 min Scan# 893
Delta R.T. -0.024 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 5496 | | |
| 63 | 100 | | |
| 65 | 30.1 | 2.3 | 62.3 |
| 83 | 19.5 | 0.0 | 43.6 |

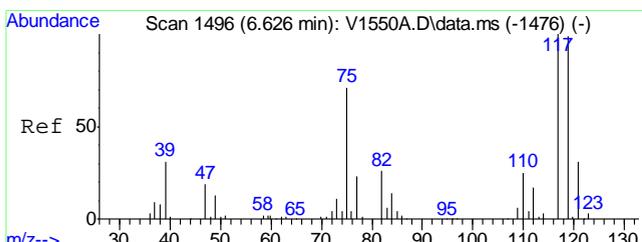
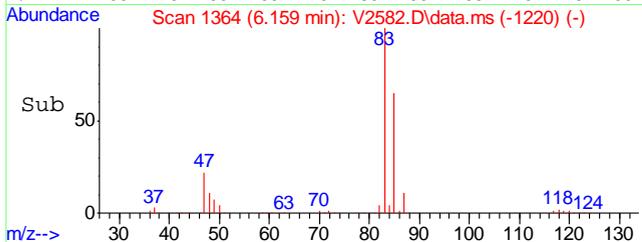
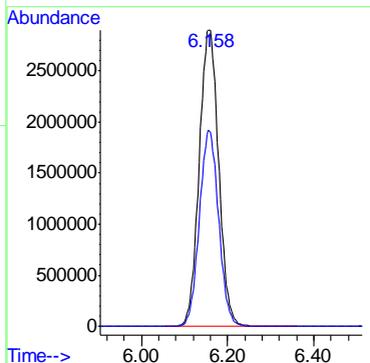
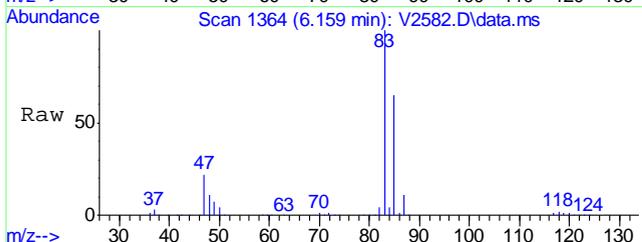




#39
chloroform
Concen: 951.88 ug/L
RT: 6.158 min Scan# 1364
Delta R.T. -0.021 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

Tgt Ion: 83 Resp: 9066541

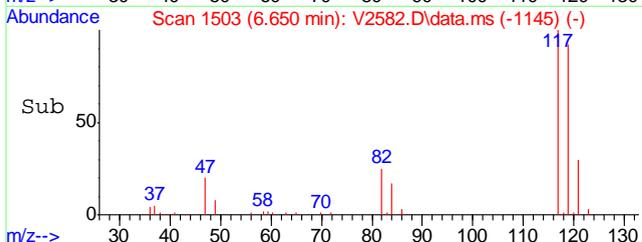
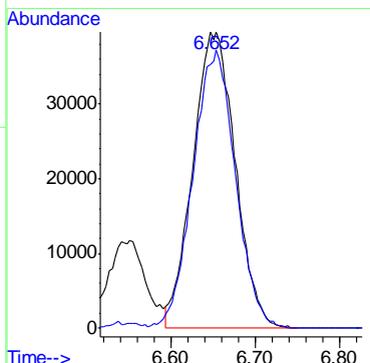
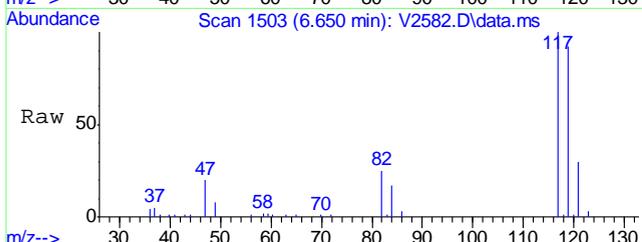
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83 | 100 | | |
| 85 | 65.5 | 36.0 | 96.0 |

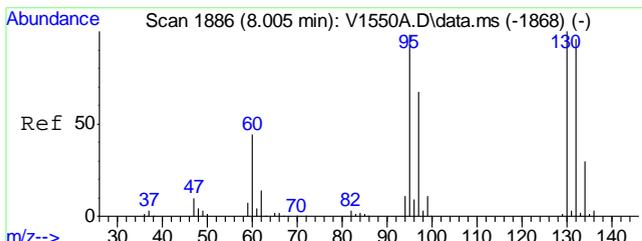


#45
carbon tetrachloride
Concen: 19.36 ug/L
RT: 6.652 min Scan# 1503
Delta R.T. -0.023 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

Tgt Ion: 117 Resp: 138899

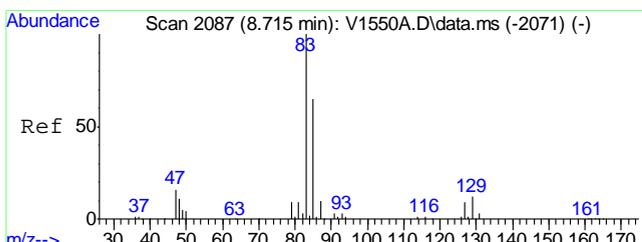
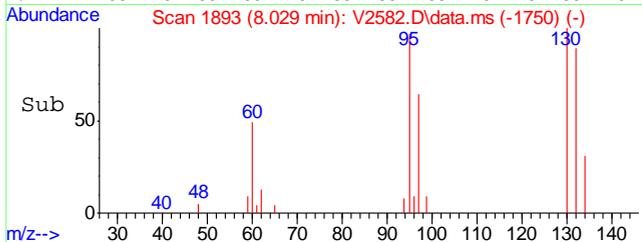
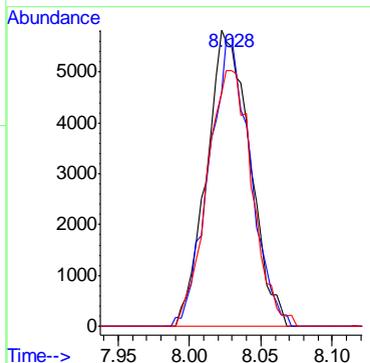
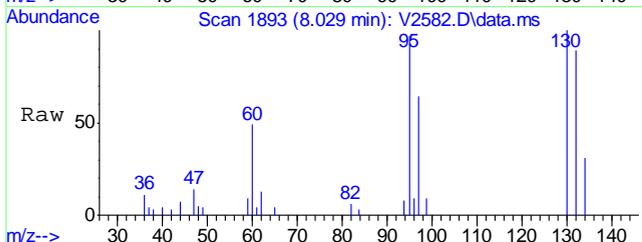
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100 | | |
| 119 | 92.4 | 66.0 | 126.0 |





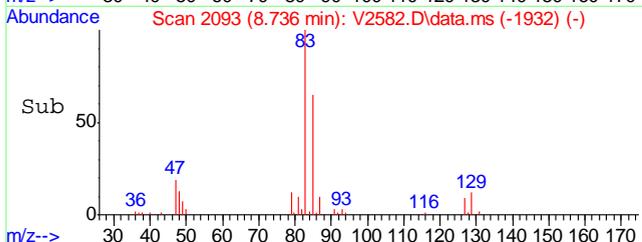
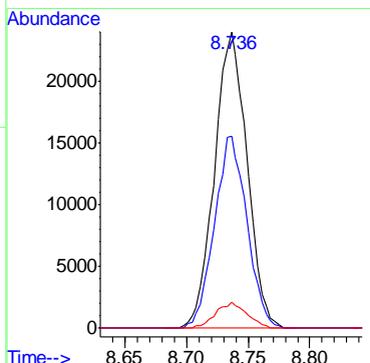
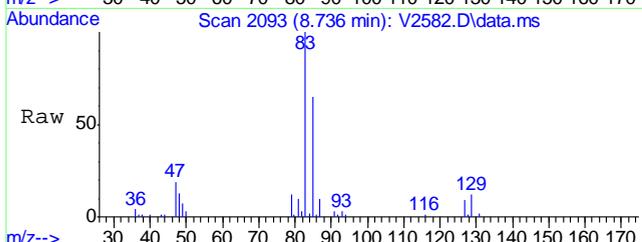
#51
trichloroethene
Concen: 2.32 ug/L
RT: 8.028 min Scan# 1893
Delta R.T. -0.016 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

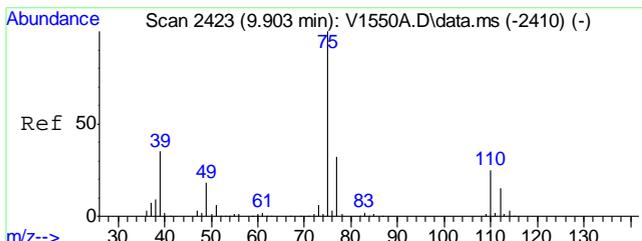
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 12317 | 100 | |
| 130 | 103.0 | 71.8 | 131.8 |
| 132 | 91.6 | 67.7 | 127.7 |



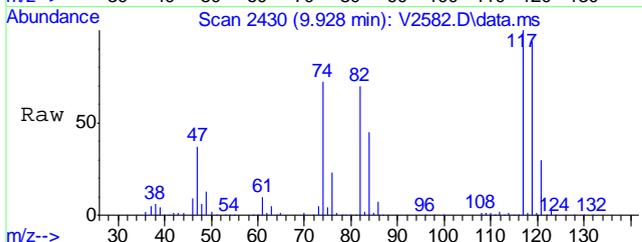
#54
bromodichloromethane
Concen: 8.89 ug/L
RT: 8.736 min Scan# 2093
Delta R.T. -0.012 min
Lab File: V2582.D
Acq: 17 Oct 2011 11:20 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 83 | 43992 | 100 | |
| 85 | 64.7 | 34.6 | 94.6 |
| 127 | 8.9 | 0.0 | 39.1 |

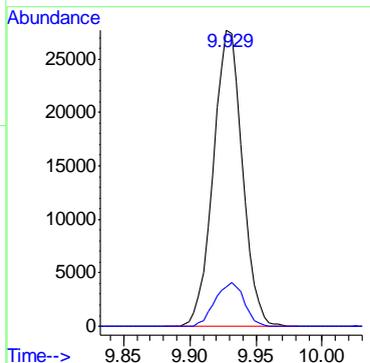
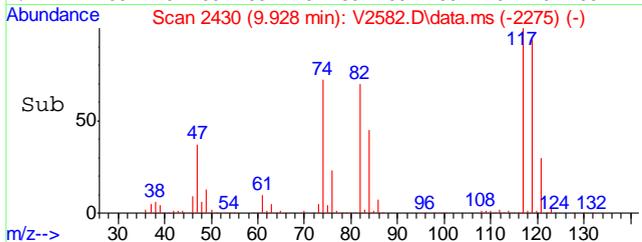




#63
 trans-1,3-dichloropropene
 Concen: 10.17 ug/L
 RT: 9.929 min Scan# 2430
 Delta R.T. -0.001 min
 Lab File: V2582.D
 Acq: 17 Oct 2011 11:20 am



Tgt Ion: 75 Resp: 42263
 Ion Ratio Lower Upper
 75 100
 110 13.2 0.0 54.8



6.12
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2583.D
Acq On : 17 Oct 2011 11:50 am
Operator : AMYM
Sample : mc4387-3
Misc : MS24148,MSV112,6.26,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 18 08:46:46 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, etc.), System Monitoring Compounds (dibromofluoromethane, toluene-d8, etc.), and Target Compounds (acetone, carbon disulfide).

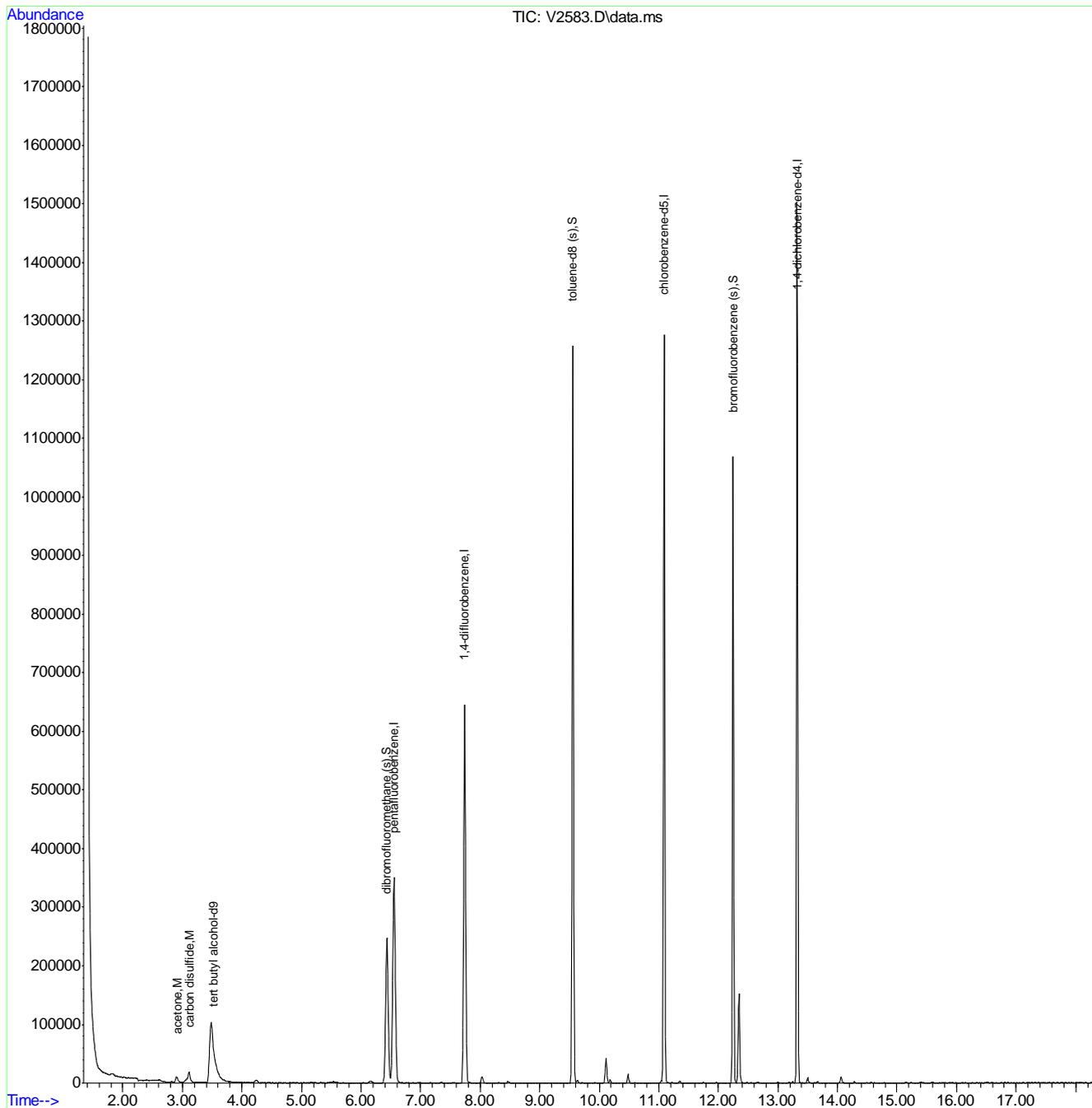
(#) = qualifier out of range (m) = manual integration (+) = signals summed

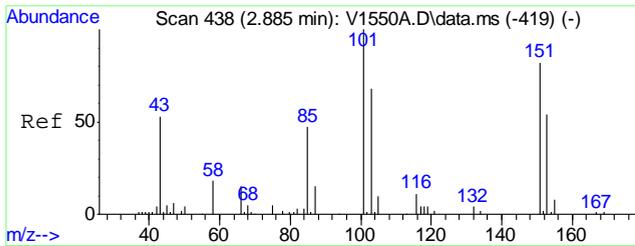
6.1.3 6

Quantitation Report (QT Reviewed)

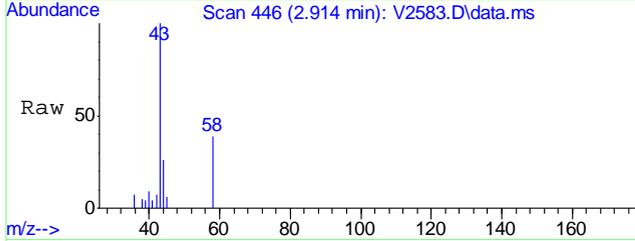
Data Path : C:\msdchem\1\DATA\
 Data File : V2583.D
 Acq On : 17 Oct 2011 11:50 am
 Operator : AMYM
 Sample : mc4387-3
 Misc : MS24148,MSV112,6.26,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 18 08:46:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

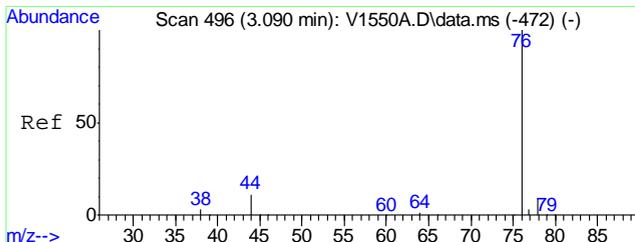
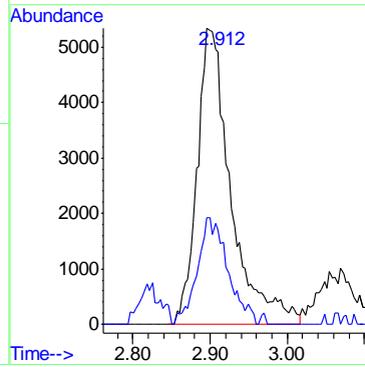
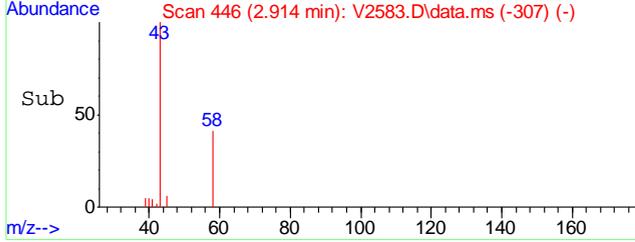




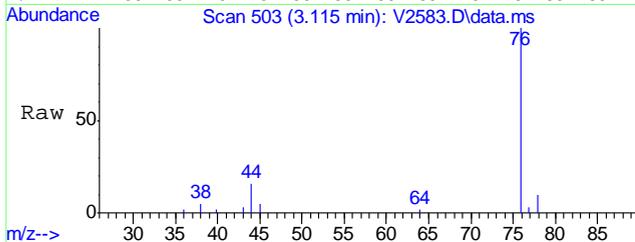
#16
 acetone
 Concen: 3.57 ug/L
 RT: 2.912 min Scan# 446
 Delta R.T. -0.009 min
 Lab File: V2583.D
 Acq: 17 Oct 2011 11:50 am



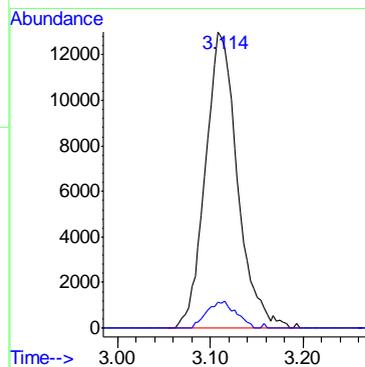
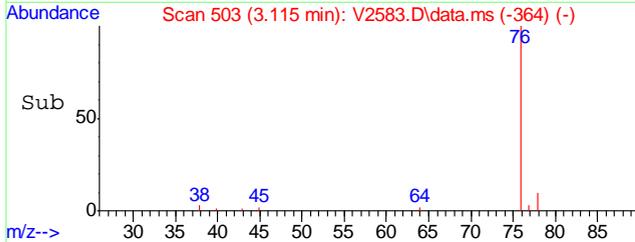
Tgt Ion: 43 Resp: 16183
 Ion Ratio Lower Upper
 43 100
 58 38.6 4.3 64.3



#24
 carbon disulfide
 Concen: 2.80 ug/L
 RT: 3.114 min Scan# 503
 Delta R.T. -0.009 min
 Lab File: V2583.D
 Acq: 17 Oct 2011 11:50 am



Tgt Ion: 76 Resp: 31092
 Ion Ratio Lower Upper
 76 100
 78 9.8 0.0 39.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2584.D
Acq On : 17 Oct 2011 12:20 pm
Operator : AMYM
Sample : mc4387-4
Misc : MS24148,MSV112,6.34,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 18 08:47:34 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|----|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.517 | 65 | 204122 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.551 | 168 | 351325 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.738 | 114 | 610950 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.089 | 82 | 345905 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 307913 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.432 | 113 | 211239 | 48.72 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.44% | |
| 60) toluene-d8 (s) | 9.556 | 98 | 756148 | 48.38 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.76% | |
| 82) bromofluorobenzene (s) | 12.247 | 95 | 289116 | 48.16 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.32% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.905 | 43 | 15679 | 3.51 | ug/L | | 93 |
| 24) carbon disulfide | 3.106 | 76 | 7363 | 1.46 | ug/L | | 89 |

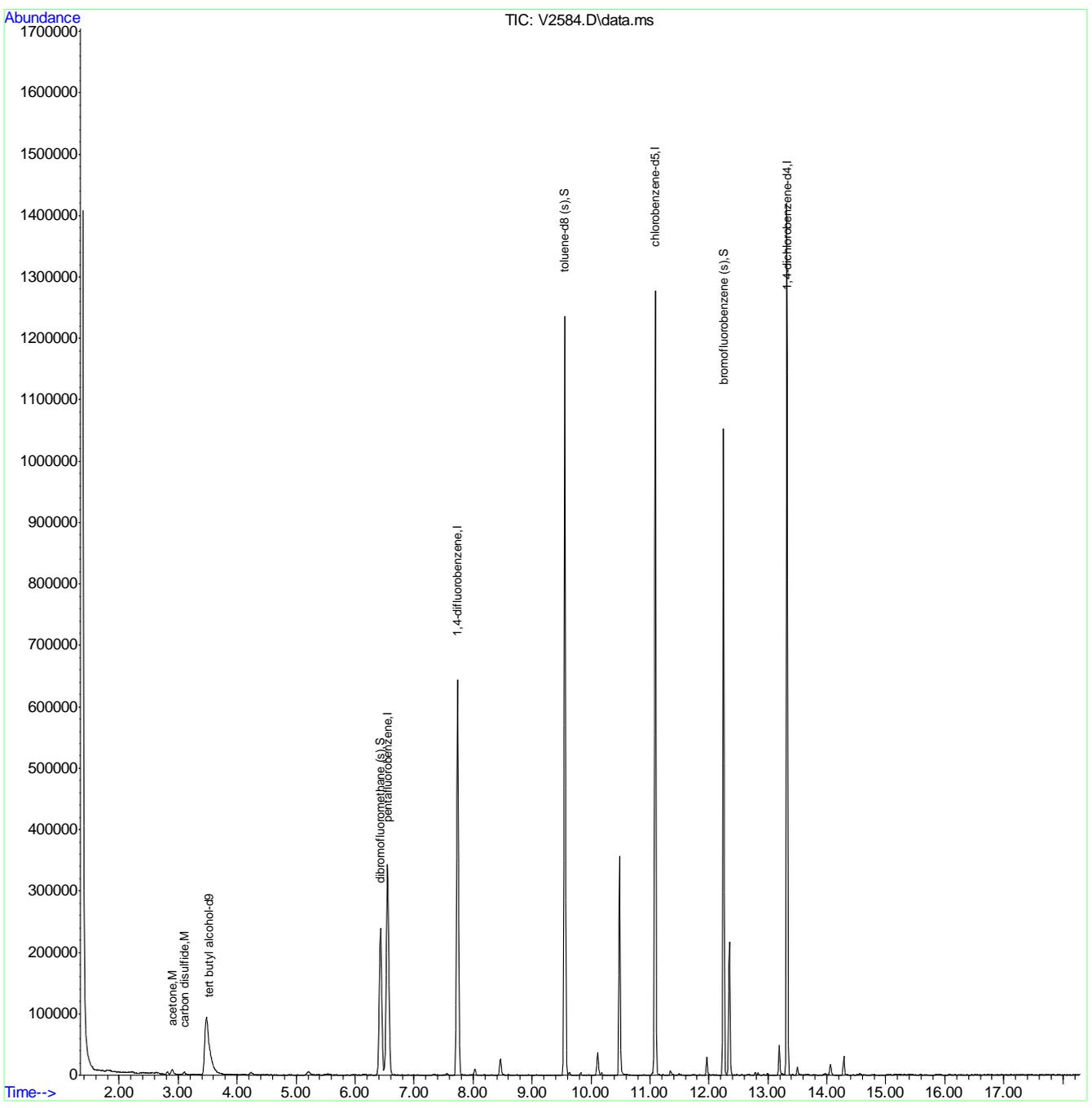
(#) = qualifier out of range (m) = manual integration (+) = signals summed

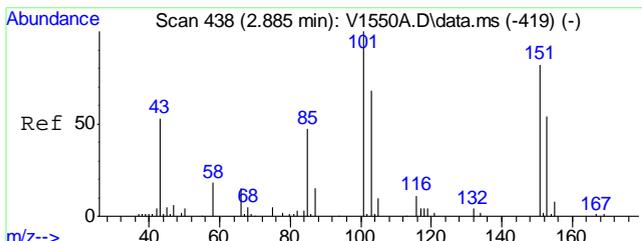
6.1.4
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2584.D
Acq On : 17 Oct 2011 12:20 pm
Operator : AMYM
Sample : mc4387-4
Misc : MS24148,MSV112,6.34,,,5,1
ALS Vial : 7 Sample Multiplier: 1

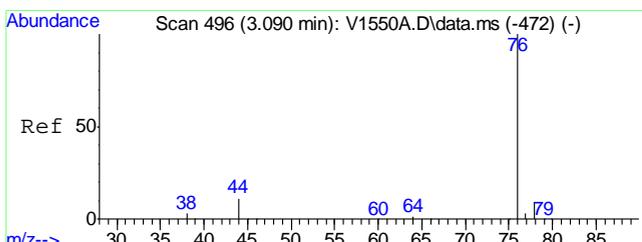
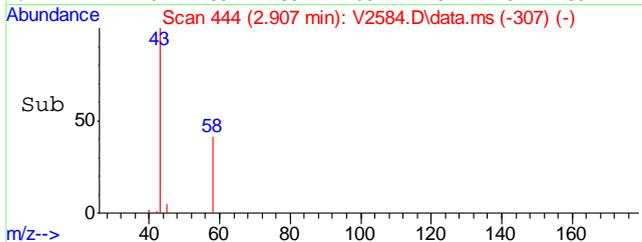
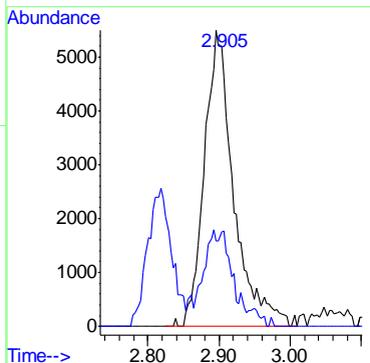
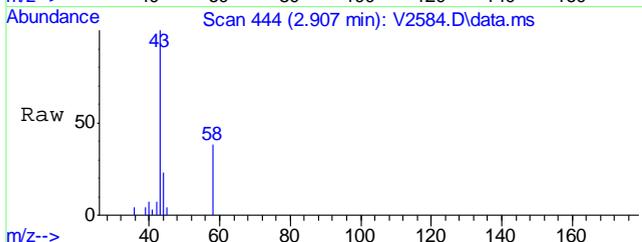
Quant Time: Oct 18 08:47:34 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





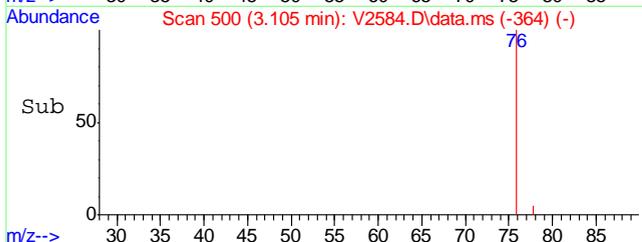
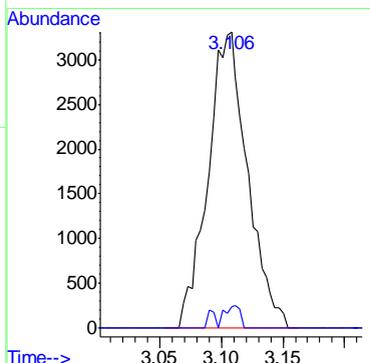
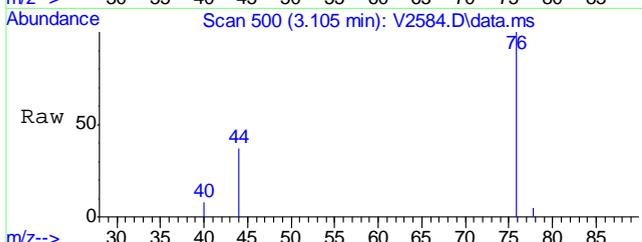
#16
acetone
Concen: 3.51 ug/L
RT: 2.905 min Scan# 444
Delta R.T. -0.016 min
Lab File: V2584.D
Acq: 17 Oct 2011 12:20 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 15679 | 100 | |
| 58 | 38.2 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 1.46 ug/L
RT: 3.106 min Scan# 500
Delta R.T. -0.017 min
Lab File: V2584.D
Acq: 17 Oct 2011 12:20 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 76 | 7363 | 100 | |
| 78 | 5.0 | 0.0 | 39.1 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2585.D
Acq On : 17 Oct 2011 12:51 pm
Operator : AMYM
Sample : mc4387-5
Misc : MS24148,MSV112,6.18,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 08:48:18 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide).

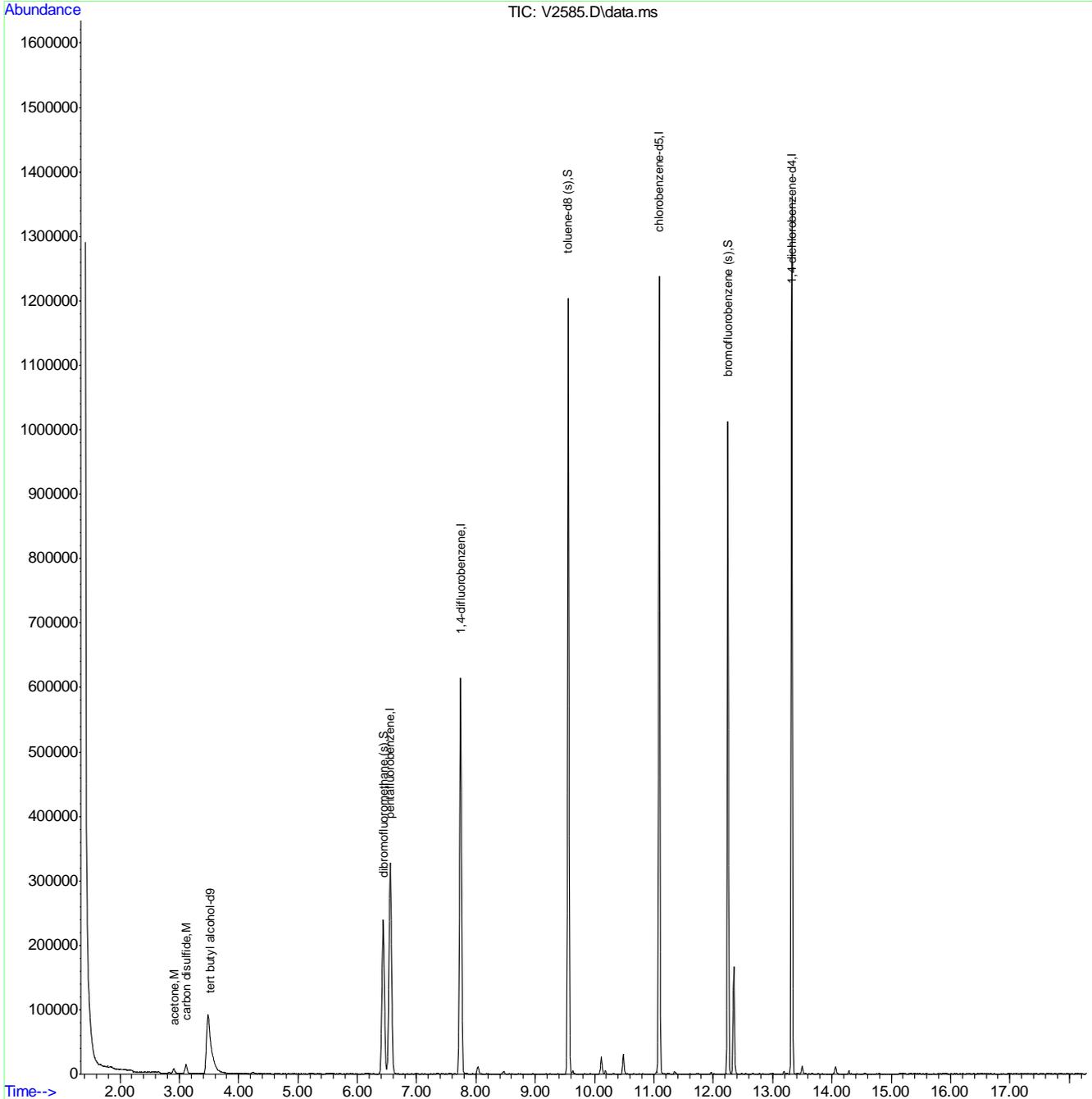
(#) = qualifier out of range (m) = manual integration (+) = signals summed

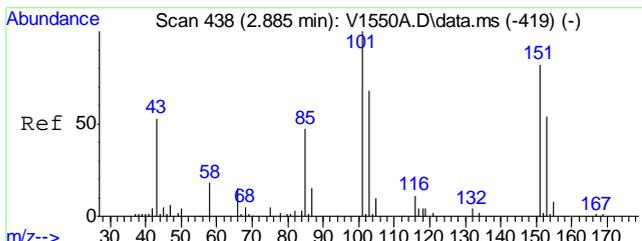
6.1.5 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2585.D
Acq On : 17 Oct 2011 12:51 pm
Operator : AMYM
Sample : mc4387-5
Misc : MS24148,MSV112,6.18,,,5,1
ALS Vial : 8 Sample Multiplier: 1

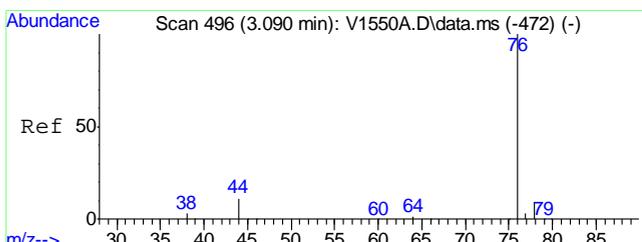
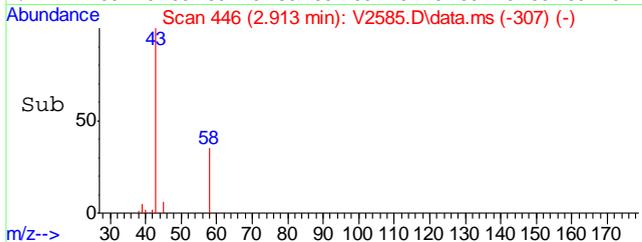
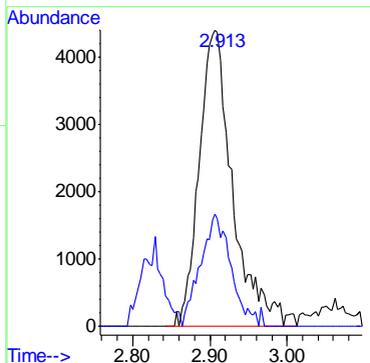
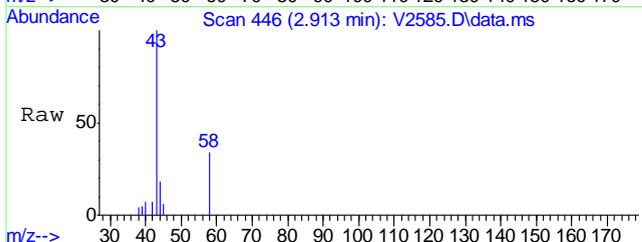
Quant Time: Oct 18 08:48:18 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





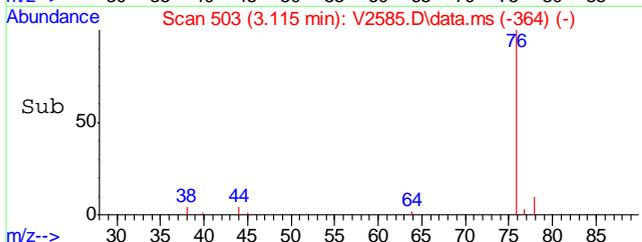
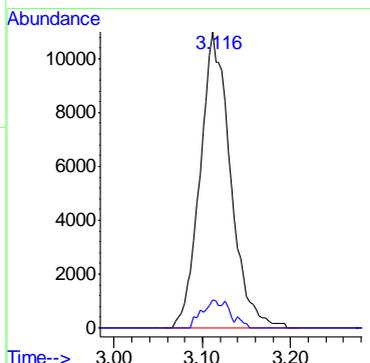
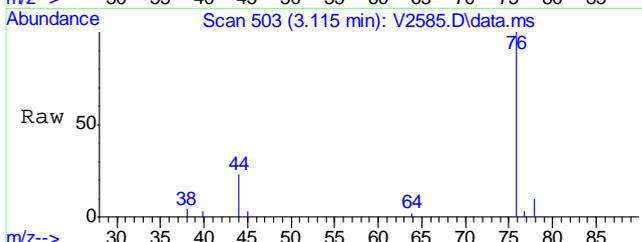
#16
acetone
Concen: 2.17 ug/L
RT: 2.913 min Scan# 446
Delta R.T. -0.008 min
Lab File: V2585.D
Acq: 17 Oct 2011 12:51 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 13313 | 100 | |
| 58 | 33.5 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 2.64 ug/L
RT: 3.116 min Scan# 503
Delta R.T. -0.007 min
Lab File: V2585.D
Acq: 17 Oct 2011 12:51 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 26161 | 100 | |
| 78 | 10.2 | 0.0 | 39.1 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2612.D
 Acq On : 18 Oct 2011 2:54 am
 Operator : AMYM
 Sample : mc4387-6
 Misc : MS24148,MSV114,6.5,,,5,1
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 18 09:28:00 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

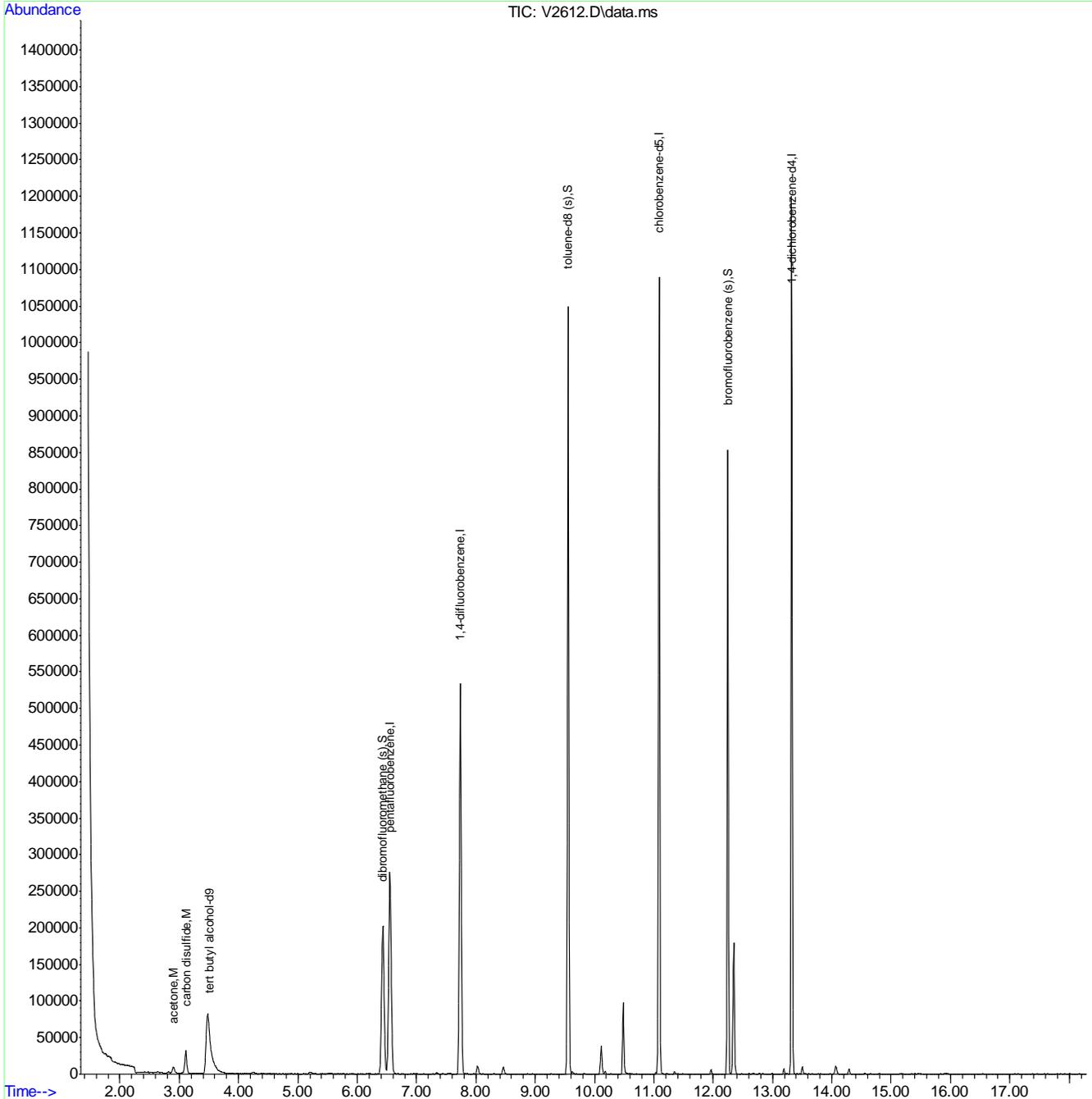
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|-----------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.514 | 65 | 152441 | 500.00 | ug/L | #-0.04 | |
| 4) pentafluorobenzene | 6.553 | 168 | 267750 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.738 | 114 | 496143 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.088 | 82 | 285418 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 241089 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.432 | 113 | 181272 | 54.86 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 109.72% | |
| 60) toluene-d8 (s) | 9.555 | 98 | 625135 | 49.25 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.50% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 229630 | 48.85 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.70% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.907 | 43 | 16786 | 8.72 | ug/L | | Qvalue 94 |
| 24) carbon disulfide | 3.112 | 76 | 55249 | 5.26 | ug/L | | 98 |

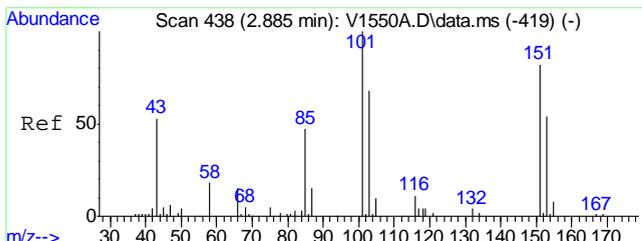
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2612.D
Acq On : 18 Oct 2011 2:54 am
Operator : AMYM
Sample : mc4387-6
Misc : MS24148,MSV114,6.5,,,5,1
ALS Vial : 34 Sample Multiplier: 1

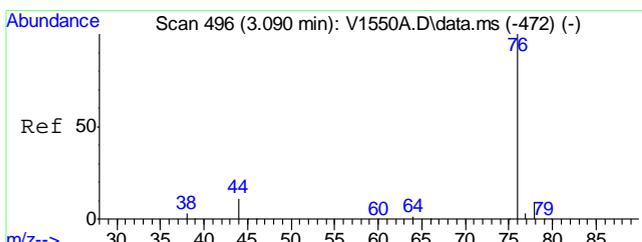
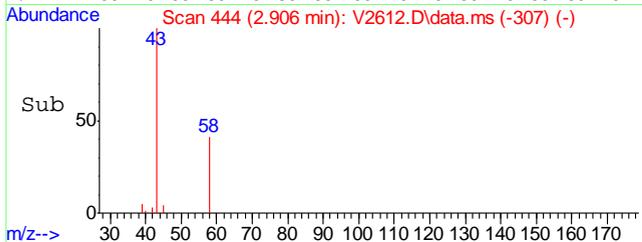
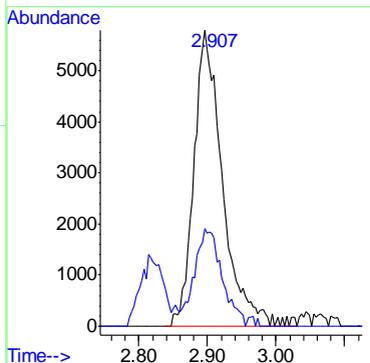
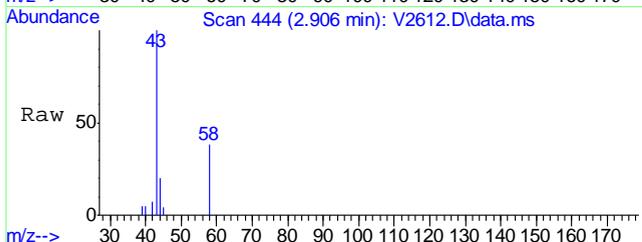
Quant Time: Oct 18 09:28:00 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





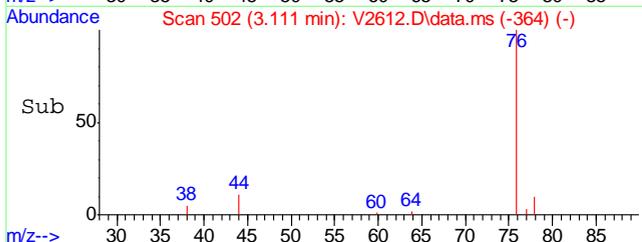
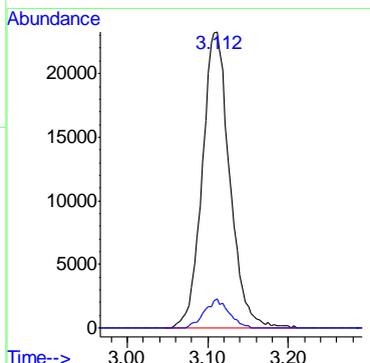
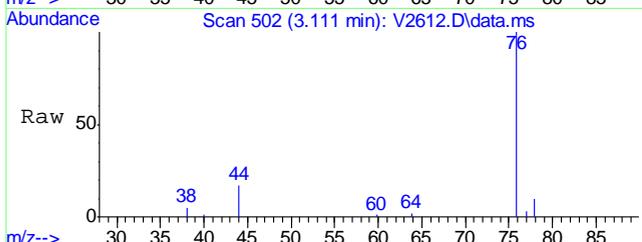
#16
acetone
Concen: 8.72 ug/L
RT: 2.907 min Scan# 444
Delta R.T. -0.014 min
Lab File: V2612.D
Acq: 18 Oct 2011 2:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 16786 | 100 | |
| 58 | 37.9 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 5.26 ug/L
RT: 3.112 min Scan# 502
Delta R.T. -0.011 min
Lab File: V2612.D
Acq: 18 Oct 2011 2:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 55249 | 100 | |
| 78 | 9.9 | 0.0 | 39.1 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2613.D
Acq On : 18 Oct 2011 3:24 am
Operator : AMYM
Sample : mc4387-7
Misc : MS24148,MSV114,6.51,,,5,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 18 09:28:45 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide, benzene).

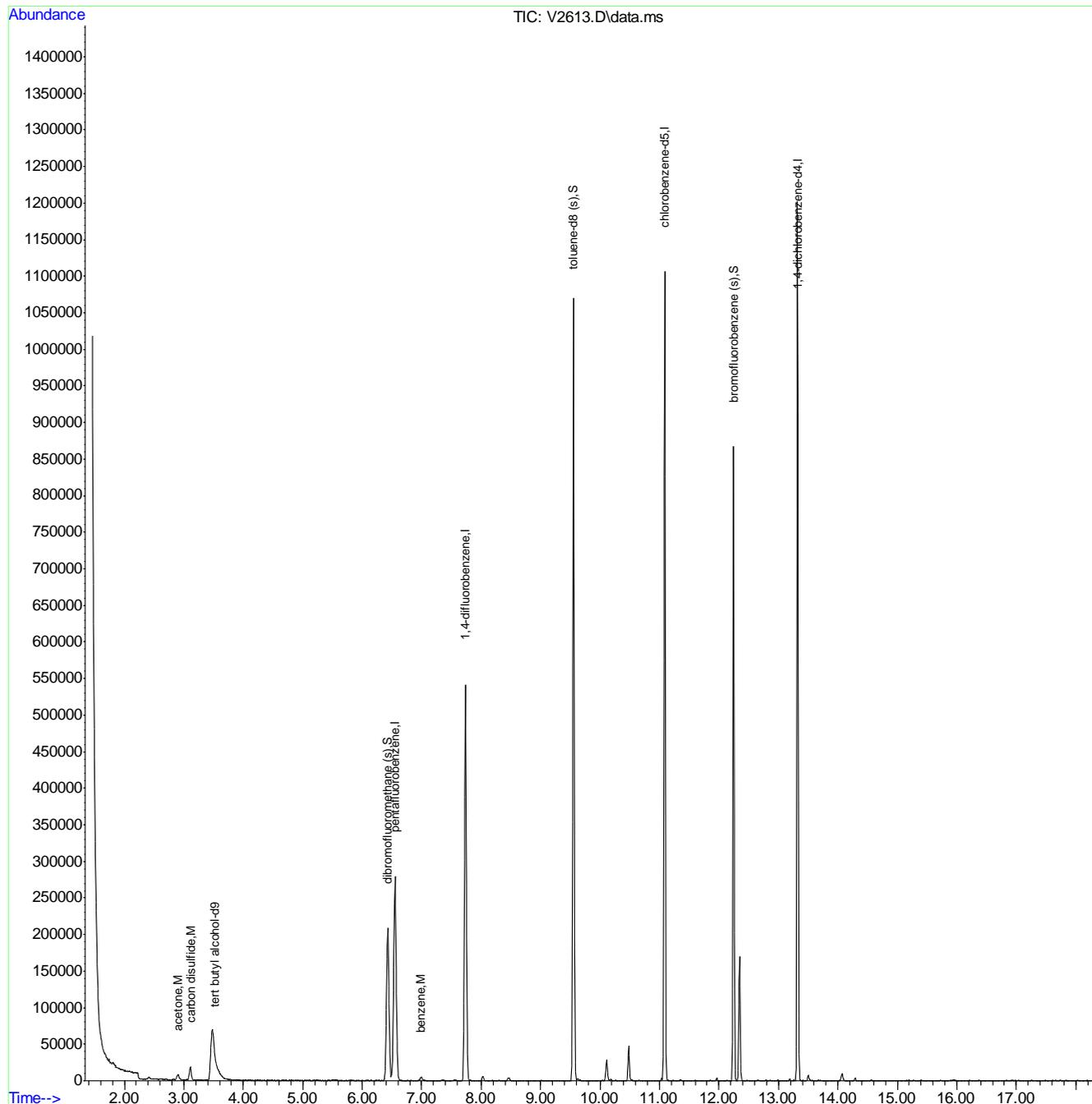
(#) = qualifier out of range (m) = manual integration (+) = signals summed

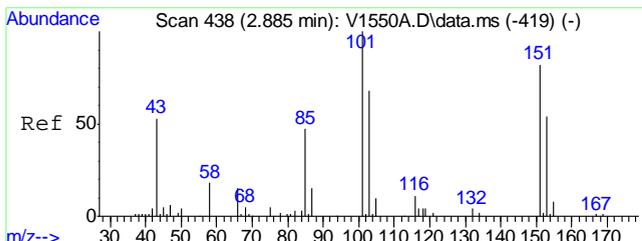
6.1.7 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2613.D
 Acq On : 18 Oct 2011 3:24 am
 Operator : AMYM
 Sample : mc4387-7
 Misc : MS24148,MSV114,6.51,,,5,1
 ALS Vial : 35 Sample Multiplier: 1

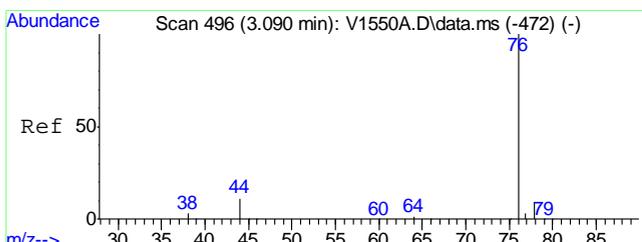
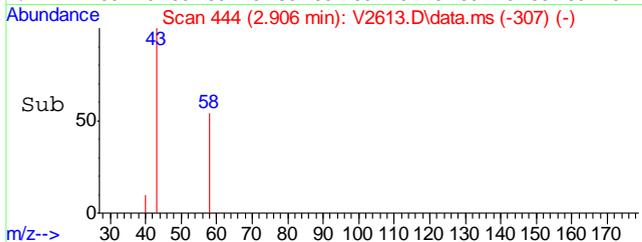
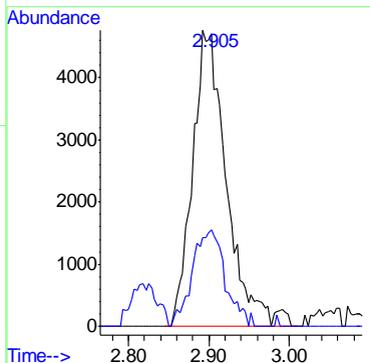
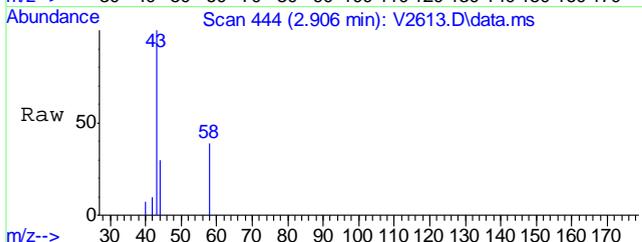
Quant Time: Oct 18 09:28:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration





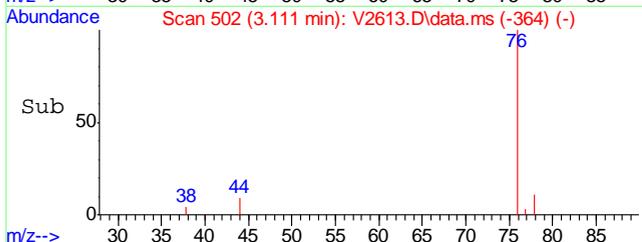
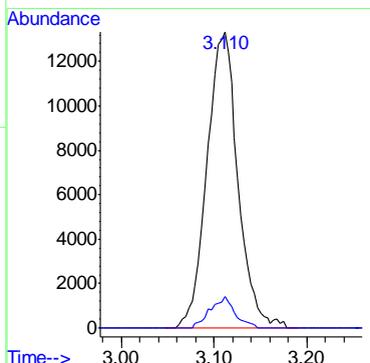
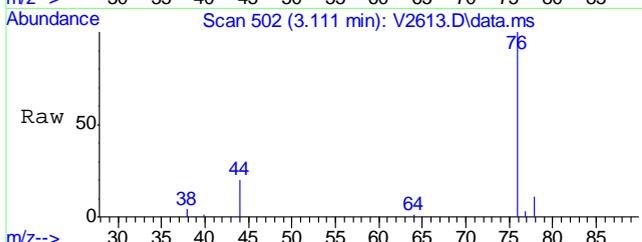
#16
acetone
Concen: 5.64 ug/L
RT: 2.905 min Scan# 444
Delta R.T. -0.016 min
Lab File: V2613.D
Acq: 18 Oct 2011 3:24 am

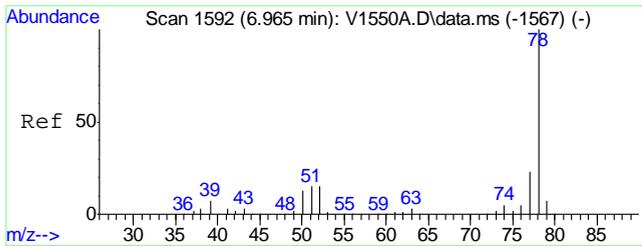
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 14050 | 100 | |
| 58 | 38.5 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 3.37 ug/L
RT: 3.110 min Scan# 502
Delta R.T. -0.013 min
Lab File: V2613.D
Acq: 18 Oct 2011 3:24 am

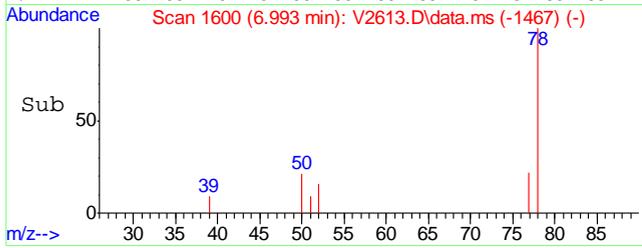
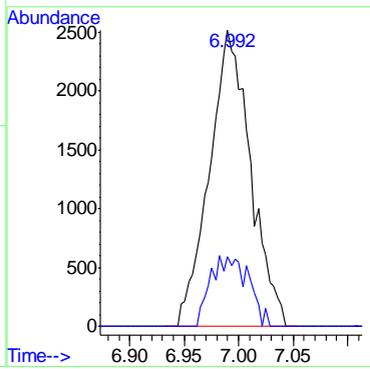
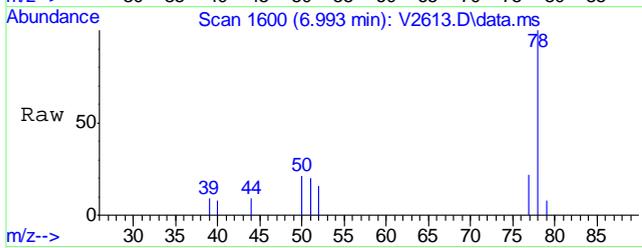
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 30820 | 100 | |
| 78 | 10.7 | 0.0 | 39.1 |





#47
 benzene
 Concen: 0.41 ug/L
 RT: 6.992 min Scan# 1600
 Delta R.T. -0.021 min
 Lab File: V2613.D
 Acq: 18 Oct 2011 3:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 6584 | 100 | |
| 77 | 22.3 | 0.0 | 52.8 |



6.1.7
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2614.D
Acq On : 18 Oct 2011 3:54 am
Operator : AMYM
Sample : mc4387-8
Misc : MS24148,MSV114,6.39,,,5,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 18 09:29:28 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, Methyl Acetate, carbon disulfide).

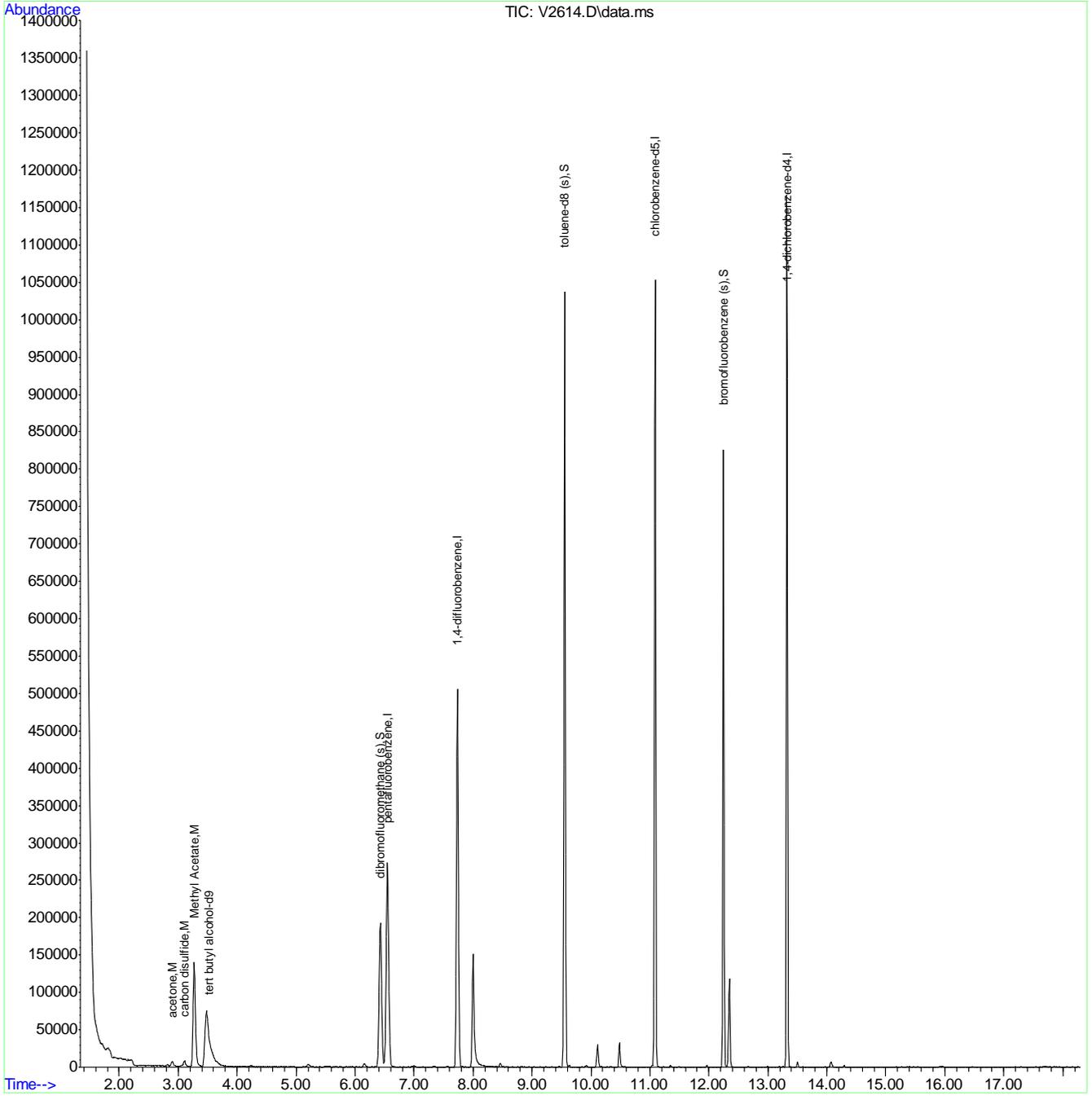
(#) = qualifier out of range (m) = manual integration (+) = signals summed

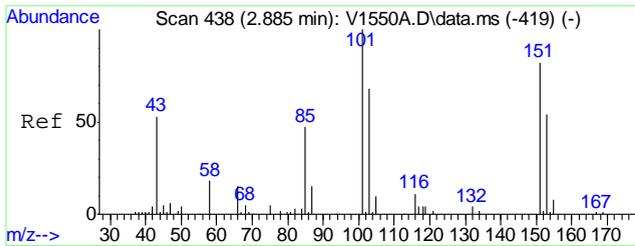
6.1.8 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2614.D
Acq On : 18 Oct 2011 3:54 am
Operator : AMYM
Sample : mc4387-8
Misc : MS24148,MSV114,6.39,,,5,1
ALS Vial : 36 Sample Multiplier: 1

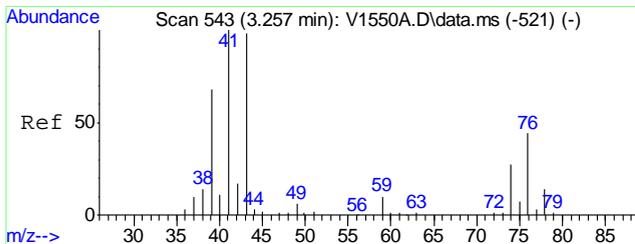
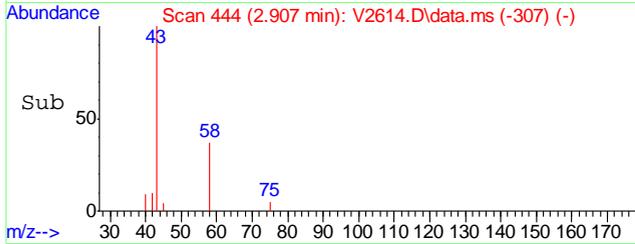
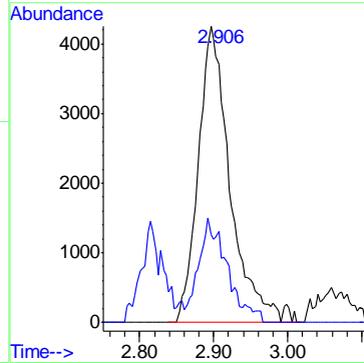
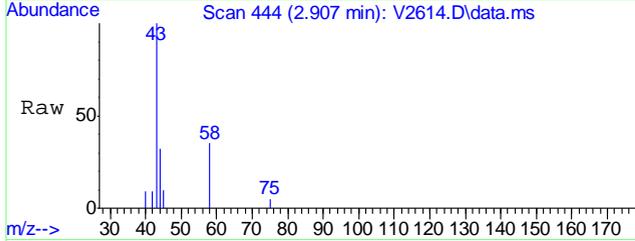
Quant Time: Oct 18 09:29:28 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





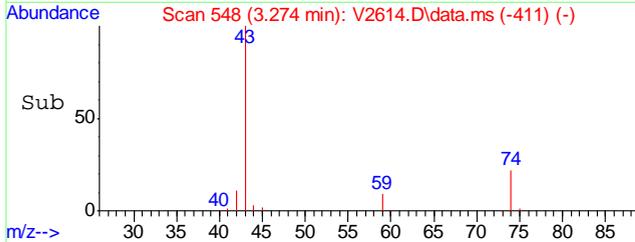
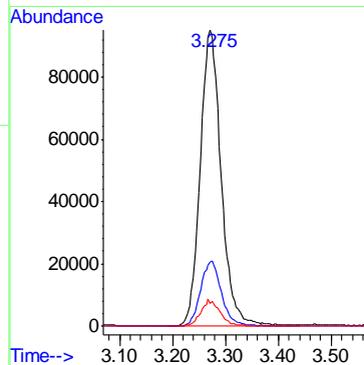
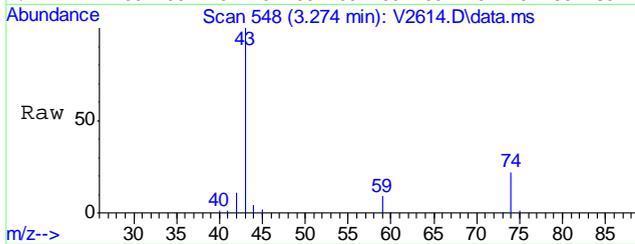
#16
 acetone
 Concen: 4.45 ug/L
 RT: 2.906 min Scan# 444
 Delta R.T. -0.015 min
 Lab File: V2614.D
 Acq: 18 Oct 2011 3:54 am

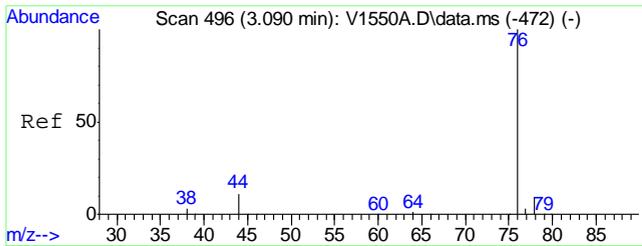
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 12731 | 100 | |
| 58 | 35.2 | 4.3 | 64.3 |



#17
 Methyl Acetate
 Concen: 71.44 ug/L
 RT: 3.275 min Scan# 548
 Delta R.T. -0.015 min
 Lab File: V2614.D
 Acq: 18 Oct 2011 3:54 am

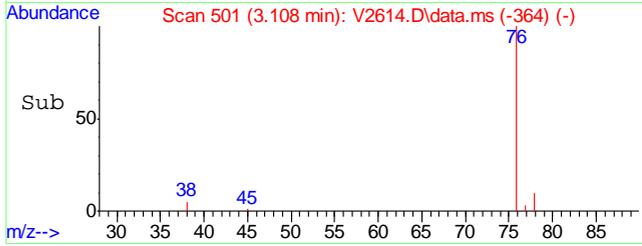
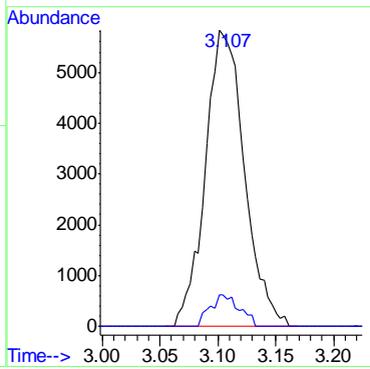
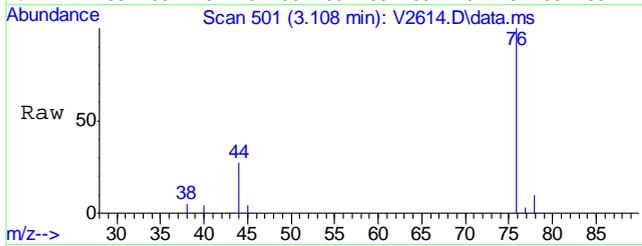
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 261881 | 100 | |
| 74 | 22.4 | 22.3 | 33.5 |
| 59 | 8.7 | 8.2 | 12.2 |





#24
 carbon disulfide
 Concen: 2.09 ug/L
 RT: 3.107 min Scan# 501
 Delta R.T. -0.016 min
 Lab File: V2614.D
 Acq: 18 Oct 2011 3:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 13695 | | |
| 76 | 100 | | |
| 78 | 9.7 | 0.0 | 39.1 |



6.18
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2589.D
Acq On : 17 Oct 2011 3:15 pm
Operator : AMYM
Sample : mc4387-9
Misc : MS24148,MSV112,6.43,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 18 08:53:48 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

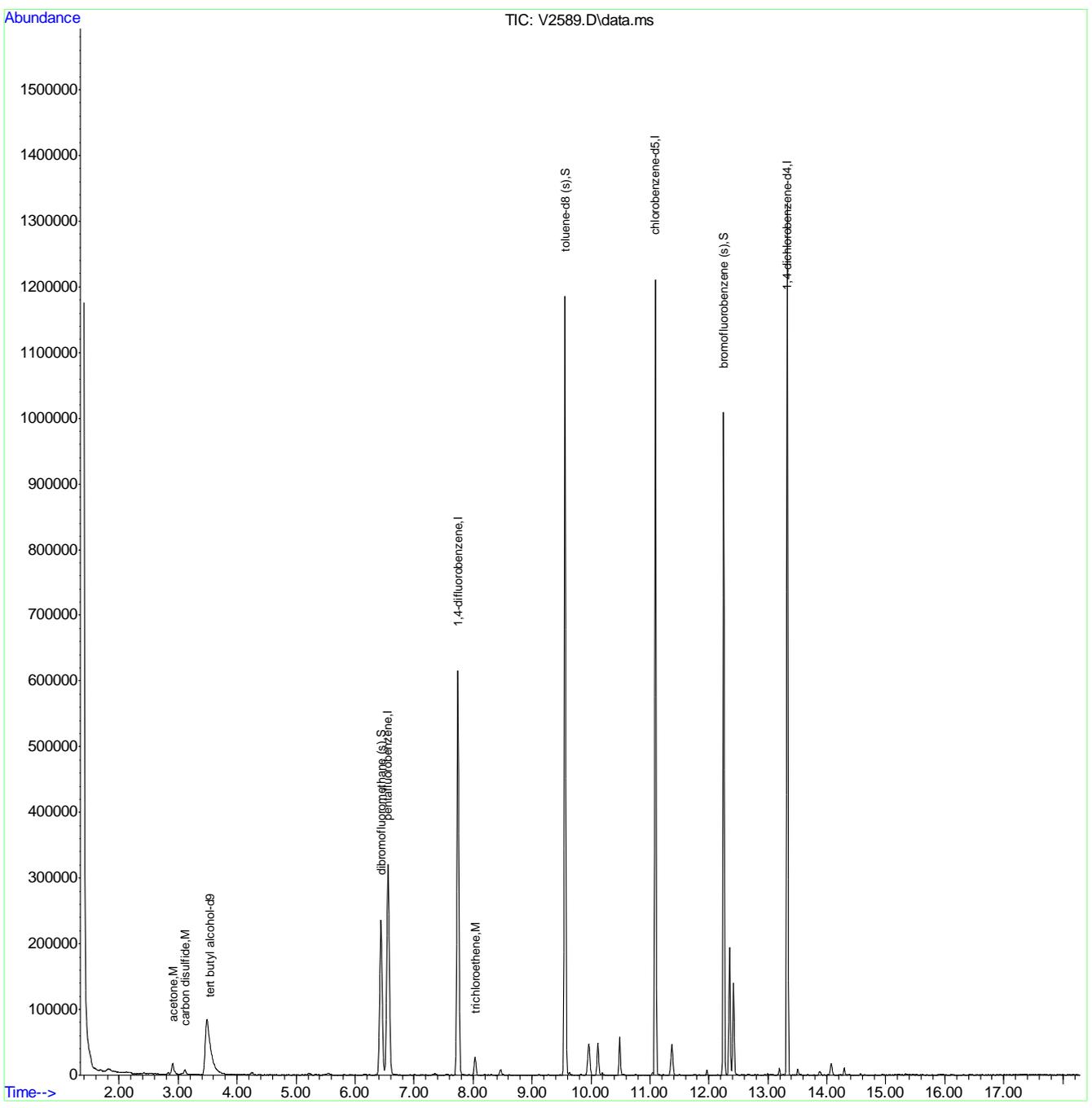
Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, etc.), System Monitoring Compounds (dibromofluoromethane, toluene-d8, etc.), and Target Compounds (acetone, carbon disulfide, etc.).

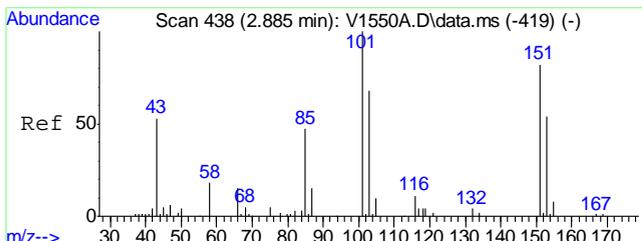
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2589.D
Acq On : 17 Oct 2011 3:15 pm
Operator : AMYM
Sample : mc4387-9
Misc : MS24148,MSV112,6.43,,,5,1
ALS Vial : 12 Sample Multiplier: 1

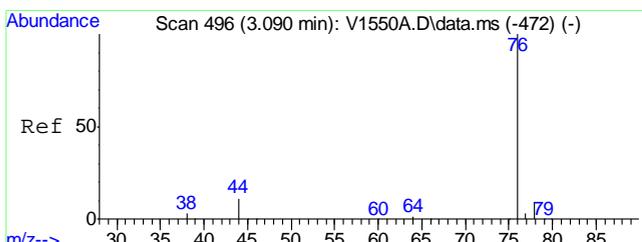
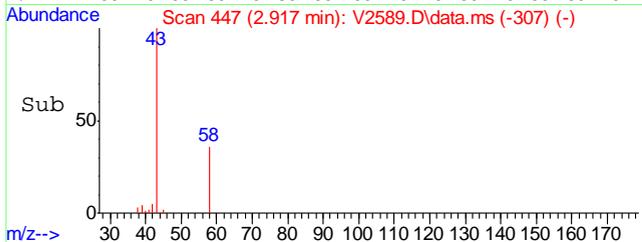
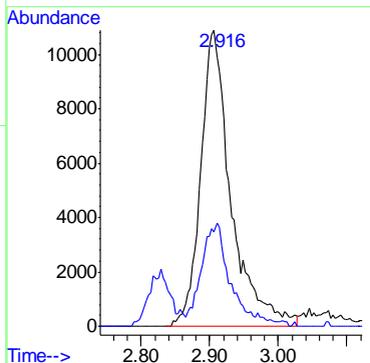
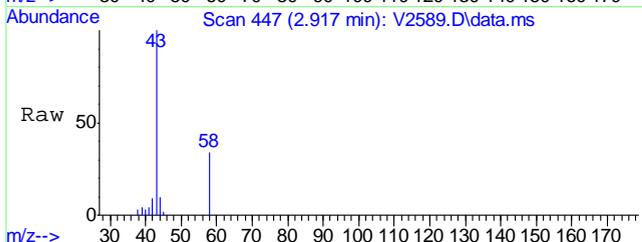
Quant Time: Oct 18 08:53:48 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





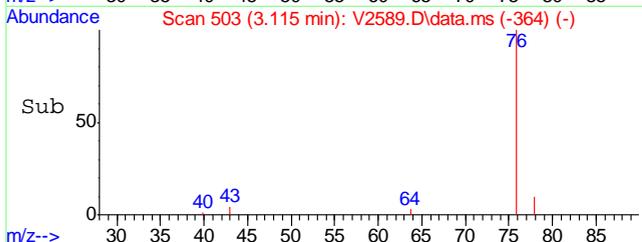
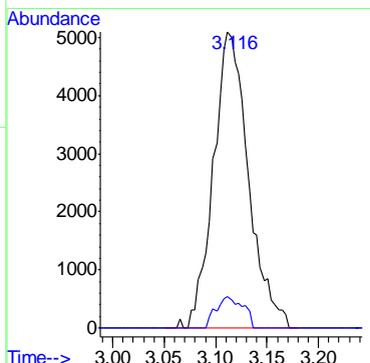
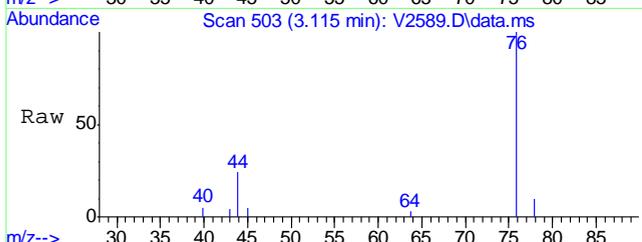
#16
acetone
Concen: 20.56 ug/L
RT: 2.916 min Scan# 447
Delta R.T. -0.005 min
Lab File: V2589.D
Acq: 17 Oct 2011 3:15 pm

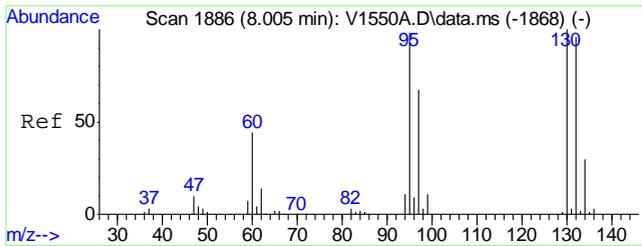
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 33362 | 100 | |
| 58 | 34.3 | 4.3 | 64.3 |



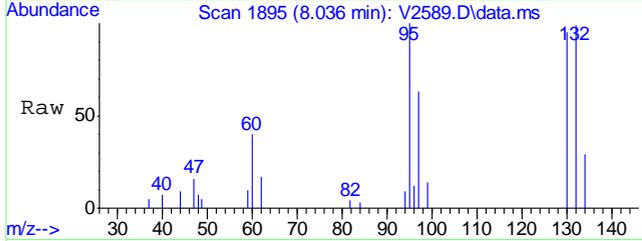
#24
carbon disulfide
Concen: 1.80 ug/L
RT: 3.116 min Scan# 503
Delta R.T. -0.007 min
Lab File: V2589.D
Acq: 17 Oct 2011 3:15 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 12065 | 100 | |
| 78 | 9.7 | 0.0 | 39.1 |

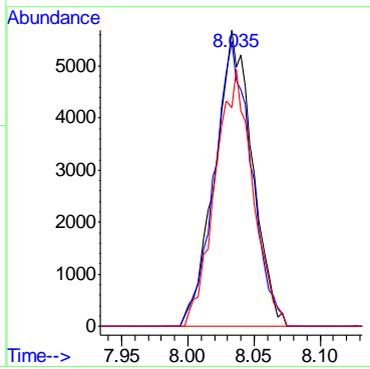
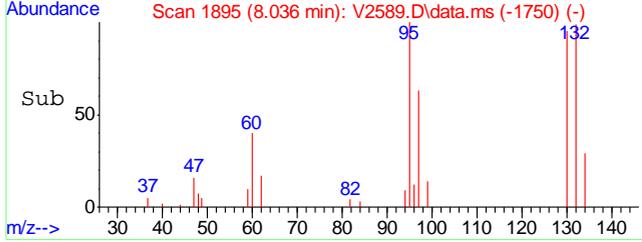




#51
 trichloroethene
 Concen: 2.35 ug/L
 RT: 8.035 min Scan# 1895
 Delta R.T. -0.009 min
 Lab File: V2589.D
 Acq: 17 Oct 2011 3:15 pm



| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 11240 | | |
| 130 | 94.8 | 71.8 | 131.8 |
| 132 | 99.2 | 67.7 | 127.7 |



6.19
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2603.D
Acq On : 17 Oct 2011 10:22 pm
Operator : AMYM
Sample : mc4387-10
Misc : MS24148,MSV114,7.18,,,5,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 18 09:21:21 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

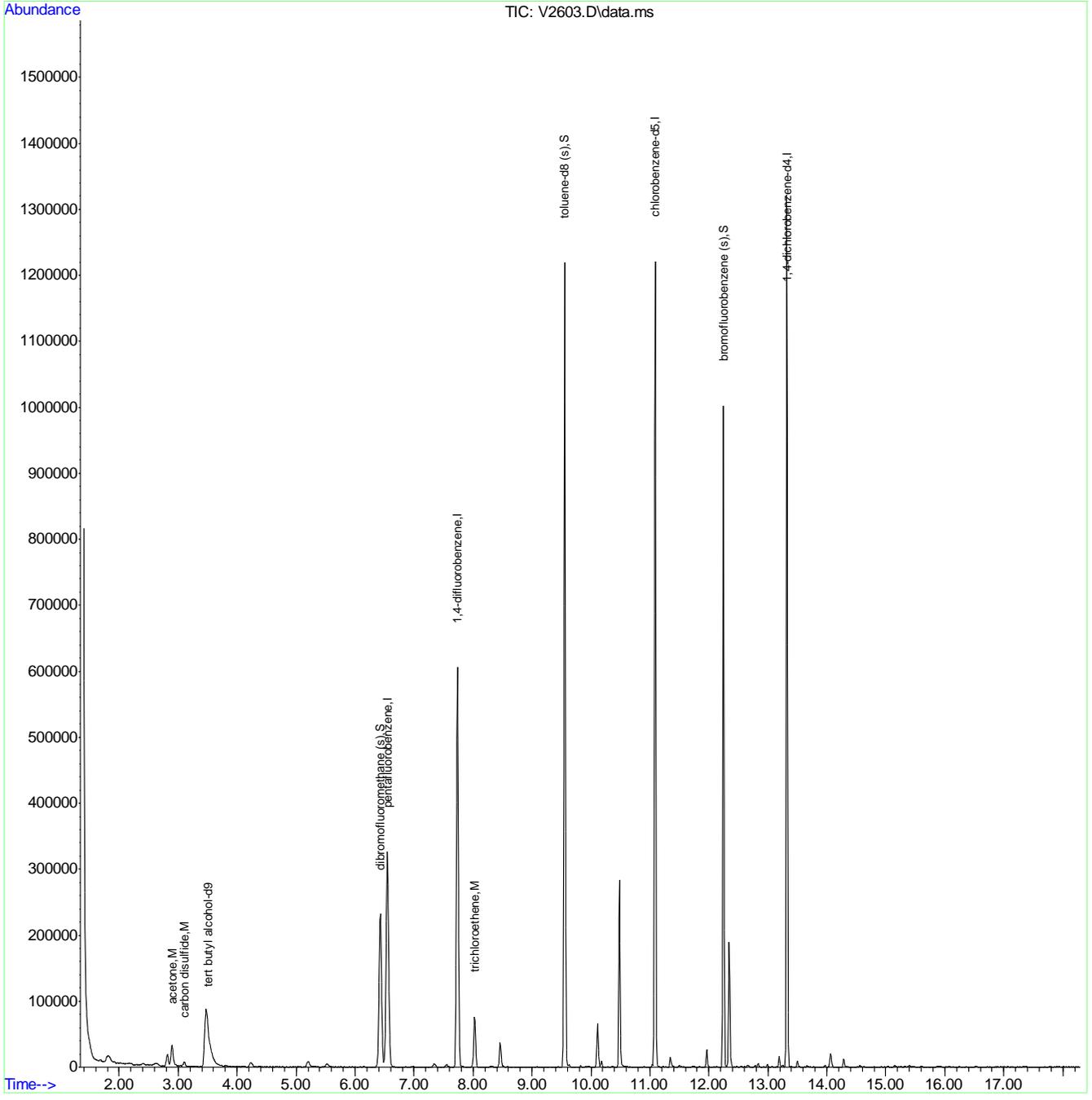
Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, etc.), System Monitoring Compounds (dibromofluoromethane, toluene-d8, etc.), and Target Compounds (acetone, carbon disulfide, etc.).

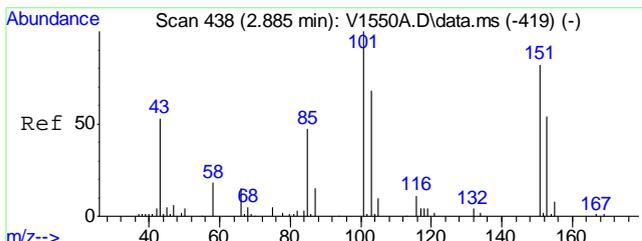
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2603.D
Acq On : 17 Oct 2011 10:22 pm
Operator : AMYM
Sample : mc4387-10
Misc : MS24148,MSV114,7.18,,,5,1
ALS Vial : 25 Sample Multiplier: 1

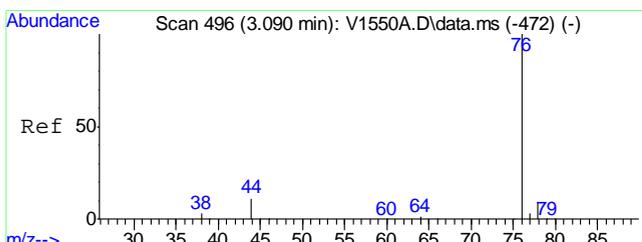
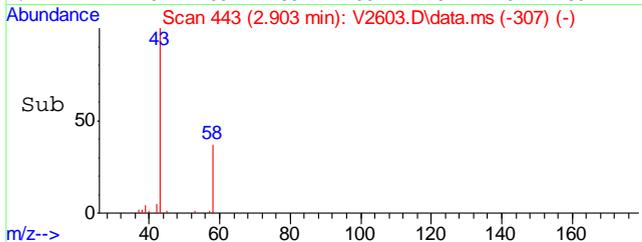
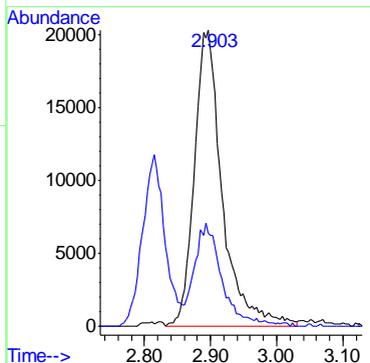
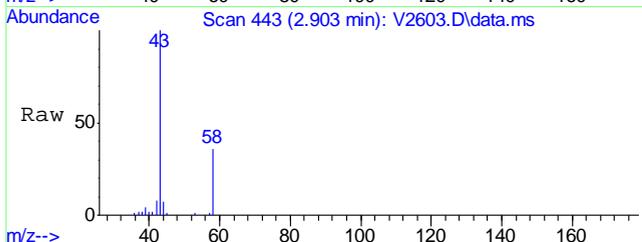
Quant Time: Oct 18 09:21:21 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





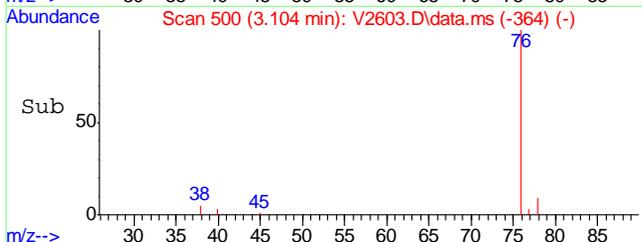
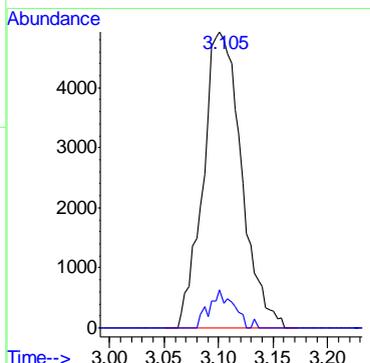
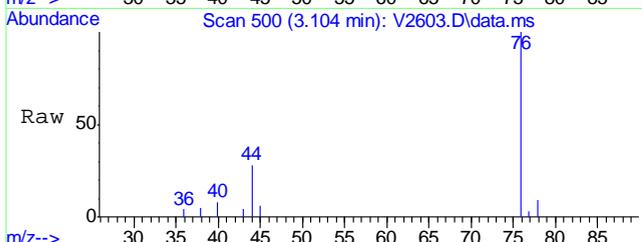
#16
acetone
Concen: 42.43 ug/L
RT: 2.903 min Scan# 443
Delta R.T. -0.018 min
Lab File: V2603.D
Acq: 17 Oct 2011 10:22 pm

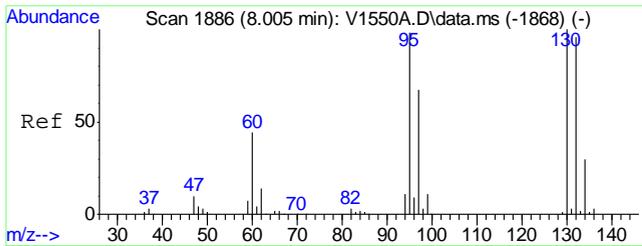
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 59378 | 100 | |
| 58 | 35.9 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 1.77 ug/L
RT: 3.105 min Scan# 500
Delta R.T. -0.018 min
Lab File: V2603.D
Acq: 17 Oct 2011 10:22 pm

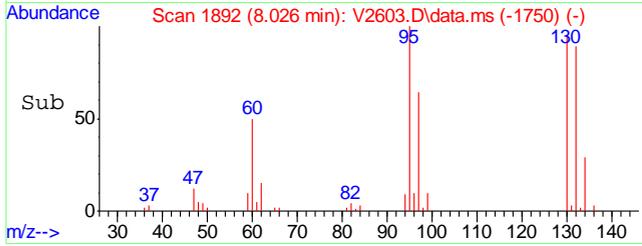
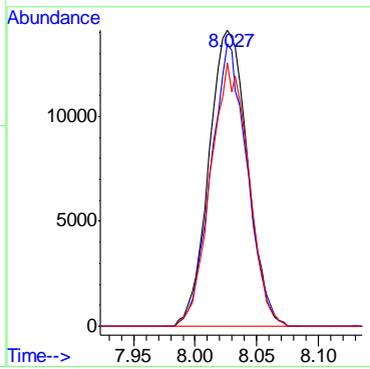
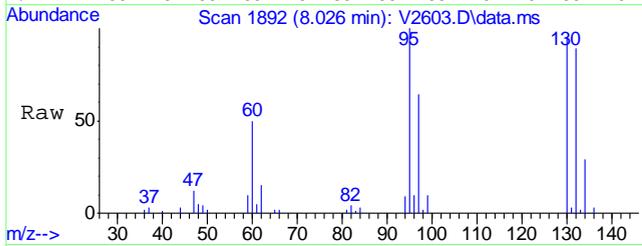
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 12009 | 100 | |
| 78 | 8.7 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 6.30 ug/L
 RT: 8.027 min Scan# 1892
 Delta R.T. -0.017 min
 Lab File: V2603.D
 Acq: 17 Oct 2011 10:22 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 30624 | | |
| 130 | 95.4 | 71.8 | 131.8 |
| 132 | 89.1 | 67.7 | 127.7 |



6.1.10
 9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2604.D
Acq On : 17 Oct 2011 10:52 pm
Operator : AMYM
Sample : mc4387-11
Misc : MS24148,MSV114,6.76,,,5,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 09:22:07 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide, trichloroethene).

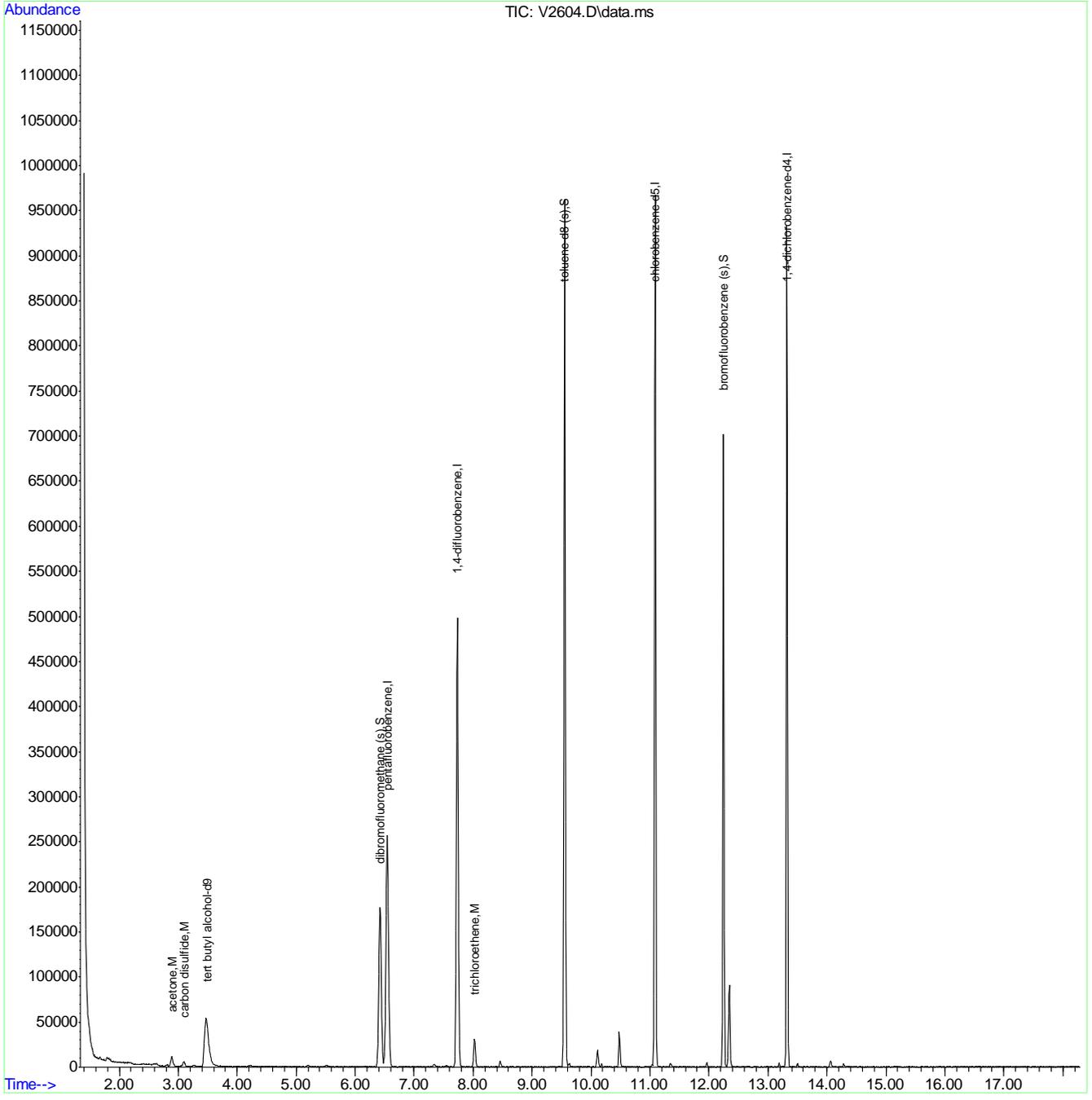
(#) = qualifier out of range (m) = manual integration (+) = signals summed

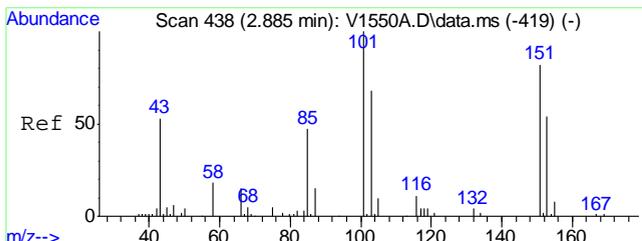
6.1.11
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2604.D
Acq On : 17 Oct 2011 10:52 pm
Operator : AMYM
Sample : mc4387-11
Misc : MS24148,MSV114,6.76,,,5,1
ALS Vial : 26 Sample Multiplier: 1

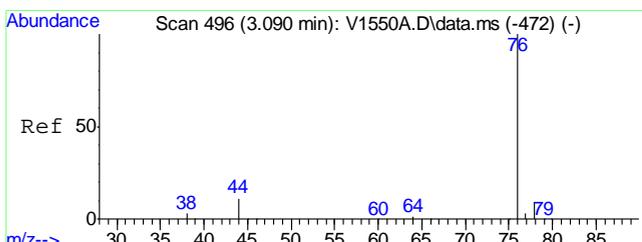
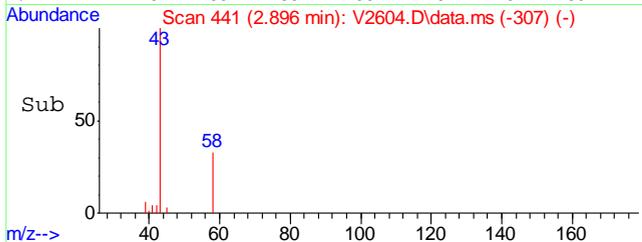
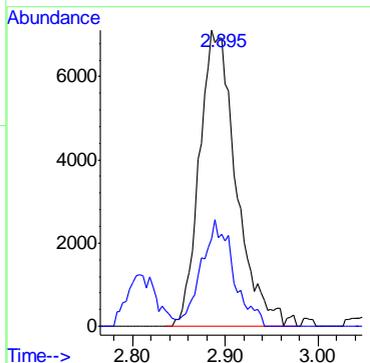
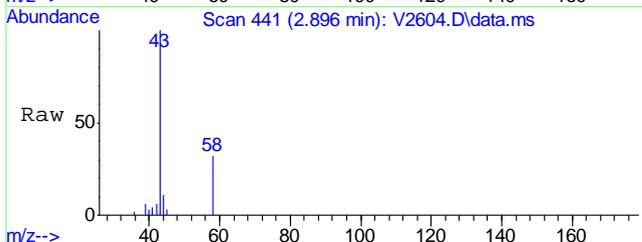
Quant Time: Oct 18 09:22:07 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





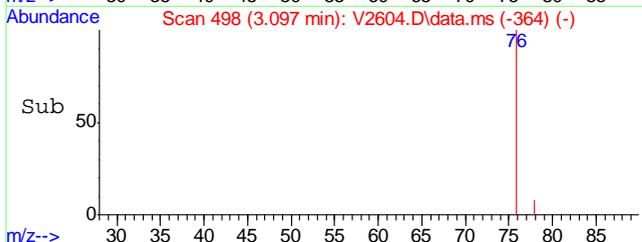
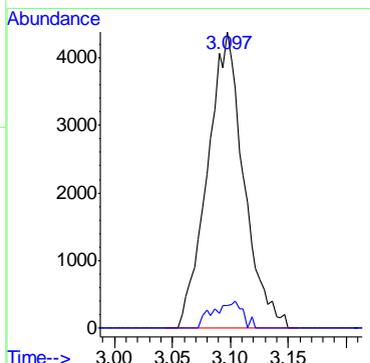
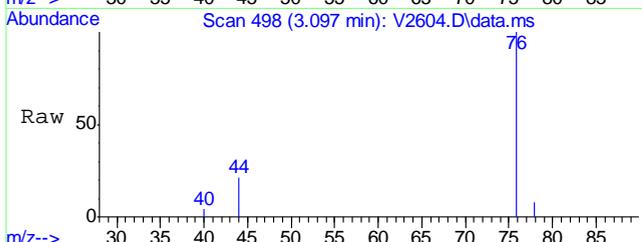
#16
acetone
Concen: 12.02 ug/L
RT: 2.895 min Scan# 441
Delta R.T. -0.026 min
Lab File: V2604.D
Acq: 17 Oct 2011 10:52 pm

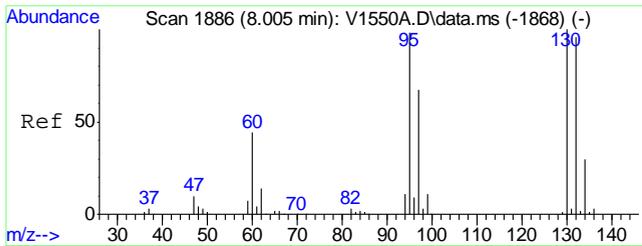
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 19483 | 100 | |
| 58 | 31.9 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 1.77 ug/L
RT: 3.097 min Scan# 498
Delta R.T. -0.026 min
Lab File: V2604.D
Acq: 17 Oct 2011 10:52 pm

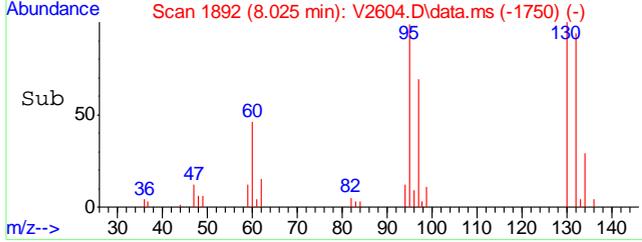
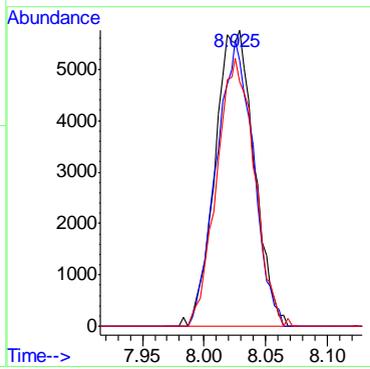
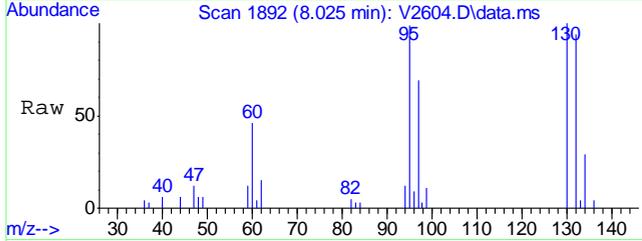
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 76 | 9507 | 100 | |
| 78 | 7.6 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 3.22 ug/L
 RT: 8.025 min Scan# 1892
 Delta R.T. -0.019 min
 Lab File: V2604.D
 Acq: 17 Oct 2011 10:52 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 12620 | | |
| 95 | 100 | | |
| 130 | 100.8 | 71.8 | 131.8 |
| 132 | 94.4 | 67.7 | 127.7 |



6.1.11
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2605.D
Acq On : 17 Oct 2011 11:23 pm
Operator : AMYM
Sample : mc4387-12
Misc : MS24148,MSV114,6.21,,,5,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 09:22:51 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (carbon disulfide).

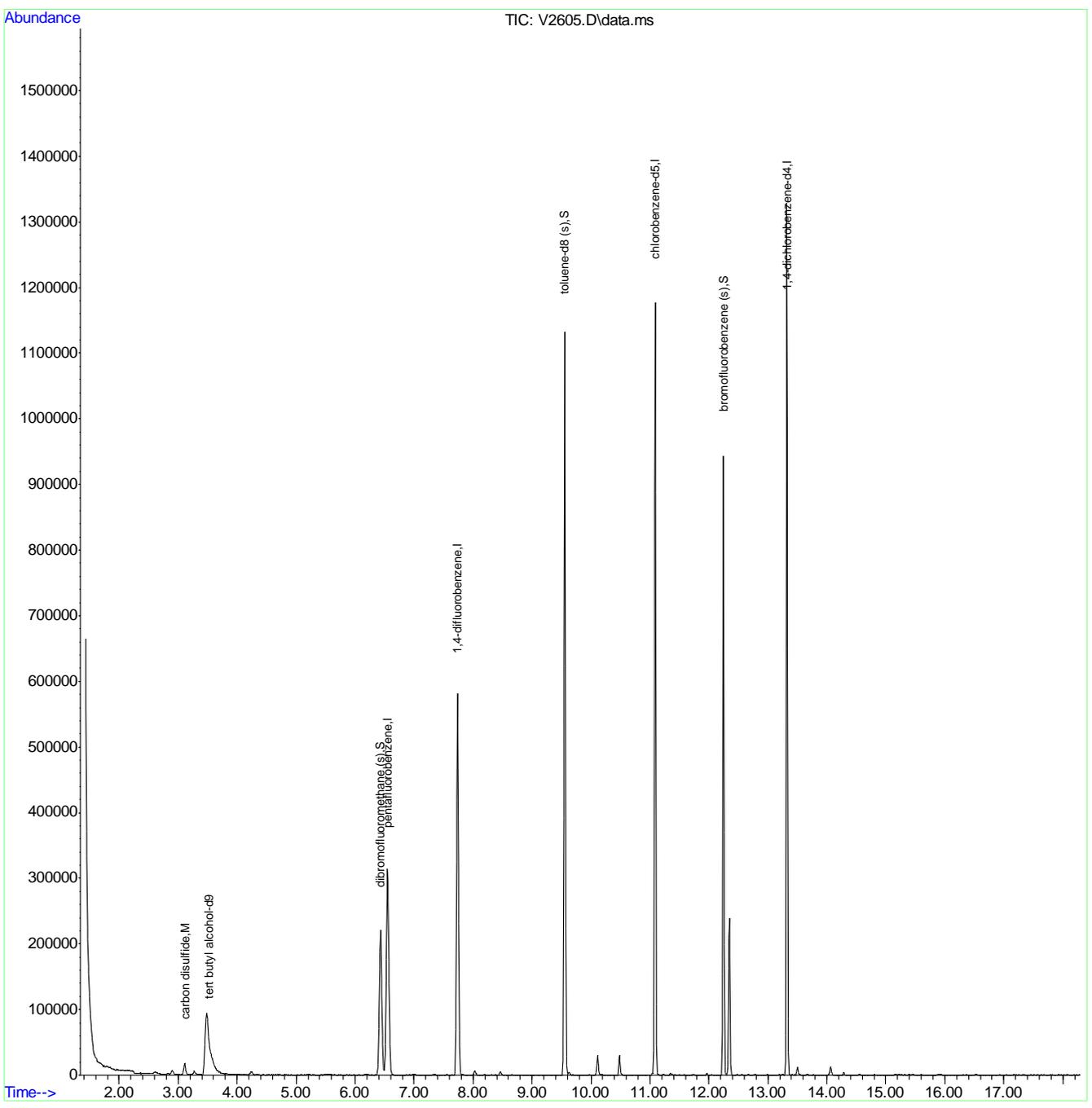
(#) = qualifier out of range (m) = manual integration (+) = signals summed

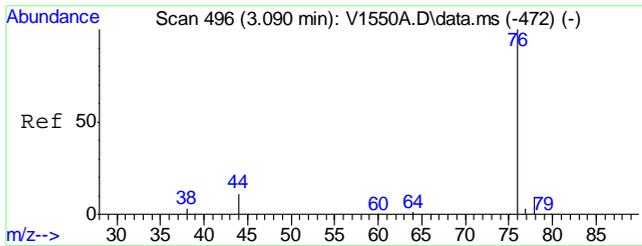
6.1.12
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2605.D
Acq On : 17 Oct 2011 11:23 pm
Operator : AMYM
Sample : mc4387-12
Misc : MS24148,MSV114,6.21,,,5,1
ALS Vial : 27 Sample Multiplier: 1

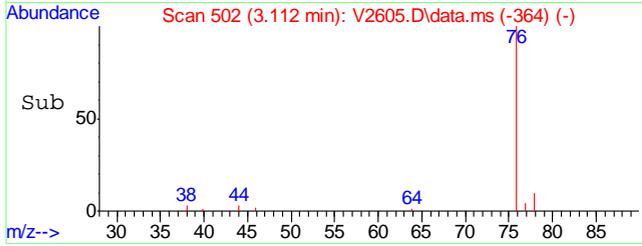
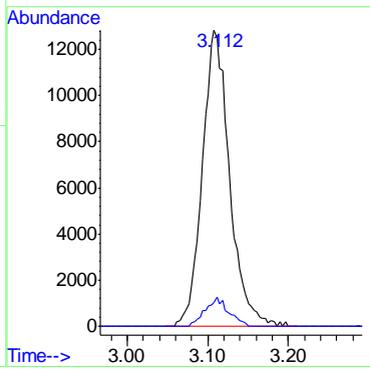
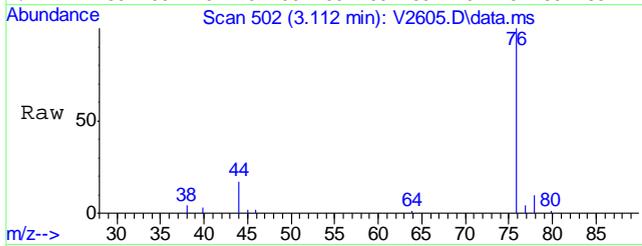
Quant Time: Oct 18 09:22:51 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





#24
 carbon disulfide
 Concen: 2.99 ug/L
 RT: 3.112 min Scan# 502
 Delta R.T. -0.011 min
 Lab File: V2605.D
 Acq: 17 Oct 2011 11:23 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 30105 | | |
| 76 | 100 | | |
| 78 | 10.2 | 0.0 | 39.1 |



6.1.12
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2606.D
Acq On : 17 Oct 2011 11:53 pm
Operator : AMYM
Sample : mc4387-13
Misc : MS24148,MSV114,6.49,,,5,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 18 09:23:41 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

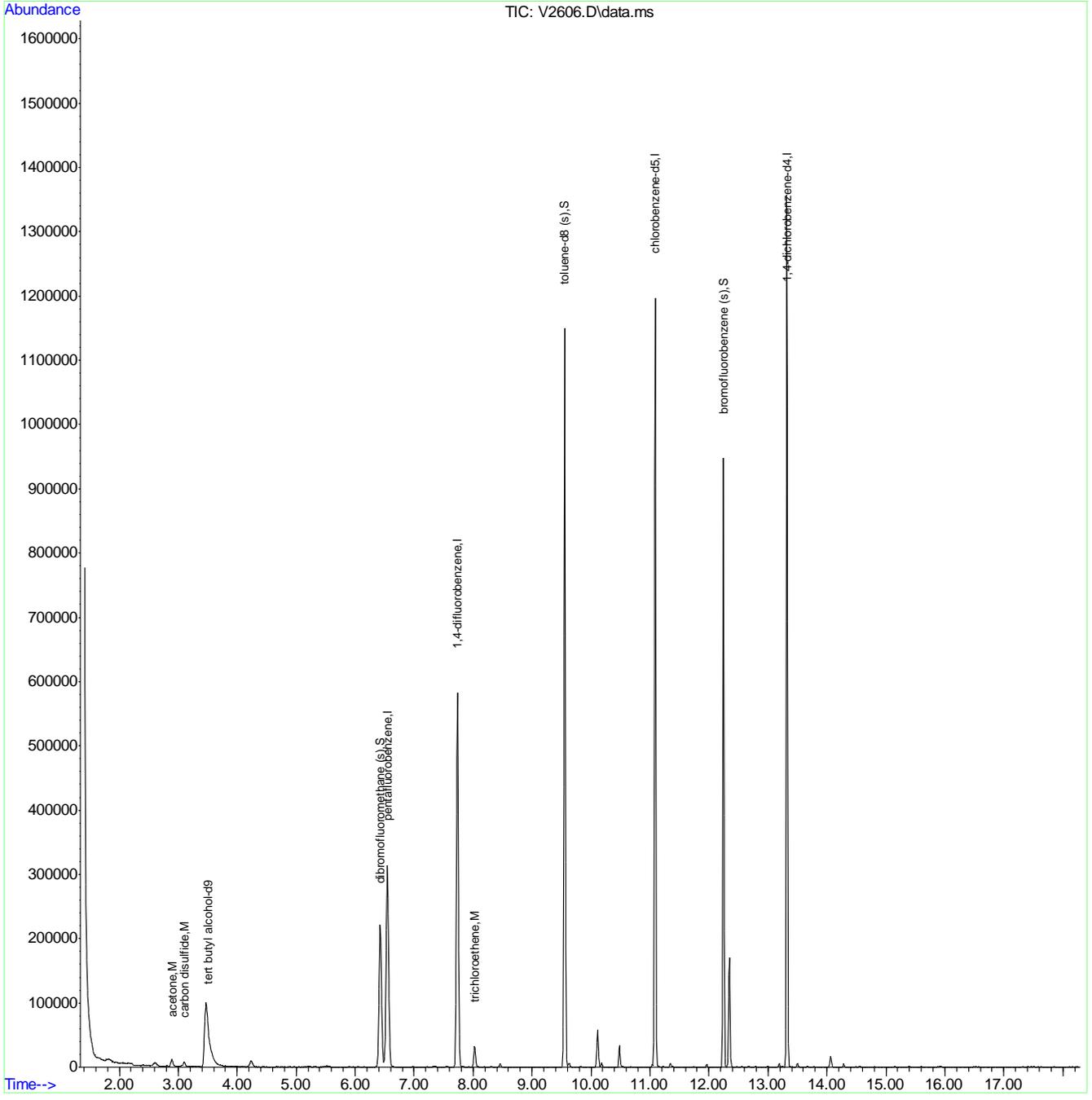
Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide, trichloroethene).

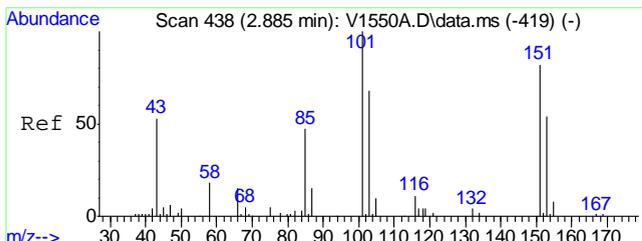
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2606.D
Acq On : 17 Oct 2011 11:53 pm
Operator : AMYM
Sample : mc4387-13
Misc : MS24148,MSV114,6.49,,,5,1
ALS Vial : 28 Sample Multiplier: 1

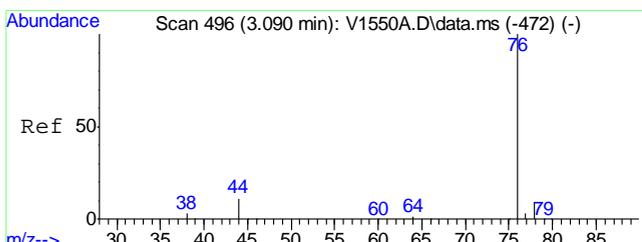
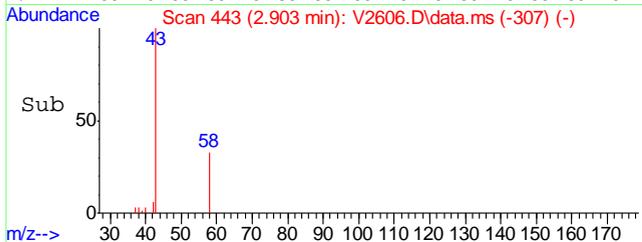
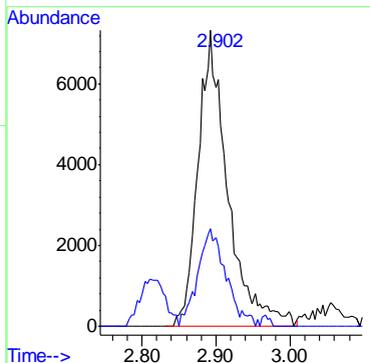
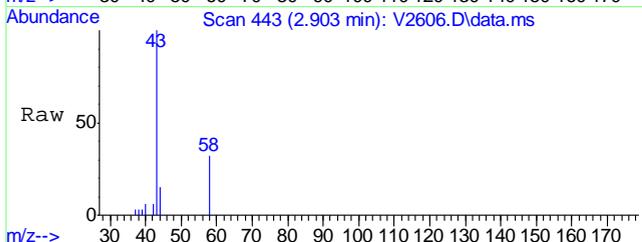
Quant Time: Oct 18 09:23:41 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





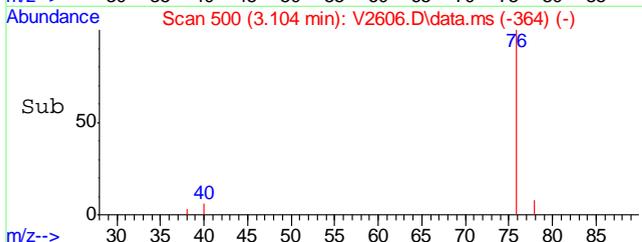
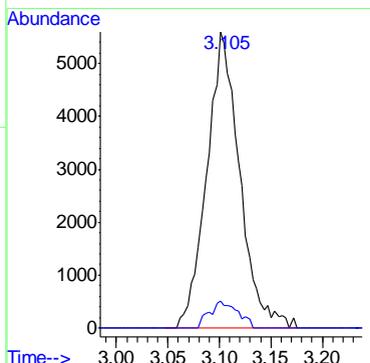
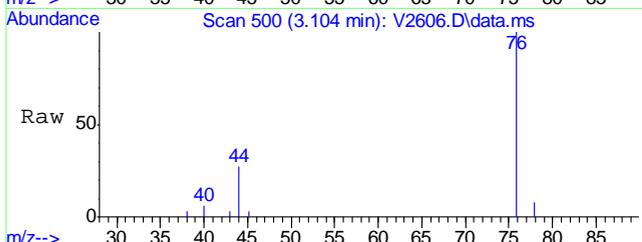
#16
acetone
Concen: 9.35 ug/L
RT: 2.902 min Scan# 443
Delta R.T. -0.019 min
Lab File: V2606.D
Acq: 17 Oct 2011 11:53 pm

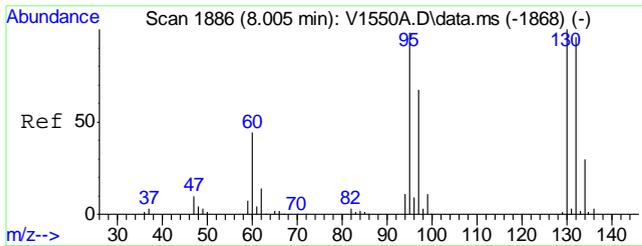
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 20338 | 100 | |
| 58 | 32.3 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 1.84 ug/L
RT: 3.105 min Scan# 500
Delta R.T. -0.018 min
Lab File: V2606.D
Acq: 17 Oct 2011 11:53 pm

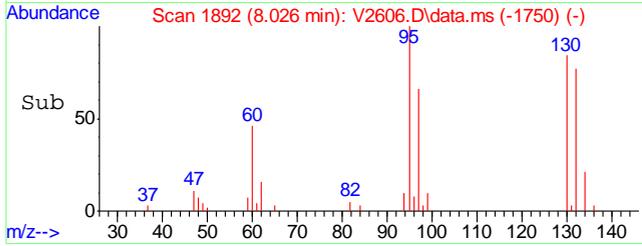
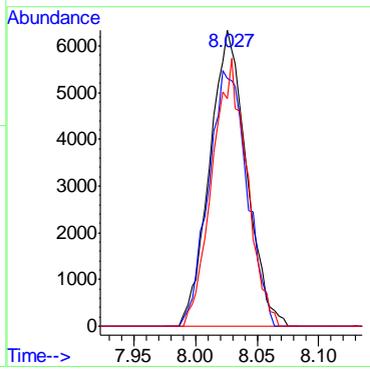
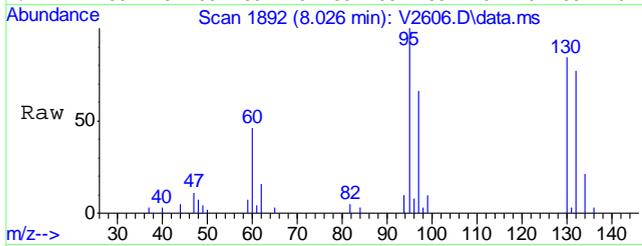
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 12434 | 100 | |
| 78 | 8.1 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 2.85 ug/L
 RT: 8.027 min Scan# 1892
 Delta R.T. -0.017 min
 Lab File: V2606.D
 Acq: 17 Oct 2011 11:53 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 13097 | | |
| 95 | 100 | | |
| 130 | 83.8 | 71.8 | 131.8 |
| 132 | 77.0 | 67.7 | 127.7 |



6.1.13
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2594.D
Acq On : 17 Oct 2011 5:47 pm
Operator : AMYM
Sample : mc4387-14
Misc : MS24148,MSV112,6.21,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 18 08:59:02 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|-----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.520 | 65 | 171041 | 500.00 | ug/L | #-0.03 |
| 4) pentafluorobenzene | 6.554 | 168 | 287103 | 50.00 | ug/L | -0.02 |
| 43) 1,4-difluorobenzene | 7.740 | 114 | 518569 | 50.00 | ug/L | -0.01 |
| 66) chlorobenzene-d5 | 11.090 | 82 | 290501 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 248583 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.433 | 113 | 190382 | 53.73 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 107.46% |
| 60) toluene-d8 (s) | 9.557 | 98 | 656262 | 49.47 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.94% |
| 82) bromofluorobenzene (s) | 12.247 | 95 | 242544 | 50.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.08% |
| Target Compounds | | | | | | |
| 24) carbon disulfide | 3.109 | 76 | 33012 | 3.39 | ug/L | Qvalue 99 |

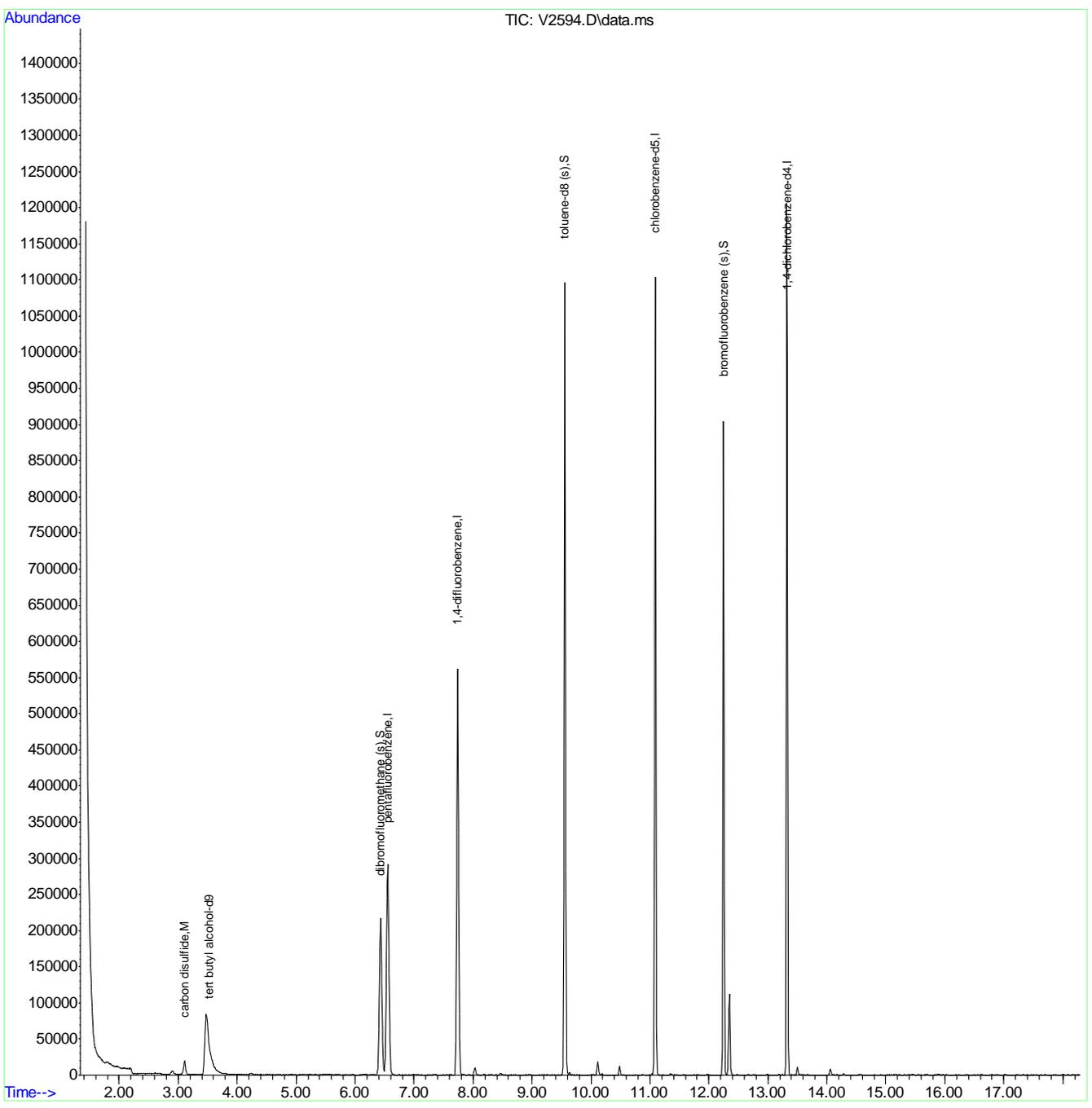
(#) = qualifier out of range (m) = manual integration (+) = signals summed

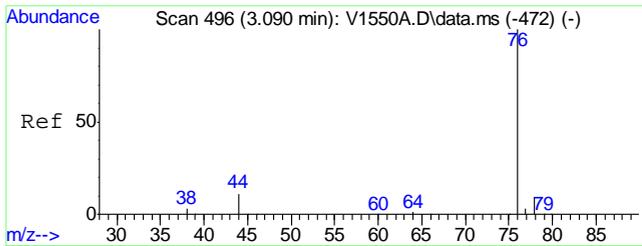
6.1.14
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2594.D
Acq On : 17 Oct 2011 5:47 pm
Operator : AMYM
Sample : mc4387-14
Misc : MS24148,MSV112,6.21,,,5,1
ALS Vial : 17 Sample Multiplier: 1

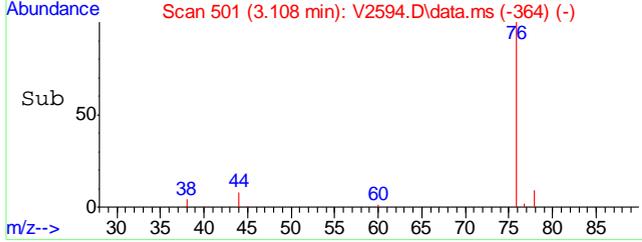
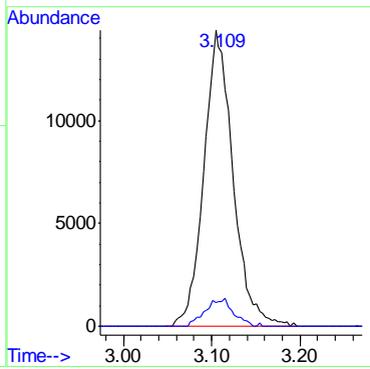
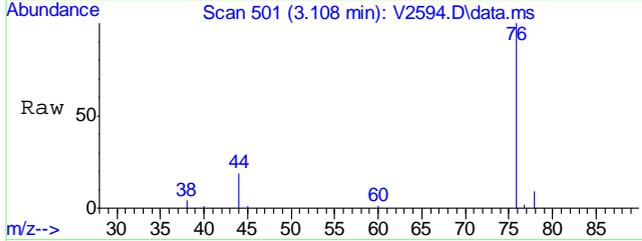
Quant Time: Oct 18 08:59:02 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





#24
 carbon disulfide
 Concen: 3.39 ug/L
 RT: 3.109 min Scan# 501
 Delta R.T. -0.014 min
 Lab File: V2594.D
 Acq: 17 Oct 2011 5:47 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 33012 | | |
| 76 | 100 | | |
| 78 | 8.8 | 0.0 | 39.1 |



6.1.14
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2607.D
Acq On : 18 Oct 2011 12:24 am
Operator : AMYM
Sample : mc4387-15
Misc : MS24148,MSV114,4.29,,,5,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 18 09:24:26 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.505 | 65 | 198510 | 500.00 | ug/L | #-0.04 | |
| 4) pentafluorobenzene | 6.549 | 168 | 230968 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.736 | 114 | 414771 | 50.00 | ug/L | -0.02 | |
| 66) chlorobenzene-d5 | 11.087 | 82 | 234816 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 201805 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.428 | 113 | 153888 | 53.99 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 107.98% | |
| 60) toluene-d8 (s) | 9.554 | 98 | 530520 | 49.99 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.98% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 196972 | 50.06 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.12% | |
| Target Compounds | | | | | | | |
| 24) carbon disulfide | 3.105 | 76 | 19709 | 2.78 | ug/L | | Qvalue 99 |

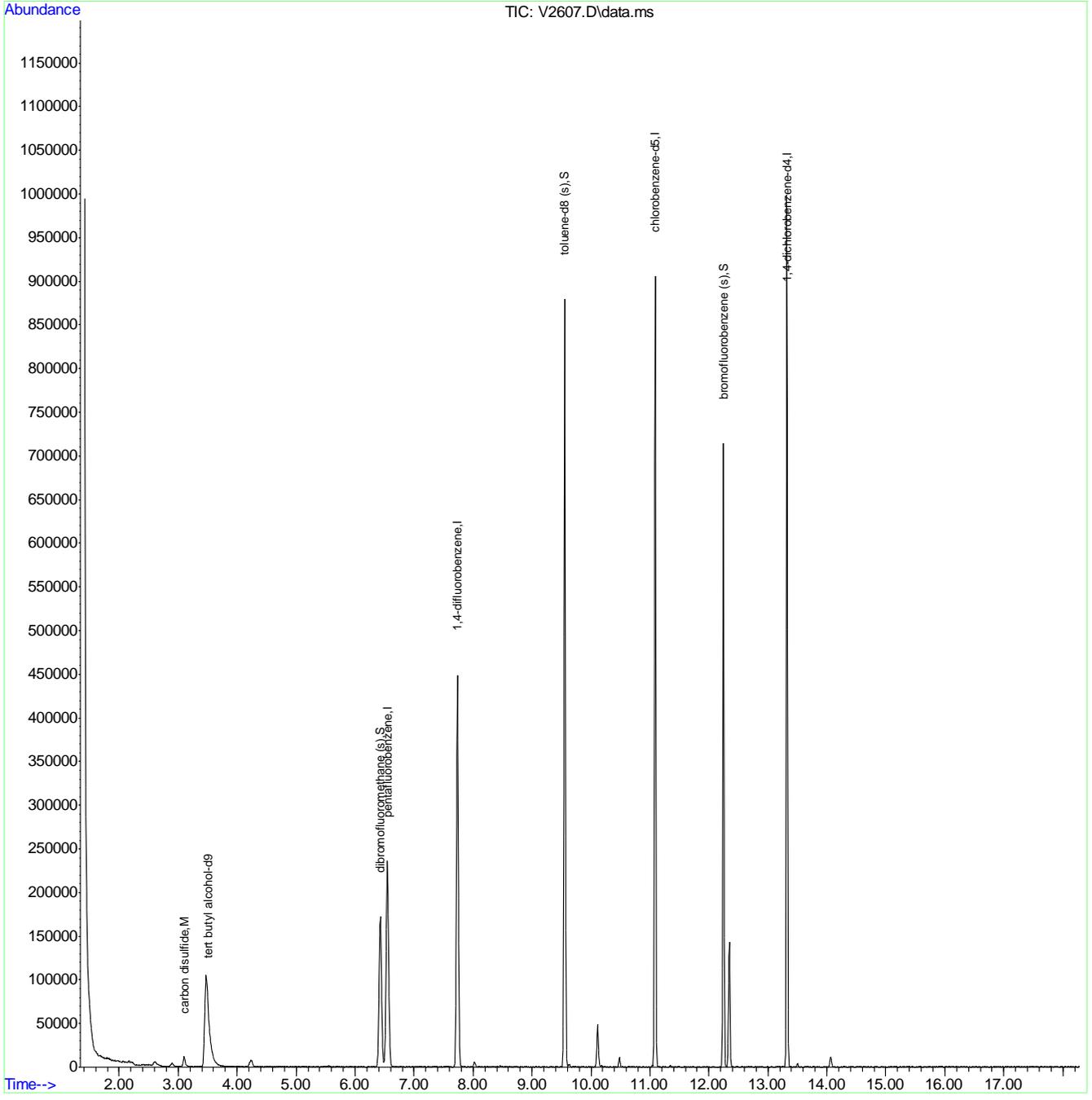
(#) = qualifier out of range (m) = manual integration (+) = signals summed

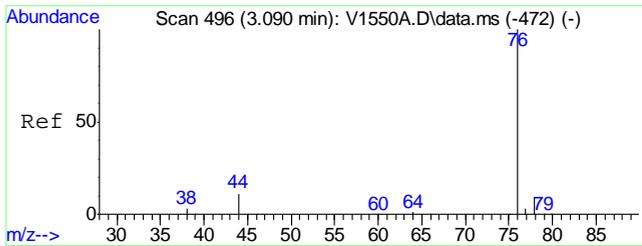
6.1.15
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2607.D
Acq On : 18 Oct 2011 12:24 am
Operator : AMYM
Sample : mc4387-15
Misc : MS24148,MSV114,4.29,,,5,1
ALS Vial : 29 Sample Multiplier: 1

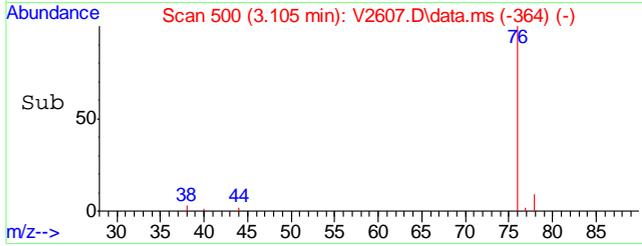
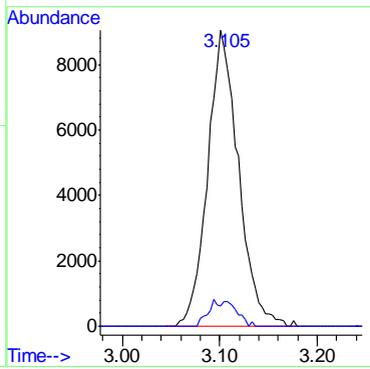
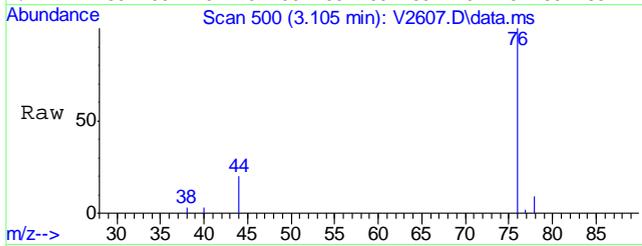
Quant Time: Oct 18 09:24:26 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





#24
carbon disulfide
Concen: 2.78 ug/L
RT: 3.105 min Scan# 500
Delta R.T. -0.018 min
Lab File: V2607.D
Acq: 18 Oct 2011 12:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 19709 | | |
| 76 | 100 | | |
| 78 | 8.8 | 0.0 | 39.1 |



6.1.15
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2608.D
Acq On : 18 Oct 2011 12:54 am
Operator : AMYM
Sample : mc4387-16
Misc : MS24148,MSV114,6.28,,,5,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 18 09:25:08 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide).

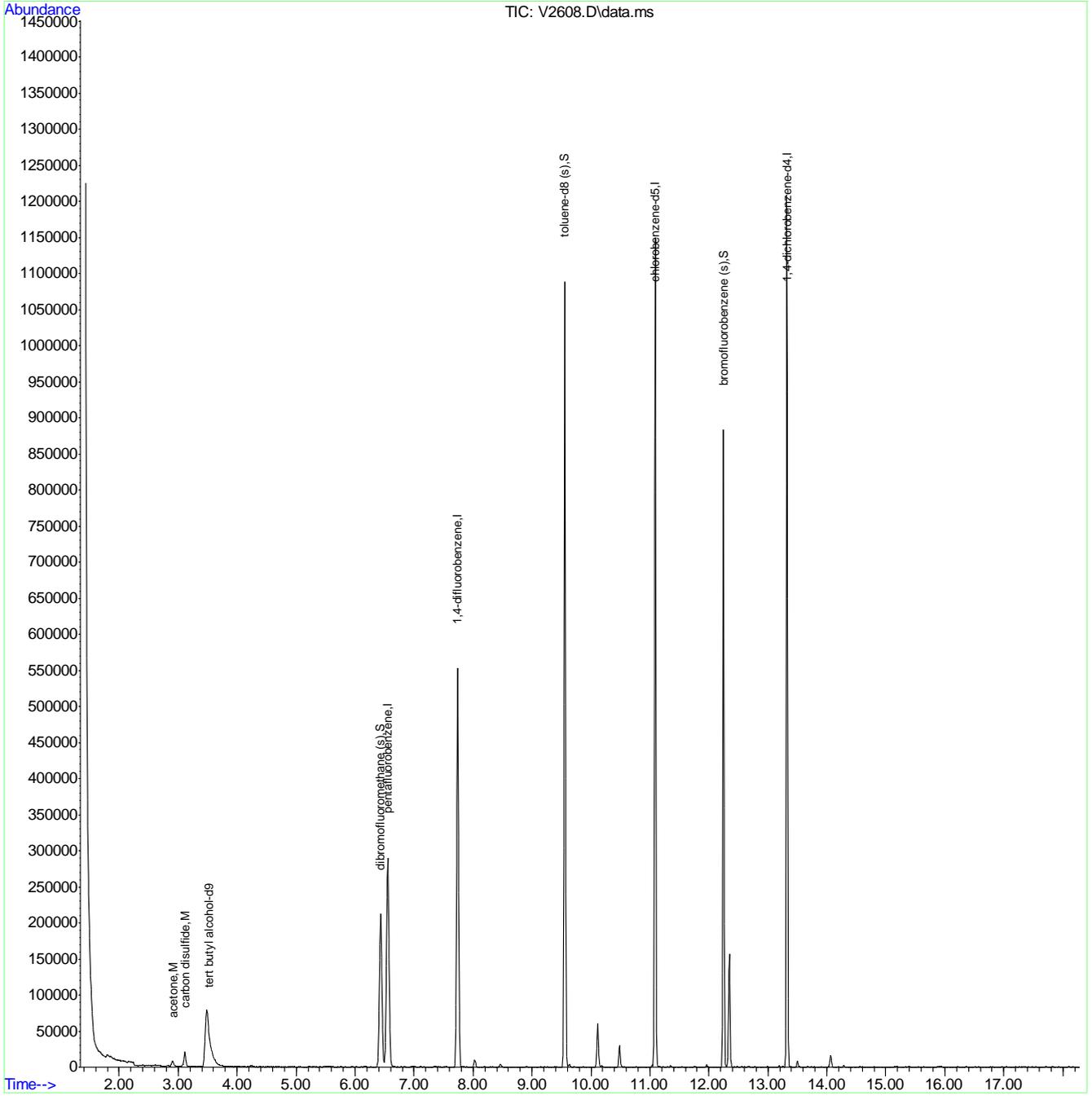
(#) = qualifier out of range (m) = manual integration (+) = signals summed

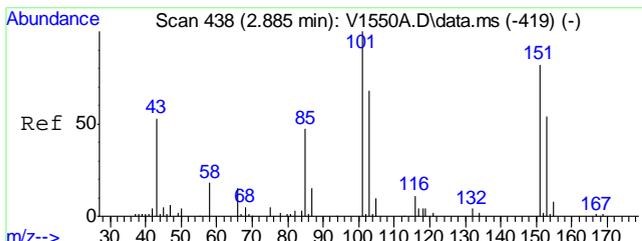
6.1.16
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2608.D
Acq On : 18 Oct 2011 12:54 am
Operator : AMYM
Sample : mc4387-16
Misc : MS24148,MSV114,6.28,,,5,1
ALS Vial : 30 Sample Multiplier: 1

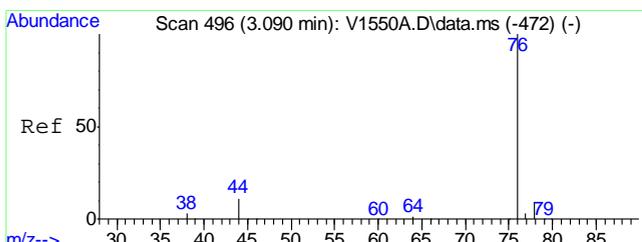
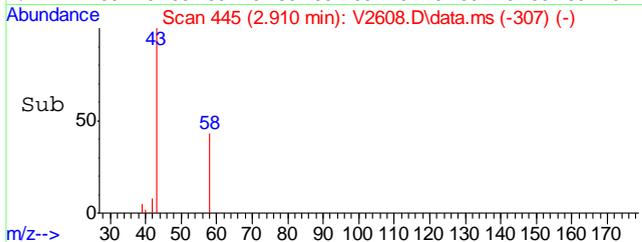
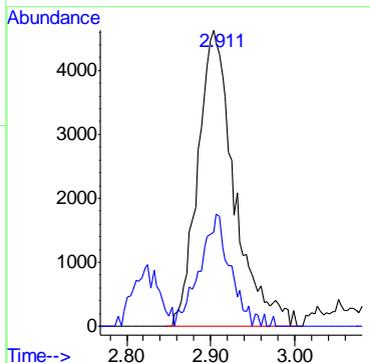
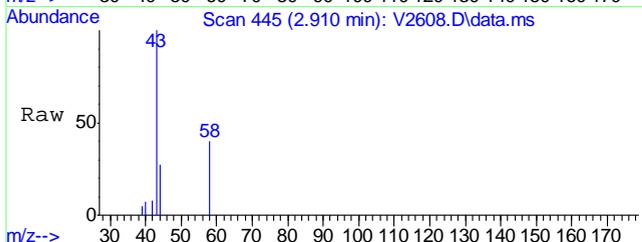
Quant Time: Oct 18 09:25:08 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





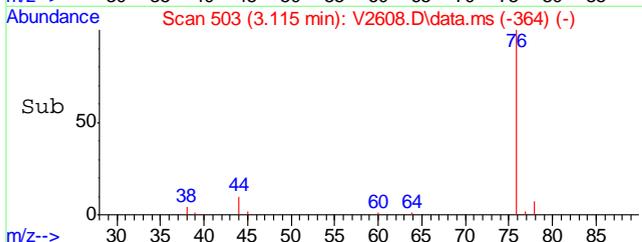
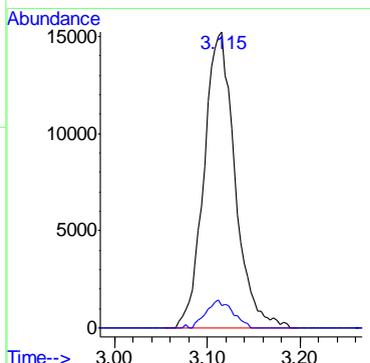
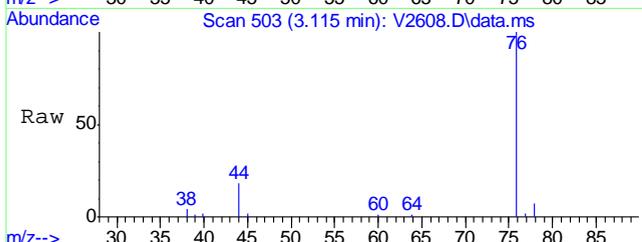
#16
acetone
Concen: 4.59 ug/L
RT: 2.911 min Scan# 445
Delta R.T. -0.010 min
Lab File: V2608.D
Acq: 18 Oct 2011 12:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 13907 | 100 | |
| 58 | 40.1 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 3.54 ug/L
RT: 3.115 min Scan# 503
Delta R.T. -0.008 min
Lab File: V2608.D
Acq: 18 Oct 2011 12:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 35231 | 100 | |
| 78 | 7.4 | 0.0 | 39.1 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2609.D
Acq On : 18 Oct 2011 1:24 am
Operator : AMYM
Sample : mc4387-17
Misc : MS24148,MSV114,7.04,,,5,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 18 09:25:54 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

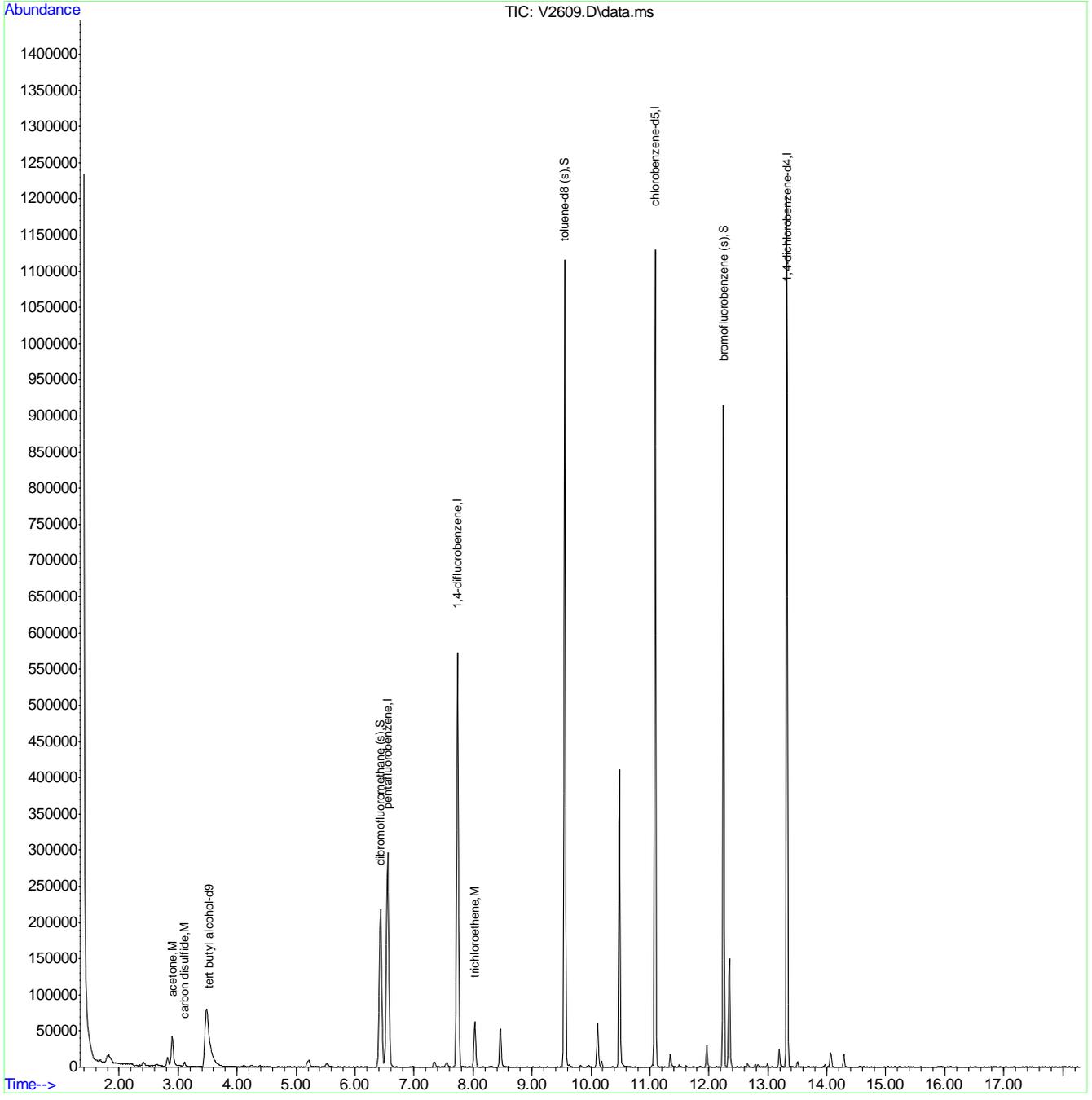
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.518 | 65 | 162116 | 500.00 | ug/L | #-0.03 | |
| 4) pentafluorobenzene | 6.552 | 168 | 291900 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.737 | 114 | 527717 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.087 | 82 | 302264 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 246557 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.431 | 113 | 191729 | 53.22 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 106.44% | |
| 60) toluene-d8 (s) | 9.555 | 98 | 671835 | 49.76 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.52% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 251988 | 52.42 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.84% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.906 | 43 | 74984 | 64.77 | ug/L | 99 | Qvalue |
| 24) carbon disulfide | 3.109 | 76 | 9259 | 1.68 | ug/L | 100 | |
| 51) trichloroethene | 8.028 | 95 | 24715 | 5.62 | ug/L | 87 | |

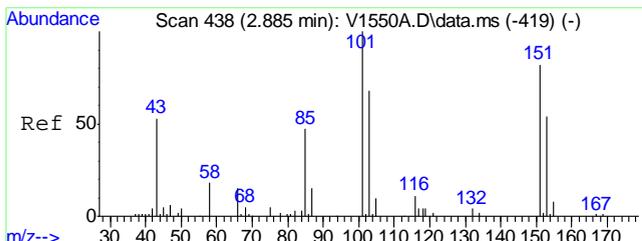
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2609.D
Acq On : 18 Oct 2011 1:24 am
Operator : AMYM
Sample : mc4387-17
Misc : MS24148,MSV114,7.04,,,5,1
ALS Vial : 31 Sample Multiplier: 1

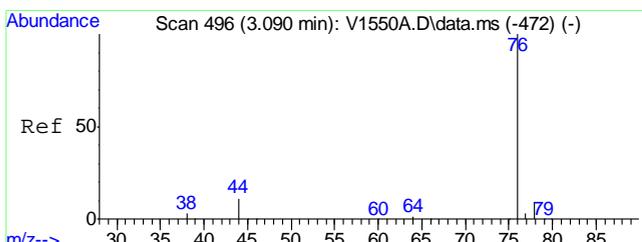
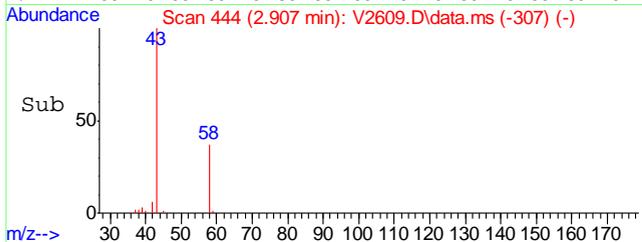
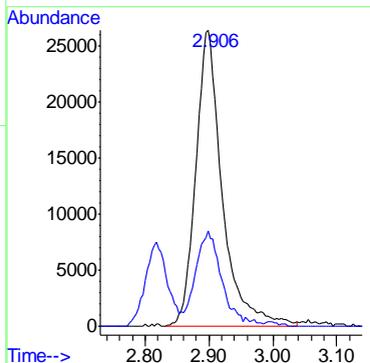
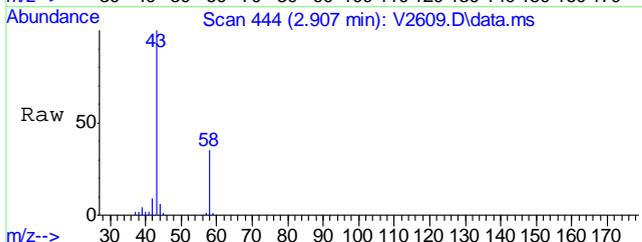
Quant Time: Oct 18 09:25:54 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





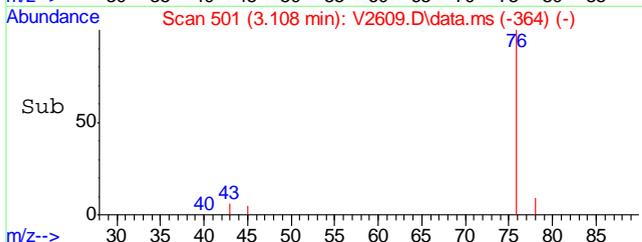
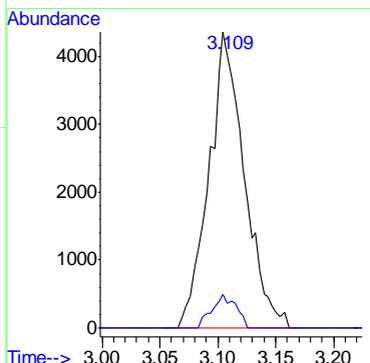
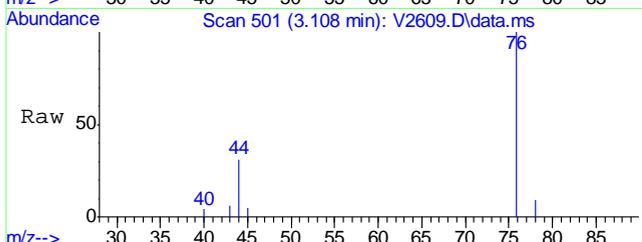
#16
acetone
Concen: 64.77 ug/L
RT: 2.906 min Scan# 444
Delta R.T. -0.015 min
Lab File: V2609.D
Acq: 18 Oct 2011 1:24 am

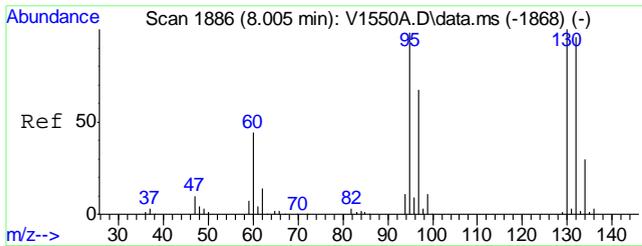
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 74984 | 100 | |
| 58 | 35.1 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 1.68 ug/L
RT: 3.109 min Scan# 501
Delta R.T. -0.014 min
Lab File: V2609.D
Acq: 18 Oct 2011 1:24 am

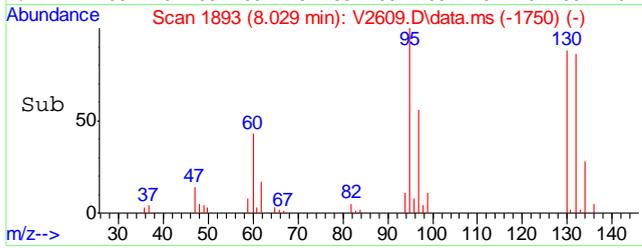
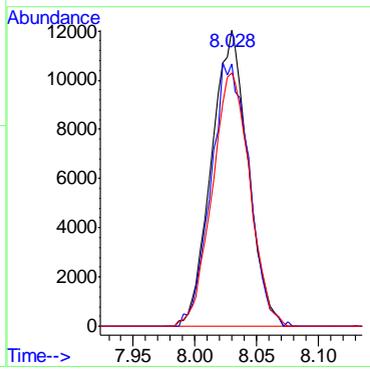
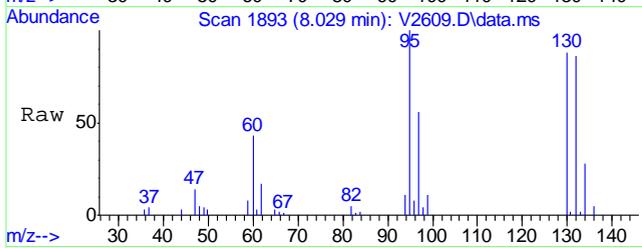
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 76 | 9259 | 100 | |
| 78 | 9.3 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 5.62 ug/L
 RT: 8.028 min Scan# 1893
 Delta R.T. -0.016 min
 Lab File: V2609.D
 Acq: 18 Oct 2011 1:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 24715 | | |
| 95 | 100 | | |
| 130 | 88.5 | 71.8 | 131.8 |
| 132 | 85.7 | 67.7 | 127.7 |



6.1.17
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2610.D
Acq On : 18 Oct 2011 1:54 am
Operator : AMYM
Sample : mc4387-18
Misc : MS24148,MSV114,6.39,,,5,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 18 09:26:36 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, carbon disulfide).

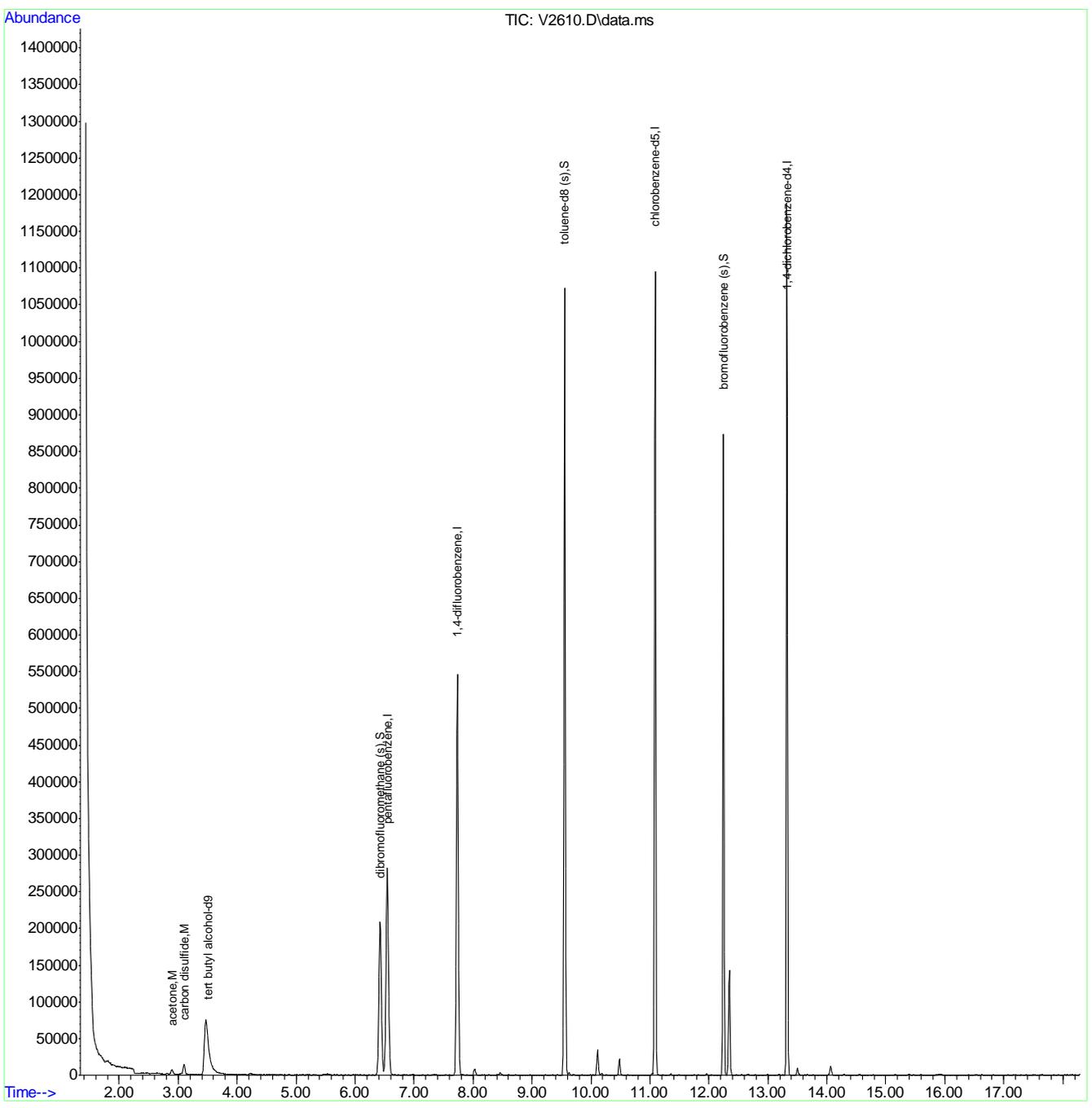
(#) = qualifier out of range (m) = manual integration (+) = signals summed

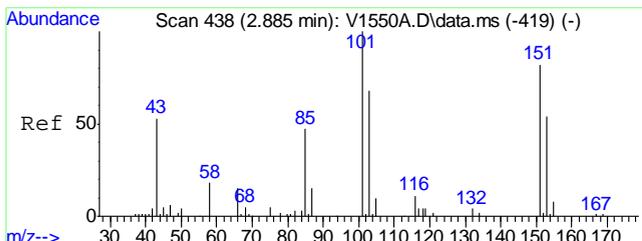
6.1.18
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2610.D
Acq On : 18 Oct 2011 1:54 am
Operator : AMYM
Sample : mc4387-18
Misc : MS24148,MSV114,6.39,,,5,1
ALS Vial : 32 Sample Multiplier: 1

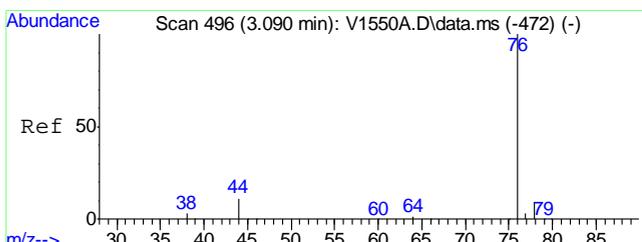
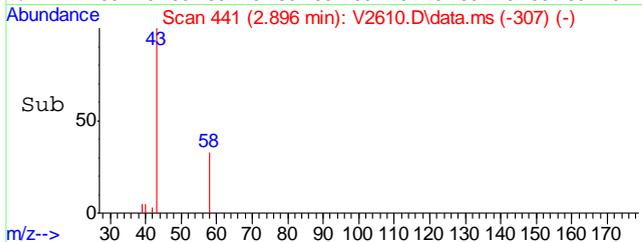
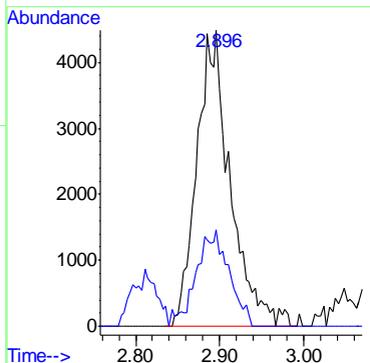
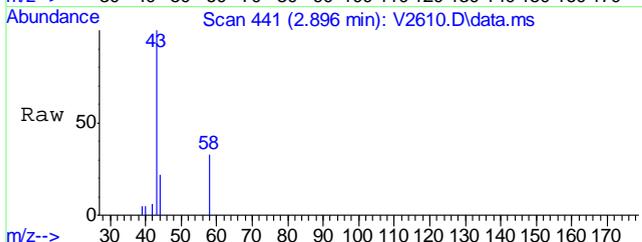
Quant Time: Oct 18 09:26:36 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration





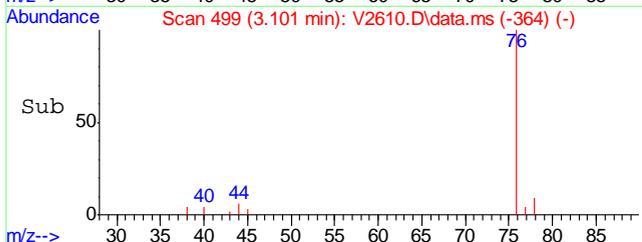
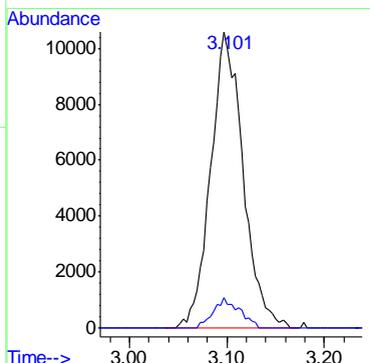
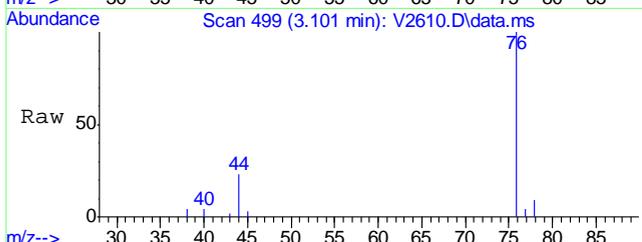
#16
acetone
Concen: 3.68 ug/L
RT: 2.896 min Scan# 441
Delta R.T. -0.025 min
Lab File: V2610.D
Acq: 18 Oct 2011 1:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 12338 | 100 | |
| 58 | 32.6 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 2.85 ug/L
RT: 3.101 min Scan# 499
Delta R.T. -0.022 min
Lab File: V2610.D
Acq: 18 Oct 2011 1:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 24250 | 100 | |
| 78 | 8.6 | 0.0 | 39.1 |



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56201.D Vial: 31
Acq On : 16 Oct 2011 1:00 am Operator: danat
Sample : mc4387-19 Inst : MAMSN
Misc : MS24146,MSN2108,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 14:09:14 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration
DataAcq Meth : N8260

Table with 7 columns: Internal Standards, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, and 1,4-dichlorobenzene-d4.

System Monitoring Compounds table with 7 columns: Compound Name, R.T., QIon, Response, Conc, Units, Dev(Min). Includes recovery percentages for spiked amounts of dibromofluoromethane and toluene-d8.

Target Compounds table with 7 columns: Compound Name, R.T., QIon, Response, Conc, Units, Qvalue. Includes naphthalene.

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N56201.D N100711W.M Mon Oct 17 14:12:10 2011 RP1

6.1.19
6

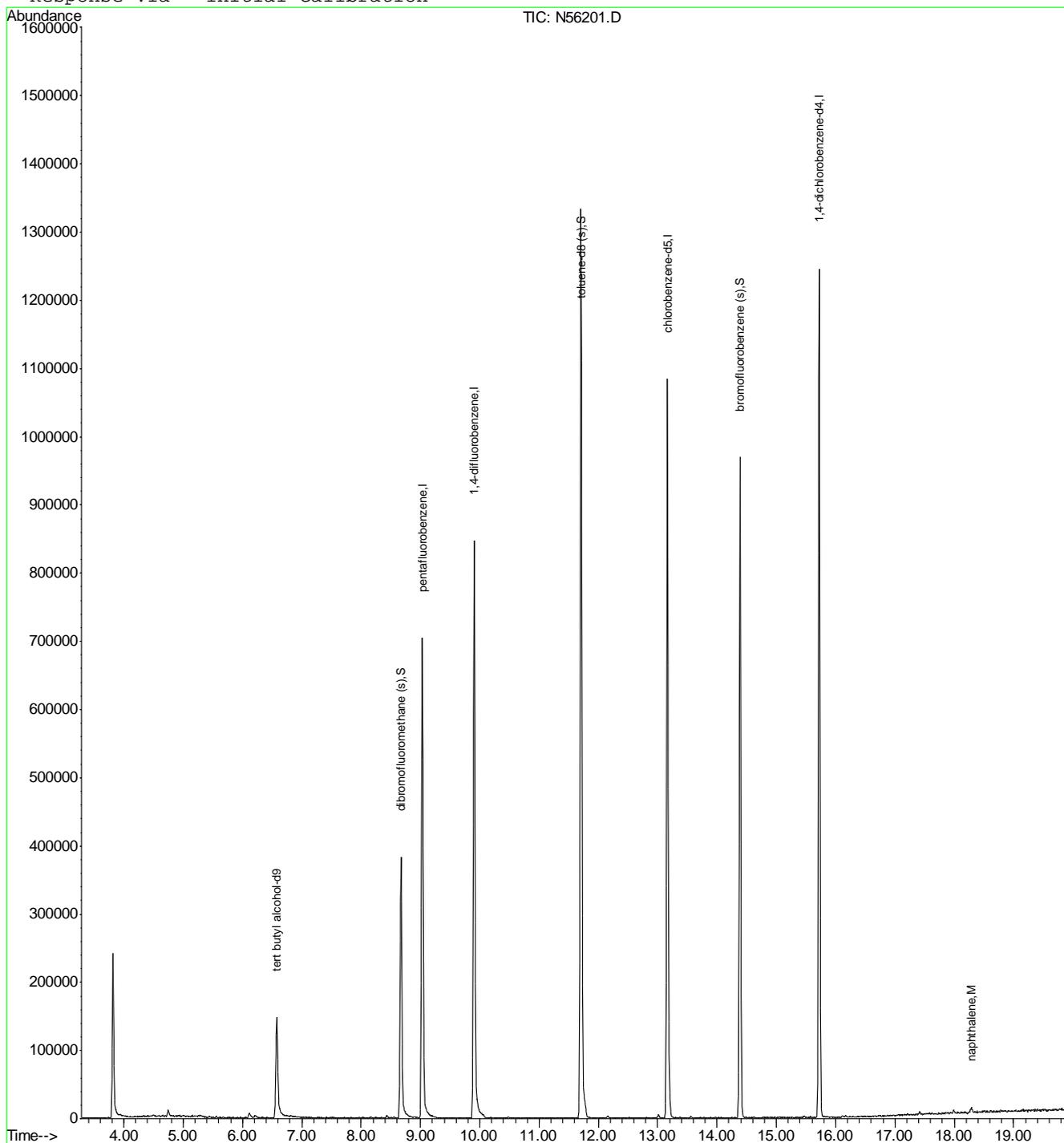
Quantitation Report (QT Reviewed)

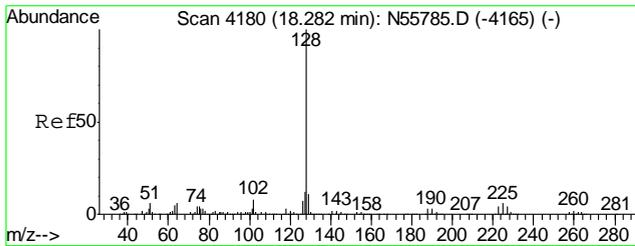
Data File : C:\MSDCHEM\1\DATA\N56201.D
Acq On : 16 Oct 2011 1:00 am
Sample : mc4387-19
Misc : MS24146,MSN2108,,,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 17 14:11 2011

Vial: 31
Operator: danat
Inst : MAMSN
Multiplr: 1.00

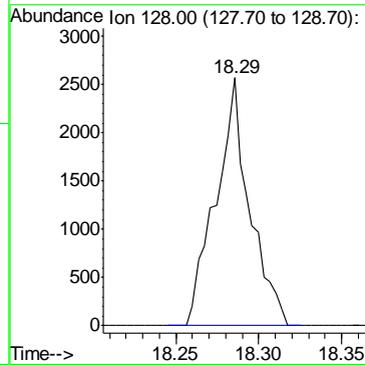
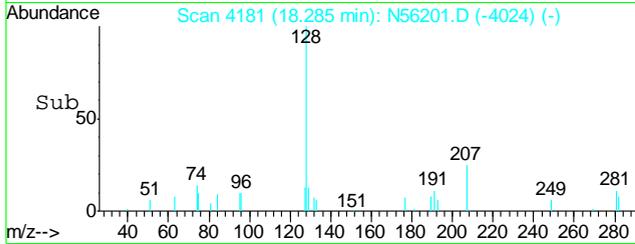
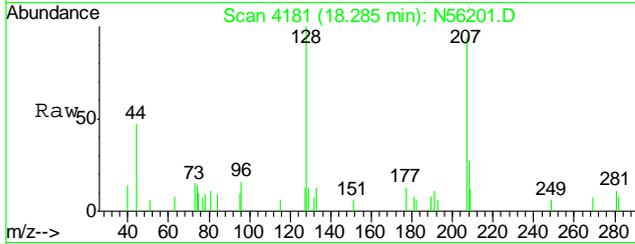
Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration





#102
naphthalene
Concen: 3.48 ug/L
RT: 18.29 min Scan# 4181
Delta R.T. 0.00 min
Lab File: N56201.D
Acq: 16 Oct 2011 1:00 am
Tgt Ion:128 Resp: 3626



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56189.D Vial: 19
 Acq On : 15 Oct 2011 7:21 pm Operator: danat
 Sample : mb Inst : MAMSN
 Misc : MS24140,MSN2108,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 13:34:08 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 246924 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 565510 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 839155 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 364363 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 391696 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 261165 | 45.72 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 91.44% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1025060 | 48.41 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.82% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 371380 | 45.33 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 90.66% |

Target Compounds

| | | | | | | |
|------------------|-------|-----|-------|------|------|---------------|
| 102) naphthalene | 18.29 | 128 | 12419 | 3.90 | ug/L | Qvalue 100 |
|------------------|-------|-----|-------|------|------|---------------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56189.D N100711W.M Mon Oct 17 13:36:11 2011 RP1

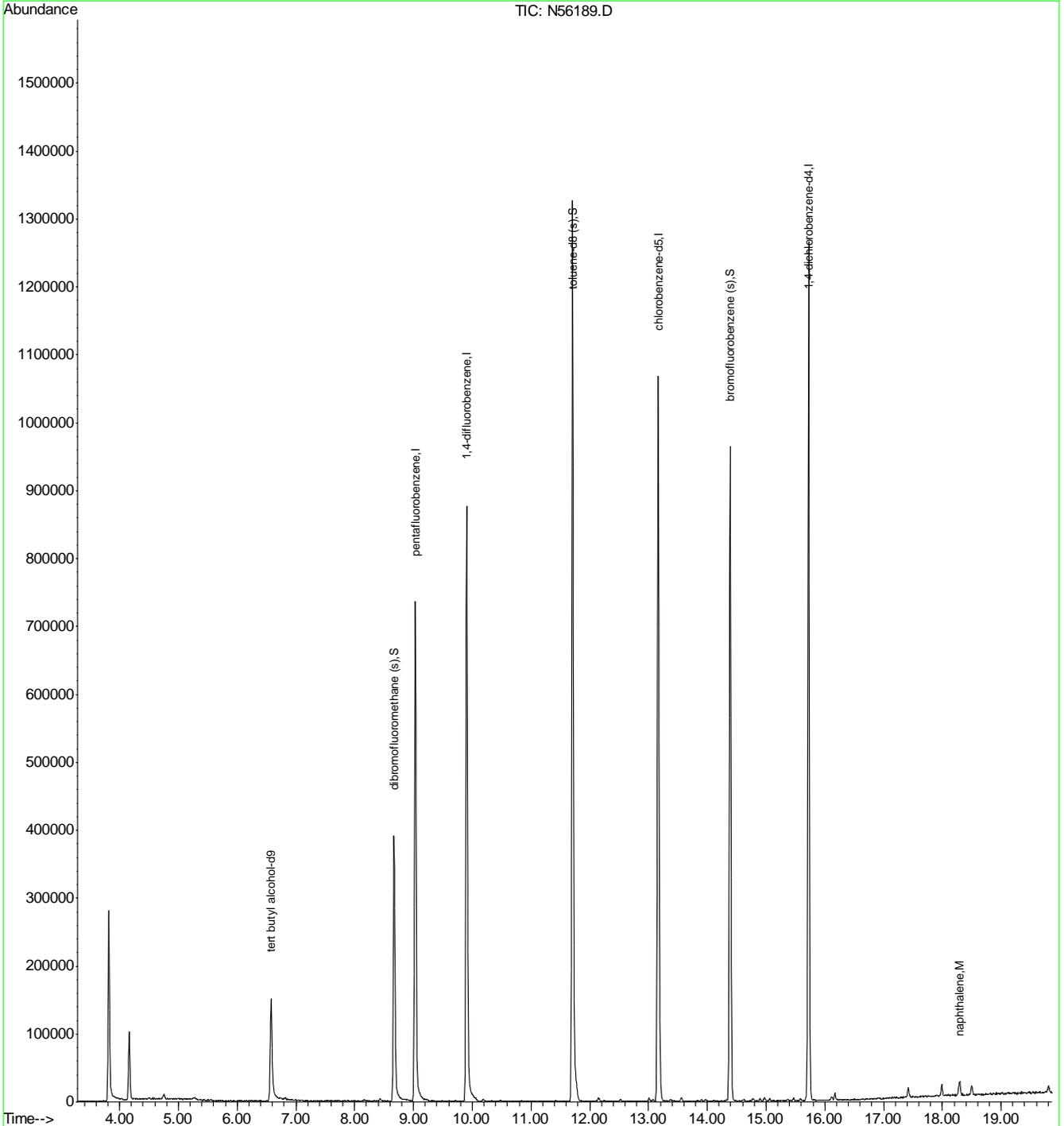
Quantitation Report (QT Reviewed)

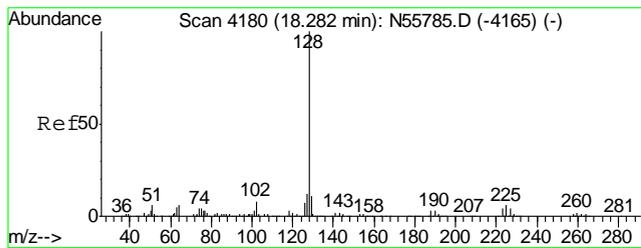
Data File : C:\MSDCHEM\1\DATA\N56189.D
Acq On : 15 Oct 2011 7:21 pm
Sample : mb
Misc : MS24140,MSN2108,,,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 17 13:36 2011

Vial: 19
Operator: danat
Inst : MAMSN
Multiplr: 1.00

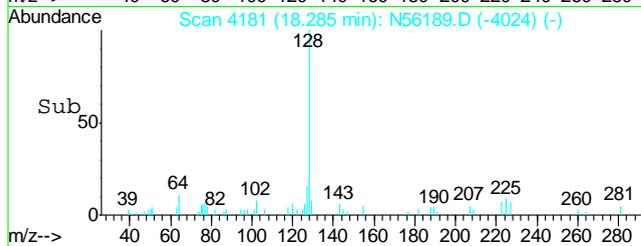
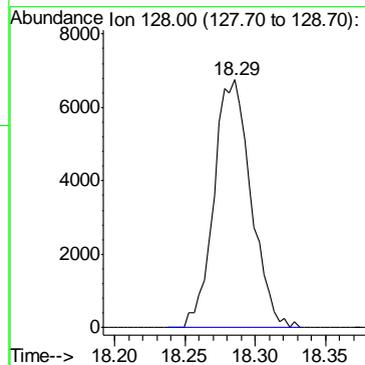
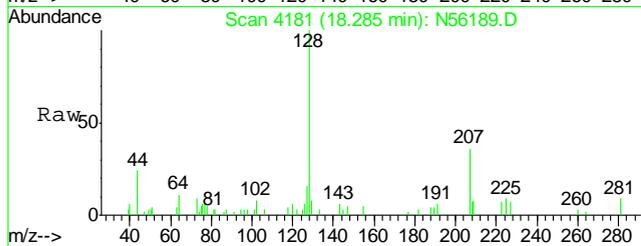
Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration





#102
 naphthalene
 Concen: 3.90 ug/L
 RT: 18.29 min Scan# 4181
 Delta R.T. 0.00 min
 Lab File: N56189.D
 Acq: 15 Oct 2011 7:21 pm
 Tgt Ion:128 Resp: 12419



6.2.1
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2580.D
 Acq On : 17 Oct 2011 10:19 am
 Operator : AMYM
 Sample : mb
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 08:19:29 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.509 | 65 | 233279 | 500.00 | ug/L | -0.04 |
| 4) pentafluorobenzene | 6.549 | 168 | 381741 | 50.00 | ug/L | -0.02 |
| 43) 1,4-difluorobenzene | 7.736 | 114 | 655398 | 50.00 | ug/L | -0.02 |
| 66) chlorobenzene-d5 | 11.088 | 82 | 361311 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 329521 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.429 | 113 | 231575 | 49.16 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.32% |
| 60) toluene-d8 (s) | 9.555 | 98 | 836658 | 49.90 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.80% |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 323810 | 50.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.80% |

Target Compounds Qvalue

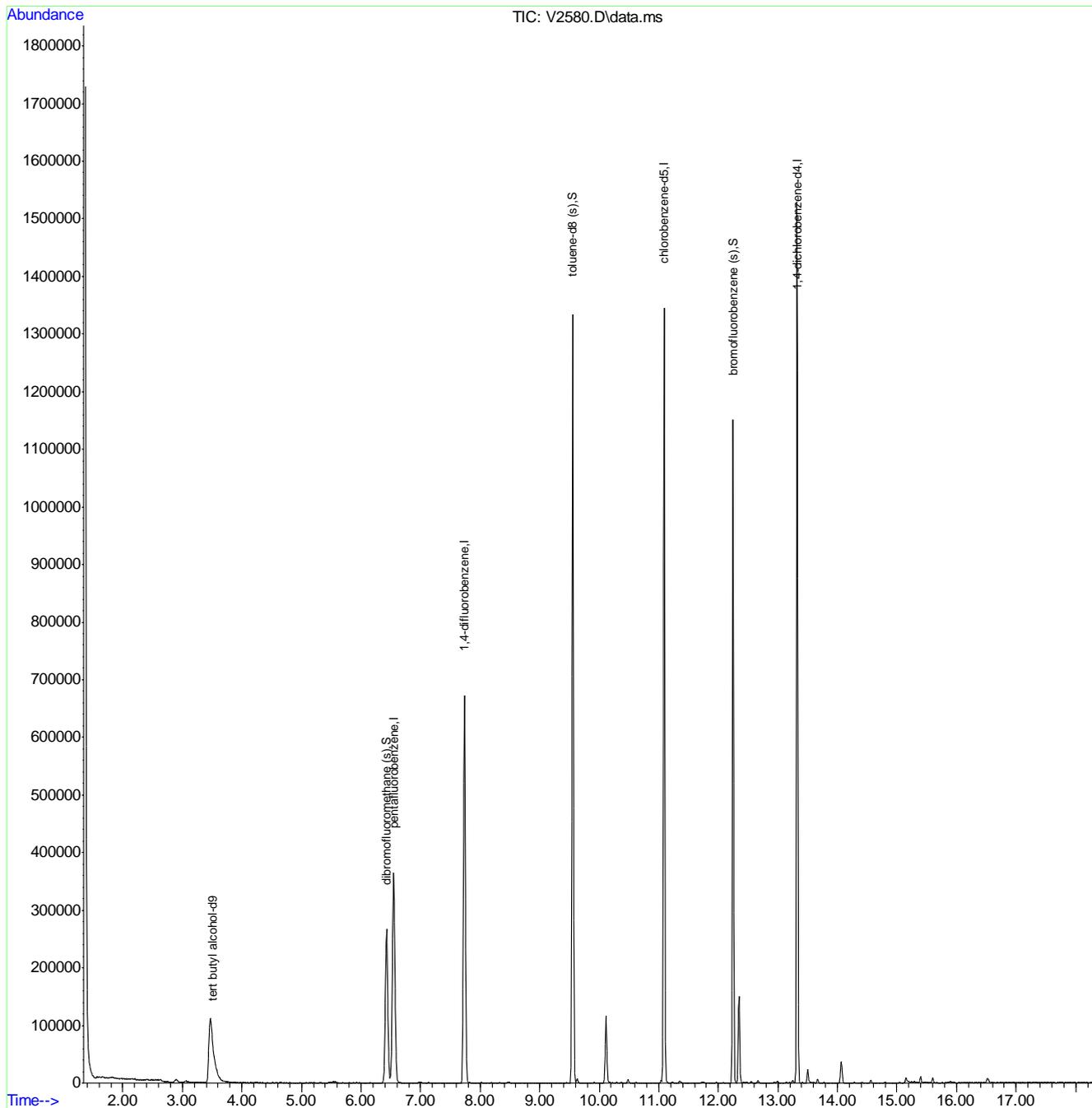
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.2.2
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2580.D
 Acq On : 17 Oct 2011 10:19 am
 Operator : AMYM
 Sample : mb
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 08:19:29 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2602.D
 Acq On : 17 Oct 2011 9:52 pm
 Operator : AMYM
 Sample : mb
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 09:20:25 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.530 | 65 | 214656 | 500.00 | ug/L | -0.02 |
| 4) pentafluorobenzene | 6.551 | 168 | 371160 | 50.00 | ug/L | -0.02 |
| 43) 1,4-difluorobenzene | 7.737 | 114 | 638288 | 50.00 | ug/L | -0.01 |
| 66) chlorobenzene-d5 | 11.087 | 82 | 356933 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.322 | 152 | 308753 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.431 | 113 | 231526 | 50.55 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.10% |
| 60) toluene-d8 (s) | 9.555 | 98 | 828659 | 50.74 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.48% |
| 82) bromofluorobenzene (s) | 12.245 | 95 | 309237 | 51.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.74% |

Target Compounds Qvalue

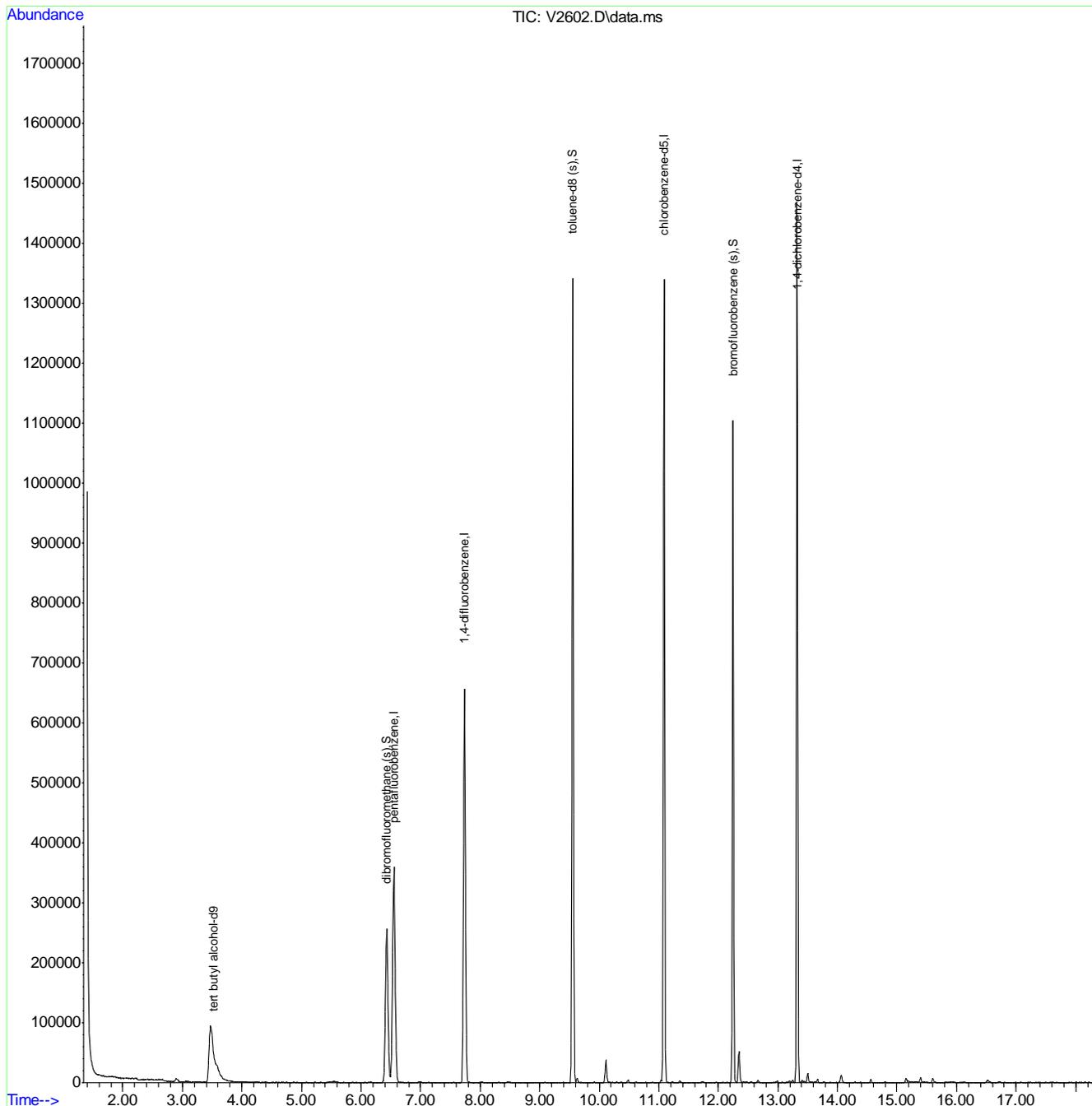
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.2.3
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2602.D
 Acq On : 17 Oct 2011 9:52 pm
 Operator : AMYM
 Sample : mb
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 09:20:25 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56186.D
 Acq On : 15 Oct 2011 5:56 pm
 Sample : bs
 Misc : MS24140,MSN2108,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:18 2011

Vial: 16
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 258513 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 572129 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 852343 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 382000 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 426853 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 270070 | 46.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 93.46% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1059619 | 49.27 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.54% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 391521 | 43.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 87.72% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|------|-----|--------|---------|------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 240147 | 485.71 | ug/L | # 68 |
| 3) Ethanol | 5.42 | 45 | 368163 | 3435.88 | ug/L | 98 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 202453 | 44.93 | ug/L | 96 |
| 6) chloromethane | 4.50 | 50 | 180924 | 43.80 | ug/L | 95 |
| 7) vinyl chloride | 4.75 | 62 | 197523 | 44.08 | ug/L | 92 |
| 8) bromomethane | 5.26 | 96 | 166341 | 48.06 | ug/L | 97 |
| 9) chloroethane | 5.43 | 64 | 168809 | 53.12 | ug/L | 92 |
| 10) ethyl ether | 6.32 | 59 | 189089 | 49.70 | ug/L | 93 |
| 11) acetonitrile | 5.98 | 41 | 49250 | 20.95 | ug/L | 99 |
| 12) trichlorofluoromethane | 6.08 | 101 | 392049 | 48.91 | ug/L | 96 |
| 13) freon-113 | 6.86 | 101 | 267699 | 55.03 | ug/L | 98 |
| 14) acrolein | 6.07 | 56 | 154955 | 552.14 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 246443 | 57.05 | ug/L | 99 |
| 16) acetone | 6.21 | 43 | 154951 | 77.74 | ug/L | 98 |
| 17) Methyl Acetate | 6.85 | 43 | 314269 | 63.58 | ug/L | 96 |
| 18) methylene chloride | 6.82 | 84 | 280374 | 53.44 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 652489 | 74.14 | ug/L | 98 |
| 20) acrylonitrile | 6.72 | 53 | 89029 | 287.85 | ug/L | 91 |
| 21) allyl chloride | 6.92 | 41 | 285958 | 51.26 | ug/L | 94 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 276530 | 52.11 | ug/L | 93 |
| 23) iodomethane | 6.73 | 142 | 315310 | 64.25 | ug/L | 98 |
| 24) carbon disulfide | 7.10 | 76 | 830637 | 51.97 | ug/L | 99 |
| 25) propionitrile | 6.65 | 54 | 2922 | 20.37 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 314269 | 63.58 | ug/L | 97 |
| 27) chloroprene | 8.14 | 53 | 322203 | 48.86 | ug/L | 92 |
| 28) di-isopropyl ether | 8.18 | 45 | 677725 | 46.33 | ug/L | 92 |
| 29) methacrylonitrile | 8.29 | 41 | 126877 | 48.03 | ug/L | 92 |
| 30) 2-butanone | 8.18 | 72 | 54409 | 89.09 | ug/L | # 37 |
| 31) Hexane | 8.16 | 41 | 284825 | 46.41 | ug/L | # 68 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 440203 | 54.65 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 521119 | 130.43 | ug/L | 96 |
| 34) isobutyl alcohol | 8.17 | 43 | 629863 | 257.84 | ug/L | 98 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 270301 | 69.28 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 302288 | 50.01 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 631376 | 52.30 | ug/L | 86 |

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

N56186.D N100711W.M Mon Oct 17 13:33:00 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56186.D
 Acq On : 15 Oct 2011 5:56 pm
 Sample : bs
 Misc : MS24140,MSN2108,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:18 2011

Vial: 16
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 138976 | 53.03 | ug/L | 89 |
| 39) chloroform | 8.55 | 83 | 454975 | 51.18 | ug/L | 100 |
| 41) Tetrahydrofuran | 8.88 | 42 | 63705 | 51.86 | ug/L | 99 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 397000 | 52.58 | ug/L | 97 |
| 44) Cyclohexane | 9.59 | 56 | 430814 | 52.94 | ug/L | 94 |
| 45) carbon tetrachloride | 9.67 | 117 | 342511 | 61.68 | ug/L | 94 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 366698 | 55.83 | ug/L | 98 |
| 47) benzene | 9.71 | 78 | 1091758 | 52.28 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 311932 | 50.29 | ug/L | 100 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 480393 | 147.66 | ug/L | 96 |
| 50) heptane | 10.18 | 43 | 236026 | 52.92 | ug/L | 94 |
| 51) trichloroethene | 10.33 | 95 | 305000 | 54.38 | ug/L | 94 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 261716 | 54.58 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 168332 | 54.38 | ug/L | 97 |
| 54) bromodichloromethane | 10.38 | 83 | 341452 | 55.89 | ug/L | 98 |
| 55) Methylcyclohexane | 10.84 | 83 | 500862 | 55.61 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 261716 | 54.58 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 167963 | 54.87 | ug/L | 90 |
| 58) 1,4-dioxane | 10.47 | 88 | 18809 | 309.09 | ug/L | 90 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 406616 | 55.12 | ug/L | 96 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 221283 | 58.40 | ug/L | 96 |
| 62) toluene | 11.78 | 92 | 724194 | 54.31 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 338342 | 67.06 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 211824 | 54.46 | ug/L | 99 |
| 65) ethyl methacrylate | 11.79 | 69 | 258520 | 48.25 | ug/L | 93 |
| 67) tetrachloroethene | 12.52 | 166 | 330516 | 56.25 | ug/L | 97 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 417069 | 54.74 | ug/L | 98 |
| 69) dibromochloromethane | 12.11 | 129 | 286913 | 63.32 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 268933 | 56.30 | ug/L | 98 |
| 71) 2-hexanone | 11.94 | 43 | 230445 | 86.30 | ug/L | 100 |
| 72) chlorobenzene | 13.20 | 112 | 846367 | 56.15 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 277990 | 59.25 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 1348986 | 54.18 | ug/L | 100 |
| 75) m,p-xylene | 13.56 | 106 | 1119009 | 112.29 | ug/L | 97 |
| 76) o-xylene | 13.98 | 106 | 550956 | 57.23 | ug/L | 95 |
| 77) styrene | 13.90 | 104 | 861407 | 57.33 | ug/L | 97 |
| 78) bromoform | 13.72 | 173 | 177994 | 53.14 | ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 28337 | 93.19 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 1403414 | 59.90 | ug/L | 95 |
| 83) bromobenzene | 14.62 | 156 | 362236 | 51.60 | ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 325017 | 52.99 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 296009 | 58.04 | ug/L | 100 |
| 86) n-propylbenzene | 14.78 | 91 | 1630499 | 52.36 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.90 | 91 | 941297 | 49.38 | ug/L | 96 |
| 88) 4-chlorotoluene | 14.97 | 91 | 994784 | 52.31 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1191642 | 52.43 | ug/L | 98 |
| 90) tert-butylbenzene | 15.36 | 91 | 647062 | 51.19 | ug/L | 90 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 1215285 | 51.84 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 1639849 | 54.71 | ug/L | 99 |

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

N56186.D N100711W.M

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RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56186.D Vial: 16
 Acq On : 15 Oct 2011 5:56 pm Operator: danat
 Sample : bs Inst : MAMSN
 Misc : MS24140,MSN2108,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:18 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 705798 | 52.38 | ug/L | 98 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1363672 | 57.59 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 729490 | 53.60 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 678912 | 53.07 | ug/L | 98 |
| 97) n-butylbenzene | 16.17 | 91 | 1259726 | 55.88 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 56824 | 57.16 | ug/L | 93 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 497115 | 59.68 | ug/L | 97 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 546592 | 56.67 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 250852 | 58.21 | ug/L | 100 |
| 102) naphthalene | 18.28 | 128 | 1182239 | 55.21 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 453494 | 61.83 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56186.D N100711W.M Mon Oct 17 13:33:01 2011 RP1

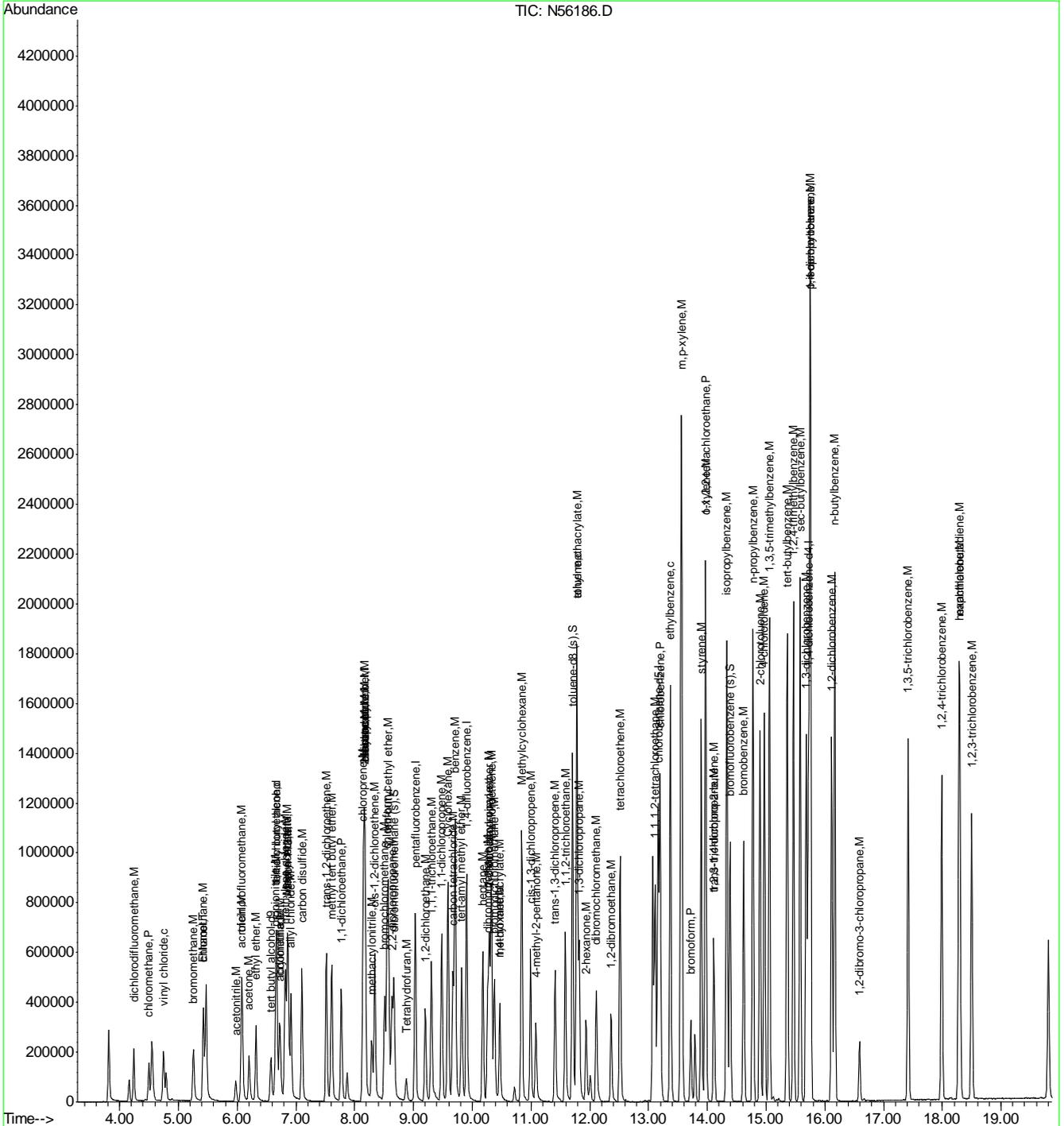
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56186.D
Acq On : 15 Oct 2011 5:56 pm
Sample : bs
Misc : MS24140,MSN2108,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 15 18:45 2011

Vial: 16
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56187.D
 Acq On : 15 Oct 2011 6:24 pm
 Sample : bsd
 Misc : MS24140,MSN2108,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:27 2011

Vial: 17
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.57 | 65 | 286420 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 580051 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 875485 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 397373 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 423899 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 274130 | 46.79 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 93.58% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1072881 | 48.56 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.12% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 398498 | 44.95 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 89.90% |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|------|-----|--------|---------|------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 243711 | 444.89 | ug/L | # 66 |
| 3) Ethanol | 5.42 | 45 | 369487 | 3094.36 | ug/L | 97 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 210319 | 46.04 | ug/L | 99 |
| 6) chloromethane | 4.50 | 50 | 186303 | 44.45 | ug/L | 98 |
| 7) vinyl chloride | 4.75 | 62 | 203260 | 44.79 | ug/L | 92 |
| 8) bromomethane | 5.25 | 96 | 167781 | 47.81 | ug/L | 98 |
| 9) chloroethane | 5.42 | 64 | 176027 | 54.63 | ug/L | 97 |
| 10) ethyl ether | 6.32 | 59 | 189147 | 49.04 | ug/L | 96 |
| 11) acetonitrile | 5.98 | 41 | 49022 | 20.51 | ug/L | 90 |
| 12) trichlorofluoromethane | 6.08 | 101 | 397243 | 48.88 | ug/L | 97 |
| 13) freon-113 | 6.87 | 101 | 269950 | 54.74 | ug/L | 97 |
| 14) acrolein | 6.07 | 56 | 157136 | 552.26 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 253972 | 58.03 | ug/L | 97 |
| 16) acetone | 6.20 | 43 | 157291 | 77.86 | ug/L | 94 |
| 17) Methyl Acetate | 6.85 | 43 | 309552 | 61.77 | ug/L | 97 |
| 18) methylene chloride | 6.82 | 84 | 281501 | 52.92 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 658054 | 73.79 | ug/L | 100 |
| 20) acrylonitrile | 6.72 | 53 | 91472 | 291.71 | ug/L | 91 |
| 21) allyl chloride | 6.92 | 41 | 289227 | 51.13 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 279704 | 51.99 | ug/L | 92 |
| 23) iodomethane | 6.73 | 142 | 341540 | 68.64 | ug/L | 99 |
| 24) carbon disulfide | 7.10 | 76 | 837571 | 51.69 | ug/L | 99 |
| 25) propionitrile | 6.65 | 54 | 2738 | 18.61 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 309552 | 61.77 | ug/L | 99 |
| 27) chloroprene | 8.14 | 53 | 330447 | 49.43 | ug/L | 90 |
| 28) di-isopropyl ether | 8.18 | 45 | 678867 | 45.77 | ug/L | 89 |
| 29) methacrylonitrile | 8.29 | 41 | 126848 | 47.36 | ug/L | 91 |
| 30) 2-butanone | 8.18 | 72 | 56485 | 91.23 | ug/L | # 34 |
| 31) Hexane | 8.16 | 41 | 286920 | 46.11 | ug/L | # 76 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 446647 | 54.69 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 539325 | 132.47 | ug/L | 99 |
| 34) isobutyl alcohol | 8.18 | 43 | 635407 | 256.55 | ug/L | 90 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 273410 | 69.16 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 308469 | 50.34 | ug/L | 99 |
| 37) ethyl acetate | 8.18 | 43 | 633926 | 51.79 | ug/L | 86 |

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

N56187.D N100711W.M Mon Oct 17 13:33:49 2011 RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56187.D
 Acq On : 15 Oct 2011 6:24 pm
 Sample : bsd
 Misc : MS24140,MSN2108,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:27 2011

Vial: 17
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 141725 | 53.34 | ug/L | 92 |
| 39) chloroform | 8.55 | 83 | 458338 | 50.85 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.88 | 42 | 59204 | 47.54 | ug/L | 86 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 398796 | 52.11 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 432982 | 51.80 | ug/L | 99 |
| 45) carbon tetrachloride | 9.67 | 117 | 344491 | 60.40 | ug/L | 96 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 371077 | 55.00 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 1095410 | 51.06 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 313744 | 49.25 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 491212 | 147.19 | ug/L | 96 |
| 50) heptane | 10.18 | 43 | 236457 | 51.61 | ug/L | 94 |
| 51) trichloroethene | 10.33 | 95 | 305809 | 53.09 | ug/L | 94 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 261914 | 53.17 | ug/L | 100 |
| 53) dibromomethane | 10.26 | 93 | 169286 | 53.24 | ug/L | 97 |
| 54) bromodichloromethane | 10.38 | 83 | 344927 | 54.96 | ug/L | 97 |
| 55) Methylcyclohexane | 10.84 | 83 | 509477 | 55.07 | ug/L | 95 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 261914 | 53.17 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 169261 | 53.92 | ug/L | 90 |
| 58) 1,4-dioxane | 10.47 | 88 | 17716 | 283.43 | ug/L | 90 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 412981 | 54.53 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 218000 | 56.01 | ug/L | 95 |
| 62) toluene | 11.78 | 92 | 734284 | 53.61 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 347375 | 67.04 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 211375 | 52.91 | ug/L | 97 |
| 65) ethyl methacrylate | 11.79 | 69 | 255040 | 46.48 | ug/L | 94 |
| 67) tetrachloroethene | 12.52 | 166 | 333927 | 54.63 | ug/L | 97 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 416788 | 52.59 | ug/L | 97 |
| 69) dibromochloromethane | 12.11 | 129 | 288435 | 61.20 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 272035 | 54.75 | ug/L | 97 |
| 71) 2-hexanone | 11.94 | 43 | 237216 | 85.40 | ug/L | 100 |
| 72) chlorobenzene | 13.20 | 112 | 852755 | 54.39 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 280729 | 57.52 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 1367208 | 52.78 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 1130613 | 109.07 | ug/L | 97 |
| 76) o-xylene | 13.97 | 106 | 551432 | 55.07 | ug/L | 96 |
| 77) styrene | 13.90 | 104 | 882621 | 56.47 | ug/L | 98 |
| 78) bromoform | 13.72 | 173 | 178466 | 51.48 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 27366 | 88.25 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 1421252 | 61.08 | ug/L | 97 |
| 83) bromobenzene | 14.62 | 156 | 363523 | 52.14 | ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 322039 | 52.87 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 293964 | 58.04 | ug/L | 97 |
| 86) n-propylbenzene | 14.78 | 91 | 1640497 | 53.05 | ug/L | 97 |
| 87) 2-chlorotoluene | 14.90 | 91 | 949018 | 50.13 | ug/L | 99 |
| 88) 4-chlorotoluene | 14.97 | 91 | 991583 | 52.50 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1200032 | 53.16 | ug/L | 99 |
| 90) tert-butylbenzene | 15.36 | 91 | 661688 | 52.71 | ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 1208784 | 51.92 | ug/L | 98 |
| 92) sec-butylbenzene | 15.58 | 105 | 1641419 | 55.15 | ug/L | 99 |

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

N56187.D N100711W.M

Mon Oct 17 13:33:49 2011

RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56187.D Vial: 17
 Acq On : 15 Oct 2011 6:24 pm Operator: danat
 Sample : bsd Inst : MAMSN
 Misc : MS24140,MSN2108,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:45:27 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 711255 | 53.16 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1360353 | 57.85 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 726130 | 53.72 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 679667 | 53.50 | ug/L | 98 |
| 97) n-butylbenzene | 16.17 | 91 | 1252787 | 55.96 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 57576 | 58.32 | ug/L | 93 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 496111 | 59.97 | ug/L | 95 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 544888 | 56.88 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 245210 | 57.30 | ug/L | 96 |
| 102) naphthalene | 18.28 | 128 | 1186131 | 55.74 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 452732 | 62.16 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56187.D N100711W.M Mon Oct 17 13:33:50 2011 RP1

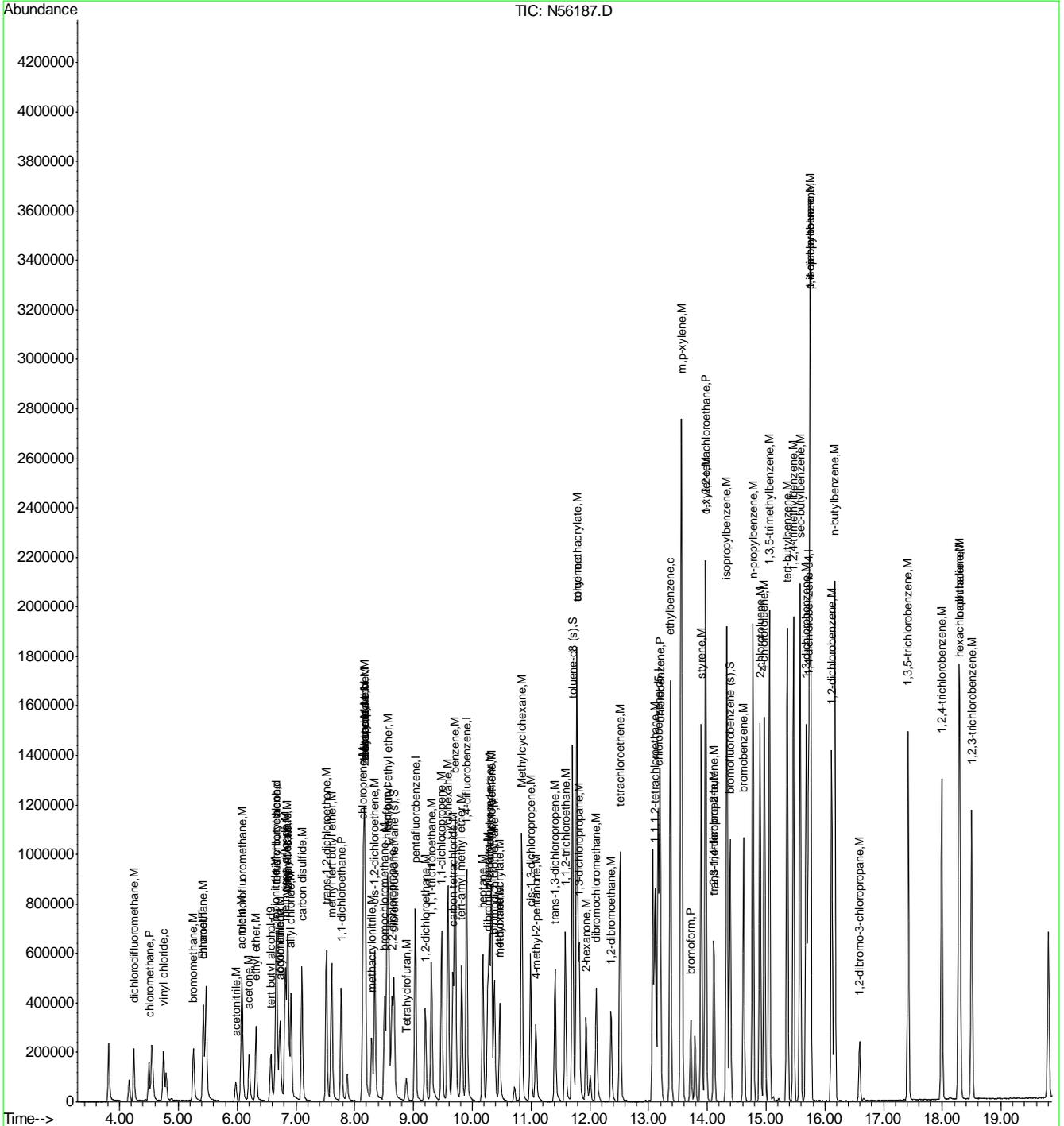
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56187.D
Acq On : 15 Oct 2011 6:24 pm
Sample : bsd
Misc : MS24140,MSN2108,,,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 15 18:45 2011

Vial: 17
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 08:16:35 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.520 | 65 | 267777 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.553 | 168 | 403615 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.740 | 114 | 676371 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.090 | 82 | 375764 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.324 | 152 | 344731 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.434 | 113 | 253382 | 50.87 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.74% | |
| 60) toluene-d8 (s) | 9.557 | 98 | 879311 | 50.81 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.62% | |
| 82) bromofluorobenzene (s) | 12.247 | 95 | 340643 | 50.68 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.36% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.624 | 59 | 349022 | 543.30 | ug/L | | 97 |
| 3) Ethanol | 2.502 | 45 | 146013 | 3293.93 | ug/L | | 86 |
| 5) dichlorodifluoromethane | 1.515 | 85 | 362996 | 49.67 | ug/L | | 99 |
| 6) chloromethane | 1.614 | 50 | 288464 | 45.50 | ug/L | | 100 |
| 7) vinyl chloride | 1.726 | 62 | 301254 | 43.09 | ug/L | | 98 |
| 8) bromomethane | 2.011 | 96 | 205284 | 54.08 | ug/L | | 96 |
| 9) chloroethane | 2.109 | 64 | 169349 | 53.64 | ug/L | | 98 |
| 10) ethyl ether | 2.606 | 59 | 206210 | 59.48 | ug/L | | 99 |
| 11) acetonitrile | 3.288 | 41 | 443284 | 50.78 | ug/L | | 97 |
| 12) trichlorofluoromethane | 2.349 | 101 | 438776 | 50.86 | ug/L | | 97 |
| 13) freon-113 | 2.900 | 101 | 328634 | 56.00 | ug/L | | 94 |
| 14) acrolein | 2.756 | 56 | 158884 | 613.84 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.862 | 96 | 292575 | 60.05 | ug/L | | 99 |
| 16) acetone | 2.905 | 43 | 99175 | 61.55 | ug/L | | 99 |
| 17) Methyl Acetate | 3.277 | 43 | 475472 | 85.44 | ug/L | | 92 |
| 18) methylene chloride | 3.461 | 84 | 357515 | 54.32 | ug/L | | 87 |
| 19) methyl tert butyl ether | 3.834 | 73 | 791967 | 59.57 | ug/L | | 95 |
| 20) acrylonitrile | 4.614 | 53 | 448792 | 296.34 | ug/L | | 100 |
| 21) allyl chloride | 3.288 | 41 | 441902 | 50.66 | ug/L | | 94 |
| 22) trans-1,2-dichloroethene | 3.829 | 96 | 317518 | 57.07 | ug/L | | 97 |
| 23) iodomethane | 3.030 | 142 | 504432 | 57.53 | ug/L | | 97 |
| 24) carbon disulfide | 3.113 | 76 | 1008533 | 52.32 | ug/L | | 100 |
| 25) propionitrile | 5.646 | 54 | 51971 | 69.33 | ug/L | | 100 |
| 26) vinyl acetate | 4.531 | 43 | 537214 | 46.63 | ug/L | | 96 |
| 27) chloroprene | 4.614 | 53 | 448792 | 59.27 | ug/L | | 95 |
| 28) di-isopropyl ether | 4.598 | 45 | 936874 | 55.53 | ug/L | | 97 |
| 29) methacrylonitrile | 5.916 | 41 | 245143 | 71.73 | ug/L | | 98 |
| 30) 2-butanone | 5.956 | 72 | 46772 | 73.31 | ug/L | | 92 |
| 31) Hexane | 4.242 | 41 | 304512 | 57.60 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.502 | 63 | 558095 | 54.59 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.270 | 59 | 779515 | 53.84 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.242 | 43 | 279167 | 298.16 | ug/L | | 96 |
| 35) 2,2-dichloropropane | 5.541 | 77 | 382316 | 53.73 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.525 | 96 | 344629 | 56.82 | ug/L | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 08:16:35 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.290 | 43 | 213356m | 54.73 | ug/L | |
| 38) bromochloromethane | 5.947 | 128 | 166200 | 59.22 | ug/L # | 79 |
| 39) chloroform | 6.163 | 83 | 556716 | 53.80 | ug/L | 100 |
| 41) Tetrahydrofuran | 5.953 | 42 | 109352 | 78.12 | ug/L | 94 |
| 42) 1,1,1-trichloroethane | 6.406 | 97 | 442663 | 56.98 | ug/L | 95 |
| 44) Cyclohexane | 6.511 | 56 | 561325 | 54.66 | ug/L | 93 |
| 45) carbon tetrachloride | 6.659 | 117 | 411593 | 52.02 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.676 | 75 | 436737 | 57.28 | ug/L | 97 |
| 47) benzene | 6.996 | 78 | 1235004 | 56.03 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.124 | 62 | 426685 | 57.99 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.289 | 73 | 679363 | 54.54 | ug/L | 96 |
| 50) heptane | 7.555 | 43 | 471230 | 62.10 | ug/L | 94 |
| 51) trichloroethene | 8.032 | 95 | 320972 | 56.92 | ug/L | 95 |
| 52) 1,2-dichloropropane | 8.383 | 63 | 332518 | 55.47 | ug/L | 98 |
| 53) dibromomethane | 8.487 | 93 | 227209 | 63.39 | ug/L | 91 |
| 54) bromodichloromethane | 8.739 | 83 | 398351 | 52.89 | ug/L | 99 |
| 55) Methylcyclohexane | 8.335 | 83 | 550391 | 59.71 | ug/L | 93 |
| 57) methyl methacrylate | 8.518 | 69 | 254880 | 70.66 | ug/L | 94 |
| 58) 1,4-dioxane | 8.508 | 88 | 20761 | 352.84 | ug/L # | 46 |
| 59) cis-1,3-dichloropropene | 9.269 | 75 | 481264 | 53.29 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 9.454 | 43 | 368312 | 74.96 | ug/L | 96 |
| 62) toluene | 9.633 | 92 | 751714 | 55.55 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.922 | 75 | 444476 | 60.36 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.127 | 83 | 264210 | 62.13 | ug/L | 97 |
| 65) ethyl methacrylate | 10.004 | 69 | 435388 | 60.95 | ug/L | 93 |
| 67) tetrachloroethene | 10.185 | 166 | 319856 | 57.20 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.291 | 76 | 510318 | 61.38 | ug/L | 100 |
| 69) dibromochloromethane | 10.511 | 129 | 309255 | 57.92 | ug/L | 100 |
| 70) 1,2-dibromoethane | 10.620 | 107 | 316360 | 68.46 | ug/L | 99 |
| 71) 2-hexanone | 10.365 | 43 | 278129 | 77.94 | ug/L | 96 |
| 72) chlorobenzene | 11.119 | 112 | 830962 | 55.23 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 11.220 | 131 | 283014 | 52.92 | ug/L | 96 |
| 74) ethylbenzene | 11.226 | 91 | 1426292 | 57.03 | ug/L | 99 |
| 75) m,p-xylene | 11.357 | 106 | 1054951 | 116.68 | ug/L | 95 |
| 76) o-xylene | 11.726 | 106 | 510344 | 52.54 | ug/L | 98 |
| 77) styrene | 11.748 | 104 | 888660 | 53.27 | ug/L | 97 |
| 78) bromoform | 11.921 | 173 | 206766 | 59.18 | ug/L | 100 |
| 79) trans-1,4-dichloro-2-b... | 12.144 | 53 | 135434 | 78.23 | ug/L | 95 |
| 81) isopropylbenzene | 12.082 | 105 | 1348392 | 60.00 | ug/L | 99 |
| 83) bromobenzene | 12.372 | 156 | 348445 | 56.52 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.380 | 83 | 472073 | 68.93 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.426 | 75 | 505362 | 65.27 | ug/L | 84 |
| 86) n-propylbenzene | 12.475 | 91 | 1668813 | 57.28 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.553 | 91 | 964665 | 54.62 | ug/L | 98 |
| 88) 4-chlorotoluene | 12.667 | 91 | 1133639 | 56.06 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 12.647 | 105 | 1094300 | 54.49 | ug/L | 99 |
| 90) tert-butylbenzene | 12.937 | 91 | 656553 | 51.00 | ug/L | 94 |
| 91) 1,2,4-trimethylbenzene | 12.992 | 105 | 1105273 | 54.92 | ug/L | 97 |
| 92) sec-butylbenzene | 13.143 | 105 | 1493678 | 56.70 | ug/L | 98 |
| 93) 1,3-dichlorobenzene | 13.250 | 146 | 626929 | 56.60 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 08:16:35 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

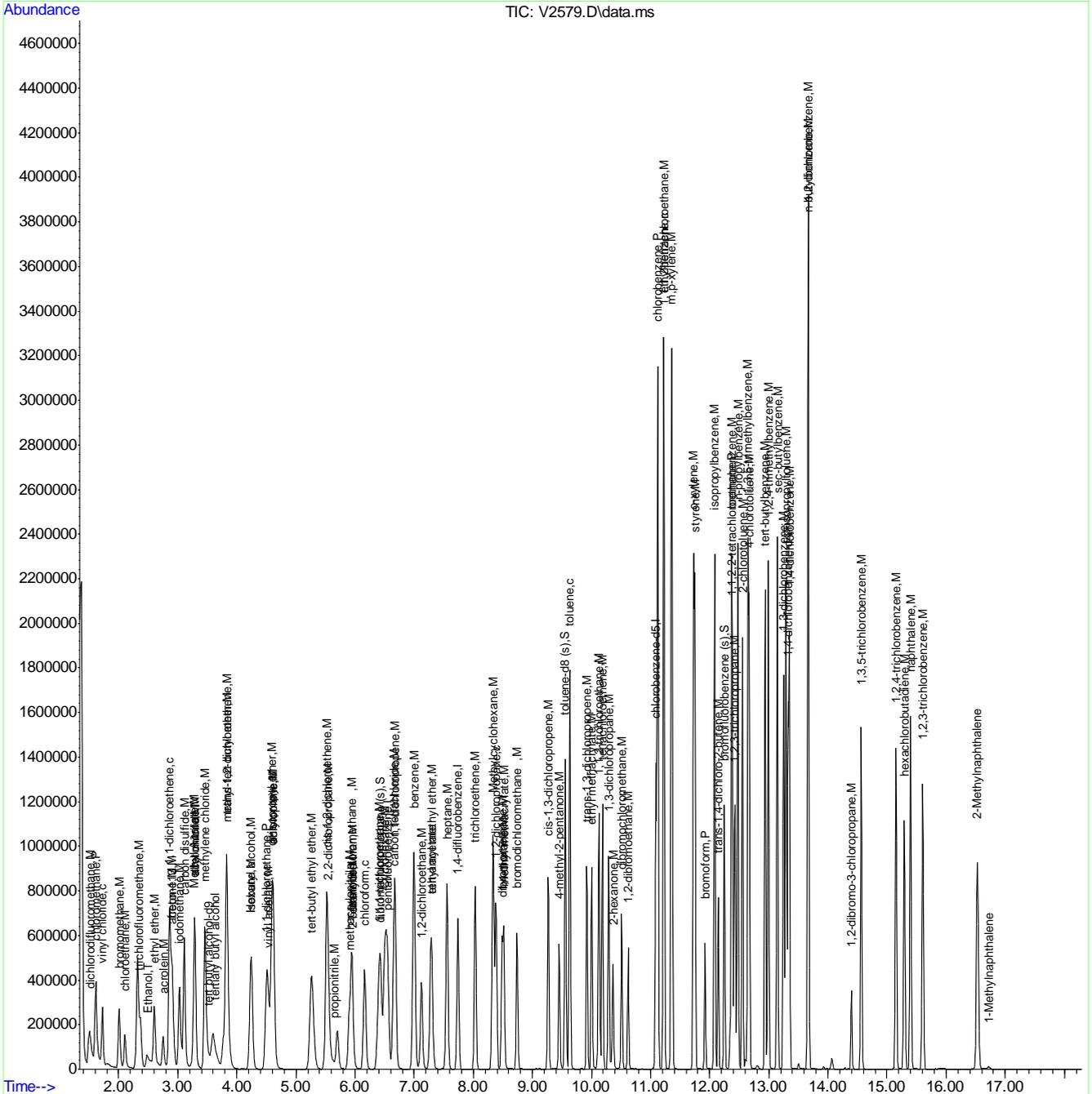
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.289 | 119 | 1114260 | 59.72 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 13.347 | 146 | 646390 | 56.00 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.670 | 146 | 621745 | 57.81 | ug/L | 99 |
| 97) n-butylbenzene | 13.662 | 91 | 1244796 | 59.55 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.397 | 75 | 77248 | 69.16 | ug/L | 88 |
| 99) 1,3,5-trichlorobenzene | 14.565 | 180 | 437075 | 57.41 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.152 | 180 | 437125 | 58.08 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.293 | 225 | 233313 | 59.08 | ug/L | 99 |
| 102) naphthalene | 15.398 | 128 | 1234415 | 67.32 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.605 | 180 | 420647 | 57.28 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.530 | 142 | 674345 | 71.71 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.718 | 142 | 9596 | 1.57 | ug/L | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2579.D
Acq On : 17 Oct 2011 9:48 am
Operator : AMYM
Sample : bs
Misc : MS24138,MSV112,5,,,5,1
ALS Vial : 2 Sample Multiplier: 1

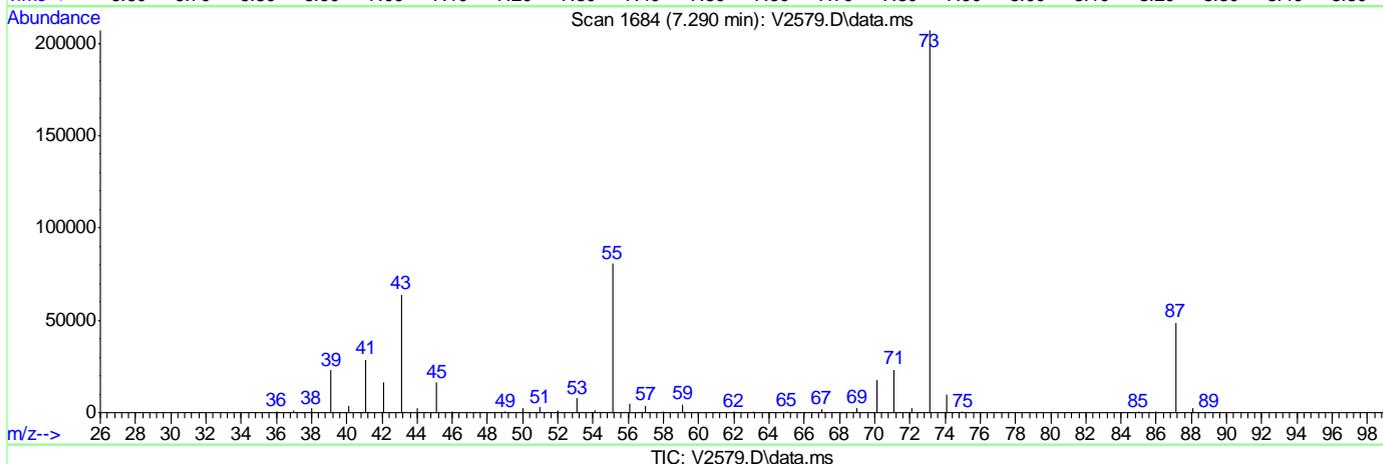
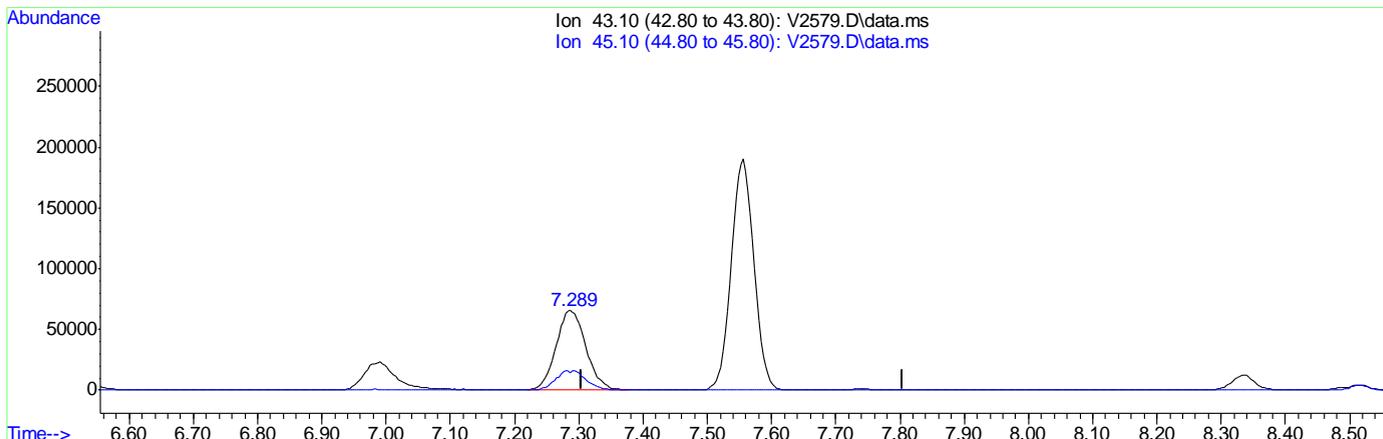
Quant Time: Oct 18 08:16:35 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 13:22:15 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



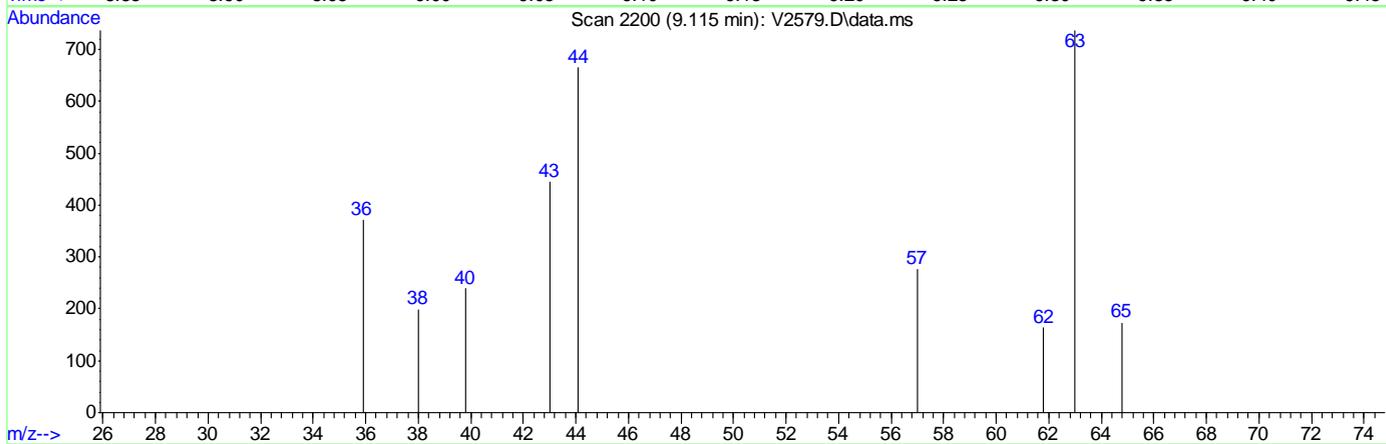
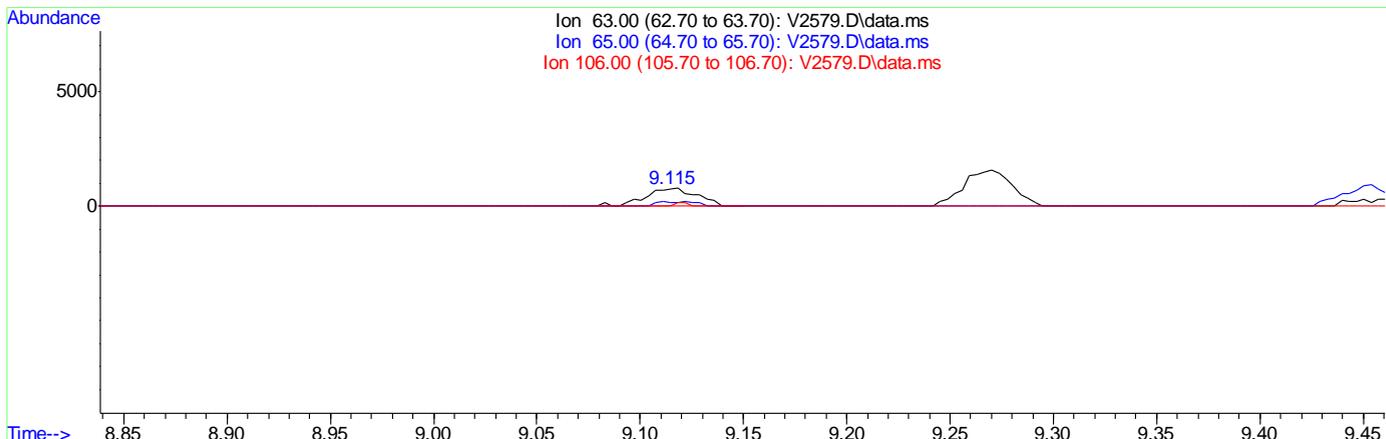
(37) ethyl acetate
 7.290min (-0.015) 54.67ug/L m
 response 213122

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 13:22:15 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



TIC: V2579.D\data.ms

(56) 2-chloroethyl vinyl ether (M)
 9.115min (-0.011) 4.92ug/L m
 response 1378

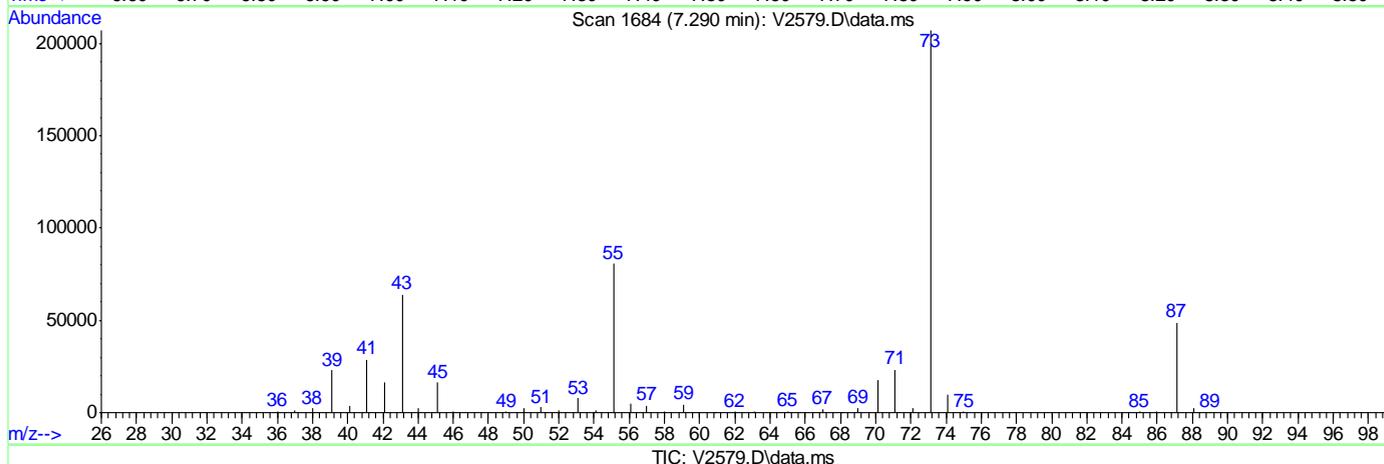
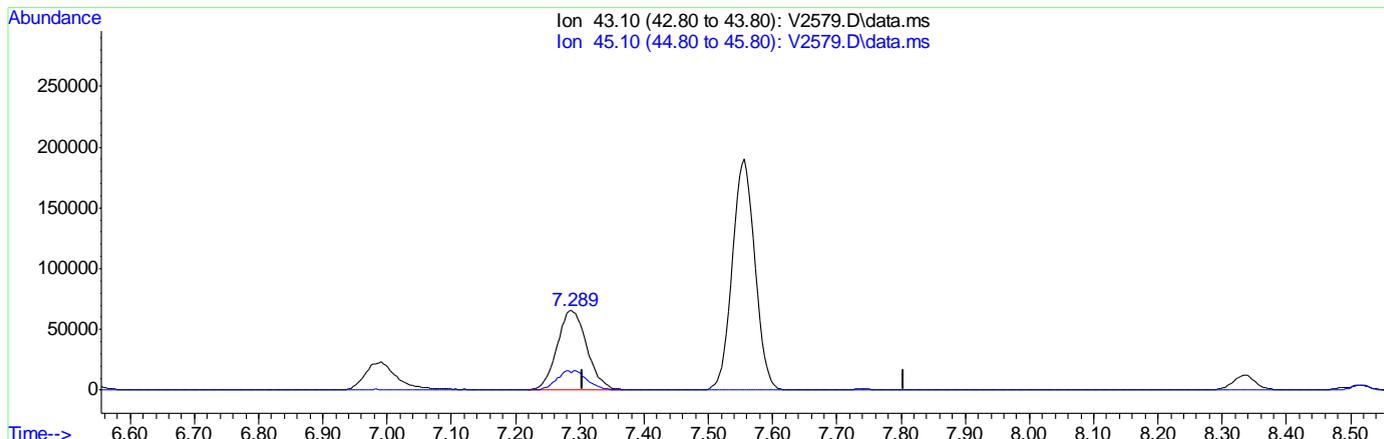
| Ion | Exp% | Act% |
|--------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 32.90 | 0.00# |
| 106.00 | 26.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 07:43:32 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.3.3.3
 6



(37) ethyl acetate
 7.290min (-0.015) 54.60ug/L m
 response 212860

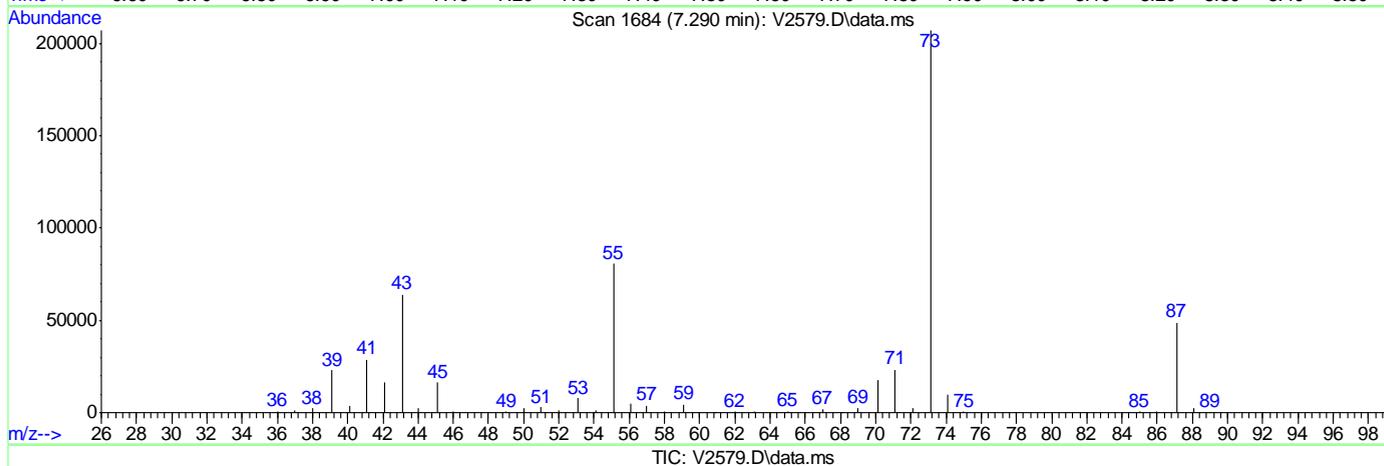
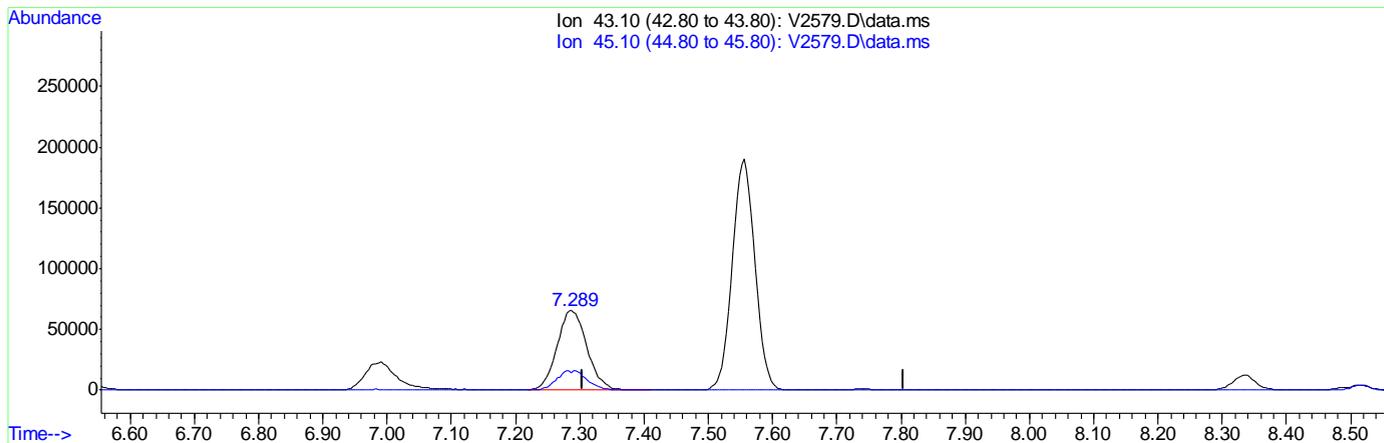
| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2579.D
 Acq On : 17 Oct 2011 9:48 am
 Operator : AMYM
 Sample : bs
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 07:43:32 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.3.3.4
 6



(37) ethyl acetate
 7.290min (-0.015) 54.73ug/L m
 response 213356

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2601.D
 Acq On : 17 Oct 2011 9:22 pm
 Operator : AMYM
 Sample : bs
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:18:58 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|-----|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.529 | 65 | 201514 | 500.00 | ug/L | -0.02 | |
| 4) pentafluorobenzene | 6.554 | 168 | 354845 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.739 | 114 | 597409 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.088 | 82 | 338408 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.322 | 152 | 307673 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.434 | 113 | 234464 | 53.54 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 107.08% | |
| 60) toluene-d8 (s) | 9.556 | 98 | 801844 | 52.46 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.92% | |
| 82) bromofluorobenzene (s) | 12.245 | 95 | 312314 | 52.06 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.12% | |
| Target Compounds | | | | | | | |
| 2) tertiary butyl alcohol | 3.629 | 59 | 270802 | 560.15 | ug/L | | 97 |
| 3) Ethanol | 2.493 | 45 | 96696 | 2927.01 | ug/L | | 83 |
| 5) dichlorodifluoromethane | 1.519 | 85 | 344226 | 53.57 | ug/L | | 98 |
| 6) chloromethane | 1.618 | 50 | 279335 | 50.12 | ug/L | | 98 |
| 7) vinyl chloride | 1.729 | 62 | 290205 | 47.21 | ug/L | | 98 |
| 8) bromomethane | 2.015 | 96 | 191996 | 57.53 | ug/L | | 95 |
| 9) chloroethane | 2.112 | 64 | 157219 | 56.64 | ug/L | | 99 |
| 10) ethyl ether | 2.607 | 59 | 187688 | 61.58 | ug/L | | 99 |
| 11) acetonitrile | 3.291 | 41 | 414747 | 54.12 | ug/L | | 96 |
| 12) trichlorofluoromethane | 2.351 | 101 | 411511 | 54.25 | ug/L | | 98 |
| 13) freon-113 | 2.902 | 101 | 297666 | 57.69 | ug/L | | 93 |
| 14) acrolein | 2.759 | 56 | 79418 | 349.00 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.864 | 96 | 259888 | 60.67 | ug/L | | 96 |
| 16) acetone | 2.909 | 43 | 88303 | 62.45 | ug/L | | 99 |
| 17) Methyl Acetate | 3.280 | 43 | 271853 | 55.56 | ug/L | | 93 |
| 18) methylene chloride | 3.463 | 84 | 334302 | 58.12 | ug/L | | 86 |
| 19) methyl tert butyl ether | 3.836 | 73 | 716201 | 61.21 | ug/L | | 94 |
| 20) acrylonitrile | 4.616 | 53 | 419447 | 315.03 | ug/L | | 100 |
| 21) allyl chloride | 3.291 | 41 | 414713 | 54.15 | ug/L | | 90 |
| 22) trans-1,2-dichloroethene | 3.830 | 96 | 288085 | 58.90 | ug/L | | 94 |
| 23) iodomethane | 3.031 | 142 | 457965 | 59.41 | ug/L | | 100 |
| 24) carbon disulfide | 3.114 | 76 | 915384 | 53.98 | ug/L | | 98 |
| 25) propionitrile | 5.648 | 54 | 46666 | 70.81 | ug/L | | 100 |
| 26) vinyl acetate | 4.529 | 43 | 289117 | 29.43 | ug/L | | 97 |
| 27) chloroprene | 4.616 | 53 | 419447 | 63.01 | ug/L | | 92 |
| 28) di-isopropyl ether | 4.600 | 45 | 905756 | 61.07 | ug/L | | 96 |
| 29) methacrylonitrile | 5.917 | 41 | 221574 | 73.74 | ug/L | | 95 |
| 30) 2-butanone | 5.957 | 72 | 40231 | 71.78 | ug/L | | 88 |
| 31) Hexane | 4.244 | 41 | 280703 | 60.40 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.504 | 63 | 524736 | 58.39 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.271 | 59 | 716452 | 56.15 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.244 | 43 | 257473 | 312.79 | ug/L | | 95 |
| 35) 2,2-dichloropropane | 5.541 | 77 | 335584 | 53.65 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.525 | 96 | 316731 | 59.40 | ug/L | | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2601.D
 Acq On : 17 Oct 2011 9:22 pm
 Operator : AMYM
 Sample : bs
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:18:58 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.290 | 43 | 195484m | 56.92 | ug/L | |
| 38) bromochloromethane | 5.947 | 128 | 153659 | 62.28 | ug/L # | 79 |
| 39) chloroform | 6.164 | 83 | 527786 | 58.02 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.954 | 42 | 96587 | 78.49 | ug/L | 94 |
| 42) 1,1,1-trichloroethane | 6.406 | 97 | 411476 | 60.24 | ug/L | 95 |
| 44) Cyclohexane | 6.511 | 56 | 514520 | 56.73 | ug/L | 96 |
| 45) carbon tetrachloride | 6.658 | 117 | 377489 | 53.97 | ug/L | 95 |
| 46) 1,1-dichloropropene | 6.677 | 75 | 401686 | 59.65 | ug/L | 98 |
| 47) benzene | 6.996 | 78 | 1142864 | 58.71 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.124 | 62 | 402411 | 61.92 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.289 | 73 | 611836 | 55.52 | ug/L | 95 |
| 50) heptane | 7.555 | 43 | 435139 | 64.92 | ug/L | 93 |
| 51) trichloroethene | 8.031 | 95 | 290562 | 58.34 | ug/L | 93 |
| 52) 1,2-dichloropropane | 8.382 | 63 | 314966 | 59.48 | ug/L | 100 |
| 53) dibromomethane | 8.486 | 93 | 209638 | 66.21 | ug/L | 90 |
| 54) bromodichloromethane | 8.738 | 83 | 373733 | 55.99 | ug/L | 99 |
| 55) Methylcyclohexane | 8.334 | 83 | 496875 | 61.03 | ug/L | 94 |
| 57) methyl methacrylate | 8.517 | 69 | 223400 | 70.14 | ug/L | 90 |
| 58) 1,4-dioxane | 8.506 | 88 | 17591 | 338.81 | ug/L # | 43 |
| 59) cis-1,3-dichloropropene | 9.267 | 75 | 436069 | 54.58 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.453 | 43 | 328949 | 75.78 | ug/L | 94 |
| 62) toluene | 9.631 | 92 | 689598 | 57.69 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 9.921 | 75 | 391703 | 60.24 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.126 | 83 | 245438 | 65.34 | ug/L | 96 |
| 65) ethyl methacrylate | 10.003 | 69 | 393678 | 62.32 | ug/L | 90 |
| 67) tetrachloroethene | 10.184 | 166 | 283815 | 56.36 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.290 | 76 | 472218 | 63.07 | ug/L | 99 |
| 69) dibromochloromethane | 10.509 | 129 | 277506 | 57.73 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.618 | 107 | 285196 | 68.53 | ug/L | 97 |
| 71) 2-hexanone | 10.363 | 43 | 246484 | 76.70 | ug/L | 94 |
| 72) chlorobenzene | 11.117 | 112 | 756923 | 55.86 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 11.218 | 131 | 262741 | 54.58 | ug/L | 97 |
| 74) ethylbenzene | 11.224 | 91 | 1312341 | 58.27 | ug/L | 100 |
| 75) m,p-xylene | 11.356 | 106 | 954032 | 117.17 | ug/L | 98 |
| 76) o-xylene | 11.725 | 106 | 465705 | 53.25 | ug/L | 98 |
| 77) styrene | 11.746 | 104 | 805297 | 53.61 | ug/L | 100 |
| 78) bromoform | 11.919 | 173 | 179692 | 57.43 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.142 | 53 | 115801 | 74.36 | ug/L | 96 |
| 81) isopropylbenzene | 12.080 | 105 | 1198294 | 59.74 | ug/L | 99 |
| 83) bromobenzene | 12.371 | 156 | 315212 | 57.29 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.378 | 83 | 428717 | 70.14 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.424 | 75 | 445533 | 64.48 | ug/L | 89 |
| 86) n-propylbenzene | 12.473 | 91 | 1517306 | 58.36 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.551 | 91 | 880789 | 55.88 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.665 | 91 | 1024755 | 56.78 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.645 | 105 | 993905 | 55.45 | ug/L | 99 |
| 90) tert-butylbenzene | 12.935 | 91 | 597868 | 52.07 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.990 | 105 | 995855 | 55.45 | ug/L | 98 |
| 92) sec-butylbenzene | 13.141 | 105 | 1349197 | 57.39 | ug/L | 98 |
| 93) 1,3-dichlorobenzene | 13.248 | 146 | 550437 | 55.68 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2601.D
 Acq On : 17 Oct 2011 9:22 pm
 Operator : AMYM
 Sample : bs
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:18:58 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

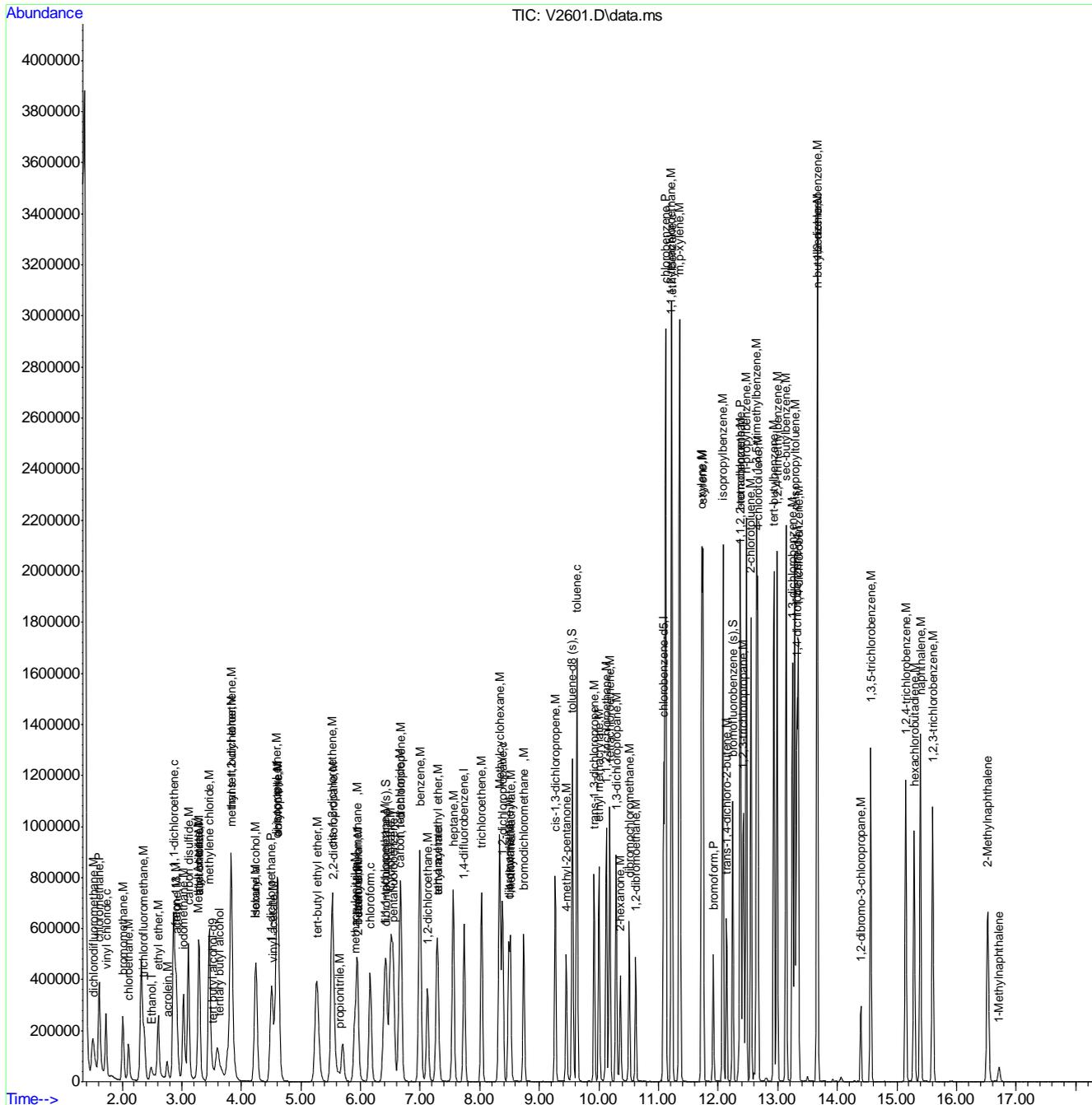
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.286 | 119 | 990035 | 59.45 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.345 | 146 | 560714 | 54.43 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.668 | 146 | 554603 | 57.78 | ug/L | 98 |
| 97) n-butylbenzene | 13.660 | 91 | 1101158 | 59.03 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.395 | 75 | 67129 | 67.55 | ug/L | 85 |
| 99) 1,3,5-trichlorobenzene | 14.562 | 180 | 362960 | 53.41 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.149 | 180 | 347521 | 51.80 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.290 | 225 | 200217 | 56.81 | ug/L | 98 |
| 102) naphthalene | 15.395 | 128 | 1041011 | 63.72 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.601 | 180 | 347020 | 52.93 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.525 | 142 | 476182 | 57.19 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.716 | 142 | 41996 | 6.03 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2601.D
 Acq On : 17 Oct 2011 9:22 pm
 Operator : AMYM
 Sample : bs
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:18:58 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

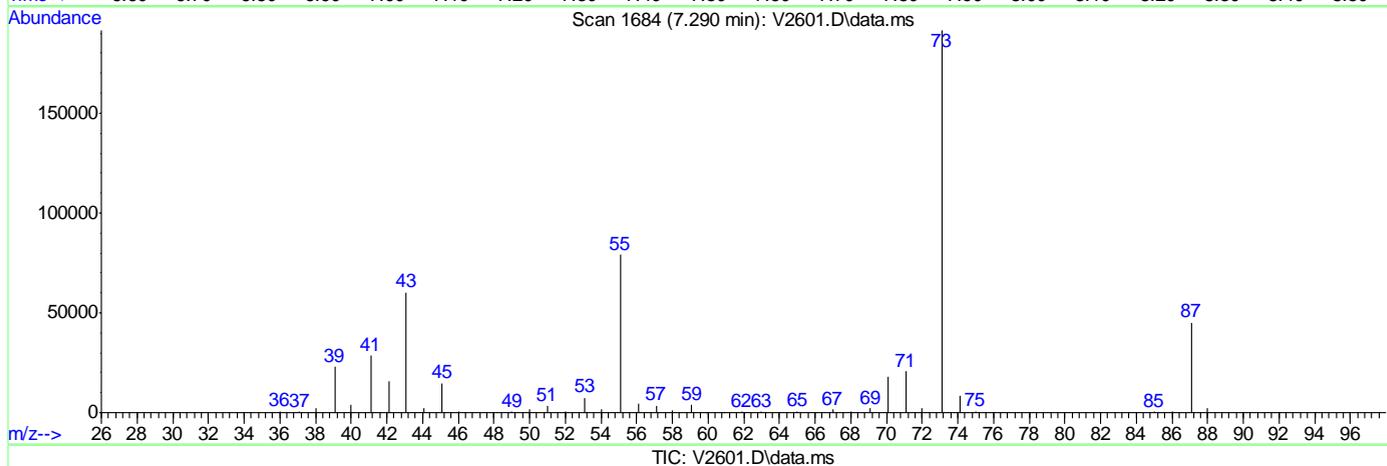
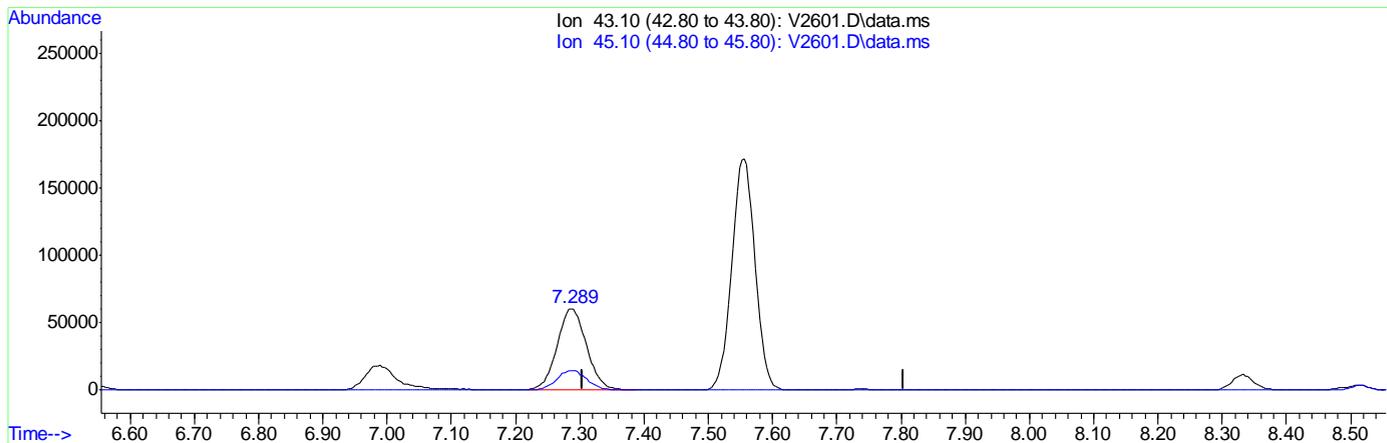


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2601.D
 Acq On : 17 Oct 2011 9:22 pm
 Operator : AMYM
 Sample : bs
 Misc : MS24148,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 07:44:11 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.3.4.1
 6



(37) ethyl acetate
 7.290min (-0.015) 56.92ug/L m
 response 195484

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56191.D Vial: 21
 Acq On : 15 Oct 2011 8:17 pm Operator: danat
 Sample : mc4644-lms Inst : MAMSN
 Misc : MS24146,MSN2108,,,,5,5 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:47 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.57 | 65 | 232509 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 569368 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 846640 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 375189 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 423772 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 265948 | 46.24 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 92.48% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1042030 | 48.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.56% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 385277 | 43.47 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 86.94% |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 211907 | 476.53 | ug/L # | 71 |
| 3) Ethanol | 5.42 | 45 | 328616 | 3408.30 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 243519 | 54.30 | ug/L | 100 |
| 6) chloromethane | 4.50 | 50 | 193288 | 46.86 | ug/L | 100 |
| 7) vinyl chloride | 4.75 | 62 | 242572 | 55.10 | ug/L | 96 |
| 8) bromomethane | 5.26 | 96 | 161083 | 46.76 | ug/L | 97 |
| 9) chloroethane | 5.43 | 64 | 166296 | 52.58 | ug/L | 95 |
| 10) ethyl ether | 6.32 | 59 | 189185 | 49.97 | ug/L | 92 |
| 11) acetonitrile | 5.98 | 41 | 46708 | 19.81 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.08 | 101 | 411760 | 51.62 | ug/L | 96 |
| 13) freon-113 | 6.86 | 101 | 258065 | 53.31 | ug/L | 96 |
| 14) acrolein | 6.07 | 56 | 57340 | 205.31 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 231032 | 53.59 | ug/L | 99 |
| 16) acetone | 6.20 | 43 | 64722 | 26.64 | ug/L | 96 |
| 17) Methyl Acetate | 6.85 | 43 | 244581 | 49.72 | ug/L | 96 |
| 18) methylene chloride | 6.82 | 84 | 262440 | 50.27 | ug/L | 97 |
| 19) methyl tert butyl ether | 7.61 | 73 | 621258 | 71.22 | ug/L | 100 |
| 20) acrylonitrile | 6.72 | 53 | 84210 | 273.59 | ug/L | 96 |
| 21) allyl chloride | 6.92 | 41 | 285115 | 51.36 | ug/L | 93 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 270329 | 51.19 | ug/L | 93 |
| 23) iodomethane | 6.73 | 142 | 333238 | 68.23 | ug/L | 99 |
| 24) carbon disulfide | 7.10 | 76 | 818878 | 51.48 | ug/L | 100 |
| 25) propionitrile | 6.65 | 54 | 3261 | 23.20 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 244581 | 49.72 | ug/L | 100 |
| 27) chloroprene | 8.14 | 53 | 328613 | 50.08 | ug/L | 90 |
| 28) di-isopropyl ether | 8.18 | 45 | 679477 | 46.67 | ug/L | 94 |
| 29) methacrylonitrile | 8.29 | 41 | 126781 | 48.22 | ug/L | 94 |
| 30) 2-butanone | 8.18 | 72 | 30344 | 49.93 | ug/L # | 93 |
| 31) Hexane | 8.17 | 41 | 283672 | 46.45 | ug/L | 90 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 466232 | 58.16 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 500601 | 126.99 | ug/L | 99 |
| 34) isobutyl alcohol | 8.17 | 43 | 547292 | 225.12 | ug/L | 87 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 263829 | 68.23 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 320299 | 53.25 | ug/L | 97 |
| 37) ethyl acetate | 8.17 | 43 | 545894 | 45.44 | ug/L | 97 |

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

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56191.D Vial: 21
 Acq On : 15 Oct 2011 8:17 pm Operator: danat
 Sample : mc4644-lms Inst : MAMSN
 Misc : MS24146,MSN2108,,,,5,5 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:47 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 139131 | 53.34 | ug/L | 90 |
| 39) chloroform | 8.55 | 83 | 443079 | 50.08 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.88 | 42 | 62496 | 51.12 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 392265 | 52.22 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 421080 | 52.09 | ug/L | 96 |
| 45) carbon tetrachloride | 9.67 | 117 | 332217 | 60.23 | ug/L | 92 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 354230 | 54.29 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 1053671 | 50.79 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 305237 | 49.54 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 460717 | 144.08 | ug/L | 97 |
| 50) heptane | 10.18 | 43 | 225019 | 50.79 | ug/L | 94 |
| 51) trichloroethene | 10.33 | 95 | 290420 | 52.13 | ug/L | 96 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 256275 | 53.80 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 162136 | 52.73 | ug/L | 98 |
| 54) bromodichloromethane | 10.38 | 83 | 324309 | 53.44 | ug/L | 100 |
| 55) Methylcyclohexane | 10.84 | 83 | 498583 | 55.73 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 256275 | 53.80 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 150286 | 49.87 | ug/L | 90 |
| 58) 1,4-dioxane | 10.47 | 88 | 17183 | 284.27 | ug/L | 93 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 391381 | 53.49 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 189657 | 50.39 | ug/L | 96 |
| 62) toluene | 11.78 | 92 | 697720 | 52.68 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 300886 | 60.63 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 202261 | 52.35 | ug/L | 98 |
| 65) ethyl methacrylate | 11.79 | 69 | 262050 | 49.18 | ug/L | 93 |
| 67) tetrachloroethene | 12.52 | 166 | 314516 | 54.50 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 407416 | 54.45 | ug/L | 98 |
| 69) dibromochloromethane | 12.11 | 129 | 265230 | 59.60 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 259753 | 55.37 | ug/L | 98 |
| 71) 2-hexanone | 11.94 | 43 | 130987 | 49.95 | ug/L | 100 |
| 72) chlorobenzene | 13.20 | 112 | 818846 | 55.31 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 267327 | 58.01 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 1305130 | 53.37 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 1083742 | 110.73 | ug/L | 96 |
| 76) o-xylene | 13.97 | 106 | 536305 | 56.72 | ug/L | 98 |
| 77) styrene | 13.90 | 104 | 839838 | 56.91 | ug/L | 97 |
| 78) bromoform | 13.72 | 173 | 167441 | 51.20 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 25963 | 88.56 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 1188082 | 51.08 | ug/L | 97 |
| 83) bromobenzene | 14.62 | 156 | 352031 | 50.51 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 315034 | 51.73 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 277933 | 54.89 | ug/L | 98 |
| 86) n-propylbenzene | 14.78 | 91 | 1570319 | 50.80 | ug/L | 96 |
| 87) 2-chlorotoluene | 14.90 | 91 | 926008 | 48.93 | ug/L | 98 |
| 88) 4-chlorotoluene | 14.97 | 91 | 945921 | 50.10 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1183470 | 52.45 | ug/L | 97 |
| 90) tert-butylbenzene | 15.36 | 91 | 629053 | 50.13 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 1196087 | 51.39 | ug/L | 98 |
| 92) sec-butylbenzene | 15.58 | 105 | 1592146 | 53.51 | ug/L | 99 |

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

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56191.D Vial: 21
 Acq On : 15 Oct 2011 8:17 pm Operator: danat
 Sample : mc4644-1ms Inst : MAMSN
 Misc : MS24146,MSN2108,,,,,5,5 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:47 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 676032 | 50.54 | ug/L | 98 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1287335 | 54.77 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 694639 | 51.41 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 653040 | 51.42 | ug/L | 100 |
| 97) n-butylbenzene | 16.17 | 91 | 1204543 | 53.82 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 52844 | 53.54 | ug/L | 94 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 455893 | 55.13 | ug/L | 95 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 517554 | 54.04 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 232886 | 54.44 | ug/L | 95 |
| 102) naphthalene | 18.28 | 128 | 1071037 | 50.67 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 420392 | 57.74 | ug/L | 99 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 166092 | 25.53 | ug/L # | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56191.D N100711W.M Mon Oct 17 13:40:32 2011 RP1

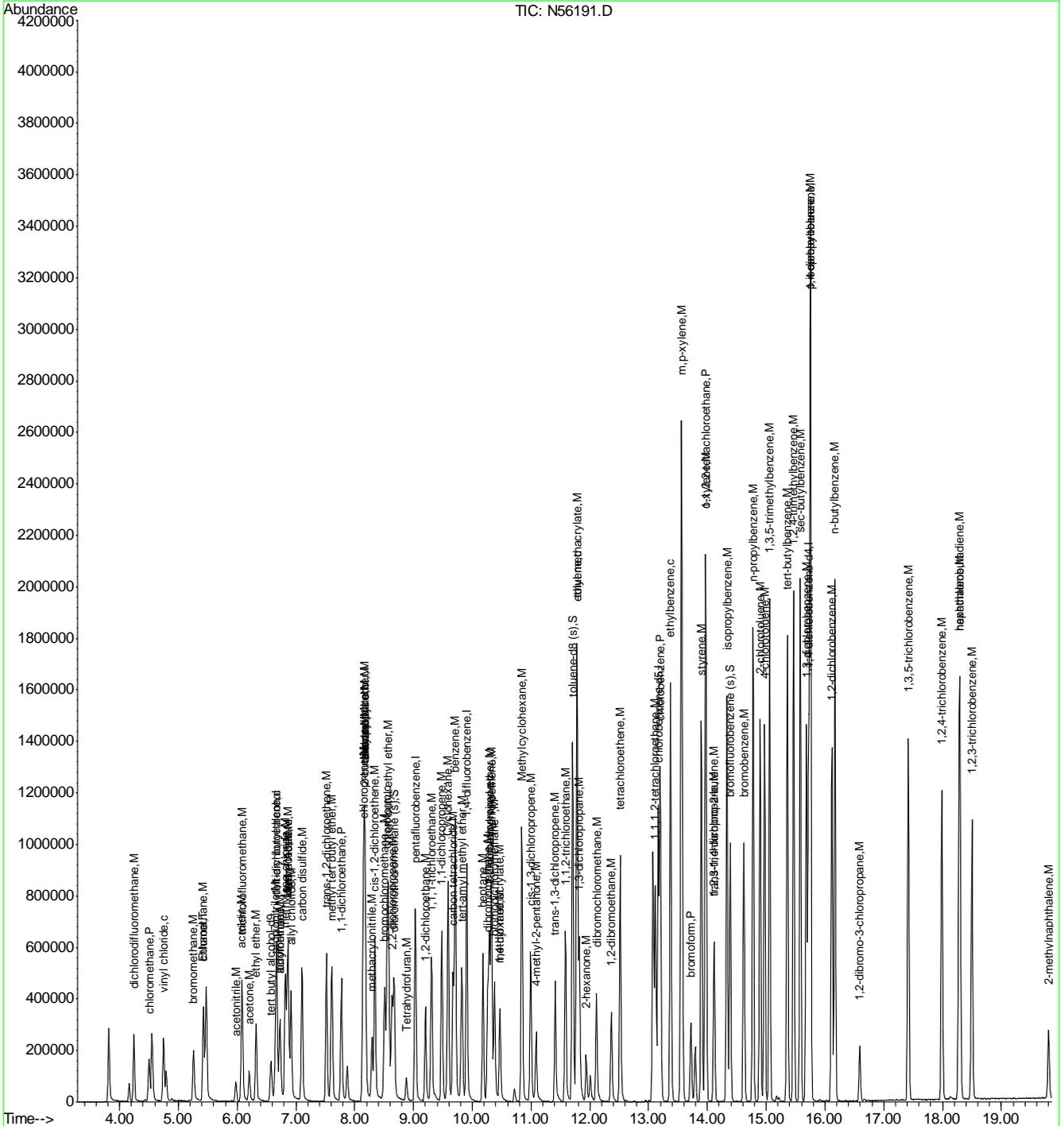
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56191.D
Acq On : 15 Oct 2011 8:17 pm
Sample : mc4644-lms
Misc : MS24146,MSN2108,,,5,5
MS Integration Params: RTEINT.P
Quant Time: Oct 17 9:48 2011

Vial: 21
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56192.D Vial: 22
 Acq On : 15 Oct 2011 8:45 pm Operator: danat
 Sample : mc4644-1msd Inst : MAMSN
 Misc : MS24146,MSN2108,,,,5,5 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:57 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 238481 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 560327 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 840705 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 385344 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 424000 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 263662 | 46.58 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 93.16% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1033824 | 48.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.46% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 391626 | 44.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.32% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 218635 | 479.35 | ug/L | # 71 |
| 3) Ethanol | 5.42 | 45 | 342144 | 3462.75 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 250364 | 56.73 | ug/L | 98 |
| 6) chloromethane | 4.50 | 50 | 203918 | 50.07 | ug/L | 97 |
| 7) vinyl chloride | 4.75 | 62 | 253340 | 58.65 | ug/L | 96 |
| 8) bromomethane | 5.26 | 96 | 158543 | 46.76 | ug/L | 96 |
| 9) chloroethane | 5.43 | 64 | 173005 | 55.58 | ug/L | 94 |
| 10) ethyl ether | 6.32 | 59 | 191966 | 51.52 | ug/L | 91 |
| 11) acetonitrile | 5.98 | 41 | 46999 | 20.33 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.08 | 101 | 425122 | 54.15 | ug/L | 93 |
| 13) freon-113 | 6.87 | 101 | 265468 | 55.72 | ug/L | 99 |
| 14) acrolein | 6.07 | 56 | 57810 | 210.33 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 237784 | 56.16 | ug/L | 97 |
| 16) acetone | 6.21 | 43 | 64665 | 27.18 | ug/L | 98 |
| 17) Methyl Acetate | 6.85 | 43 | 238114m | 49.19 | ug/L | |
| 18) methylene chloride | 6.82 | 84 | 267220 | 52.01 | ug/L | 97 |
| 19) methyl tert butyl ether | 7.61 | 73 | 627888 | 72.96 | ug/L | 98 |
| 20) acrylonitrile | 6.72 | 53 | 84291 | 278.27 | ug/L | 96 |
| 21) allyl chloride | 6.92 | 41 | 291568 | 53.46 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 273749 | 52.67 | ug/L | 94 |
| 23) iodomethane | 6.73 | 142 | 329536 | 68.56 | ug/L | 99 |
| 24) carbon disulfide | 7.10 | 76 | 845917 | 54.04 | ug/L | 100 |
| 25) propionitrile | 6.64 | 54 | 3165 | 22.84 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 239291m | 49.43 | ug/L | |
| 27) chloroprene | 8.14 | 53 | 334178 | 51.75 | ug/L | 91 |
| 28) di-isopropyl ether | 8.18 | 45 | 691257 | 48.25 | ug/L | 95 |
| 29) methacrylonitrile | 8.29 | 41 | 129156 | 49.92 | ug/L | 94 |
| 30) 2-butanone | 8.18 | 72 | 31642 | 52.90 | ug/L | # 59 |
| 31) Hexane | 8.17 | 41 | 289508 | 48.17 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 474675 | 60.17 | ug/L | 99 |
| 33) tert-butyl ether | 8.57 | 59 | 514943 | 131.31 | ug/L | 98 |
| 34) isobutyl alcohol | 8.17 | 43 | 561996 | 234.90 | ug/L | 90 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 269914 | 70.35 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 328908 | 55.56 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 561996 | 47.53 | ug/L | 100 |

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

N56192.D N100711W.M Mon Oct 17 13:42:12 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56192.D
 Acq On : 15 Oct 2011 8:45 pm
 Sample : mc4644-1msd
 Misc : MS24146,MSN2108,,,,5,5
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:57 2011

Vial: 22
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 142491 | 55.51 | ug/L | 94 |
| 39) chloroform | 8.55 | 83 | 452260 | 51.94 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.88 | 42 | 64834 | 53.89 | ug/L | 91 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 411447 | 55.57 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 440648 | 54.90 | ug/L | 95 |
| 45) carbon tetrachloride | 9.67 | 117 | 344268 | 62.86 | ug/L | 97 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 367559 | 56.74 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 1082340 | 52.54 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 308312 | 50.40 | ug/L | 97 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 470299 | 146.89 | ug/L | 98 |
| 50) heptane | 10.18 | 43 | 232803 | 52.92 | ug/L | 93 |
| 51) trichloroethene | 10.33 | 95 | 298548 | 53.97 | ug/L | 94 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 261216 | 55.23 | ug/L | 98 |
| 53) dibromomethane | 10.26 | 93 | 165686 | 54.26 | ug/L | 96 |
| 54) bromodichloromethane | 10.38 | 83 | 331410 | 54.99 | ug/L | 98 |
| 55) Methylcyclohexane | 10.84 | 83 | 515101 | 57.98 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 261216 | 55.23 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 152056 | 50.73 | ug/L | 93 |
| 58) 1,4-dioxane | 10.47 | 88 | 17248 | 287.36 | ug/L | 95 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 397353 | 54.63 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 193371 | 51.74 | ug/L | 95 |
| 62) toluene | 11.78 | 92 | 720030 | 54.75 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 304800 | 61.74 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 205962 | 53.68 | ug/L | 98 |
| 65) ethyl methacrylate | 11.79 | 69 | 267905 | 50.53 | ug/L | 94 |
| 67) tetrachloroethene | 12.52 | 166 | 328334 | 55.39 | ug/L | 96 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 407083 | 52.97 | ug/L | 100 |
| 69) dibromochloromethane | 12.11 | 129 | 269534 | 58.97 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 261868 | 54.35 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 133552 | 49.58 | ug/L | 96 |
| 72) chlorobenzene | 13.20 | 112 | 838573 | 55.15 | ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 271489 | 57.36 | ug/L | 97 |
| 74) ethylbenzene | 13.37 | 91 | 1348130 | 53.67 | ug/L | 98 |
| 75) m,p-xylene | 13.56 | 106 | 1123088 | 111.72 | ug/L | 98 |
| 76) o-xylene | 13.97 | 106 | 543694 | 55.99 | ug/L | 100 |
| 77) styrene | 13.90 | 104 | 874639 | 57.71 | ug/L | 99 |
| 78) bromoform | 13.72 | 173 | 172186 | 51.25 | ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 27303 | 90.11 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 1241590 | 53.35 | ug/L | 98 |
| 83) bromobenzene | 14.62 | 156 | 361072 | 51.78 | ug/L | 99 |
| 84) 1,1,2,2-tetrachloroethane | 13.97 | 83 | 317700 | 52.14 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 284703 | 56.20 | ug/L | 99 |
| 86) n-propylbenzene | 14.78 | 91 | 1649386 | 53.33 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.90 | 91 | 962357 | 50.82 | ug/L | 99 |
| 88) 4-chlorotoluene | 14.97 | 91 | 982492 | 52.01 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1226370 | 54.32 | ug/L | 96 |
| 90) tert-butylbenzene | 15.36 | 91 | 660891 | 52.63 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 1241833 | 53.33 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 1660513 | 55.77 | ug/L | 97 |

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

N56192.D N100711W.M

Mon Oct 17 13:42:12 2011

RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56192.D Vial: 22
 Acq On : 15 Oct 2011 8:45 pm Operator: danat
 Sample : mc4644-1msd Inst : MAMSN
 Misc : MS24146,MSN2108,,,,5,5 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 09:48:57 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 708980 | 52.98 | ug/L | 98 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1339473 | 56.95 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 717184 | 53.05 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 672511 | 52.93 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 1257549 | 56.16 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 54405 | 55.10 | ug/L | 88 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 481923 | 58.24 | ug/L | 97 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 539040 | 56.26 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 249319 | 58.25 | ug/L | 97 |
| 102) naphthalene | 18.28 | 128 | 1139727 | 53.68 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 442788 | 60.78 | ug/L | 98 |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56192.D N100711W.M Mon Oct 17 13:42:13 2011 RP1

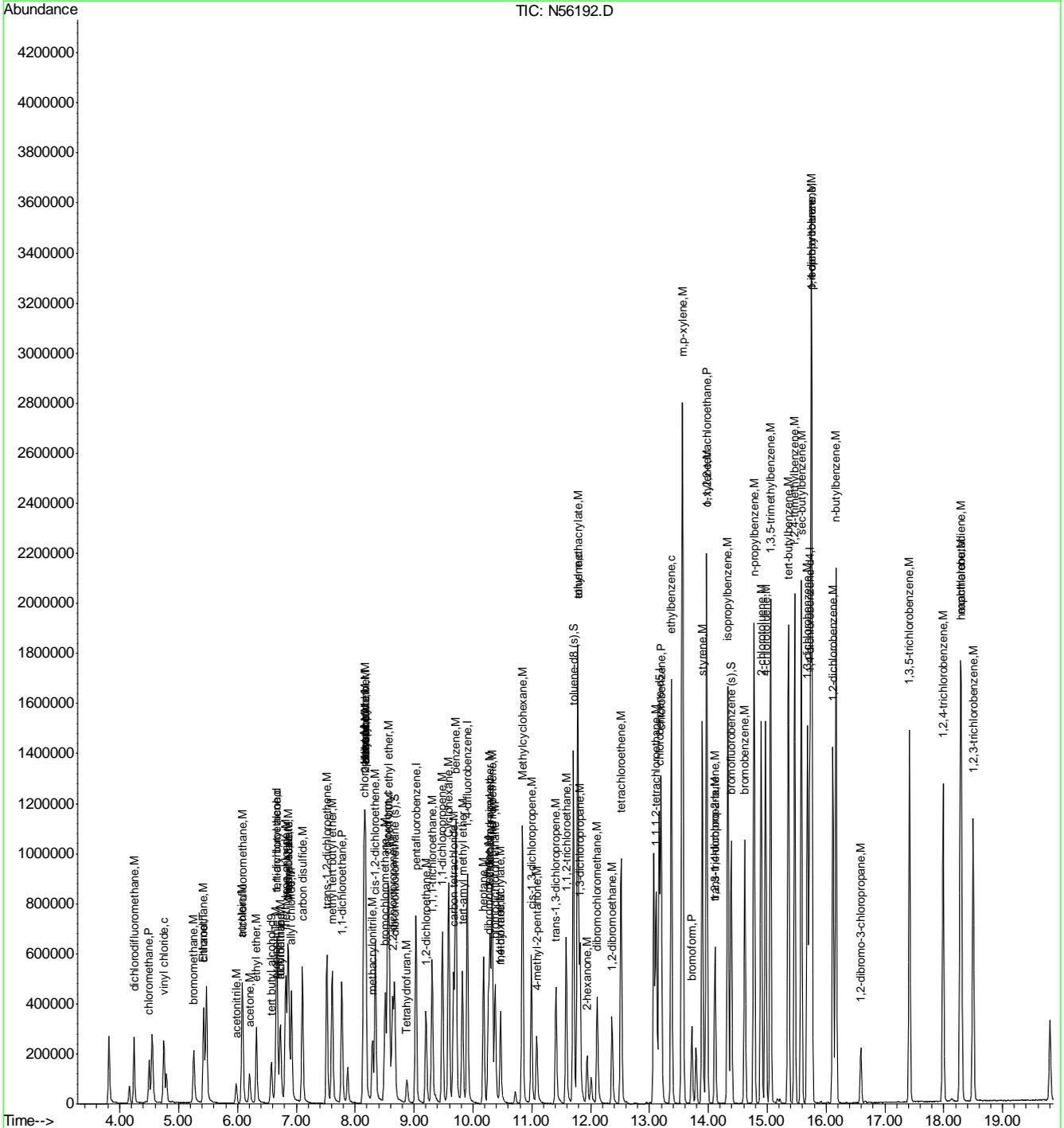
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56192.D
Acq On : 15 Oct 2011 8:45 pm
Sample : mc4644-lmsd
Misc : MS24146,MSN2108,,,5,5
MS Integration Params: RTEINT.P
Quant Time: Oct 17 13:41 2011

Vial: 22
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Oct 08 14:46:19 2011
Response via : Initial Calibration



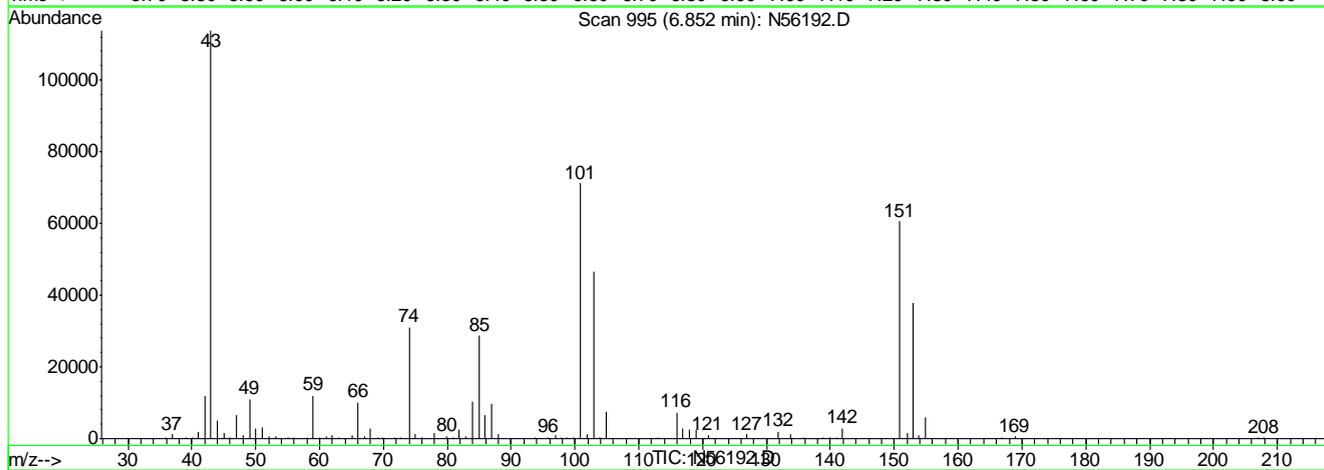
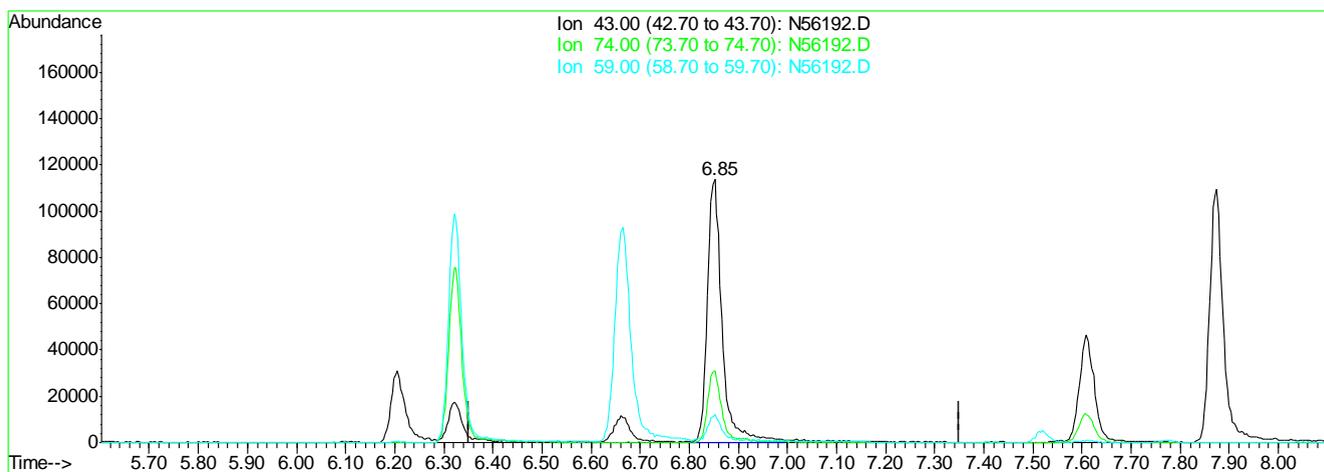
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N56192.D
 Acq On : 15 Oct 2011 8:45 pm
 Sample : mc4644-lmsd
 Misc : MS24146,MSN2108,,,,5,5
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 13:41 2011

Vial: 22
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Multiple Level Calibration



(17) Methyl Acetate (M)

6.85min 49.19ug/L m

response 238114

| lon | Exp% | Act% |
|-------|-------|-------|
| 43.00 | 100 | 100 |
| 74.00 | 25.00 | 27.20 |
| 59.00 | 9.10 | 10.54 |
| 0.00 | 0.00 | 0.00 |

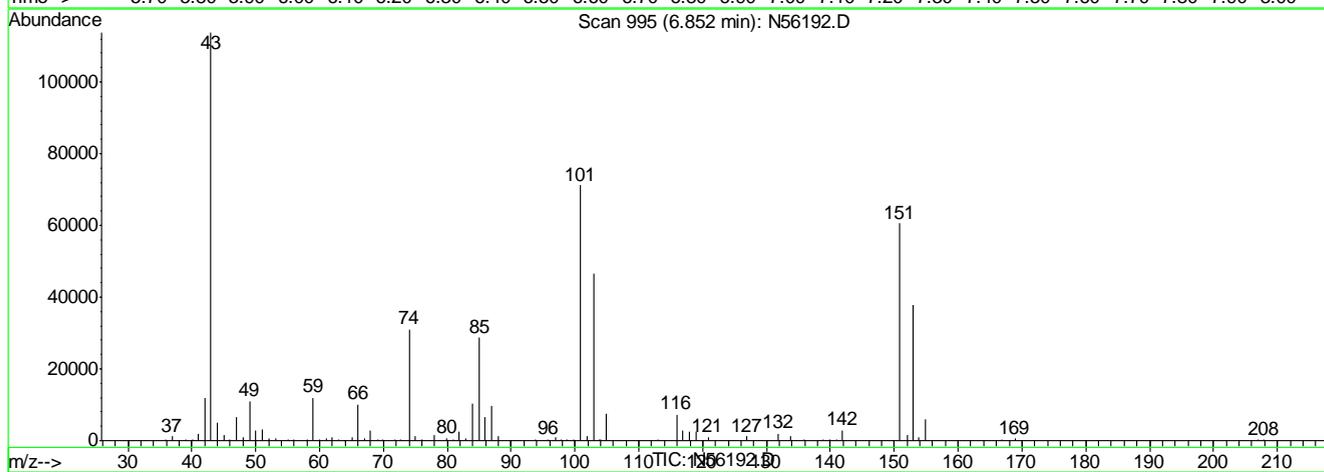
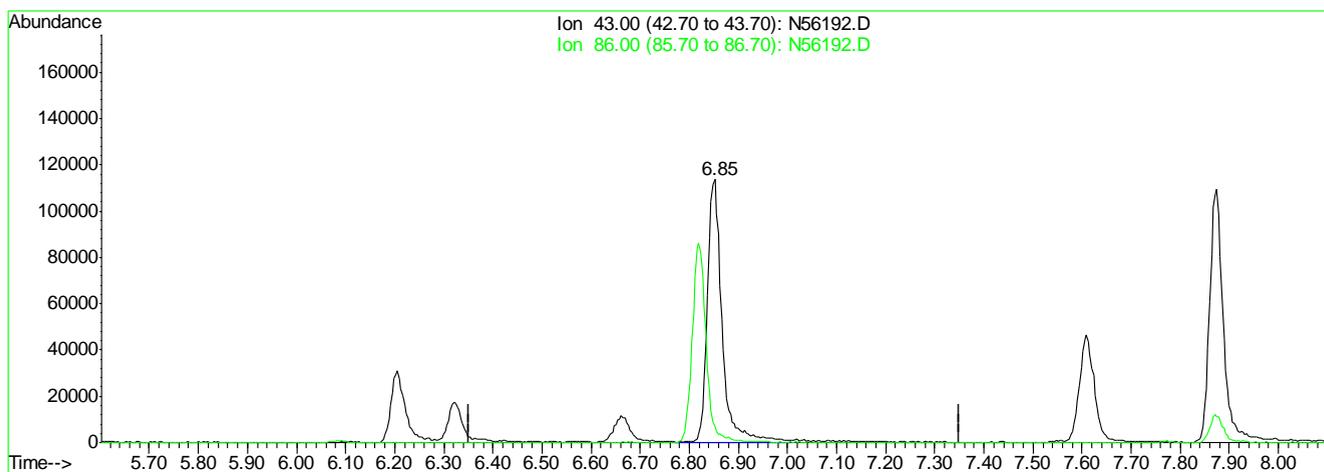
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\N56192.D
 Acq On : 15 Oct 2011 8:45 pm
 Sample : mc4644-lmsd
 Misc : MS24146,MSN2108,,,,5,5
 MS Integration Params: RTEINT.P
 Quant Time: Oct 17 13:41 2011

Vial: 22
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Multiple Level Calibration



(26) vinyl acetate (M)

6.85min 49.43ug/L m

response 239291

| Ion | Exp% | Act% |
|-------|------|------|
| 43.00 | 100 | 100 |
| 86.00 | 5.70 | 5.89 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 08:59:44 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|--------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.517 | 65 | 175426 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.549 | 168 | 296782 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.737 | 114 | 504822 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.089 | 82 | 282562 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 260435 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.429 | 113 | 189713 | 51.80 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.60% | |
| 60) toluene-d8 (s) | 9.555 | 98 | 654670 | 50.69 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.38% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 250625 | 49.36 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.72% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.619 | 59 | 235826 | 560.35 | ug/L | | 93 |
| 3) Ethanol | 2.490 | 45 | 97563 | 3355.25 | ug/L # | | 74 |
| 5) dichlorodifluoromethane | 1.508 | 85 | 270473 | 50.33 | ug/L | | 99 |
| 6) chloromethane | 1.657 | 50 | 227569 | 48.82 | ug/L | | 99 |
| 7) vinyl chloride | 1.759 | 62 | 227649 | 44.28 | ug/L | | 96 |
| 8) bromomethane | 2.028 | 96 | 149030 | 53.39 | ug/L | | 95 |
| 9) chloroethane | 2.105 | 64 | 127152 | 54.77 | ug/L | | 96 |
| 10) ethyl ether | 2.597 | 59 | 147380 | 57.81 | ug/L | | 100 |
| 11) acetonitrile | 3.281 | 41 | 345269 | 53.86 | ug/L | | 99 |
| 12) trichlorofluoromethane | 2.344 | 101 | 347694m | 54.81 | ug/L | | |
| 13) freon-113 | 2.891 | 101 | 243371 | 56.40 | ug/L | | 91 |
| 14) acrolein | 2.750 | 56 | 113811 | 597.99 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.854 | 96 | 219174 | 61.17 | ug/L | | 95 |
| 16) acetone | 2.900 | 43 | 88174 | 76.38 | ug/L | | 96 |
| 17) Methyl Acetate | 3.271 | 43 | 372264 | 90.97 | ug/L | | 93 |
| 18) methylene chloride | 3.454 | 84 | 266078 | 55.05 | ug/L # | | 82 |
| 19) methyl tert butyl ether | 3.826 | 73 | 535394 | 54.94 | ug/L | | 95 |
| 20) acrylonitrile | 4.607 | 53 | 355276 | 319.04 | ug/L | | 99 |
| 21) allyl chloride | 3.281 | 41 | 345269 | 53.90 | ug/L | | 91 |
| 22) trans-1,2-dichloroethene | 3.821 | 96 | 243111 | 59.43 | ug/L | | 92 |
| 23) iodomethane | 3.022 | 142 | 362611 | 56.24 | ug/L | | 99 |
| 24) carbon disulfide | 3.104 | 76 | 770158 | 54.30 | ug/L | | 99 |
| 25) propionitrile | 5.642 | 54 | 40862 | 74.13 | ug/L | | 100 |
| 26) vinyl acetate | 4.525 | 43 | 394095 | 46.53 | ug/L | | 96 |
| 27) chloroprene | 4.607 | 53 | 355276 | 63.81 | ug/L | | 95 |
| 28) di-isopropyl ether | 4.591 | 45 | 716457 | 57.75 | ug/L | | 94 |
| 29) methacrylonitrile | 5.912 | 41 | 197231 | 78.48 | ug/L | | 93 |
| 30) 2-butanone | 5.951 | 72 | 34953 | 74.47 | ug/L | | 85 |
| 31) Hexane | 4.235 | 41 | 247844 | 63.76 | ug/L | | 96 |
| 32) 1,1-dichloroethane | 4.495 | 63 | 433803 | 57.71 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.263 | 59 | 538655 | 50.78 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.235 | 43 | 223263 | 324.29 | ug/L | | 97 |
| 35) 2,2-dichloropropane | 5.533 | 77 | 271403 | 51.99 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.519 | 96 | 260529 | 58.42 | ug/L | | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 08:59:44 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.287 | 43 | 152294m | 53.21 | ug/L | |
| 38) bromochloromethane | 5.941 | 128 | 122651 | 59.43 | ug/L | # 78 |
| 39) chloroform | 6.159 | 83 | 438402 | 57.62 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.949 | 42 | 86658 | 84.19 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 6.400 | 97 | 333581 | 58.39 | ug/L | 93 |
| 44) Cyclohexane | 6.505 | 56 | 427647 | 55.80 | ug/L | 95 |
| 45) carbon tetrachloride | 6.653 | 117 | 315662 | 53.42 | ug/L | 100 |
| 46) 1,1-dichloropropene | 6.673 | 75 | 343811 | 60.42 | ug/L | 97 |
| 47) benzene | 6.993 | 78 | 946714 | 57.55 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.121 | 62 | 333144 | 60.66 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.286 | 73 | 460384 | 49.95 | ug/L | 94 |
| 50) heptane | 7.552 | 43 | 379417 | 66.99 | ug/L | 93 |
| 51) trichloroethene | 8.030 | 95 | 254229 | 60.41 | ug/L | 94 |
| 52) 1,2-dichloropropane | 8.381 | 63 | 258027 | 57.67 | ug/L | 98 |
| 53) dibromomethane | 8.485 | 93 | 172780 | 64.58 | ug/L | 91 |
| 54) bromodichloromethane | 8.737 | 83 | 308435 | 54.75 | ug/L | 100 |
| 55) Methylcyclohexane | 8.333 | 83 | 412575 | 59.97 | ug/L | 92 |
| 57) methyl methacrylate | 8.517 | 69 | 195198 | 72.42 | ug/L | 90 |
| 58) 1,4-dioxane | 8.502 | 88 | 14766 | 336.62 | ug/L | 65 |
| 59) cis-1,3-dichloropropene | 9.267 | 75 | 348910 | 51.86 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.453 | 43 | 297221 | 80.89 | ug/L | 93 |
| 62) toluene | 9.631 | 92 | 580671 | 57.49 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.921 | 75 | 320246 | 58.43 | ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.126 | 83 | 200681 | 63.23 | ug/L | 97 |
| 65) ethyl methacrylate | 10.004 | 69 | 318295 | 59.76 | ug/L | 89 |
| 67) tetrachloroethene | 10.184 | 166 | 242604 | 57.70 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.290 | 76 | 388751 | 62.18 | ug/L | 98 |
| 69) dibromochloromethane | 10.509 | 129 | 224365 | 56.07 | ug/L | 99 |
| 70) 1,2-dibromoethane | 10.619 | 107 | 235258 | 67.70 | ug/L | 98 |
| 71) 2-hexanone | 10.364 | 43 | 227358 | 84.70 | ug/L | 93 |
| 72) chlorobenzene | 11.118 | 112 | 643969 | 56.92 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.219 | 131 | 212410 | 52.81 | ug/L | 96 |
| 74) ethylbenzene | 11.224 | 91 | 1129447 | 60.06 | ug/L | 99 |
| 75) m,p-xylene | 11.356 | 106 | 823230 | 121.08 | ug/L | 99 |
| 76) o-xylene | 11.726 | 106 | 388706 | 53.23 | ug/L | 98 |
| 77) styrene | 11.747 | 104 | 675284 | 53.85 | ug/L | 98 |
| 78) bromoform | 11.921 | 173 | 145590 | 56.01 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.143 | 53 | 102561 | 78.77 | ug/L | 96 |
| 81) isopropylbenzene | 12.081 | 105 | 1035604 | 61.02 | ug/L | 98 |
| 83) bromobenzene | 12.372 | 156 | 265696 | 57.05 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.379 | 83 | 368192 | 71.16 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.425 | 75 | 382196 | 65.34 | ug/L | 89 |
| 86) n-propylbenzene | 12.474 | 91 | 1336688 | 60.73 | ug/L | 98 |
| 87) 2-chlorotoluene | 12.552 | 91 | 758357 | 56.84 | ug/L | 98 |
| 88) 4-chlorotoluene | 12.666 | 91 | 903786 | 59.16 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.646 | 105 | 852985 | 56.22 | ug/L | 99 |
| 90) tert-butylbenzene | 12.936 | 91 | 522532 | 53.82 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 12.991 | 105 | 869592 | 57.20 | ug/L | 99 |
| 92) sec-butylbenzene | 13.142 | 105 | 1163451 | 58.46 | ug/L | 99 |
| 93) 1,3-dichlorobenzene | 13.248 | 146 | 484992 | 57.96 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 08:59:44 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.287 | 119 | 863390 | 61.25 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.346 | 146 | 500062 | 57.35 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.668 | 146 | 481451 | 59.26 | ug/L | 99 |
| 97) n-butylbenzene | 13.660 | 91 | 1009214 | 63.91 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.395 | 75 | 61241 | 72.16 | ug/L | 86 |
| 99) 1,3,5-trichlorobenzene | 14.561 | 180 | 328339 | 57.08 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.147 | 180 | 321805 | 56.61 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.287 | 225 | 175396 | 58.79 | ug/L | 96 |
| 102) naphthalene | 15.393 | 128 | 923692 | 66.70 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.599 | 180 | 308521 | 55.60 | ug/L | 98 |
| 104) 2-Methylnaphthalene | 16.518 | 142 | 494072 | 69.61 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.518 | 142 | 494072 | 78.28 | ug/L | 98 |

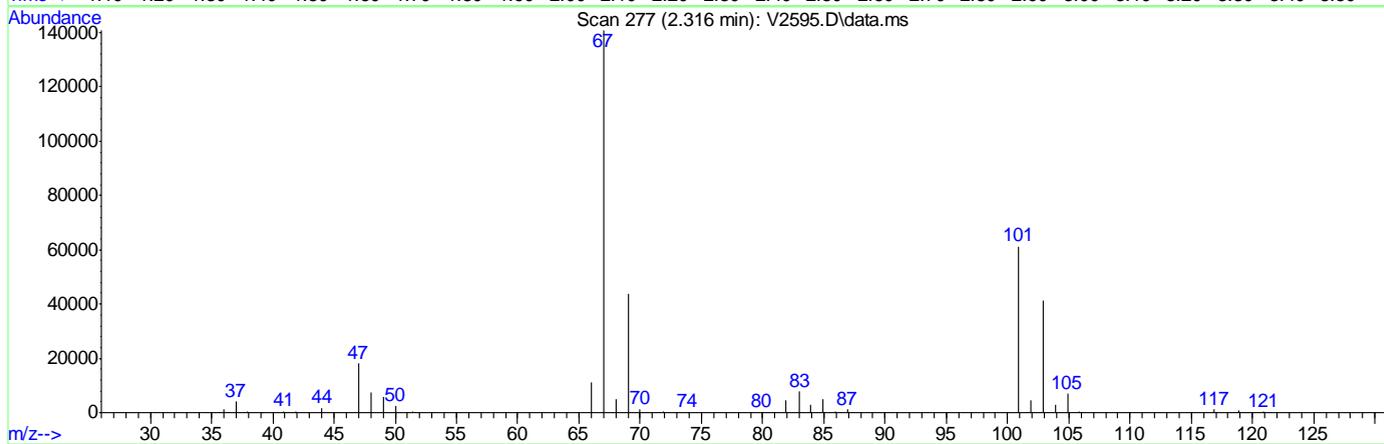
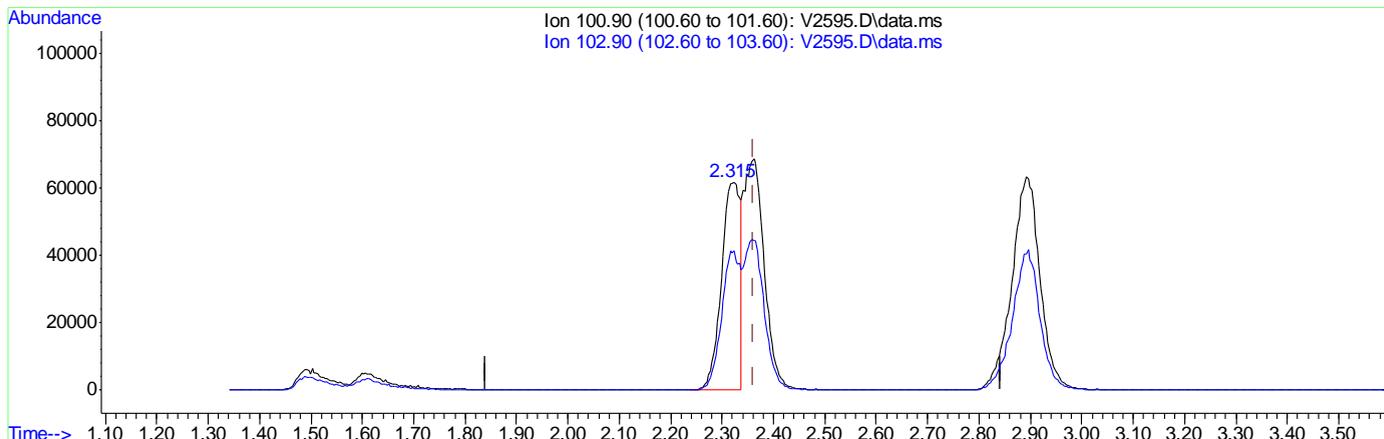
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 07:44:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.4.3.1
 6



(12) trichlorofluoromethane (M)

2.315min (-0.047) 25.03ug/L

response 158757

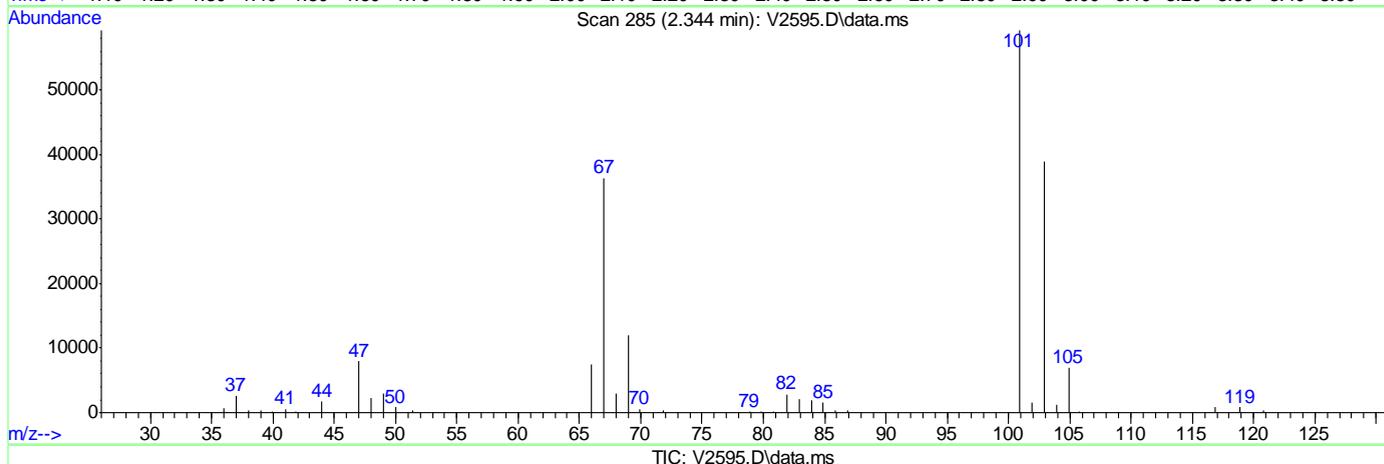
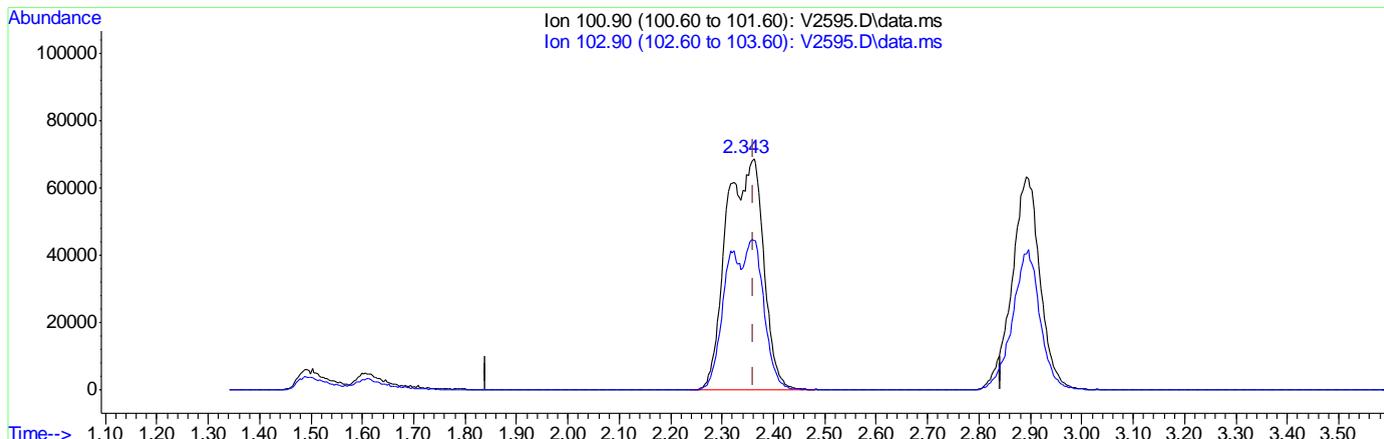
| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 67.46 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 07:44:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.4.3.2
 6



(12) trichlorofluoromethane (M)

2.344min (-0.018) 54.81ug/L m

response 347694

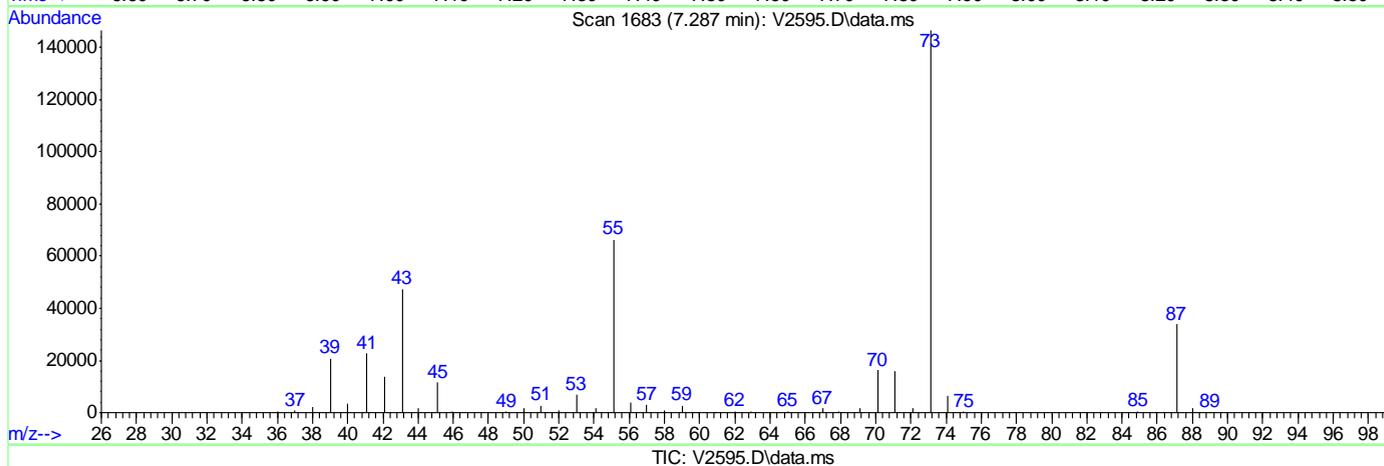
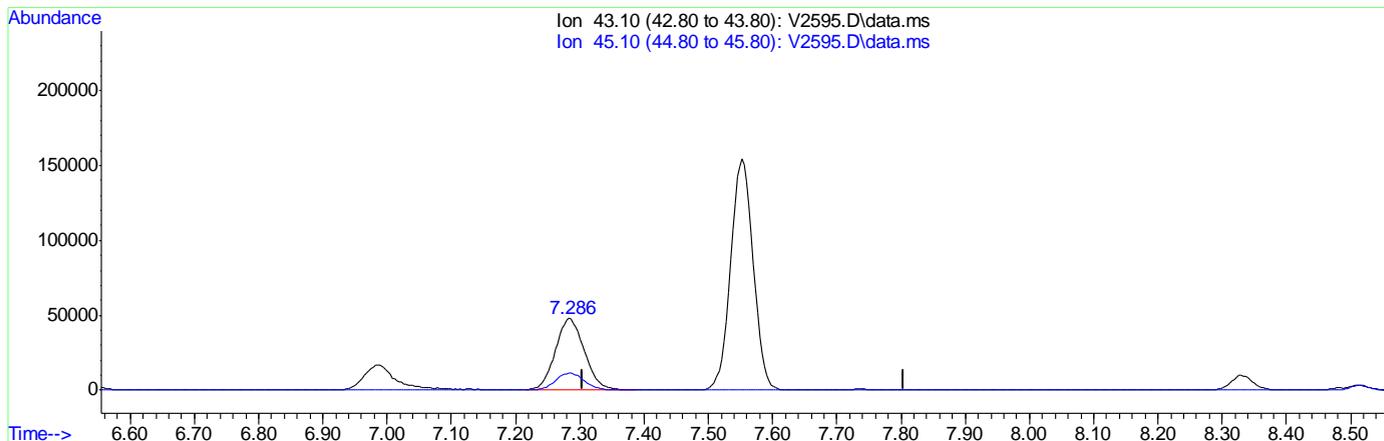
| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 65.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2595.D
 Acq On : 17 Oct 2011 6:17 pm
 Operator : AMYM
 Sample : mc4292-3ms
 Misc : MS24155,MSV112,4.715,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 18 07:44:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.4.3.3
 6



(37) ethyl acetate
 7.287min (-0.018) 53.21ug/L m
 response 152294

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 09:04:55 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|--------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.515 | 65 | 185856 | 500.00 | ug/L | -0.04 | |
| 4) pentafluorobenzene | 6.549 | 168 | 310573 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.737 | 114 | 533268 | 50.00 | ug/L | -0.02 | |
| 66) chlorobenzene-d5 | 11.088 | 82 | 299326 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 277954 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.429 | 113 | 197593 | 51.55 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.10% | |
| 60) toluene-d8 (s) | 9.555 | 98 | 693218 | 50.81 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.62% | |
| 82) bromofluorobenzene (s) | 12.246 | 95 | 268164 | 49.48 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.96% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.618 | 59 | 248205 | 556.67 | ug/L | | 98 |
| 3) Ethanol | 2.490 | 45 | 100321 | 3262.95 | ug/L # | | 76 |
| 5) dichlorodifluoromethane | 1.510 | 85 | 214572 | 38.16 | ug/L | | 97 |
| 6) chloromethane | 1.658 | 50 | 183026 | 37.52 | ug/L | | 99 |
| 7) vinyl chloride | 1.760 | 62 | 178354 | 33.15 | ug/L | | 99 |
| 8) bromomethane | 2.028 | 96 | 122699 | 42.00 | ug/L | | 96 |
| 9) chloroethane | 2.105 | 64 | 101529 | 41.79 | ug/L | | 100 |
| 10) ethyl ether | 2.598 | 59 | 135694 | 50.87 | ug/L | | 97 |
| 11) acetonitrile | 3.281 | 41 | 286322 | 42.43 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.344 | 101 | 267952m | 40.36 | ug/L | | |
| 13) freon-113 | 2.893 | 101 | 189093 | 41.87 | ug/L | | 94 |
| 14) acrolein | 2.750 | 56 | 116994 | 587.41 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.855 | 96 | 170503 | 45.48 | ug/L | | 95 |
| 16) acetone | 2.900 | 43 | 88877 | 73.22 | ug/L | | 96 |
| 17) Methyl Acetate | 3.271 | 43 | 369905 | 86.38 | ug/L # | | 91 |
| 18) methylene chloride | 3.455 | 84 | 232973 | 45.17 | ug/L | | 85 |
| 19) methyl tert butyl ether | 3.826 | 73 | 506615 | 49.89 | ug/L | | 94 |
| 20) acrylonitrile | 4.608 | 53 | 276606 | 237.36 | ug/L | | 98 |
| 21) allyl chloride | 3.281 | 41 | 286322 | 42.47 | ug/L | | 91 |
| 22) trans-1,2-dichloroethene | 3.822 | 96 | 195278 | 45.61 | ug/L | | 96 |
| 23) iodomethane | 3.023 | 142 | 301313 | 44.66 | ug/L | | 98 |
| 24) carbon disulfide | 3.106 | 76 | 588968 | 39.96 | ug/L | | 100 |
| 25) propionitrile | 5.641 | 54 | 42485 | 73.66 | ug/L | | 100 |
| 26) vinyl acetate | 4.525 | 43 | 358818 | 40.78 | ug/L | | 96 |
| 27) chloroprene | 4.608 | 53 | 276606 | 47.47 | ug/L | | 96 |
| 28) di-isopropyl ether | 4.591 | 45 | 613216 | 47.24 | ug/L | | 95 |
| 29) methacrylonitrile | 5.912 | 41 | 198423 | 75.45 | ug/L | | 98 |
| 30) 2-butanone | 5.951 | 72 | 37275 | 75.85 | ug/L | | 80 |
| 31) Hexane | 4.235 | 41 | 190039 | 46.72 | ug/L | | 97 |
| 32) 1,1-dichloroethane | 4.496 | 63 | 354107 | 45.02 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.263 | 59 | 477891 | 43.50 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.236 | 43 | 171275 | 237.73 | ug/L | | 95 |
| 35) 2,2-dichloropropane | 5.534 | 77 | 212263 | 39.67 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 5.519 | 96 | 219788 | 47.09 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 09:04:55 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.287 | 43 | 138467m | 46.59 | ug/L | |
| 38) bromochloromethane | 5.941 | 128 | 111608 | 51.68 | ug/L # | 81 |
| 39) chloroform | 6.159 | 83 | 365603 | 45.92 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.949 | 42 | 90823 | 84.32 | ug/L | 88 |
| 42) 1,1,1-trichloroethane | 6.400 | 97 | 262599 | 43.93 | ug/L | 93 |
| 44) Cyclohexane | 6.506 | 56 | 331923 | 41.00 | ug/L | 93 |
| 45) carbon tetrachloride | 6.653 | 117 | 243557 | 39.33 | ug/L | 100 |
| 46) 1,1-dichloropropene | 6.672 | 75 | 267980 | 44.58 | ug/L | 96 |
| 47) benzene | 6.992 | 78 | 780523 | 44.92 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.120 | 62 | 307148 | 52.95 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.286 | 73 | 421740 | 43.94 | ug/L | 94 |
| 50) heptane | 7.552 | 43 | 300304 | 50.19 | ug/L | 93 |
| 51) trichloroethene | 8.029 | 95 | 206063 | 46.35 | ug/L | 92 |
| 52) 1,2-dichloropropane | 8.381 | 63 | 220529 | 46.66 | ug/L | 98 |
| 53) dibromomethane | 8.485 | 93 | 161858 | 57.27 | ug/L | 89 |
| 54) bromodichloromethane | 8.737 | 83 | 268318 | 45.63 | ug/L | 99 |
| 55) Methylcyclohexane | 8.333 | 83 | 320626 | 44.12 | ug/L | 93 |
| 57) methyl methacrylate | 8.516 | 69 | 191664 | 67.54 | ug/L | 89 |
| 58) 1,4-dioxane | 8.497 | 88 | 15301 | 330.36 | ug/L | 81 |
| 59) cis-1,3-dichloropropene | 9.267 | 75 | 301333 | 43.02 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.453 | 43 | 304555 | 78.52 | ug/L | 93 |
| 62) toluene | 9.631 | 92 | 472644 | 44.30 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 9.921 | 75 | 288306 | 50.47 | ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.126 | 83 | 190577 | 56.84 | ug/L | 97 |
| 65) ethyl methacrylate | 10.003 | 69 | 307744 | 54.95 | ug/L | 89 |
| 67) tetrachloroethene | 10.184 | 166 | 193201 | 43.37 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.290 | 76 | 361575 | 54.59 | ug/L | 100 |
| 69) dibromochloromethane | 10.509 | 129 | 205038 | 49.09 | ug/L | 96 |
| 70) 1,2-dibromoethane | 10.619 | 107 | 223969 | 60.84 | ug/L | 99 |
| 71) 2-hexanone | 10.364 | 43 | 234067 | 82.32 | ug/L | 94 |
| 72) chlorobenzene | 11.118 | 112 | 537729 | 44.87 | ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 11.218 | 131 | 180877 | 42.22 | ug/L | 96 |
| 74) ethylbenzene | 11.224 | 91 | 901455 | 45.25 | ug/L | 99 |
| 75) m,p-xylene | 11.356 | 106 | 654974 | 90.94 | ug/L | 99 |
| 76) o-xylene | 11.726 | 106 | 315931 | 40.59 | ug/L | 97 |
| 77) styrene | 11.747 | 104 | 553477 | 41.31 | ug/L | 99 |
| 78) bromoform | 11.920 | 173 | 141895 | 52.28 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.143 | 53 | 99340 | 72.17 | ug/L | 95 |
| 81) isopropylbenzene | 12.081 | 105 | 819175 | 44.92 | ug/L | 98 |
| 83) bromobenzene | 12.371 | 156 | 227429 | 45.75 | ug/L | 89 |
| 84) 1,1,2,2-tetrachloroethane | 12.379 | 83 | 358634 | 64.94 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.426 | 75 | 391347 | 62.72 | ug/L | 70 |
| 86) n-propylbenzene | 12.474 | 91 | 1053744 | 44.86 | ug/L | 98 |
| 87) 2-chlorotoluene | 12.552 | 91 | 621684 | 43.66 | ug/L | 100 |
| 88) 4-chlorotoluene | 12.665 | 91 | 737227 | 45.22 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.646 | 105 | 677407 | 41.84 | ug/L | 99 |
| 90) tert-butylbenzene | 12.935 | 91 | 403676 | 38.46 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 12.991 | 105 | 692189 | 42.66 | ug/L | 97 |
| 92) sec-butylbenzene | 13.142 | 105 | 918697 | 43.25 | ug/L | 97 |
| 93) 1,3-dichlorobenzene | 13.248 | 146 | 407168 | 45.59 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 09:04:55 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

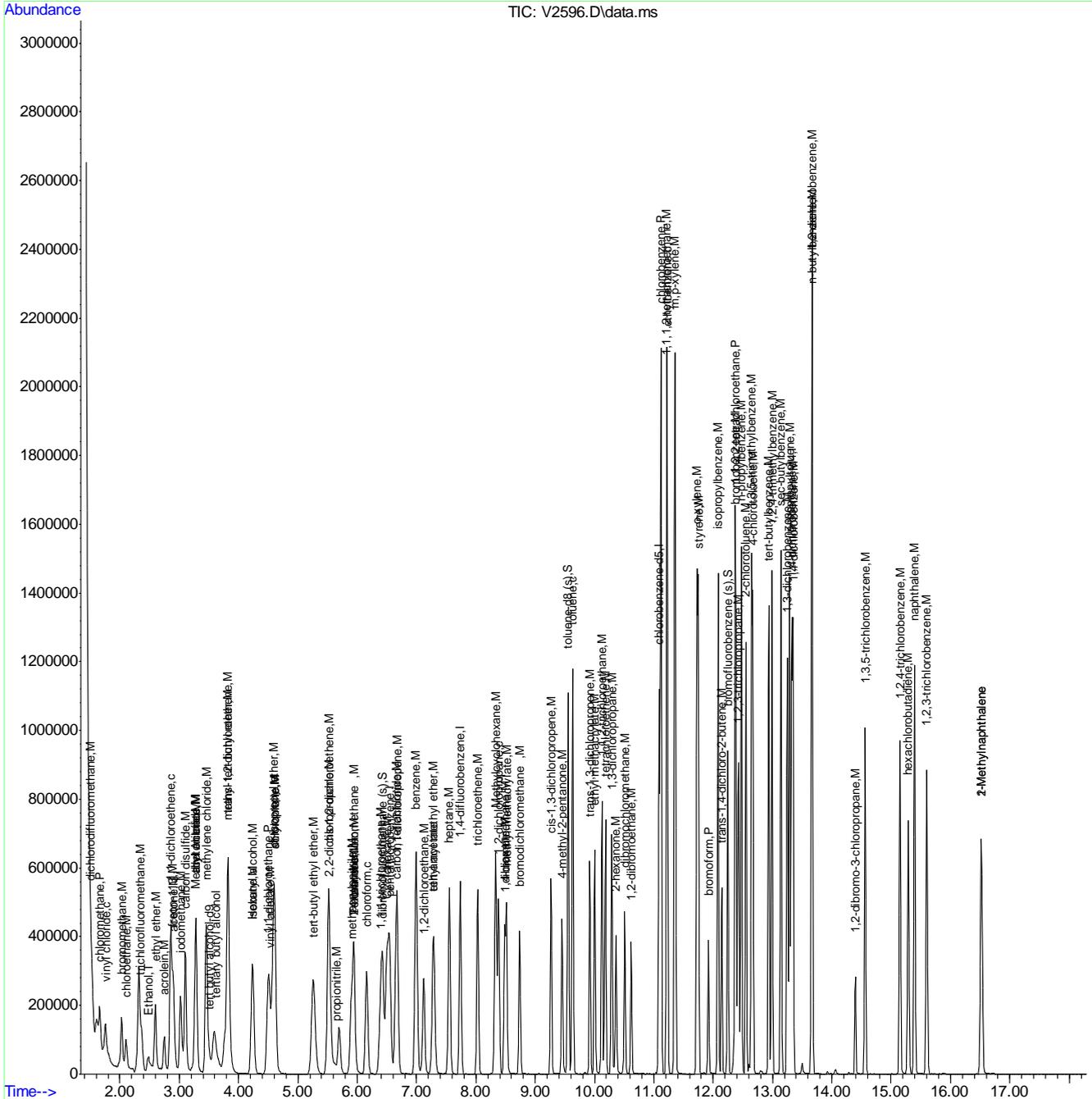
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.287 | 119 | 685600 | 45.57 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.345 | 146 | 417524 | 44.86 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 13.668 | 146 | 414584 | 47.81 | ug/L | 98 |
| 97) n-butylbenzene | 13.660 | 91 | 792596 | 47.03 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 14.395 | 75 | 62544 | 69.41 | ug/L | 85 |
| 99) 1,3,5-trichlorobenzene | 14.562 | 180 | 271167 | 44.17 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.148 | 180 | 274836 | 45.43 | ug/L | 100 |
| 101) hexachlorobutadiene | 15.288 | 225 | 145445 | 45.68 | ug/L | 95 |
| 102) naphthalene | 15.394 | 128 | 890291 | 60.42 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.600 | 180 | 277803 | 46.88 | ug/L | 92 |
| 104) 2-Methylnaphthalene | 16.521 | 142 | 472024 | 62.54 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.521 | 142 | 472024 | 70.12 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2596.D
Acq On : 17 Oct 2011 6:47 pm
Operator : AMYM
Sample : mc4292-3msd
Misc : MS24155,MSV112,4.653,,,5,1
ALS Vial : 19 Sample Multiplier: 1

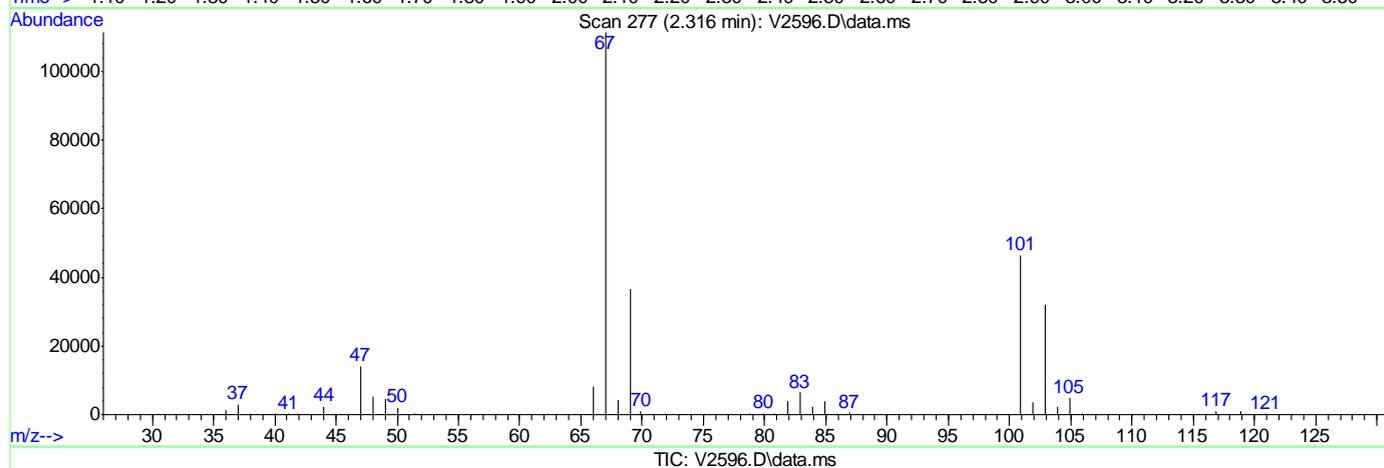
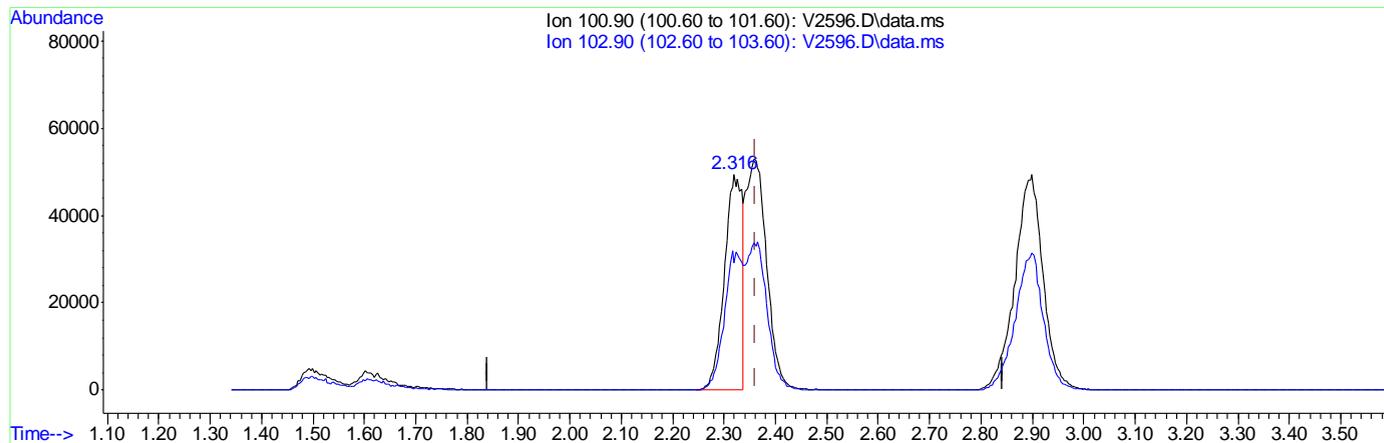
Quant Time: Oct 18 09:04:55 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:56:34 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 07:44:03 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.316min (-0.046) 18.03ug/L

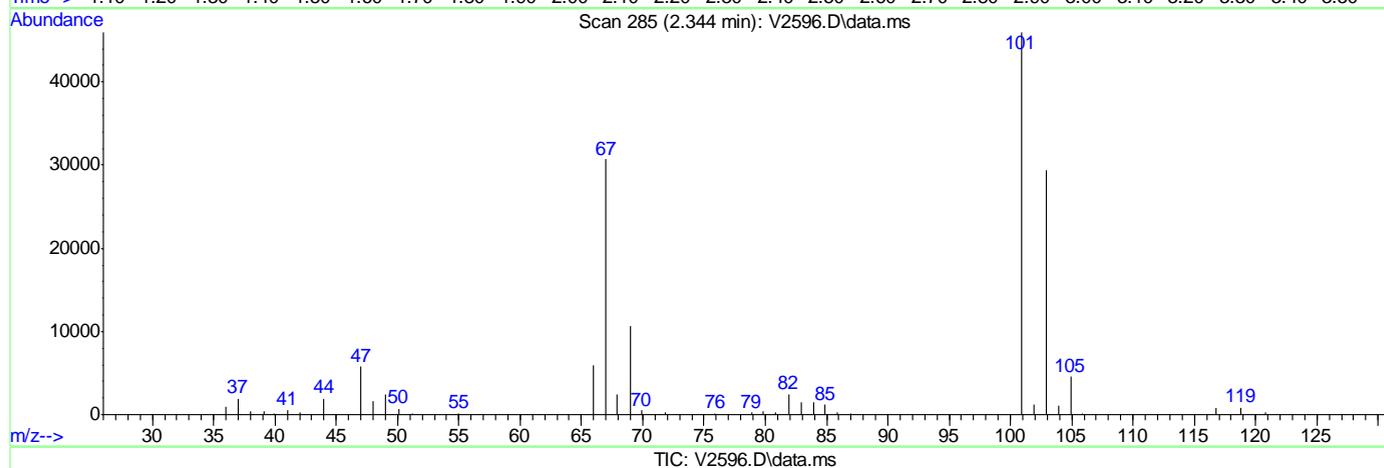
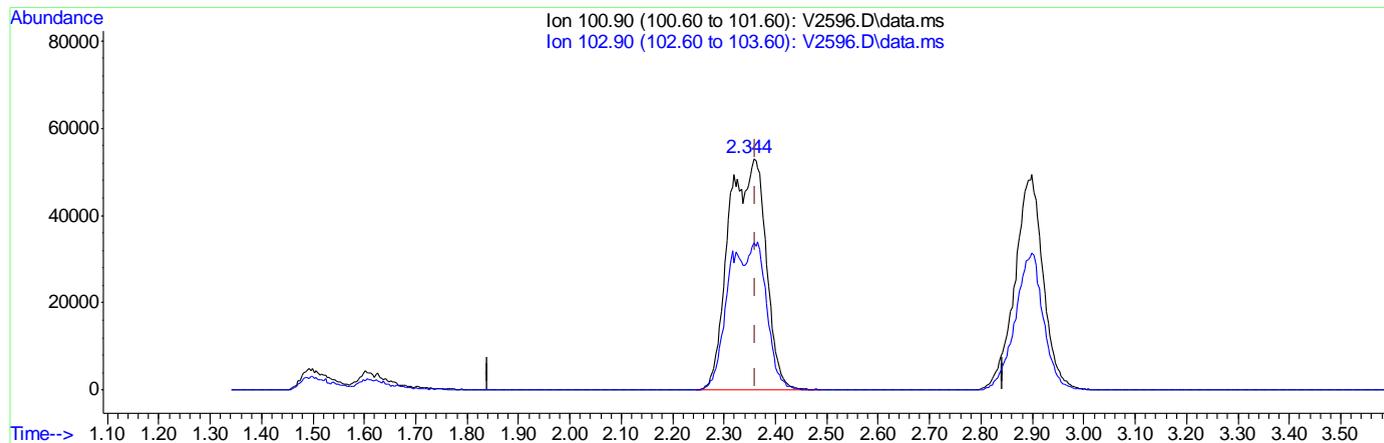
response 119696

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 68.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 07:44:03 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.344min (-0.018) 40.36ug/L m

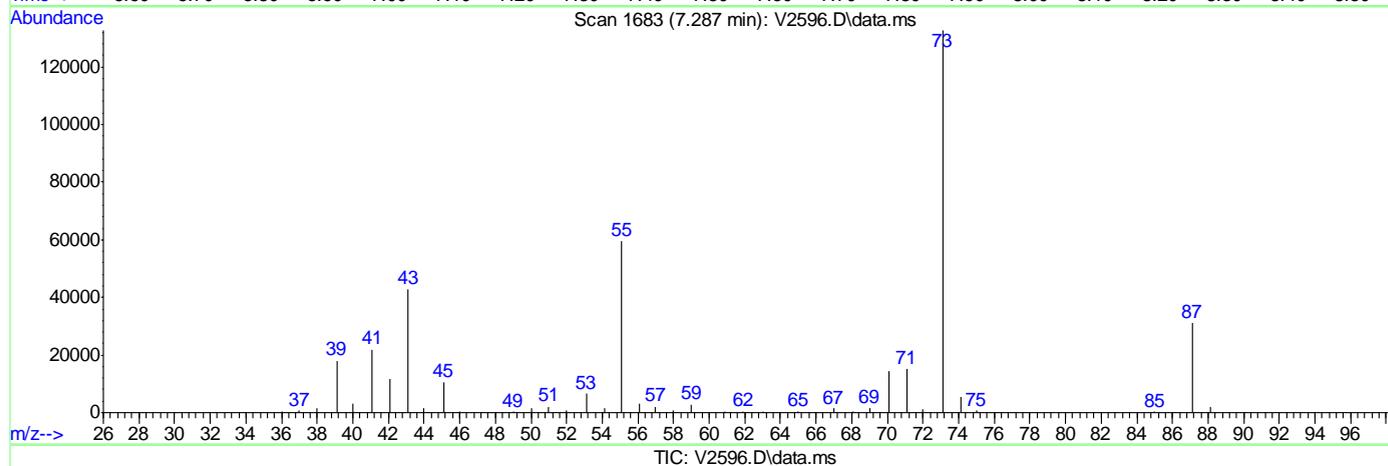
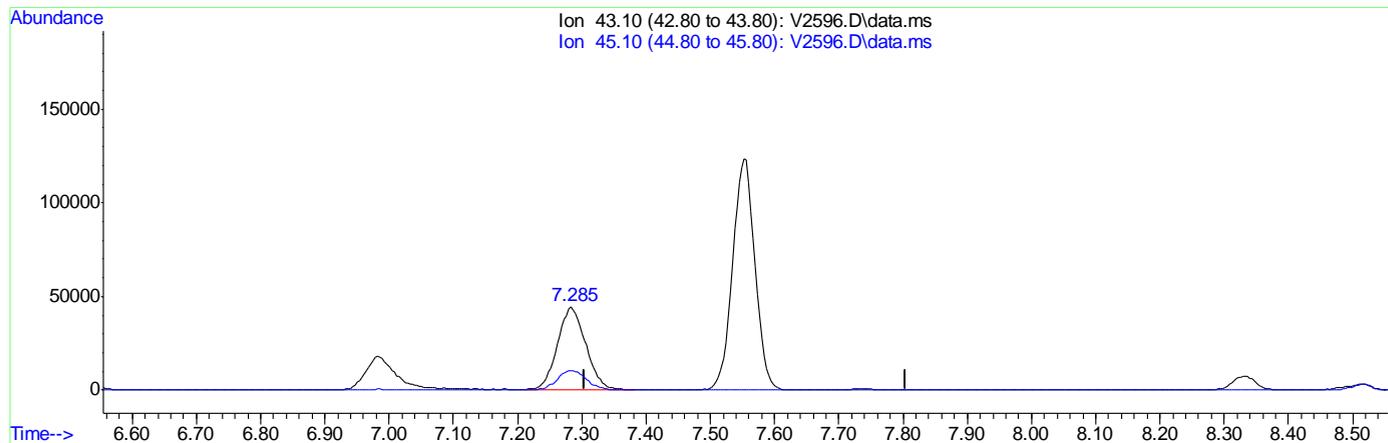
response 267952

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2596.D
 Acq On : 17 Oct 2011 6:47 pm
 Operator : AMYM
 Sample : mc4292-3msd
 Misc : MS24155,MSV112,4.653,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 07:44:03 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.287min (-0.018) 46.59ug/L m

response 138467

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2622.D
 Acq On : 18 Oct 2011 7:56 am
 Operator : AMYM
 Sample : mc4387-18ms
 Misc : MS24148,MSV114,4.457,,,5,1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 18 09:42:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.516 | 65 | 250881 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.544 | 168 | 420510 | 50.00 | ug/L | -0.02 | |
| 43) 1,4-difluorobenzene | 7.731 | 114 | 693475 | 50.00 | ug/L | -0.02 | |
| 66) chlorobenzene-d5 | 11.083 | 82 | 378985 | 50.00 | ug/L | -0.01 | |
| 80) 1,4-dichlorobenzene-d4 | 13.319 | 152 | 348950 | 50.00 | ug/L | -0.01 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.424 | 113 | 259295 | 49.97 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.94% | |
| 60) toluene-d8 (s) | 9.550 | 98 | 915925 | 51.63 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.26% | |
| 82) bromofluorobenzene (s) | 12.241 | 95 | 352207 | 51.77 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.54% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.618 | 59 | 358816 | 596.16 | ug/L | | 96 |
| 3) Ethanol | 2.490 | 45 | 175900 | 4183.05 | ug/L | | 96 |
| 5) dichlorodifluoromethane | 1.514 | 85 | 319705 | 41.99 | ug/L | | 98 |
| 6) chloromethane | 1.613 | 50 | 312925 | 47.38 | ug/L | | 100 |
| 7) vinyl chloride | 1.723 | 62 | 330843 | 45.42 | ug/L | | 100 |
| 8) bromomethane | 2.009 | 96 | 209428 | 52.95 | ug/L | | 96 |
| 9) chloroethane | 2.106 | 64 | 184386 | 56.05 | ug/L | | 99 |
| 10) ethyl ether | 2.600 | 59 | 216089 | 59.83 | ug/L | | 99 |
| 11) acetonitrile | 3.282 | 41 | 448521 | 49.28 | ug/L | | 96 |
| 12) trichlorofluoromethane | 2.343 | 101 | 426480 | 47.45 | ug/L | | 97 |
| 13) freon-113 | 2.894 | 101 | 328963 | 53.80 | ug/L | | 95 |
| 14) acrolein | 2.750 | 56 | 33109 | 122.78 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.856 | 96 | 291512 | 57.43 | ug/L | | 99 |
| 16) acetone | 2.900 | 43 | 103688 | 61.79 | ug/L | | 100 |
| 17) Methyl Acetate | 3.273 | 43 | 55212 | 9.52 | ug/L | | 98 |
| 18) methylene chloride | 3.454 | 84 | 366447 | 53.35 | ug/L | | 89 |
| 19) methyl tert butyl ether | 3.826 | 73 | 818942 | 59.14 | ug/L | | 95 |
| 20) acrylonitrile | 4.605 | 53 | 419277 | 265.73 | ug/L | | 100 |
| 21) allyl chloride | 3.285 | 41 | 421110 | 46.23 | ug/L | | 95 |
| 22) trans-1,2-dichloroethene | 3.821 | 96 | 318252 | 54.90 | ug/L | | 94 |
| 23) iodomethane | 3.023 | 142 | 520655 | 56.99 | ug/L | | 96 |
| 24) carbon disulfide | 3.106 | 76 | 976088 | 48.68 | ug/L | | 99 |
| 25) propionitrile | 5.635 | 54 | 53442 | 68.43 | ug/L | | 100 |
| 26) vinyl acetate | 4.582 | 43 | 472912 | 39.75 | ug/L | | 74 |
| 27) chloroprene | 4.605 | 53 | 419277 | 53.15 | ug/L | | 96 |
| 28) di-isopropyl ether | 4.589 | 45 | 971003 | 55.24 | ug/L | | 96 |
| 29) methacrylonitrile | 5.905 | 41 | 247001 | 69.37 | ug/L | | 99 |
| 30) 2-butanone | 5.946 | 72 | 48340 | 72.74 | ug/L | | 97 |
| 31) Hexane | 4.234 | 41 | 296657 | 53.86 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.493 | 63 | 584313 | 54.86 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.259 | 59 | 791099 | 52.52 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.234 | 43 | 271510 | 278.34 | ug/L | | 95 |
| 35) 2,2-dichloropropane | 5.530 | 77 | 371540 | 50.34 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 5.514 | 96 | 354856 | 56.15 | ug/L | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2622.D
 Acq On : 18 Oct 2011 7:56 am
 Operator : AMYM
 Sample : mc4387-18ms
 Misc : MS24148,MSV114,4.457,,,5,1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 18 09:42:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.280 | 43 | 204192m | 50.50 | ug/L | |
| 38) bromochloromethane | 5.936 | 128 | 172376 | 58.95 | ug/L | # 84 |
| 39) chloroform | 6.153 | 83 | 571167 | 52.98 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.942 | 42 | 109342 | 74.98 | ug/L | 95 |
| 42) 1,1,1-trichloroethane | 6.396 | 97 | 459046 | 56.71 | ug/L | 96 |
| 44) Cyclohexane | 6.501 | 56 | 562235 | 53.40 | ug/L | 96 |
| 45) carbon tetrachloride | 6.649 | 117 | 411665 | 50.78 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.667 | 75 | 440999 | 56.42 | ug/L | 98 |
| 47) benzene | 6.987 | 78 | 1273414 | 56.35 | ug/L | 97 |
| 48) 1,2-dichloroethane | 7.114 | 62 | 435257 | 57.70 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.280 | 73 | 658839 | 51.84 | ug/L | 96 |
| 50) heptane | 7.547 | 43 | 469498 | 60.34 | ug/L | 95 |
| 51) trichloroethene | 8.024 | 95 | 320317 | 55.41 | ug/L | 98 |
| 52) 1,2-dichloropropane | 8.376 | 63 | 349159 | 56.81 | ug/L | 99 |
| 53) dibromomethane | 8.479 | 93 | 232370 | 63.23 | ug/L | 94 |
| 54) bromodichloromethane | 8.732 | 83 | 412067 | 53.34 | ug/L | 100 |
| 55) Methylcyclohexane | 8.327 | 83 | 550652 | 58.26 | ug/L | 94 |
| 57) methyl methacrylate | 8.511 | 69 | 252228 | 68.31 | ug/L | 94 |
| 58) 1,4-dioxane | 8.489 | 88 | 19904 | 330.46 | ug/L | 85 |
| 59) cis-1,3-dichloropropene | 9.261 | 75 | 485415 | 52.48 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 9.448 | 43 | 378570 | 75.14 | ug/L | 97 |
| 62) toluene | 9.626 | 92 | 768343 | 55.37 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 9.916 | 75 | 432021 | 57.46 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 10.121 | 83 | 274181 | 62.88 | ug/L | 98 |
| 65) ethyl methacrylate | 9.999 | 69 | 427264 | 58.46 | ug/L | 94 |
| 67) tetrachloroethene | 10.179 | 166 | 306833 | 54.40 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.285 | 76 | 529761 | 63.18 | ug/L | 100 |
| 69) dibromochloromethane | 10.504 | 129 | 312519 | 58.02 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.614 | 107 | 323841 | 69.48 | ug/L | 98 |
| 71) 2-hexanone | 10.359 | 43 | 279762 | 77.73 | ug/L | 97 |
| 72) chlorobenzene | 11.113 | 112 | 822363 | 54.19 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.214 | 131 | 294890 | 54.71 | ug/L | 98 |
| 74) ethylbenzene | 11.220 | 91 | 1402679 | 55.61 | ug/L | 98 |
| 75) m,p-xylene | 11.351 | 106 | 1035081 | 113.51 | ug/L | 96 |
| 76) o-xylene | 11.721 | 106 | 509448 | 51.99 | ug/L | 99 |
| 77) styrene | 11.742 | 104 | 846618 | 50.23 | ug/L | 98 |
| 78) bromoform | 11.915 | 173 | 213914 | 60.46 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.138 | 53 | 117571 | 67.58 | ug/L | 93 |
| 81) isopropylbenzene | 12.076 | 105 | 1316330 | 57.82 | ug/L | 98 |
| 83) bromobenzene | 12.367 | 156 | 339011 | 54.32 | ug/L | 93 |
| 84) 1,1,2,2-tetrachloroethane | 12.375 | 83 | 481340 | 69.43 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.421 | 75 | 486757 | 62.15 | ug/L | 96 |
| 86) n-propylbenzene | 12.470 | 91 | 1592339 | 54.00 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.547 | 91 | 927052 | 51.86 | ug/L | 100 |
| 88) 4-chlorotoluene | 12.661 | 91 | 1040672 | 50.84 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 12.642 | 105 | 1058946 | 52.09 | ug/L | 99 |
| 90) tert-butylbenzene | 12.932 | 91 | 648967 | 49.76 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 12.987 | 105 | 1041763 | 51.14 | ug/L | 99 |
| 92) sec-butylbenzene | 13.138 | 105 | 1456668 | 54.63 | ug/L | 99 |
| 93) 1,3-dichlorobenzene | 13.244 | 146 | 552910 | 49.32 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2622.D
 Acq On : 18 Oct 2011 7:56 am
 Operator : AMYM
 Sample : mc4387-18ms
 Misc : MS24148,MSV114,4.457,,,5,1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 18 09:42:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

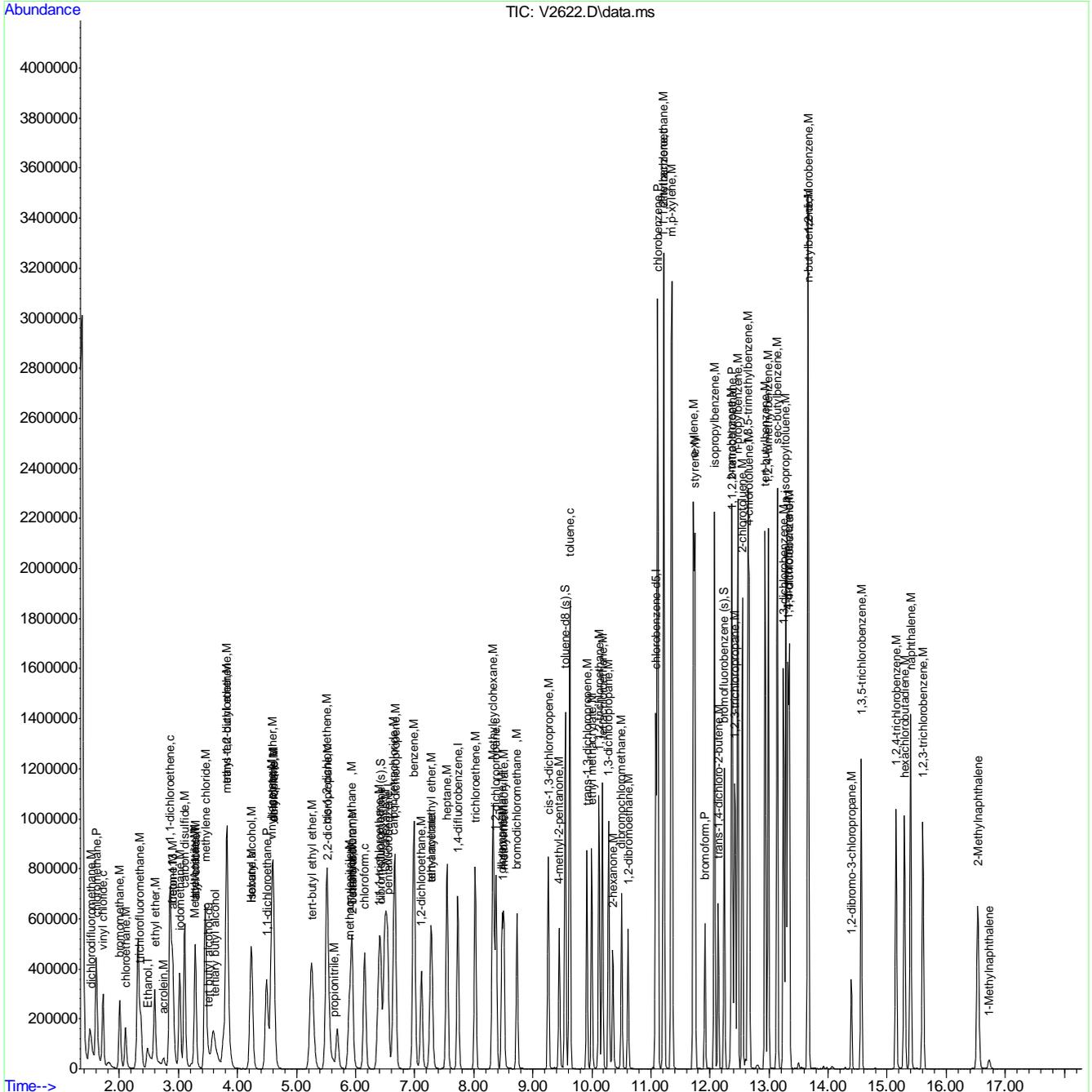
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.284 | 119 | 1043464 | 55.25 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.342 | 146 | 559888 | 47.92 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.665 | 146 | 569990 | 52.36 | ug/L | 99 |
| 97) n-butylbenzene | 13.658 | 91 | 1110283 | 52.48 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.394 | 75 | 79632 | 70.28 | ug/L | 88 |
| 99) 1,3,5-trichlorobenzene | 14.562 | 180 | 353918 | 45.92 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.150 | 180 | 315004 | 41.53 | ug/L | 100 |
| 101) hexachlorobutadiene | 15.293 | 225 | 215918 | 54.02 | ug/L | 100 |
| 102) naphthalene | 15.397 | 128 | 1132279 | 61.18 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.605 | 180 | 338361 | 45.48 | ug/L | 96 |
| 104) 2-Methylnaphthalene | 16.536 | 142 | 495145 | 52.61 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.727 | 142 | 28388 | 3.77 | ug/L | 96 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2622.D
 Acq On : 18 Oct 2011 7:56 am
 Operator : AMYM
 Sample : mc4387-18ms
 Misc : MS24148,MSV114,4.457,,,5,1
 ALS Vial : 44 Sample Multiplier: 1

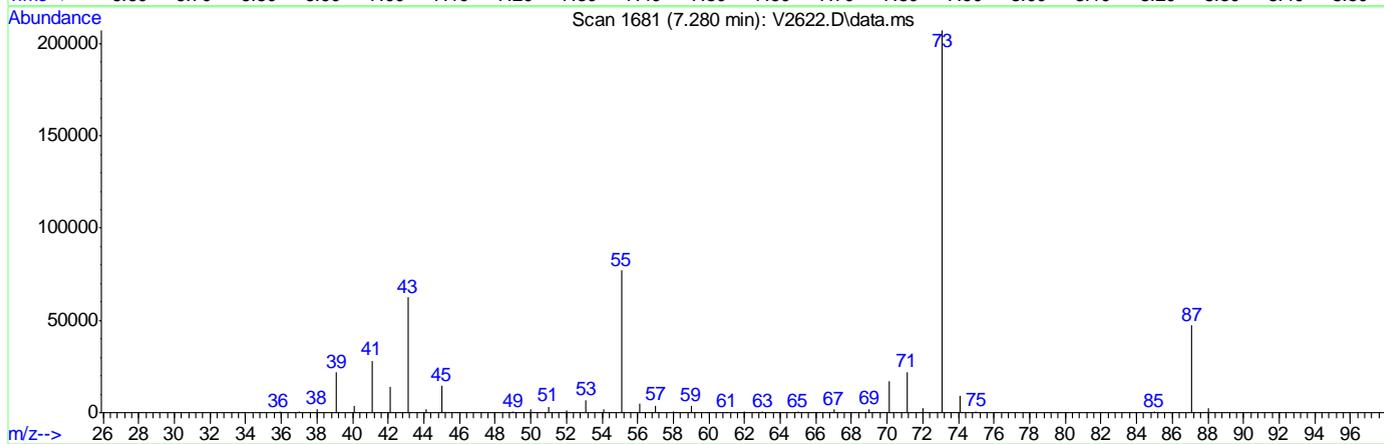
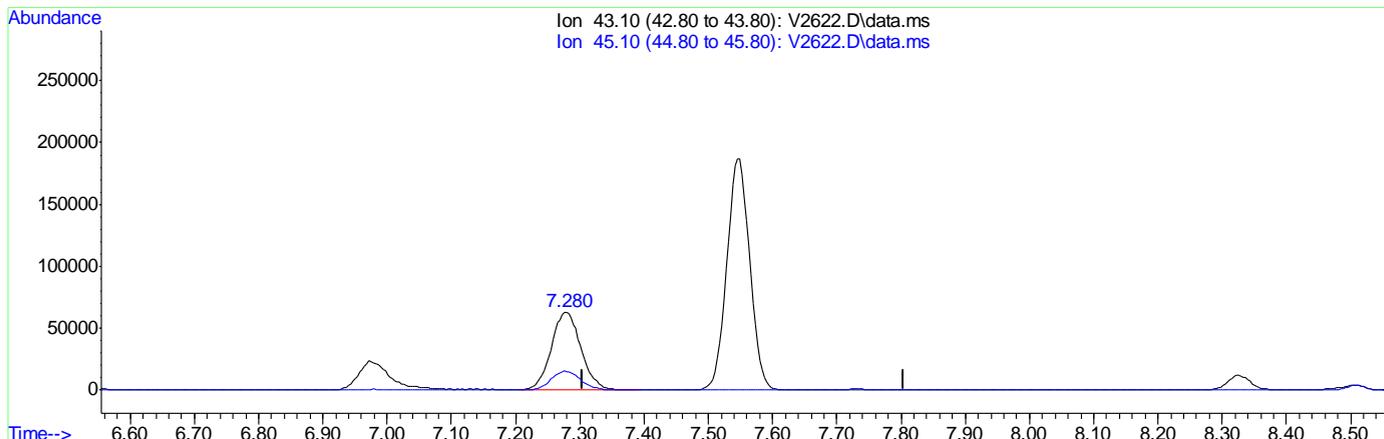
Quant Time: Oct 18 09:42:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2622.D
 Acq On : 18 Oct 2011 7:56 am
 Operator : AMYM
 Sample : mc4387-18ms
 Misc : MS24148,MSV114,4.457,,,5,1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 18 09:13:39 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.280min (-0.025) 50.50ug/L m
 response 204192

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:43:40 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.506 | 65 | 246946 | 500.00 | ug/L | -0.04 |
| 4) pentafluorobenzene | 6.539 | 168 | 418359 | 50.00 | ug/L | -0.03 |
| 43) 1,4-difluorobenzene | 7.728 | 114 | 691423 | 50.00 | ug/L | -0.02 |
| 66) chlorobenzene-d5 | 11.082 | 82 | 386701 | 50.00 | ug/L | -0.02 |
| 80) 1,4-dichlorobenzene-d4 | 13.318 | 152 | 352054 | 50.00 | ug/L | -0.01 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.418 | 113 | 256526 | 49.69 | ug/L | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.38% |
| 60) toluene-d8 (s) | 9.548 | 98 | 908006 | 51.33 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.66% |
| 82) bromofluorobenzene (s) | 12.240 | 95 | 350815 | 51.11 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.22% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 3.609 | 59 | 345391 | 583.00 | ug/L | 96 |
| 3) Ethanol | 2.489 | 45 | 184644 | 4453.11 | ug/L # | 74 |
| 5) dichlorodifluoromethane | 1.506 | 85 | 312553 | 41.26 | ug/L | 99 |
| 6) chloromethane | 1.605 | 50 | 308070 | 46.88 | ug/L | 99 |
| 7) vinyl chloride | 1.715 | 62 | 324582 | 44.79 | ug/L | 97 |
| 8) bromomethane | 2.001 | 96 | 206255 | 52.42 | ug/L | 96 |
| 9) chloroethane | 2.098 | 64 | 179952 | 54.99 | ug/L | 100 |
| 10) ethyl ether | 2.593 | 59 | 219605 | 61.11 | ug/L | 98 |
| 11) acetonitrile | 3.275 | 41 | 449077 | 49.60 | ug/L | 95 |
| 12) trichlorofluoromethane | 2.334 | 101 | 414661m | 46.37 | ug/L | |
| 13) freon-113 | 2.886 | 101 | 323022 | 53.10 | ug/L | 94 |
| 14) acrolein | 2.742 | 56 | 31977 | 119.19 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.848 | 96 | 290787 | 57.58 | ug/L | 99 |
| 16) acetone | 2.893 | 43 | 102832 | 61.57 | ug/L | 98 |
| 17) Methyl Acetate | 3.265 | 43 | 48042 | 8.33 | ug/L | 96 |
| 18) methylene chloride | 3.446 | 84 | 368628 | 54.01 | ug/L | 89 |
| 19) methyl tert butyl ether | 3.818 | 73 | 829176 | 60.15 | ug/L | 94 |
| 20) acrylonitrile | 4.597 | 53 | 418227 | 266.43 | ug/L | 99 |
| 21) allyl chloride | 3.275 | 41 | 448695 | 49.60 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 3.813 | 96 | 317195 | 55.00 | ug/L | 95 |
| 23) iodomethane | 3.015 | 142 | 527401 | 58.03 | ug/L | 95 |
| 24) carbon disulfide | 3.098 | 76 | 995221 | 49.86 | ug/L | 100 |
| 25) propionitrile | 5.628 | 54 | 50946 | 65.57 | ug/L | 100 |
| 26) vinyl acetate | 4.575 | 43 | 468291 | 39.58 | ug/L | 74 |
| 27) chloroprene | 4.597 | 53 | 418227 | 53.29 | ug/L | 99 |
| 28) di-isopropyl ether | 4.581 | 45 | 979438 | 56.01 | ug/L | 96 |
| 29) methacrylonitrile | 5.899 | 41 | 240014 | 67.75 | ug/L | 98 |
| 30) 2-butanone | 5.940 | 72 | 45902 | 69.53 | ug/L | 97 |
| 31) Hexane | 4.225 | 41 | 281736 | 51.42 | ug/L | 95 |
| 32) 1,1-dichloroethane | 4.485 | 63 | 587171 | 55.41 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 5.251 | 59 | 802270 | 53.48 | ug/L | 95 |
| 34) isobutyl alcohol | 4.226 | 43 | 258673 | 266.54 | ug/L | 93 |
| 35) 2,2-dichloropropane | 5.522 | 77 | 362445 | 49.42 | ug/L | 96 |
| 36) cis-1,2-dichloroethene | 5.507 | 96 | 357605 | 56.88 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:43:40 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.276 | 43 | 202683m | 50.39 | ug/L | |
| 38) bromochloromethane | 5.930 | 128 | 173702 | 59.71 | ug/L | 87 |
| 39) chloroform | 6.147 | 83 | 580092 | 54.09 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.937 | 42 | 103871 | 71.59 | ug/L | 97 |
| 42) 1,1,1-trichloroethane | 6.390 | 97 | 463753 | 57.59 | ug/L | 97 |
| 44) Cyclohexane | 6.495 | 56 | 559277 | 53.28 | ug/L | 94 |
| 45) carbon tetrachloride | 6.643 | 117 | 414807 | 51.30 | ug/L | 96 |
| 46) 1,1-dichloropropene | 6.661 | 75 | 436431 | 56.00 | ug/L | 97 |
| 47) benzene | 6.982 | 78 | 1276898 | 56.67 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.110 | 62 | 435977 | 57.96 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.276 | 73 | 660527 | 52.10 | ug/L | 96 |
| 50) heptane | 7.543 | 43 | 450975 | 58.13 | ug/L | 97 |
| 51) trichloroethene | 8.020 | 95 | 319159 | 55.37 | ug/L | 94 |
| 52) 1,2-dichloropropane | 8.373 | 63 | 354653 | 57.87 | ug/L | 100 |
| 53) dibromomethane | 8.476 | 93 | 233453 | 63.71 | ug/L | 92 |
| 54) bromodichloromethane | 8.729 | 83 | 420305 | 54.49 | ug/L | 99 |
| 55) Methylcyclohexane | 8.324 | 83 | 538111 | 57.10 | ug/L | 94 |
| 57) methyl methacrylate | 8.508 | 69 | 249434 | 67.78 | ug/L | 92 |
| 58) 1,4-dioxane | 8.494 | 88 | 21903 | 363.89 | ug/L | 69 |
| 59) cis-1,3-dichloropropene | 9.259 | 75 | 494193 | 53.51 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.446 | 43 | 365884 | 72.90 | ug/L | 97 |
| 62) toluene | 9.624 | 92 | 771054 | 55.74 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 9.914 | 75 | 439465 | 58.53 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 10.119 | 83 | 275782 | 63.44 | ug/L | 97 |
| 65) ethyl methacrylate | 9.997 | 69 | 428882 | 58.84 | ug/L | 94 |
| 67) tetrachloroethene | 10.177 | 166 | 303429 | 52.73 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.283 | 76 | 532206 | 62.20 | ug/L | 100 |
| 69) dibromochloromethane | 10.503 | 129 | 322962 | 58.70 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.612 | 107 | 325135 | 68.37 | ug/L | 97 |
| 71) 2-hexanone | 10.357 | 43 | 269128 | 73.31 | ug/L | 98 |
| 72) chlorobenzene | 11.111 | 112 | 818767 | 52.88 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.212 | 131 | 298226 | 54.21 | ug/L | 97 |
| 74) ethylbenzene | 11.218 | 91 | 1407300 | 54.68 | ug/L | 99 |
| 75) m,p-xylene | 11.350 | 106 | 1027017 | 110.38 | ug/L | 98 |
| 76) o-xylene | 11.719 | 106 | 515537 | 51.55 | ug/L | 97 |
| 77) styrene | 11.740 | 104 | 846698 | 49.20 | ug/L | 98 |
| 78) bromoform | 11.914 | 173 | 217064 | 60.18 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.137 | 53 | 114815 | 64.75 | ug/L | 92 |
| 81) isopropylbenzene | 12.075 | 105 | 1319480 | 57.44 | ug/L | 98 |
| 83) bromobenzene | 12.366 | 156 | 338398 | 53.75 | ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 12.373 | 83 | 475616 | 68.00 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.420 | 75 | 501754 | 63.48 | ug/L | 70 |
| 86) n-propylbenzene | 12.468 | 91 | 1567420 | 52.68 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.546 | 91 | 917737 | 50.89 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.660 | 91 | 1022961 | 49.54 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.640 | 105 | 1040793 | 50.75 | ug/L | 99 |
| 90) tert-butylbenzene | 12.930 | 91 | 650216 | 49.40 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.985 | 105 | 1026269 | 49.94 | ug/L | 98 |
| 92) sec-butylbenzene | 13.137 | 105 | 1434070 | 53.31 | ug/L | 99 |
| 93) 1,3-dichlorobenzene | 13.243 | 146 | 542199 | 47.94 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:43:40 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

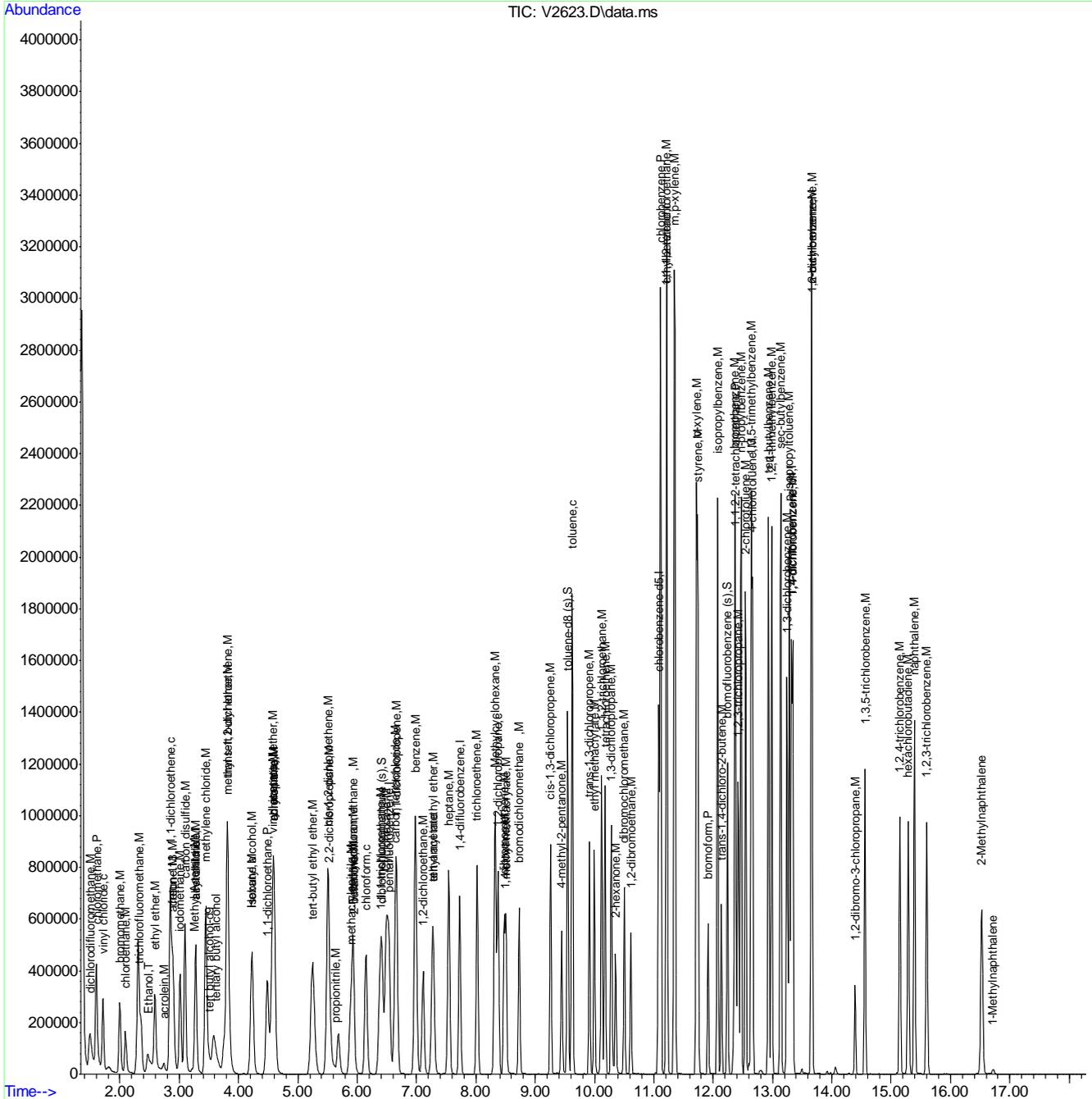
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.282 | 119 | 1028028 | 53.95 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.340 | 146 | 550075 | 46.67 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.663 | 146 | 560254 | 51.01 | ug/L | 98 |
| 97) n-butylbenzene | 13.656 | 91 | 1069348 | 50.10 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.391 | 75 | 76697 | 67.46 | ug/L | 91 |
| 99) 1,3,5-trichlorobenzene | 14.559 | 180 | 338789 | 43.57 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.146 | 180 | 304880 | 39.86 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.288 | 225 | 207356 | 51.42 | ug/L | 98 |
| 102) naphthalene | 15.393 | 128 | 1078163 | 57.85 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.600 | 180 | 324911 | 43.28 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.527 | 142 | 470000 | 49.63 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.716 | 142 | 15781 | 2.27 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2623.D
Acq On : 18 Oct 2011 8:27 am
Operator : AMYM
Sample : mc4387-18msd
Misc : MS24148,MSV114,4.238,,,5,1
ALS Vial : 45 Sample Multiplier: 1

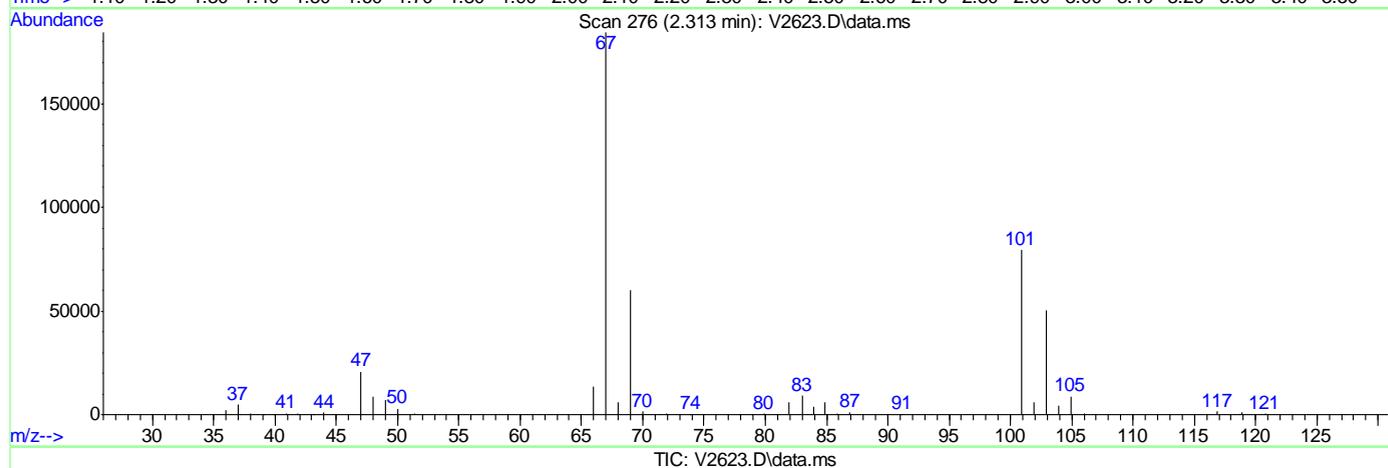
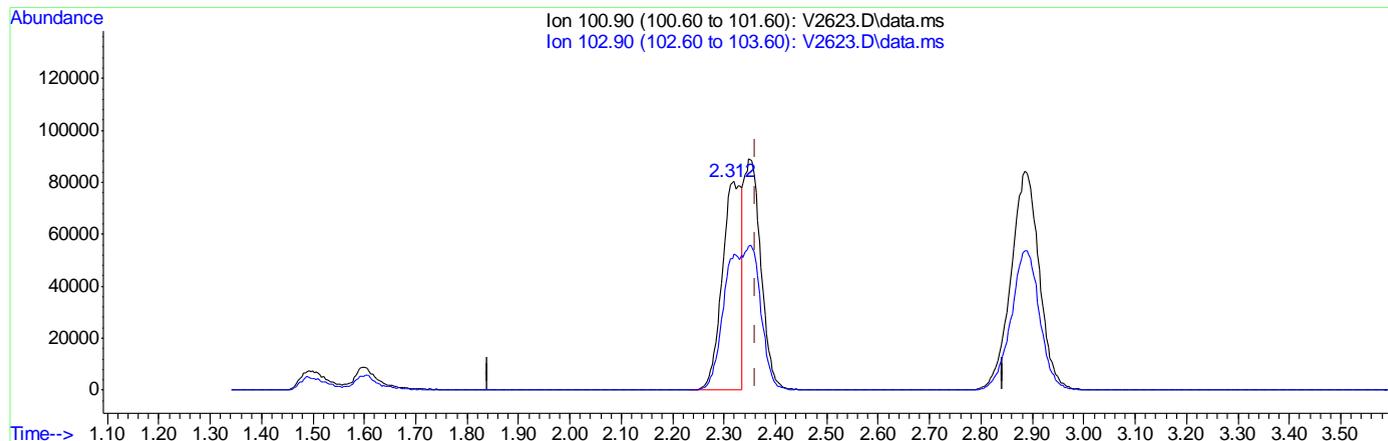
Quant Time: Oct 18 09:43:40 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:46:14 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:13:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.312min (-0.050) 22.90ug/L

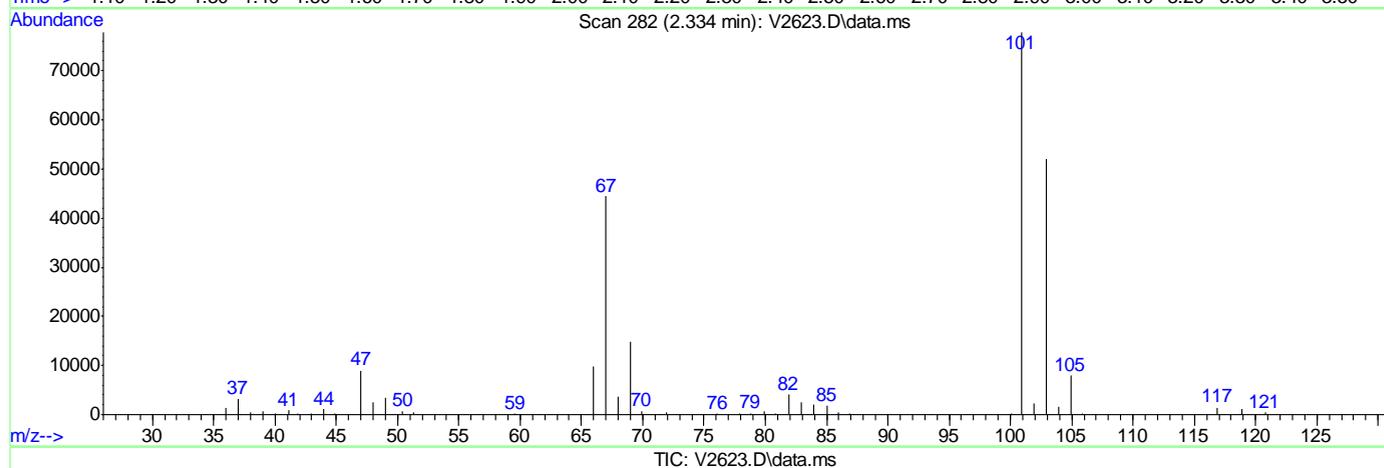
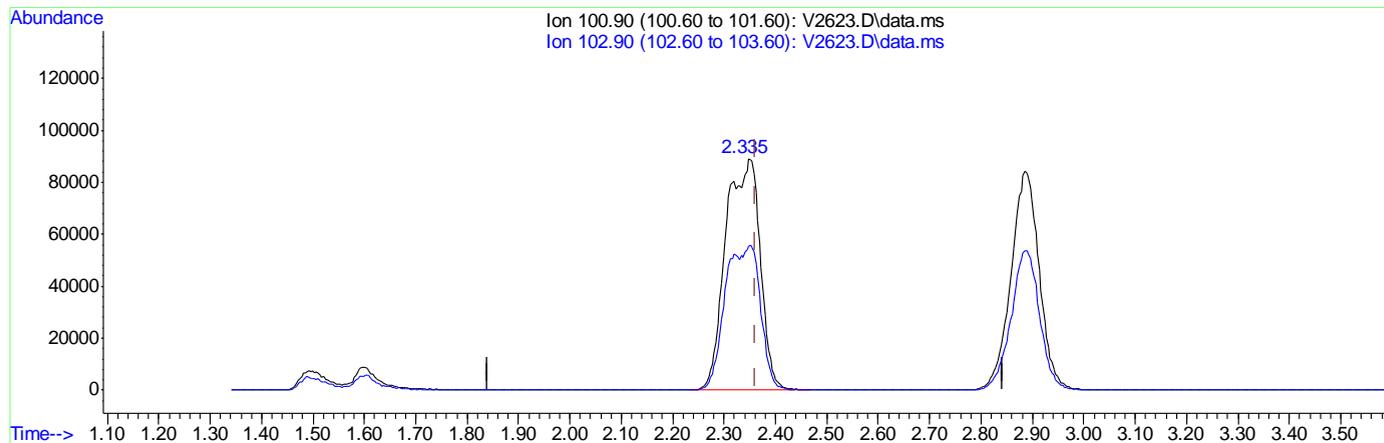
response 204784

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:13:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.334min (-0.028) 46.37ug/L m

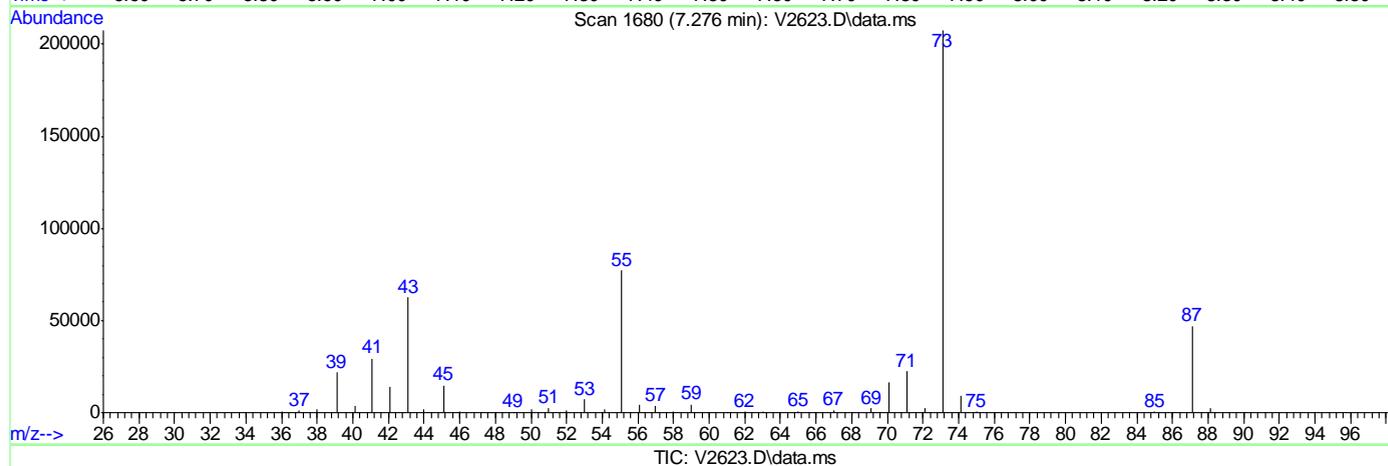
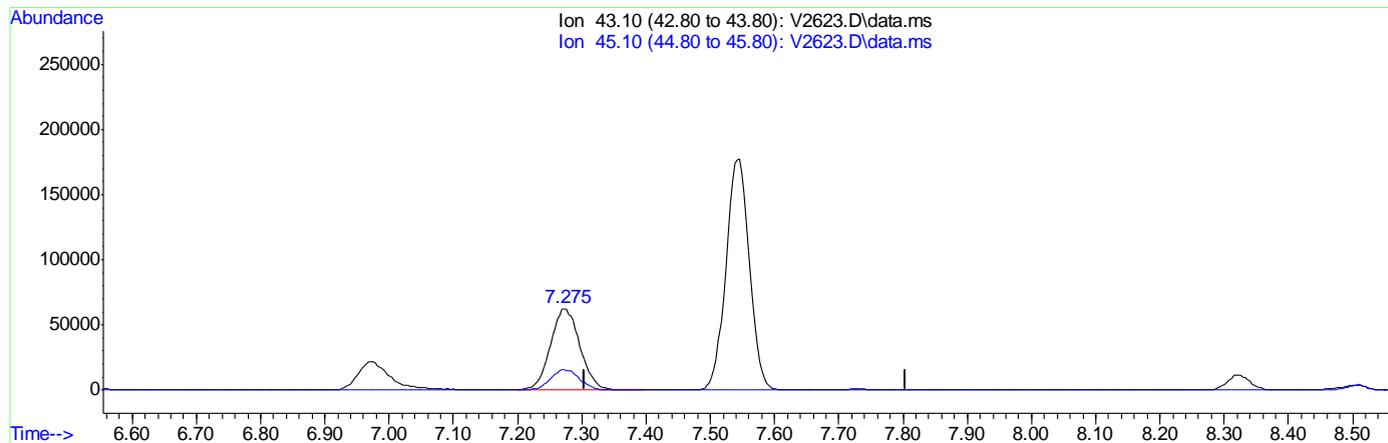
response 414661

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 66.82 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2623.D
 Acq On : 18 Oct 2011 8:27 am
 Operator : AMYM
 Sample : mc4387-18msd
 Misc : MS24148,MSV114,4.238,,,5,1
 ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 18 09:13:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(37) ethyl acetate

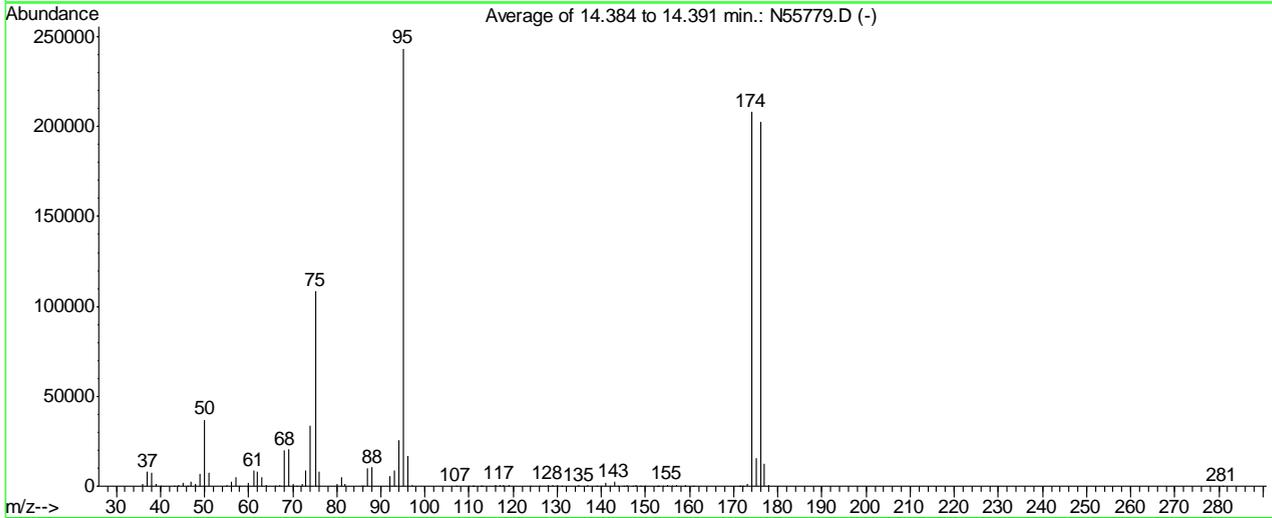
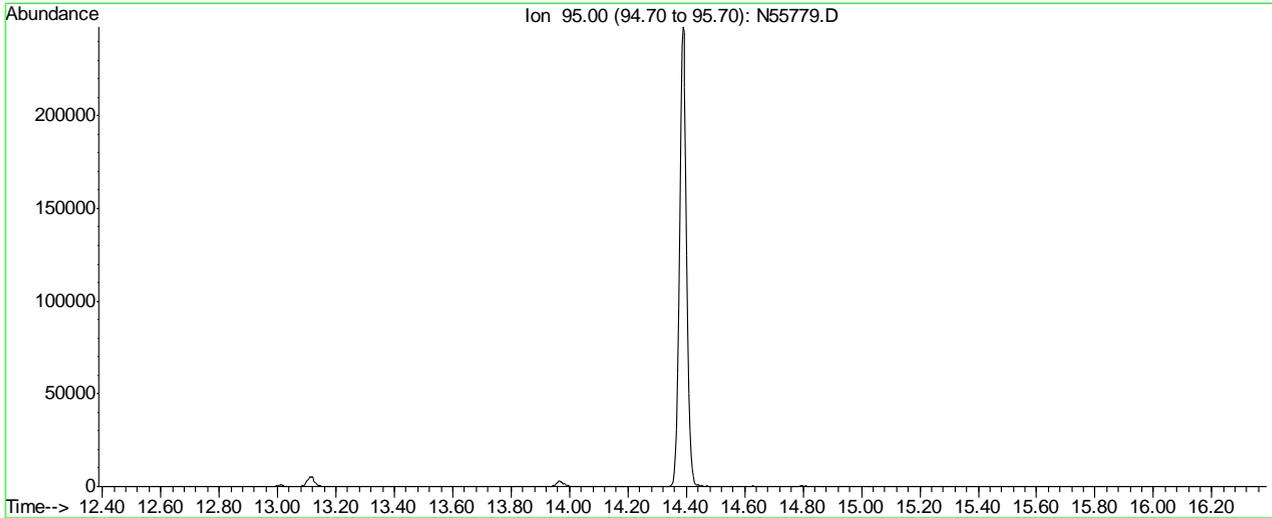
7.276min (-0.029) 50.39ug/L m

response 202683

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\N55779.D Vial: 16
 Acq On : 7 Oct 2011 10:20 am Operator: danat
 Sample : bfb Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260



AutoFind: Scans 3094, 3095, 3096; Background Corrected with Scan 3076

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 15.1 | 36811 | PASS |
| 75 | 95 | 30 | 60 | 44.6 | 108558 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 243456 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 16885 | PASS |
| 173 | 174 | 0.00 | 2 | 0.5 | 1125 | PASS |
| 174 | 95 | 50 | 150 | 85.5 | 208042 | PASS |
| 175 | 174 | 5 | 9 | 7.6 | 15892 | PASS |
| 176 | 174 | 95 | 101 | 97.5 | 202794 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 12753 | PASS |

N55779.D N100711W.M Sat Oct 08 14:40:44 2011 RP1

Average of 14.384 to 14.391 min.: N55779.D

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.05 | 1191 | 49.10 | 7099 | 64.05 | 585 | 76.10 | 8178 |
| 37.10 | 7981 | 50.10 | 36811 | 66.00 | 66 | 80.00 | 1193 |
| 38.10 | 7494 | 51.10 | 7414 | 67.00 | 502 | 81.00 | 5209 |
| 39.10 | 1476 | 55.10 | 507 | 68.10 | 19973 | 81.90 | 1066 |
| 39.95 | 133 | 56.10 | 2727 | 69.10 | 20333 | 85.70 | 63 |
| 43.20 | 220 | 57.10 | 5157 | 70.05 | 1540 | 85.90 | 162 |
| 44.05 | 615 | 58.00 | 117 | 70.90 | 63 | 87.00 | 10156 |
| 45.05 | 1694 | 60.05 | 1719 | 72.10 | 1259 | 88.05 | 10447 |
| 46.10 | 65 | 61.10 | 8687 | 73.05 | 8500 | 92.00 | 5553 |
| 47.05 | 2610 | 62.05 | 8292 | 74.05 | 33545 | 93.10 | 8517 |
| 48.05 | 1212 | 63.10 | 5318 | 75.10 | 108558 | 94.10 | 25349 |

Average of 14.384 to 14.391 min.: N55779.D

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 95.10 | 243456 | 117.90 | 508 | 139.85 | 188 | 152.80 | 93 |
| 96.10 | 16885 | 118.95 | 679 | 140.90 | 1783 | 153.05 | 115 |
| 97.05 | 484 | 123.90 | 91 | 141.90 | 315 | 153.90 | 98 |
| 106.95 | 70 | 125.90 | 57 | 142.95 | 2309 | 154.95 | 672 |
| 109.80 | 58 | 127.95 | 949 | 143.85 | 142 | 156.00 | 52 |
| 110.80 | 59 | 128.95 | 382 | 144.95 | 180 | 156.95 | 410 |
| 111.00 | 51 | 129.95 | 847 | 145.85 | 417 | 158.95 | 423 |
| 112.70 | 51 | 131.00 | 295 | 147.10 | 87 | 160.90 | 222 |
| 112.90 | 75 | 134.95 | 428 | 147.85 | 470 | 171.30 | 70 |
| 115.95 | 746 | 136.85 | 438 | 148.80 | 79 | 171.60 | 62 |
| 117.00 | 899 | 138.90 | 107 | 150.00 | 301 | 171.95 | 214 |

Average of 14.384 to 14.391 min.: N55779.D

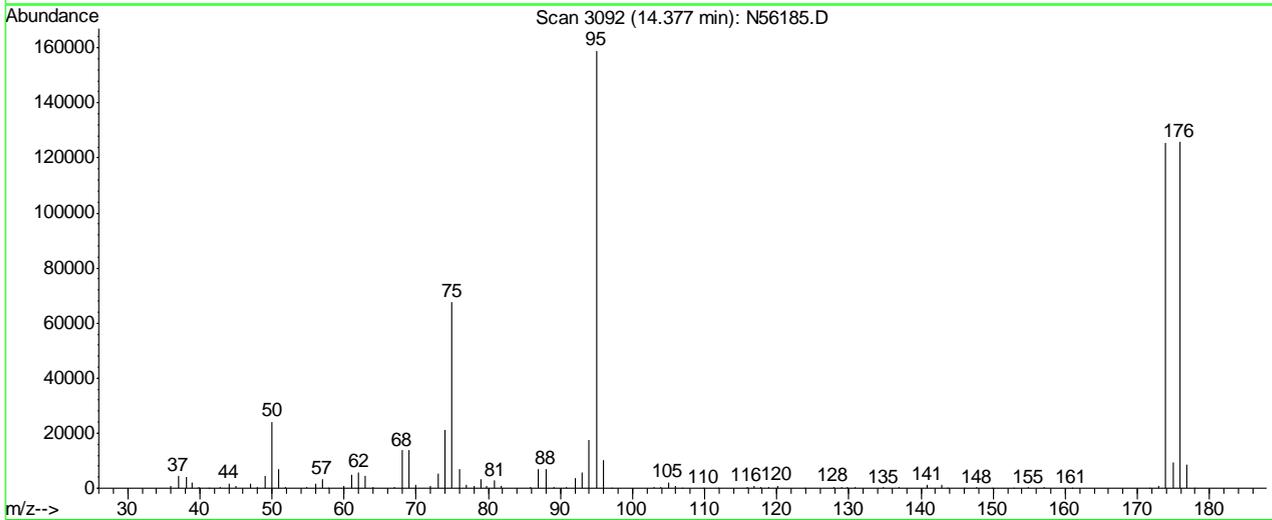
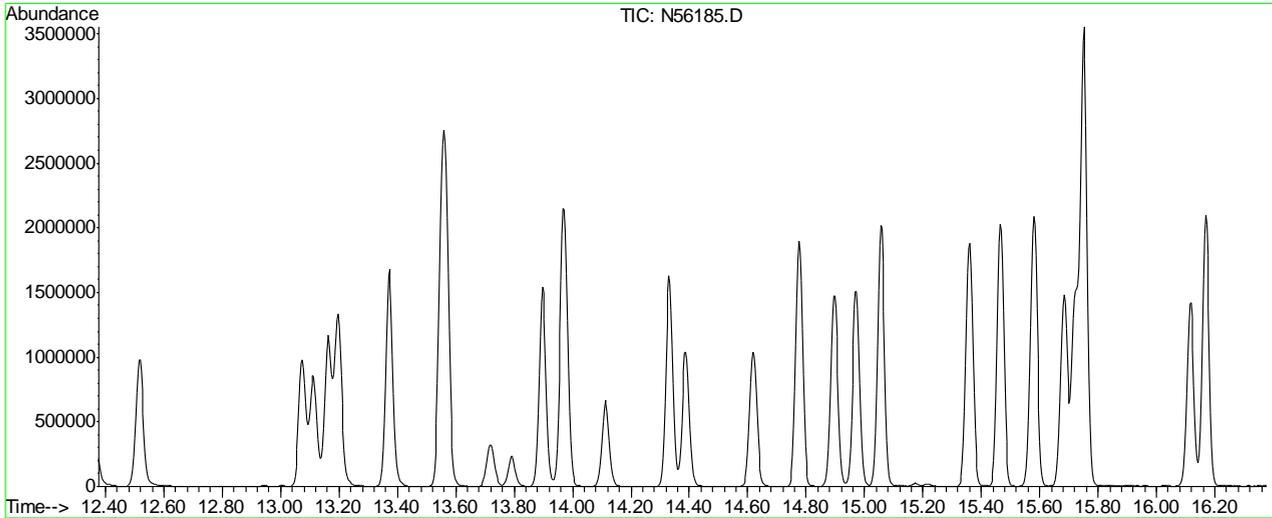
bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|-----|--------|-----|--------|-----|--------|
| 173.00 | 1125 | | | | | | |
| 174.00 | 208042 | | | | | | |
| 175.00 | 15892 | | | | | | |
| 176.00 | 202794 | | | | | | |
| 177.00 | 12753 | | | | | | |
| 177.90 | 380 | | | | | | |
| 280.80 | 54 | | | | | | |

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\N56185.D Vial: 15
 Acq On : 15 Oct 2011 5:27 pm Operator: danat
 Sample : bfb Inst : MAMSN
 Misc : MS24140,MSN2108,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3092

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 15.2 | 24184 | PASS |
| 75 | 95 | 30 | 60 | 42.6 | 67736 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 159040 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 10193 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 890 | PASS |
| 174 | 95 | 50 | 150 | 78.9 | 125456 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 9349 | PASS |
| 176 | 174 | 95 | 101 | 100.3 | 125808 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 8633 | PASS |

N56185.D N100711W.M Mon Oct 17 13:28:24 2011 RP1

Scan 3092 (14.377 min): N56185.D
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 908 | 49.00 | 4659 | 63.00 | 4485 | 77.00 | 1117 |
| 37.00 | 4479 | 50.00 | 24184 | 64.00 | 236 | 78.00 | 755 |
| 38.10 | 4093 | 51.00 | 7041 | 66.90 | 530 | 78.90 | 3320 |
| 39.00 | 2021 | 51.90 | 339 | 68.00 | 13849 | 79.80 | 789 |
| 39.90 | 228 | 54.90 | 543 | 69.00 | 13816 | 80.90 | 2847 |
| 41.20 | 189 | 56.00 | 1556 | 70.00 | 1072 | 81.80 | 639 |
| 42.90 | 322 | 57.00 | 3392 | 71.90 | 708 | 85.80 | 273 |
| 44.00 | 1766 | 57.80 | 187 | 73.00 | 5476 | 86.90 | 6962 |
| 45.00 | 881 | 59.90 | 865 | 74.00 | 21360 | 88.00 | 7071 |
| 47.00 | 1640 | 61.00 | 5073 | 75.00 | 67736 | 89.10 | 227 |
| 48.00 | 485 | 62.00 | 5826 | 76.00 | 6835 | 90.80 | 498 |

Scan 3092 (14.377 min): N56185.D
bfb

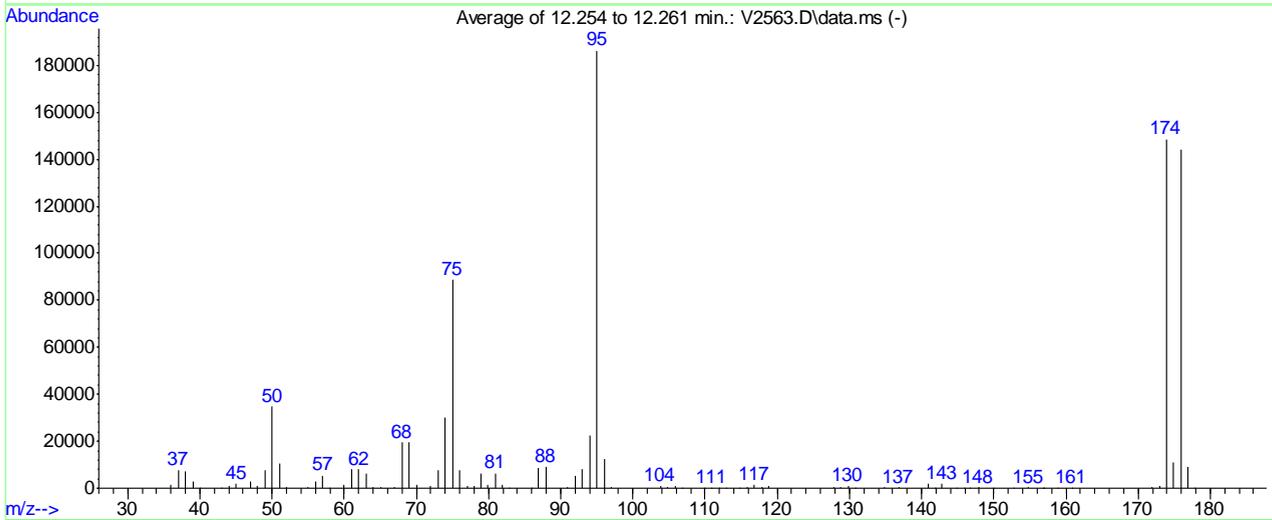
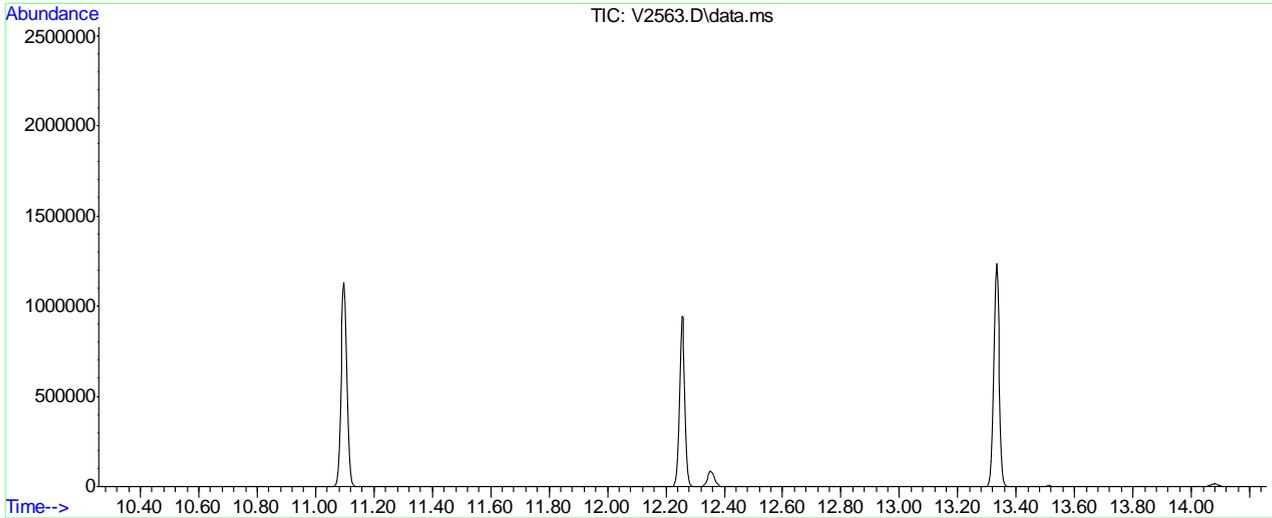
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 92.00 | 3576 | 109.90 | 214 | 130.90 | 322 | 157.00 | 250 |
| 93.00 | 5786 | 111.80 | 166 | 134.80 | 369 | 160.90 | 207 |
| 94.00 | 17512 | 115.90 | 499 | 136.90 | 240 | 171.70 | 186 |
| 95.00 | 159040 | 116.90 | 848 | 140.90 | 1140 | 173.00 | 890 |
| 96.00 | 10193 | 117.80 | 469 | 142.90 | 1082 | 173.90 | 125456 |
| 97.10 | 199 | 118.90 | 513 | 143.70 | 155 | 174.90 | 9349 |
| 103.00 | 250 | 120.10 | 877 | 146.00 | 154 | 175.90 | 125808 |
| 103.90 | 577 | 123.90 | 152 | 147.70 | 322 | 176.90 | 8633 |
| 105.00 | 2237 | 127.90 | 466 | 149.90 | 193 | 177.90 | 183 |
| 105.90 | 715 | 129.00 | 382 | 152.90 | 163 | | |
| 106.90 | 220 | 129.80 | 387 | 154.90 | 375 | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V2563.D
 Acq On : 15 Oct 2011 1:15 pm
 Sample : bfb
 Misc : MS24138,MSV112,5,,,5,1
 MS Integration Params: RTEINT.P

Vial: 8
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Average of 12.254 to 12.261 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.7 | 34792 | PASS |
| 75 | 95 | 30 | 60 | 47.6 | 88627 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 186325 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 12647 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 1102 | PASS |
| 174 | 95 | 50 | 100 | 79.8 | 148608 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 10937 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 144171 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 9132 | PASS |

Average of 12.254 to 12.261 min.: V2563.D\data.ms

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 1364 | 50.00 | 34792 | 64.00 | 631 | 77.00 | 1048 |
| 37.00 | 7699 | 51.00 | 10356 | 65.05 | 370 | 77.95 | 968 |
| 38.00 | 7041 | 52.00 | 452 | 66.95 | 382 | 78.90 | 6223 |
| 39.00 | 2968 | 54.95 | 483 | 68.00 | 19459 | 79.90 | 1601 |
| 40.00 | 137 | 56.00 | 2920 | 69.00 | 19360 | 80.90 | 6448 |
| 42.90 | 55 | 57.00 | 5388 | 70.05 | 1527 | 81.90 | 1286 |
| 44.00 | 965 | 57.95 | 225 | 71.95 | 872 | 82.85 | 127 |
| 45.00 | 1756 | 59.95 | 1438 | 73.00 | 7775 | 85.95 | 225 |
| 47.00 | 2747 | 61.00 | 8017 | 74.00 | 30176 | 86.95 | 8632 |
| 47.95 | 1008 | 62.00 | 8062 | 75.00 | 88627 | 87.95 | 8927 |
| 49.00 | 7459 | 63.00 | 6256 | 76.00 | 7642 | 90.90 | 703 |

Average of 12.254 to 12.261 min.: V2563.D\data.ms

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 92.00 | 5459 | 110.90 | 137 | 130.80 | 222 | 152.80 | 91 |
| 93.00 | 8261 | 111.90 | 69 | 134.85 | 292 | 154.85 | 469 |
| 94.00 | 22256 | 112.85 | 208 | 136.85 | 314 | 156.80 | 113 |
| 95.00 | 186325 | 114.80 | 50 | 140.90 | 1811 | 156.95 | 189 |
| 96.00 | 12647 | 115.85 | 669 | 141.85 | 210 | 158.85 | 118 |
| 97.05 | 362 | 116.85 | 1280 | 142.85 | 1859 | 160.80 | 213 |
| 103.85 | 928 | 117.90 | 631 | 144.80 | 119 | 171.90 | 472 |
| 104.75 | 274 | 118.85 | 953 | 145.90 | 192 | 172.95 | 1102 |
| 105.90 | 788 | 127.85 | 658 | 146.75 | 109 | 173.90 | 148608 |
| 106.80 | 128 | 128.85 | 267 | 147.90 | 382 | 174.90 | 10937 |
| 109.90 | 74 | 129.85 | 761 | 149.90 | 76 | 175.90 | 144171 |

Average of 12.254 to 12.261 min.: V2563.D\data.ms

bfb

Modified:subtracted

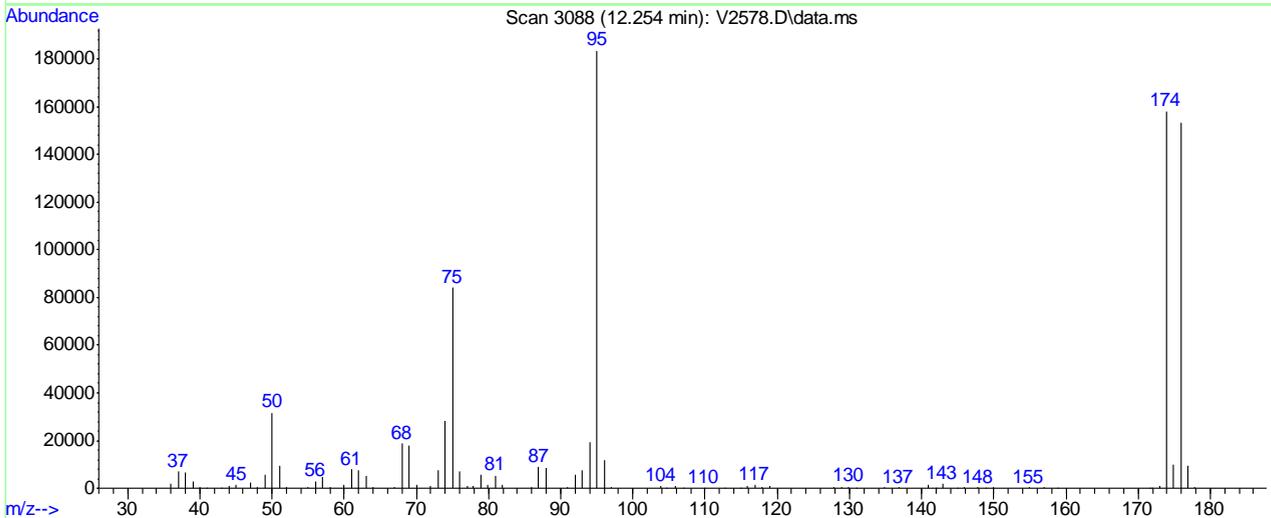
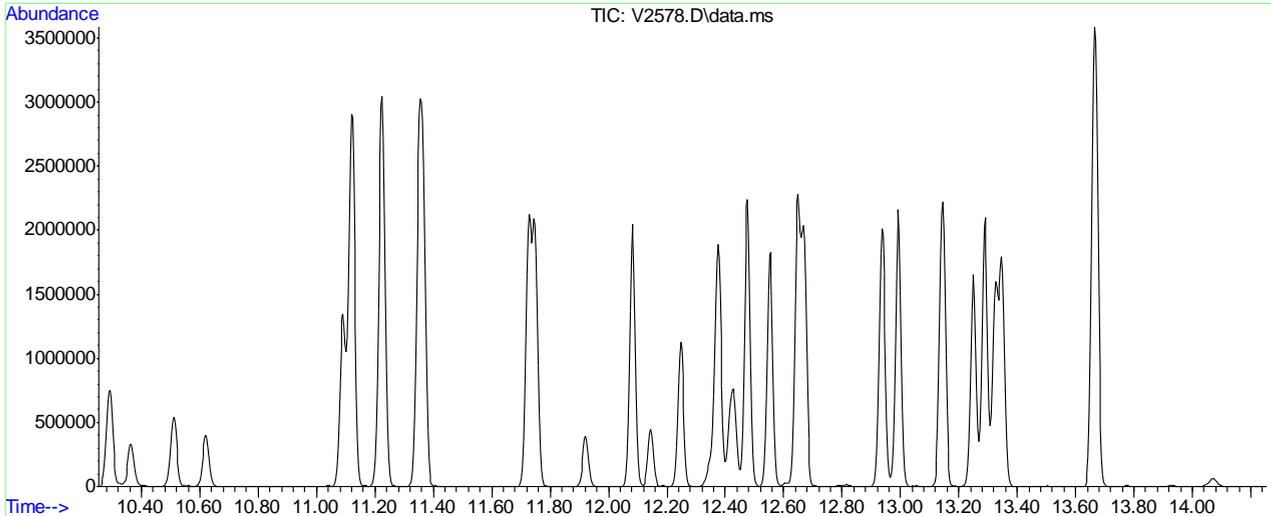
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|-----|--------|-----|--------|-----|--------|
| 176.90 | 9132 | | | | | | |
| 177.80 | 247 | | | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Sample : bfb
 Misc : MS24138,MSV112,5,,5,1
 MS Integration Params: RTEINT.P

Vial: 1
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3088

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.3 | 31712 | PASS |
| 75 | 95 | 30 | 60 | 45.8 | 84080 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 183680 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 11819 | PASS |
| 173 | 174 | 0.00 | 2 | 0.5 | 819 | PASS |
| 174 | 95 | 50 | 100 | 86.1 | 158080 | PASS |
| 175 | 174 | 5 | 9 | 6.4 | 10096 | PASS |
| 176 | 174 | 95 | 101 | 96.9 | 153152 | PASS |
| 177 | 176 | 5 | 9 | 6.1 | 9404 | PASS |

V2578.D v101511s.m Mon Oct 17 13:19:16 2011

Scan 3088 (12.254 min): V2578.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 2009 | 49.00 | 5764 | 63.00 | 5408 | 77.00 | 1075 |
| 37.00 | 6886 | 50.00 | 31712 | 64.00 | 540 | 77.90 | 963 |
| 38.00 | 6412 | 51.00 | 9314 | 66.90 | 592 | 78.90 | 5655 |
| 39.00 | 2667 | 52.00 | 427 | 68.00 | 18792 | 79.90 | 1623 |
| 40.00 | 324 | 55.00 | 508 | 69.00 | 17752 | 80.90 | 5259 |
| 41.00 | 163 | 56.00 | 2842 | 70.00 | 1251 | 81.90 | 1208 |
| 43.00 | 243 | 57.00 | 4944 | 72.00 | 833 | 85.90 | 269 |
| 44.00 | 1102 | 58.00 | 304 | 73.00 | 7596 | 86.90 | 8783 |
| 45.00 | 1386 | 60.00 | 1431 | 74.00 | 28032 | 88.00 | 8338 |
| 47.00 | 2303 | 61.00 | 7976 | 75.00 | 84080 | 90.90 | 687 |
| 47.90 | 726 | 62.00 | 7634 | 76.00 | 7186 | 92.00 | 5461 |

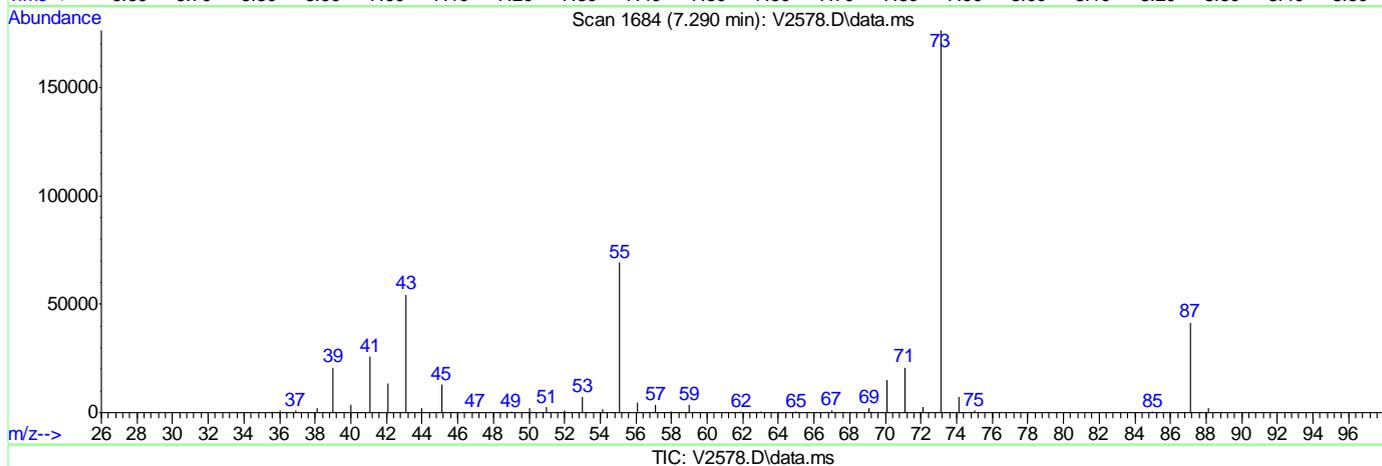
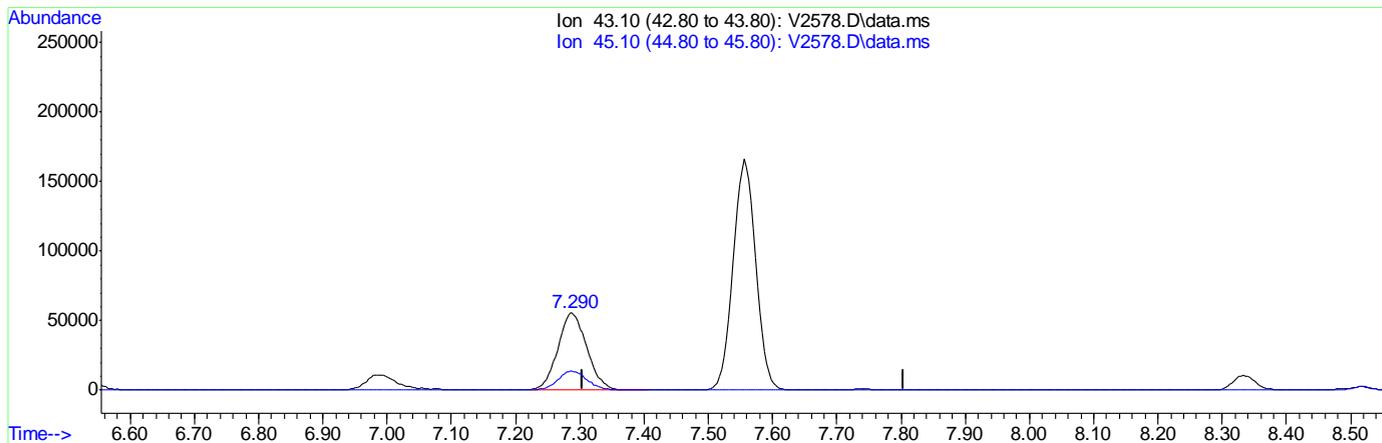
Scan 3088 (12.254 min): V2578.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 93.00 | 7477 | 114.90 | 253 | 140.90 | 1490 | 171.60 | 154 |
| 94.00 | 19504 | 115.90 | 741 | 142.00 | 230 | 171.90 | 163 |
| 95.00 | 183680 | 116.90 | 1206 | 142.90 | 1746 | 173.00 | 819 |
| 96.00 | 11819 | 117.90 | 567 | 144.90 | 157 | 173.90 | 158080 |
| 97.00 | 291 | 118.90 | 1155 | 145.90 | 275 | 174.90 | 10096 |
| 103.90 | 887 | 127.80 | 602 | 147.80 | 466 | 175.90 | 153152 |
| 104.70 | 250 | 128.90 | 267 | 148.80 | 160 | 176.90 | 9404 |
| 105.90 | 777 | 129.90 | 700 | 149.90 | 301 | 177.80 | 290 |
| 107.00 | 195 | 130.90 | 182 | 154.90 | 410 | | |
| 109.90 | 155 | 134.80 | 260 | 156.90 | 276 | | |
| 112.80 | 154 | 136.80 | 301 | 158.90 | 214 | | |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:18:42 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.290min (-0.015) 46.30ug/L m

response 175665

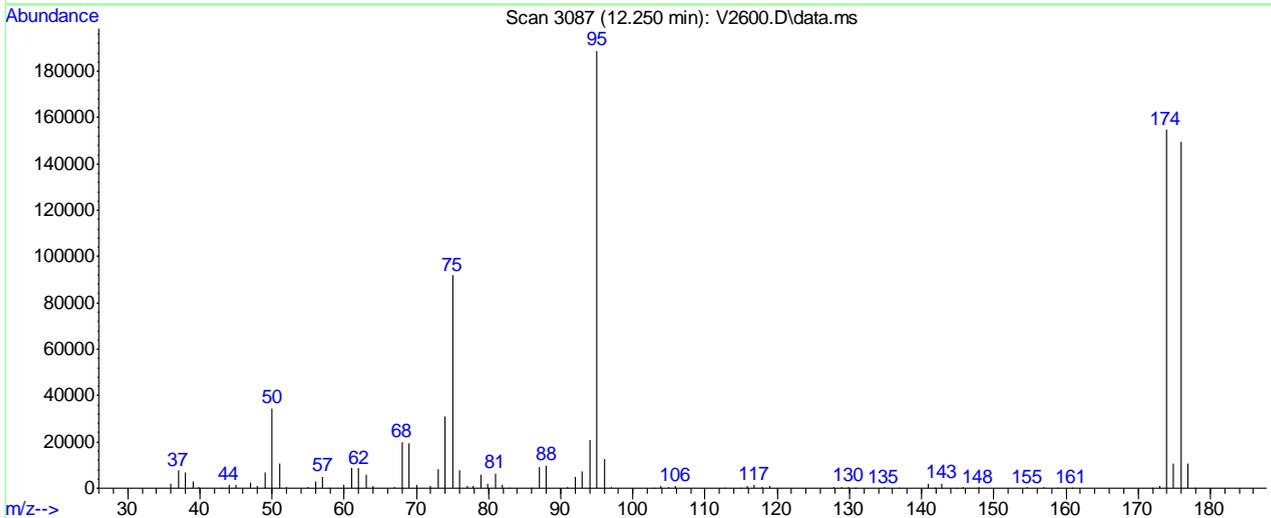
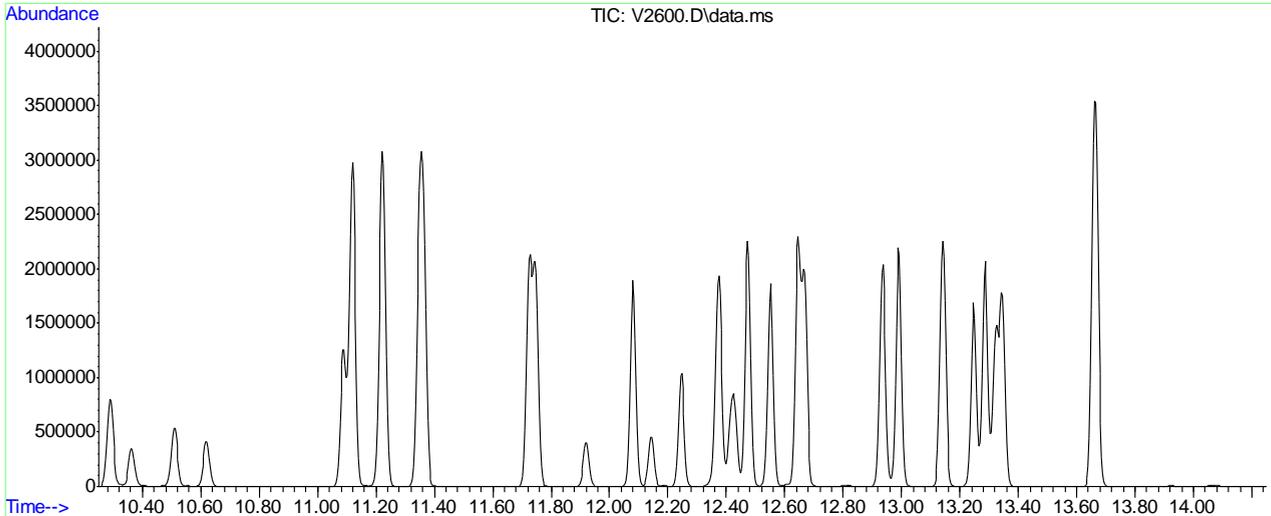
| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Sample : bfb
 Misc : MS24155,MSV114,5,,5,1
 MS Integration Params: RTEINT.P

Vial: 23
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v101511s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3087

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.3 | 34584 | PASS |
| 75 | 95 | 30 | 60 | 48.6 | 91832 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 188992 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 12563 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 1078 | PASS |
| 174 | 95 | 50 | 100 | 81.9 | 154816 | PASS |
| 175 | 174 | 5 | 9 | 7.0 | 10829 | PASS |
| 176 | 174 | 95 | 101 | 96.5 | 149440 | PASS |
| 177 | 176 | 5 | 9 | 7.0 | 10527 | PASS |

V2600.D v101511s.m Tue Oct 18 09:14:32 2011

Scan 3087 (12.250 min): V2600.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 2188 | 50.00 | 34584 | 64.00 | 782 | 77.80 | 1091 |
| 37.00 | 7625 | 51.00 | 10742 | 67.00 | 286 | 78.90 | 6060 |
| 38.00 | 7034 | 52.00 | 465 | 68.00 | 19936 | 79.90 | 1811 |
| 39.10 | 3008 | 54.90 | 539 | 69.00 | 19344 | 80.90 | 6549 |
| 39.90 | 345 | 56.00 | 2835 | 70.00 | 1708 | 81.90 | 1369 |
| 43.00 | 198 | 57.00 | 5044 | 72.00 | 1111 | 82.90 | 218 |
| 44.00 | 1367 | 57.90 | 176 | 73.00 | 8038 | 86.00 | 233 |
| 45.00 | 1332 | 60.00 | 1660 | 74.00 | 31016 | 87.00 | 9070 |
| 47.00 | 2314 | 61.00 | 8523 | 75.00 | 91832 | 88.00 | 9795 |
| 47.90 | 973 | 62.00 | 8667 | 76.00 | 7596 | 90.90 | 602 |
| 49.00 | 6552 | 63.00 | 5848 | 77.00 | 1152 | 92.00 | 4850 |

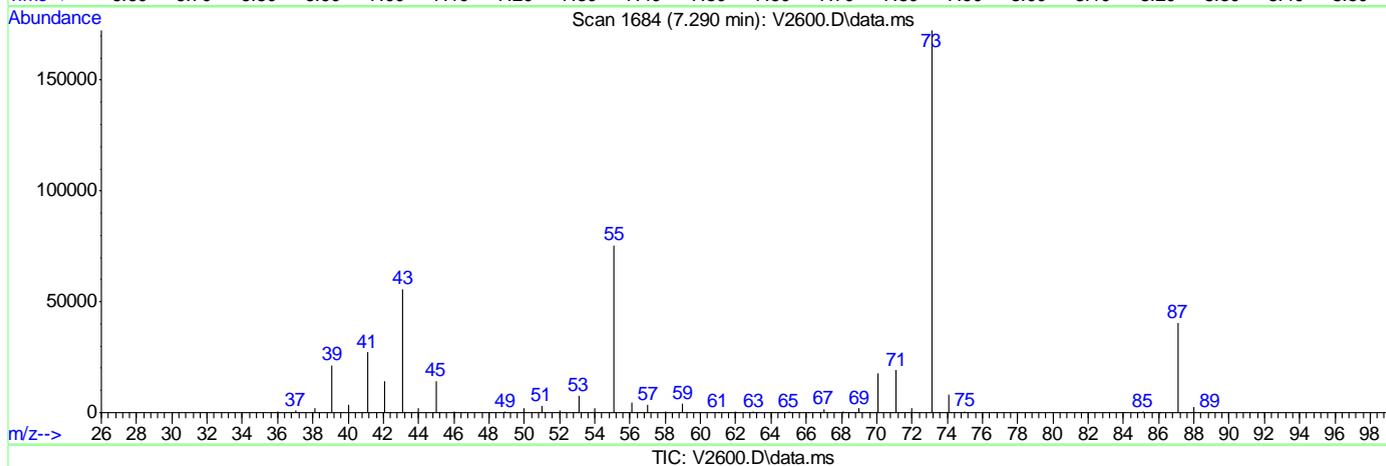
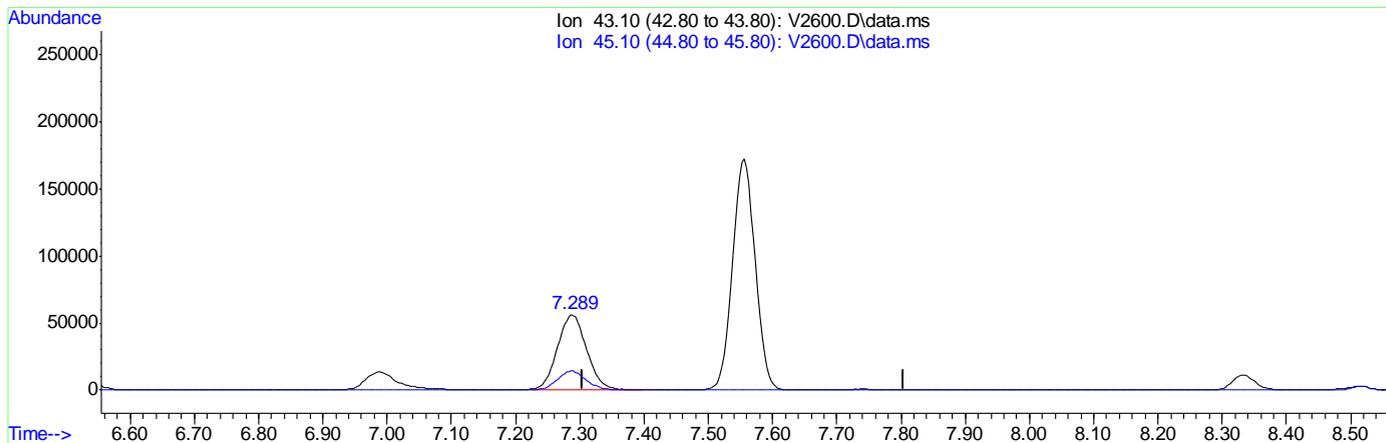
Scan 3087 (12.250 min): V2600.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 93.00 | 7309 | 115.90 | 788 | 141.90 | 216 | 173.90 | 154816 |
| 94.00 | 20768 | 116.80 | 1426 | 142.80 | 1989 | 174.90 | 10829 |
| 95.00 | 188992 | 117.90 | 616 | 144.80 | 200 | 175.90 | 149440 |
| 96.00 | 12563 | 118.90 | 801 | 145.80 | 296 | 176.90 | 10527 |
| 97.00 | 372 | 127.90 | 649 | 147.90 | 428 | 177.80 | 196 |
| 102.90 | 153 | 128.90 | 449 | 154.70 | 479 | | |
| 103.90 | 864 | 129.90 | 695 | 156.90 | 349 | | |
| 104.90 | 475 | 130.80 | 201 | 158.80 | 258 | | |
| 105.90 | 956 | 134.80 | 443 | 160.80 | 230 | | |
| 112.80 | 196 | 136.80 | 232 | 171.90 | 189 | | |
| 114.90 | 243 | 140.90 | 1761 | 173.00 | 1078 | | |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Operator : AMYM
 Sample : cc112-50
 Misc : MS24155,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 07:44:09 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.290min (-0.015) 52.76ug/L m

response 179937

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55780.D Vial: 17
 Acq On : 7 Oct 2011 10:49 am Operator: danat
 Sample : ic2093-0.5 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 11:09:31 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 132072 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 489949 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 747324 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 337165 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 332633 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|------|--------|--|
| 40) dibromofluoromethane (s) | 0.00 | 113 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |
| 60) toluene-d8 (s) | 0.00 | 98 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |
| 82) bromofluorobenzene (s) | 0.00 | 95 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|-----------------------------|-------|------|----------|------|-------|--------|
| 47) benzene | 9.71 | 78 | 10038 | 0.57 | ug/L | 91 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 1196 | 0.22 | ug/L | 51 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55780.D N100711W.M Fri Oct 07 11:10:42 2011 RP1

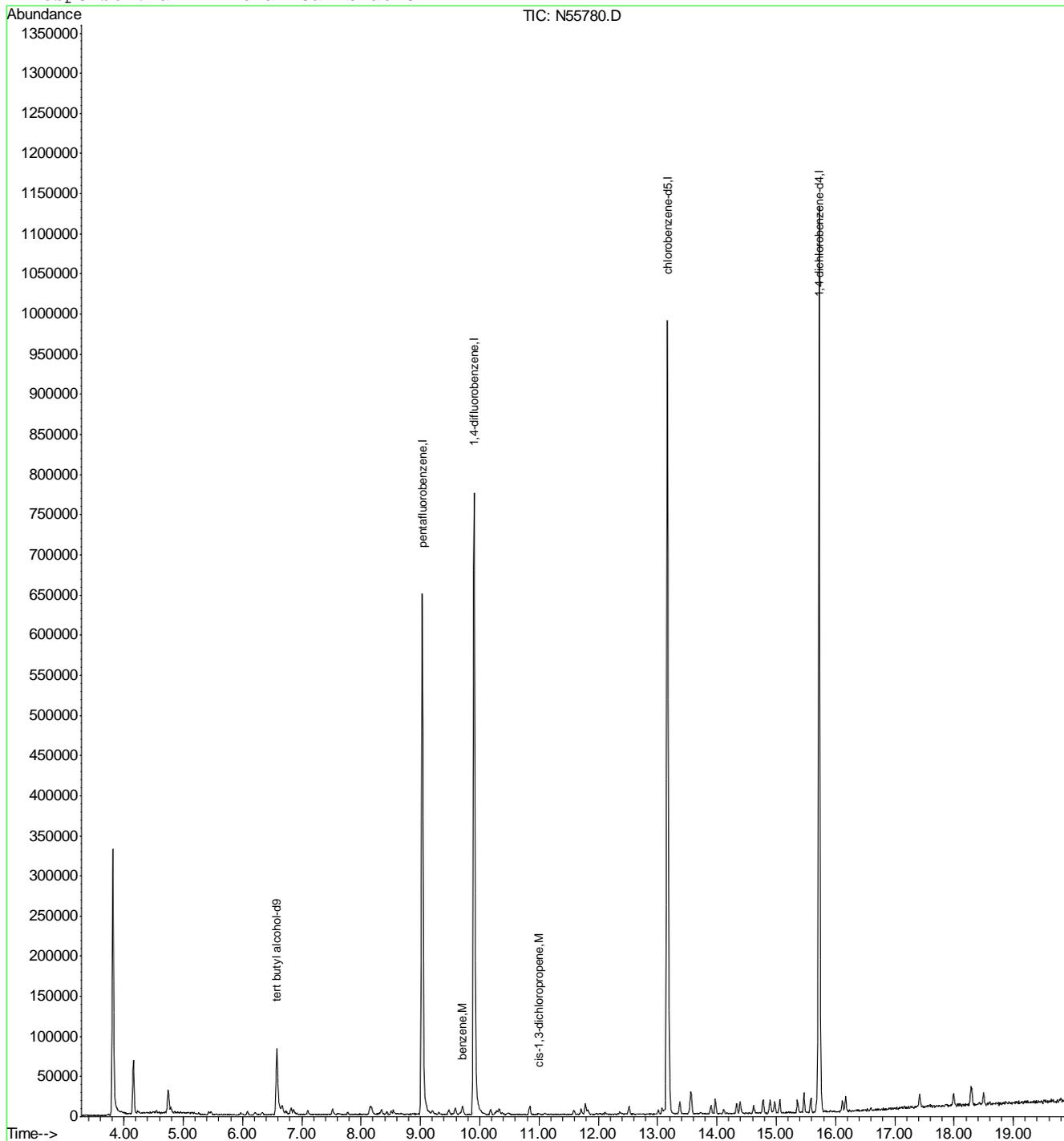
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55780.D
 Acq On : 7 Oct 2011 10:49 am
 Sample : ic2093-0.5
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 7 11:10 2011

Vial: 17
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration



6.6.1
 9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55781.D Vial: 18
 Acq On : 7 Oct 2011 11:17 am Operator: danat
 Sample : ic2093-1 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 11:38:15 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 142194 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 493182 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 750215 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 334535 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 332753 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 0.00 | 113 | 0 | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 60) toluene-d8 (s) | 0.00 | 98 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 82) bromofluorobenzene (s) | 0.00 | 95 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|------|-----|-------|--------|------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 2770 | 9.55 | ug/L | # 60 |
| 3) Ethanol | 5.42 | 45 | 7193 | 140.90 | ug/L | 95 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 3870 | 1.03 | ug/L | 99 |
| 6) chloromethane | 4.50 | 50 | 5413 | 1.31 | ug/L | 88 |
| 7) vinyl chloride | 4.75 | 62 | 7062 | 1.84 | ug/L | # 1 |
| 8) bromomethane | 5.25 | 96 | 3051 | 1.18 | ug/L | 97 |
| 9) chloroethane | 5.43 | 64 | 3039 | 1.25 | ug/L | 94 |
| 10) ethyl ether | 6.33 | 59 | 3115 | 1.01 | ug/L | 87 |
| 11) acetonitrile | 5.97 | 41 | 2940 | 1.58 | ug/L | 76 |
| 12) trichlorofluoromethane | 6.08 | 101 | 7321 | 1.14 | ug/L | 86 |
| 13) freon-113 | 6.87 | 101 | 4464 | 1.17 | ug/L | 82 |
| 14) acrolein | 6.08 | 56 | 1579 | 10.49 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.68 | 96 | 5636 | 1.42 | ug/L | # 71 |
| 17) Methyl Acetate | 6.86 | 43 | 3967 | 0.84 | ug/L | # 95 |
| 18) methylene chloride | 6.82 | 84 | 6108 | 1.49 | ug/L | 87 |
| 19) methyl tert butyl ether | 7.61 | 73 | 4820 | 0.49 | ug/L | 78 |
| 20) acrylonitrile | 6.72 | 53 | 1177 | 4.52 | ug/L | 80 |
| 21) allyl chloride | 6.91 | 41 | 2742 | 0.62 | ug/L | 69 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 5155 | 1.16 | ug/L | 93 |
| 23) iodomethane | 6.74 | 142 | 4014 | 1.07 | ug/L | 92 |
| 24) carbon disulfide | 7.10 | 76 | 15224 | 1.27 | ug/L | 97 |
| 26) vinyl acetate | 6.86 | 43 | 3967 | 0.84 | ug/L | 80 |
| 27) chloroprene | 8.14 | 53 | 5423 | 1.09 | ug/L | 94 |
| 28) di-isopropyl ether | 8.18 | 45 | 14590 | 1.17 | ug/L | 85 |
| 29) methacrylonitrile | 8.29 | 41 | 2143 | 0.91 | ug/L | 77 |
| 31) Hexane | 8.16 | 41 | 6387 | 1.25 | ug/L | 82 |
| 32) 1,1-dichloroethane | 7.78 | 63 | 6217 | 0.94 | ug/L | 91 |
| 33) tert-butyl ethyl ether | 8.58 | 59 | 755 | 0.13 | ug/L | 84 |
| 34) isobutyl alcohol | 8.18 | 43 | 12337 | 5.76 | ug/L | 87 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 6548 | 1.28 | ug/L | 90 |
| 37) ethyl acetate | 8.18 | 43 | 11523 | 1.08 | ug/L | 99 |
| 38) bromochloromethane | 8.51 | 128 | 2412 | 1.14 | ug/L | 91 |
| 39) chloroform | 8.55 | 83 | 8452 | 1.17 | ug/L | 86 |
| 41) Tetrahydrofuran | 8.88 | 42 | 1080 | 0.90 | ug/L | 80 |
| 42) 1,1,1-trichloroethane | 9.30 | 97 | 3173 | 0.53 | ug/L | 95 |

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

N55781.D N100711W.M Fri Oct 07 12:09:32 2011 RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55781.D
 Acq On : 7 Oct 2011 11:17 am
 Sample : ic2093-1
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 11:38:15 2011

Vial: 18
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 44) Cyclohexane | 9.59 | 56 | 7577 | 1.10 | ug/L # | 83 |
| 45) carbon tetrachloride | 9.67 | 117 | 3811 | 0.74 | ug/L | 87 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 5959 | 1.04 | ug/L | 97 |
| 47) benzene | 9.71 | 78 | 20952 | 1.19 | ug/L | 98 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 5869 | 1.09 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.84 | 73 | 924 | 0.16 | ug/L | 75 |
| 50) heptane | 10.18 | 43 | 4292 | 1.02 | ug/L | 94 |
| 51) trichloroethene | 10.33 | 95 | 5587 | 1.15 | ug/L | 83 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 4575 | 1.10 | ug/L | 85 |
| 53) dibromomethane | 10.27 | 93 | 2578 | 0.95 | ug/L | 95 |
| 54) bromodichloromethane | 10.38 | 83 | 5222 | 0.95 | ug/L | 89 |
| 55) Methylcyclohexane | 10.85 | 83 | 8208 | 1.08 | ug/L # | 82 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 4575 | 1.10 | ug/L # | 97 |
| 57) methyl methacrylate | 10.48 | 69 | 1705 | 0.76 | ug/L | 94 |
| 59) cis-1,3-dichloropropene | 11.00 | 75 | 2853 | 0.52 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.10 | 43 | 3258 | 0.85 | ug/L # | 76 |
| 62) toluene | 11.78 | 92 | 13081 | 1.13 | ug/L | 95 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 652 | 0.19 | ug/L | 46 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 3415 | 0.99 | ug/L | 88 |
| 65) ethyl methacrylate | 11.80 | 69 | 1477 | 0.49 | ug/L | 87 |
| 67) tetrachloroethene | 12.52 | 166 | 5556 | 1.10 | ug/L | 82 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 7439 | 1.16 | ug/L | 96 |
| 69) dibromochloromethane | 12.12 | 129 | 3389 | 0.86 | ug/L | 95 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 4252 | 1.01 | ug/L | 74 |
| 71) 2-hexanone | 11.96 | 43 | 2080 | 0.83 | ug/L # | 51 |
| 72) chlorobenzene | 13.20 | 112 | 15485 | 1.23 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.12 | 131 | 3983 | 0.95 | ug/L | 76 |
| 74) ethylbenzene | 13.38 | 91 | 24547 | 1.14 | ug/L | 93 |
| 75) m,p-xylene | 13.56 | 106 | 20494 | 2.42 | ug/L | 93 |
| 76) o-xylene | 13.98 | 106 | 9436 | 1.14 | ug/L | 86 |
| 77) styrene | 13.90 | 104 | 13205 | 0.97 | ug/L | 94 |
| 78) bromoform | 13.73 | 173 | 1683 | 0.69 | ug/L | 90 |
| 79) trans-1,4-dichloro-2-buten | 13.98 | 53 | 486m | 1.36 | ug/L | |
| 81) isopropylbenzene | 14.33 | 105 | 19862 | 1.09 | ug/L | 90 |
| 83) bromobenzene | 14.63 | 156 | 6111 | 1.11 | ug/L | 86 |
| 84) 1,1,2,2-tetrachloroethane | 13.97 | 83 | 5137 | 1.08 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 4097 | 1.02 | ug/L | 93 |
| 86) n-propylbenzene | 14.78 | 91 | 26175 | 1.08 | ug/L | 94 |
| 87) 2-chlorotoluene | 14.90 | 91 | 17531 | 1.19 | ug/L | 92 |
| 88) 4-chlorotoluene | 14.97 | 91 | 15796 | 1.06 | ug/L | 94 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 19033 | 1.07 | ug/L | 86 |
| 90) tert-butylbenzene | 15.36 | 91 | 10484 | 1.04 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 22035 | 1.22 | ug/L | 98 |
| 92) sec-butylbenzene | 15.58 | 105 | 23616 | 1.00 | ug/L | 95 |
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 11857 | 1.13 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.75 | 119 | 19895 | 1.07 | ug/L | 94 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 12465 | 1.20 | ug/L | 90 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 10917 | 1.09 | ug/L | 96 |
| 97) n-butylbenzene | 16.17 | 91 | 18320 | 1.01 | ug/L | 96 |

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

N55781.D N100711W.M

Fri Oct 07 12:09:32 2011

RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55781.D Vial: 18
 Acq On : 7 Oct 2011 11:17 am Operator: danat
 Sample : ic2093-1 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 11:38:15 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 809 | 0.85 | ug/L # | 33 |
| 99) 1,2,4-trichlorobenzene | 17.98 | 180 | 7055 | 1.04 | ug/L | 88 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 8868 | 1.13 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.30 | 225 | 3835 | 1.05 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 14572 | 0.97 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 6117 | 1.02 | ug/L | 100 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 2156m | 0.47 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55781.D N100711W.M Fri Oct 07 12:09:32 2011 RP1

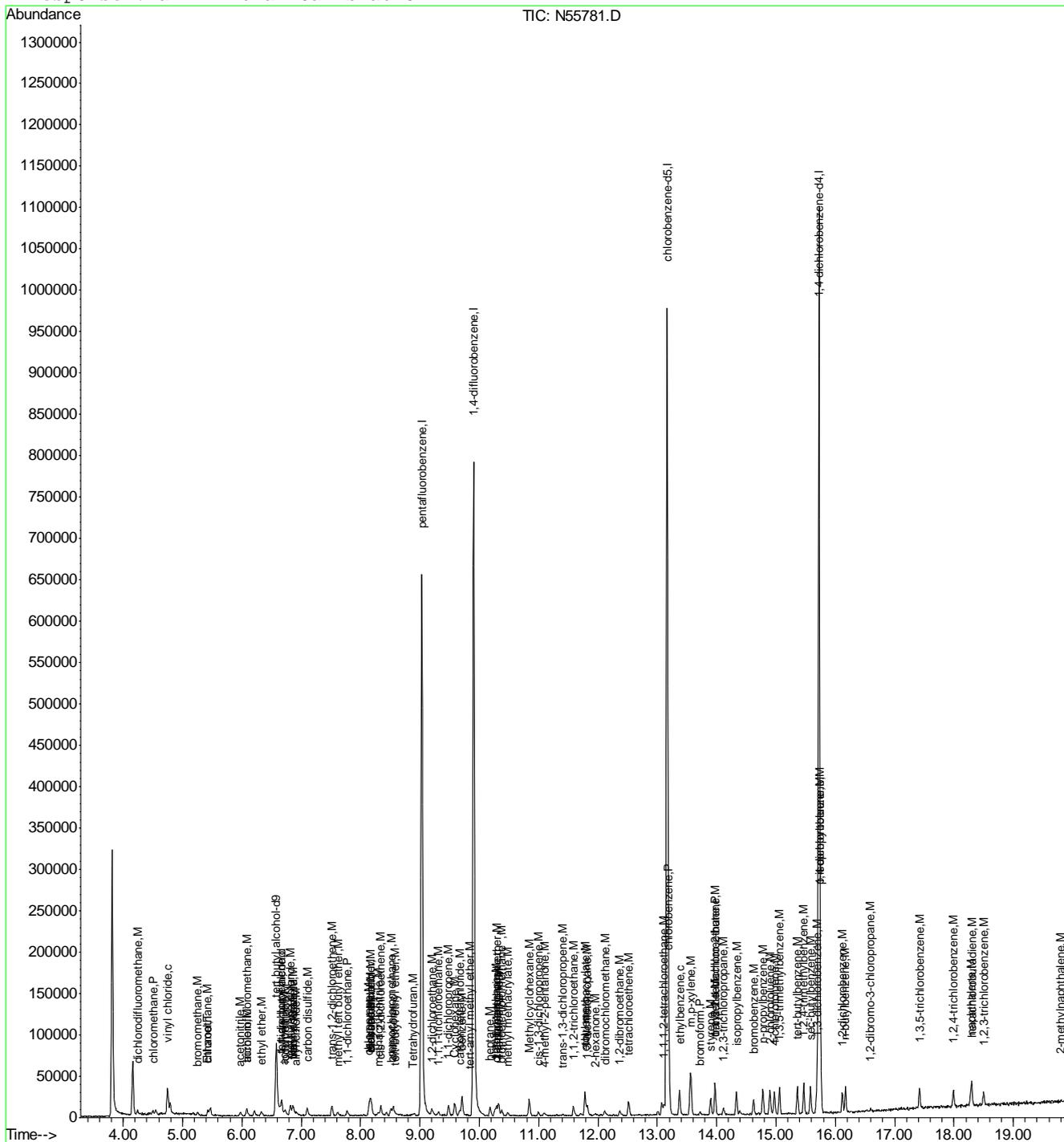
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55781.D
 Acq On : 7 Oct 2011 11:17 am
 Sample : ic2093-1
 Misc : MS24058,MSN2093,,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 7 11:40 2011

Vial: 18
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration



6.6.2
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55782.D Vial: 19
 Acq On : 7 Oct 2011 11:45 am Operator: danat
 Sample : ic2093-2 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 12:07:34 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 141482 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 489902 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 748850 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 332197 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 335701 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 7591 | 1.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 3.24%# |
| 60) toluene-d8 (s) | 11.70 | 98 | 29705 | 1.60 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 3.20%# |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 11361 | 1.70 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 3.40%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 2) tertiary butyl alcohol | 6.68 | 59 | 6068 | 21.02 | ug/L # | 47 |
| 3) Ethanol | 5.43 | 45 | 16310 | 321.10 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 9737 | 2.60 | ug/L | 89 |
| 6) chloromethane | 4.50 | 50 | 9910 | 2.42 | ug/L | 100 |
| 7) vinyl chloride | 4.75 | 62 | 13173 | 3.46 | ug/L # | 1 |
| 8) bromomethane | 5.26 | 96 | 5409 | 2.11 | ug/L | 98 |
| 9) chloroethane | 5.43 | 64 | 6429 | 2.66 | ug/L | 100 |
| 10) ethyl ether | 6.33 | 59 | 7566 | 2.47 | ug/L | 87 |
| 11) acetonitrile | 5.97 | 41 | 5727 | 3.09 | ug/L | 94 |
| 12) trichlorofluoromethane | 6.08 | 101 | 15816 | 2.47 | ug/L | 93 |
| 13) freon-113 | 6.87 | 101 | 9375 | 2.47 | ug/L | 94 |
| 14) acrolein | 6.07 | 56 | 3466 | 23.17 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 12188 | 3.09 | ug/L | 87 |
| 16) acetone | 6.22 | 43 | 6891 | 4.42 | ug/L | 95 |
| 17) Methyl Acetate | 6.86 | 43 | 9830 | 2.09 | ug/L | 93 |
| 18) methylene chloride | 6.82 | 84 | 11049 | 2.71 | ug/L | 94 |
| 19) methyl tert butyl ether | 7.61 | 73 | 10221 | 1.05 | ug/L | 98 |
| 20) acrylonitrile | 6.72 | 53 | 2705 | 10.45 | ug/L | 78 |
| 21) allyl chloride | 6.92 | 41 | 7033 | 1.59 | ug/L | 93 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 10787 | 2.44 | ug/L | 87 |
| 23) iodomethane | 6.73 | 142 | 9195 | 2.48 | ug/L | 97 |
| 24) carbon disulfide | 7.10 | 76 | 31036 | 2.61 | ug/L | 98 |
| 26) vinyl acetate | 6.86 | 43 | 9830 | 2.09 | ug/L | 93 |
| 27) chloroprene | 8.14 | 53 | 12021 | 2.44 | ug/L | 92 |
| 28) di-isopropyl ether | 8.18 | 45 | 28226 | 2.28 | ug/L | 96 |
| 29) methacrylonitrile | 8.29 | 41 | 5027 | 2.15 | ug/L | 82 |
| 30) 2-butanone | 8.19 | 72 | 821 | 1.71 | ug/L # | 67 |
| 31) Hexane | 8.17 | 41 | 12205 | 2.41 | ug/L | 99 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 14774 | 2.24 | ug/L | 94 |
| 33) tert-butyl ethyl ether | 8.58 | 59 | 1792 | 0.31 | ug/L | 78 |
| 34) isobutyl alcohol | 8.18 | 43 | 24342 | 11.44 | ug/L | 93 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 11814 | 2.33 | ug/L | 88 |
| 37) ethyl acetate | 8.18 | 43 | 24342 | 2.29 | ug/L | 96 |
| 38) bromochloromethane | 8.51 | 128 | 5580 | 2.65 | ug/L # | 83 |
| 39) chloroform | 8.55 | 83 | 17545 | 2.45 | ug/L | 90 |

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

N55782.D N100711W.M Fri Oct 07 12:09:25 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55782.D
 Acq On : 7 Oct 2011 11:45 am
 Sample : ic2093-2
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 12:07:34 2011

Vial: 19
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 41) Tetrahydrofuran | 8.88 | 42 | 2281 | 1.91 | ug/L | 64 |
| 42) 1,1,1-trichloroethane | 9.30 | 97 | 9165 | 1.55 | ug/L | 95 |
| 44) Cyclohexane | 9.59 | 56 | 16282 | 2.36 | ug/L | 92 |
| 45) carbon tetrachloride | 9.68 | 117 | 9747 | 1.88 | ug/L | 84 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 12941 | 2.26 | ug/L | 95 |
| 47) benzene | 9.71 | 78 | 41100 | 2.34 | ug/L | 89 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 12916 | 2.40 | ug/L | 85 |
| 49) tert-amyl methyl ether | 9.83 | 73 | 2003 | 0.34 | ug/L | 97 |
| 50) heptane | 10.17 | 43 | 8927 | 2.13 | ug/L | 87 |
| 51) trichloroethene | 10.33 | 95 | 11430 | 2.36 | ug/L # | 73 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 9075 | 2.18 | ug/L | 85 |
| 53) dibromomethane | 10.26 | 93 | 6206 | 2.29 | ug/L | 96 |
| 54) bromodichloromethane | 10.38 | 83 | 10657 | 1.93 | ug/L | 98 |
| 55) Methylcyclohexane | 10.84 | 83 | 18409 | 2.43 | ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 9075 | 2.18 | ug/L # | 97 |
| 57) methyl methacrylate | 10.48 | 69 | 3854 | 1.72 | ug/L | 85 |
| 58) 1,4-dioxane | 10.48 | 88 | 601 | 10.72 | ug/L | 95 |
| 59) cis-1,3-dichloropropene | 11.00 | 75 | 7232 | 1.32 | ug/L | 96 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 6750 | 1.75 | ug/L | 87 |
| 62) toluene | 11.78 | 92 | 26517 | 2.29 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 1969 | 0.58 | ug/L | 84 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 7898 | 2.29 | ug/L | 82 |
| 65) ethyl methacrylate | 11.79 | 69 | 3889 | 1.30 | ug/L | 87 |
| 67) tetrachloroethene | 12.53 | 166 | 12016 | 2.40 | ug/L | 78 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 15898 | 2.50 | ug/L | 91 |
| 69) dibromochloromethane | 12.12 | 129 | 7814 | 1.99 | ug/L | 86 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 9203 | 2.20 | ug/L | 91 |
| 71) 2-hexanone | 11.95 | 43 | 4413 | 1.77 | ug/L | 84 |
| 72) chlorobenzene | 13.20 | 112 | 30083 | 2.40 | ug/L | 92 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 8358 | 2.01 | ug/L | 85 |
| 74) ethylbenzene | 13.37 | 91 | 48849 | 2.28 | ug/L | 100 |
| 75) m,p-xylene | 13.56 | 106 | 40235 | 4.79 | ug/L | 92 |
| 76) o-xylene | 13.98 | 106 | 18957 | 2.31 | ug/L | 98 |
| 77) styrene | 13.90 | 104 | 25478 | 1.89 | ug/L | 100 |
| 78) bromoform | 13.72 | 173 | 4249 | 1.76 | ug/L | 93 |
| 79) trans-1,4-dichloro-2-buten | 13.97 | 53 | 700 | 1.97 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 40611 | 2.20 | ug/L | 98 |
| 83) bromobenzene | 14.62 | 156 | 12123 | 2.19 | ug/L | 93 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 11381 | 2.36 | ug/L | 96 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 9050 | 2.23 | ug/L | 95 |
| 86) n-propylbenzene | 14.78 | 91 | 54984 | 2.26 | ug/L | 97 |
| 87) 2-chlorotoluene | 14.90 | 91 | 34135 | 2.30 | ug/L | 92 |
| 88) 4-chlorotoluene | 14.97 | 91 | 34552 | 2.30 | ug/L | 94 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 38178 | 2.13 | ug/L | 93 |
| 90) tert-butylbenzene | 15.36 | 91 | 22458 | 2.21 | ug/L | 93 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 40943 | 2.24 | ug/L | 98 |
| 92) sec-butylbenzene | 15.58 | 105 | 52012 | 2.19 | ug/L | 96 |
| 93) 1,3-dichlorobenzene | 15.69 | 146 | 24319 | 2.30 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.76 | 119 | 43495 | 2.33 | ug/L | 96 |

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

N55782.D N100711W.M

Fri Oct 07 12:09:25 2011

RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55782.D Vial: 19
 Acq On : 7 Oct 2011 11:45 am Operator: danat
 Sample : ic2093-2 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 12:07:34 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 25388 | 2.42 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.11 | 146 | 22730 | 2.25 | ug/L | 88 |
| 97) n-butylbenzene | 16.17 | 91 | 37890 | 2.08 | ug/L | 94 |
| 98) 1,2-dibromo-3-chloropropan | 16.60 | 75 | 1526 | 1.58 | ug/L # | 71 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 14060 | 2.05 | ug/L | 78 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 16839 | 2.13 | ug/L | 97 |
| 101) hexachlorobutadiene | 18.30 | 225 | 7229 | 1.96 | ug/L | 91 |
| 102) naphthalene | 18.29 | 128 | 26693 | 1.76 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 11282 | 1.87 | ug/L | 90 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 2685m | 0.58 | ug/L | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55782.D N100711W.M Fri Oct 07 12:09:25 2011 RP1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55783.D Vial: 20
 Acq On : 7 Oct 2011 12:13 pm Operator: danat
 Sample : ic2093-5 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:41:41 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:41:32 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 147085 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 485579 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 748864 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 335886 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 340925 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|------|--------|------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 23830 | 4.57 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 9.14%# | |
| 60) toluene-d8 (s) | 11.71 | 98 | 93203 | 4.64 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 9.28%# | |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 36232 | 4.84 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 9.68%# | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 11892 | 44.26 | ug/L | 80 |
| 3) Ethanol | 5.43 | 45 | 32158 | 517.04 | ug/L | 96 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 18881 | 5.13 | ug/L | 100 |
| 6) chloromethane | 4.50 | 50 | 18648 | 5.55 | ug/L | 92 |
| 7) vinyl chloride | 4.75 | 62 | 22938 | 5.84 | ug/L | 51 |
| 8) bromomethane | 5.25 | 96 | 10818 | 4.46 | ug/L | 90 |
| 9) chloroethane | 5.42 | 64 | 13548 | 5.01 | ug/L | 89 |
| 10) ethyl ether | 6.32 | 59 | 15150 | 4.80 | ug/L | 98 |
| 11) acetonitrile | 5.98 | 41 | 11802 | 6.55 | ug/L | 97 |
| 12) trichlorofluoromethane | 6.09 | 101 | 33119 | 5.00 | ug/L | 97 |
| 13) freon-113 | 6.87 | 101 | 19600 | 4.83 | ug/L | 88 |
| 14) acrolein | 6.07 | 56 | 6941 | 29.67 | ug/L | 90 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 21789 | 5.75 | ug/L | 95 |
| 16) acetone | 6.21 | 43 | 14811 | 6.88 | ug/L | 97 |
| 17) Methyl Acetate | 6.86 | 43 | 19550 | 4.79 | ug/L | 97 |
| 18) methylene chloride | 6.82 | 84 | 21909 | 5.15 | ug/L | 82 |
| 19) methyl tert butyl ether | 7.62 | 73 | 19984 | 3.40 | ug/L | 92 |
| 20) acrylonitrile | 6.72 | 53 | 5312 | 21.32 | ug/L | 96 |
| 21) allyl chloride | 6.92 | 41 | 16739 | 3.39 | ug/L | 87 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 22024 | 5.22 | ug/L | 95 |
| 23) iodomethane | 6.73 | 142 | 20027 | 4.43 | ug/L | 98 |
| 24) carbon disulfide | 7.11 | 76 | 65507 | 5.02 | ug/L | 98 |
| 25) propionitrile | 6.65 | 54 | 402m | 3.35 | ug/L | |
| 26) vinyl acetate | 6.86 | 43 | 19550 | 4.79 | ug/L | 97 |
| 27) chloroprene | 8.14 | 53 | 26068 | 4.60 | ug/L | 99 |
| 28) di-isopropyl ether | 8.18 | 45 | 59896 | 4.89 | ug/L | 94 |
| 29) methacrylonitrile | 8.30 | 41 | 10014 | 4.75 | ug/L | 92 |
| 30) 2-butanone | 8.19 | 72 | 2505 | 4.37 | ug/L # | 33 |
| 31) Hexane | 8.17 | 41 | 25944 | 5.11 | ug/L | 93 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 32368 | 4.66 | ug/L | 92 |
| 33) tert-butyl ethyl ether | 8.58 | 59 | 3933 | 2.19 | ug/L | 95 |
| 34) isobutyl alcohol | 8.18 | 43 | 52366 | 25.53 | ug/L | 98 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 1255 | 0.65 | ug/L | 54 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 24047 | 4.98 | ug/L | 93 |
| 37) ethyl acetate | 8.18 | 43 | 52366 | 5.15 | ug/L | 87 |

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

N55783.D N100711W.M Fri Oct 07 13:43:24 2011 RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55783.D
 Acq On : 7 Oct 2011 12:13 pm
 Sample : ic2093-5
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:41:41 2011

Vial: 20
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:41:32 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 10907 | 5.04 | ug/L | 92 |
| 39) chloroform | 8.55 | 83 | 35006 | 4.79 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.88 | 42 | 4842 | 5.25 | ug/L | 81 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 22924 | 3.73 | ug/L | 97 |
| 44) Cyclohexane | 9.59 | 56 | 34801 | 4.92 | ug/L # | 90 |
| 45) carbon tetrachloride | 9.67 | 117 | 20486 | 4.06 | ug/L | 97 |
| 46) 1,1-dichloropropene | 9.49 | 75 | 26734 | 4.64 | ug/L | 93 |
| 47) benzene | 9.71 | 78 | 86369 | 4.97 | ug/L | 98 |
| 48) 1,2-dichloroethane | 9.21 | 62 | 24981 | 4.81 | ug/L | 93 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 4141 | 2.83 | ug/L | 83 |
| 50) heptane | 10.18 | 43 | 18362 | 4.82 | ug/L | 95 |
| 51) trichloroethene | 10.33 | 95 | 23473 | 4.95 | ug/L | 95 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 19736 | 4.73 | ug/L | 98 |
| 53) dibromomethane | 10.27 | 93 | 12738 | 4.78 | ug/L | 94 |
| 54) bromodichloromethane | 10.38 | 83 | 23318 | 4.38 | ug/L | 92 |
| 55) Methylcyclohexane | 10.85 | 83 | 36425 | 4.69 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 19736 | 4.73 | ug/L # | 100 |
| 57) methyl methacrylate | 10.47 | 69 | 8617 | 3.87 | ug/L | 90 |
| 58) 1,4-dioxane | 10.48 | 88 | 1008 | 19.44 | ug/L # | 62 |
| 59) cis-1,3-dichloropropene | 11.00 | 75 | 17723 | 3.11 | ug/L | 95 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 14623 | 4.70 | ug/L | 92 |
| 62) toluene | 11.79 | 92 | 55722 | 4.83 | ug/L | 89 |
| 63) trans-1,3-dichloropropene | 11.42 | 75 | 6161 | 1.85 | ug/L | 80 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 15500 | 4.70 | ug/L | 89 |
| 65) ethyl methacrylate | 11.79 | 69 | 10386 | 2.68 | ug/L | 94 |
| 67) tetrachloroethene | 12.52 | 166 | 24046 | 4.86 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 30398 | 4.84 | ug/L | 97 |
| 69) dibromochloromethane | 12.12 | 129 | 16098 | 4.24 | ug/L | 95 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 19025 | 4.84 | ug/L | 90 |
| 71) 2-hexanone | 11.95 | 43 | 11197 | 4.75 | ug/L | 96 |
| 72) chlorobenzene | 13.20 | 112 | 60350 | 4.82 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 17747 | 4.44 | ug/L | 94 |
| 74) ethylbenzene | 13.38 | 91 | 101318 | 4.81 | ug/L | 98 |
| 75) m,p-xylene | 13.57 | 106 | 82559 | 9.72 | ug/L | 86 |
| 76) o-xylene | 13.97 | 106 | 38977 | 4.69 | ug/L | 93 |
| 77) styrene | 13.90 | 104 | 56352 | 4.27 | ug/L | 96 |
| 78) bromoform | 13.72 | 173 | 8703 | 3.89 | ug/L | 83 |
| 79) trans-1,4-dichloro-2-buten | 13.97 | 53 | 1447 | 15.14 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 86633 | 4.71 | ug/L | 95 |
| 83) bromobenzene | 14.62 | 156 | 25307 | 4.70 | ug/L | 95 |
| 84) 1,1,2,2-tetrachloroethane | 13.97 | 83 | 21849 | 4.67 | ug/L | 93 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 17503 | 4.85 | ug/L | 94 |
| 86) n-propylbenzene | 14.78 | 91 | 113388 | 4.60 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.90 | 91 | 71162 | 4.91 | ug/L | 100 |
| 88) 4-chlorotoluene | 14.97 | 91 | 70617 | 4.78 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 83847 | 4.66 | ug/L | 98 |
| 90) tert-butylbenzene | 15.36 | 91 | 47236 | 4.74 | ug/L | 94 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 85550 | 4.80 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 111642 | 4.64 | ug/L | 99 |

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

N55783.D N100711W.M

Fri Oct 07 13:43:24 2011

RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55783.D Vial: 20
 Acq On : 7 Oct 2011 12:13 pm Operator: danat
 Sample : ic2093-5 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:41:41 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:41:32 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 48768 | 4.78 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.76 | 119 | 86883 | 4.63 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 51070 | 4.91 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 46278 | 4.80 | ug/L | 98 |
| 97) n-butylbenzene | 16.17 | 91 | 79973 | 4.51 | ug/L | 96 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 3145 | 4.50 | ug/L # | 80 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 26847 | 4.39 | ug/L | 89 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 32664 | 4.61 | ug/L | 97 |
| 101) hexachlorobutadiene | 18.30 | 225 | 15438 | 4.82 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 51943 | 3.68 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 21738 | 4.01 | ug/L | 92 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 4859m | 1.58 | ug/L | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55783.D N100711W.M Fri Oct 07 13:43:24 2011 RP1

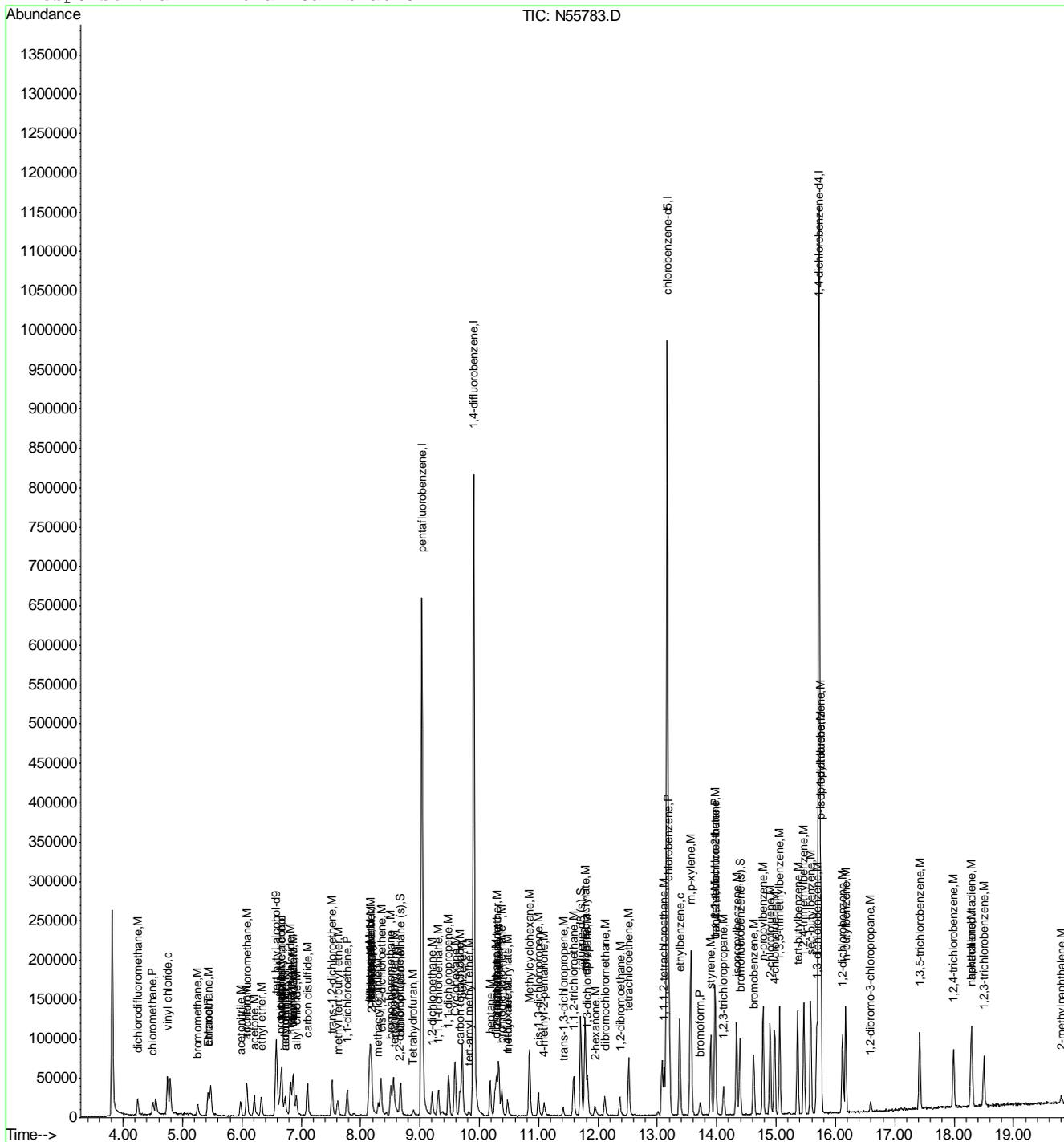
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55783.D
 Acq On : 7 Oct 2011 12:13 pm
 Sample : ic2093-5
 Misc : MS24058,MSN2093,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 7 13:43 2011

Vial: 20
 Operator: danat
 Inst : MAMS
 Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:41:32 2011
 Response via : Initial Calibration



6.6.4
 6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55784.D Vial: 21
 Acq On : 7 Oct 2011 12:41 pm Operator: danat
 Sample : ic2093-25 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:39:47 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:39:38 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 137742 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 490602 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 739490 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 339912 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 342555 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|---------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 123158 | 24.29 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 48.58%# |
| 60) toluene-d8 (s) | 11.71 | 98 | 466885 | 24.63 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 49.26%# |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 177369 | 24.80 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 49.60%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 62378 | 245.86 | ug/L | 94 |
| 3) Ethanol | 5.43 | 45 | 149952 | 2653.50 | ug/L | 97 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 90710 | 23.81 | ug/L | 98 |
| 6) chloromethane | 4.50 | 50 | 82774 | 23.79 | ug/L | 97 |
| 7) vinyl chloride | 4.75 | 62 | 98415 | 24.58 | ug/L | 99 |
| 8) bromomethane | 5.25 | 96 | 53047 | 19.08 | ug/L | 95 |
| 9) chloroethane | 5.43 | 64 | 66704 | 23.90 | ug/L | 99 |
| 10) ethyl ether | 6.32 | 59 | 75285 | 22.37 | ug/L | 96 |
| 11) acetonitrile | 5.98 | 41 | 49544 | 29.87 | ug/L | 96 |
| 12) trichlorofluoromethane | 6.08 | 101 | 159090 | 22.68 | ug/L | 91 |
| 13) freon-113 | 6.86 | 101 | 98524 | 23.10 | ug/L | 95 |
| 14) acrolein | 6.07 | 56 | 28785 | 118.71 | ug/L | 94 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 93035 | 23.65 | ug/L | 98 |
| 16) acetone | 6.21 | 43 | 56488 | 27.03 | ug/L | 99 |
| 17) Methyl Acetate | 6.85 | 43 | 96580 | 21.99 | ug/L | 99 |
| 18) methylene chloride | 6.82 | 84 | 102969 | 22.96 | ug/L | 97 |
| 19) methyl tert butyl ether | 7.61 | 73 | 130442 | 19.55 | ug/L | 99 |
| 20) acrylonitrile | 6.72 | 53 | 28362 | 102.58 | ug/L | 92 |
| 21) allyl chloride | 6.92 | 41 | 114134 | 21.12 | ug/L | 93 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 102720 | 23.26 | ug/L | 95 |
| 23) iodomethane | 6.73 | 142 | 109054 | 22.85 | ug/L | 98 |
| 24) carbon disulfide | 7.10 | 76 | 317883 | 23.24 | ug/L | 100 |
| 25) propionitrile | 6.65 | 54 | 2983 | 24.28 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 96580 | 21.99 | ug/L | 96 |
| 27) chloroprene | 8.14 | 53 | 135482 | 22.43 | ug/L | 99 |
| 28) di-isopropyl ether | 8.18 | 45 | 297511 | 23.13 | ug/L | 99 |
| 29) methacrylonitrile | 8.29 | 41 | 49170 | 21.43 | ug/L | 99 |
| 30) 2-butanone | 8.18 | 72 | 14052 | 23.60 | ug/L # | 82 |
| 31) Hexane | 8.16 | 41 | 123630 | 23.27 | ug/L | 90 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 166544 | 22.60 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 35998 | 16.47 | ug/L | 93 |
| 34) isobutyl alcohol | 8.18 | 43 | 251678 | 118.07 | ug/L | 100 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 32819 | 12.73 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 116889 | 23.03 | ug/L | 99 |
| 37) ethyl acetate | 8.18 | 43 | 247562 | 23.24 | ug/L | 97 |

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

N55784.D N100711W.M Fri Oct 07 13:41:23 2011 RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55784.D
 Acq On : 7 Oct 2011 12:41 pm
 Sample : ic2093-25
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:39:47 2011

Vial: 21
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:39:38 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 53057 | 23.60 | ug/L | 96 |
| 39) chloroform | 8.55 | 83 | 176896 | 22.98 | ug/L | 95 |
| 41) Tetrahydrofuran | 8.88 | 42 | 21802 | 21.96 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 144415 | 21.73 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 170362 | 23.82 | ug/L | 98 |
| 45) carbon tetrachloride | 9.67 | 117 | 117555 | 22.32 | ug/L | 98 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 137093 | 23.27 | ug/L | 97 |
| 47) benzene | 9.71 | 78 | 416070 | 23.58 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 123554 | 23.28 | ug/L | 96 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 30131 | 17.93 | ug/L | 93 |
| 50) heptane | 10.18 | 43 | 91175 | 23.48 | ug/L | 99 |
| 51) trichloroethene | 10.32 | 95 | 113609 | 23.60 | ug/L | 94 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 98406 | 22.87 | ug/L | 98 |
| 53) dibromomethane | 10.26 | 93 | 62957 | 22.96 | ug/L | 94 |
| 54) bromodichloromethane | 10.38 | 83 | 124820 | 22.58 | ug/L | 99 |
| 55) Methylcyclohexane | 10.84 | 83 | 187009 | 23.81 | ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 98406 | 22.87 | ug/L # | 100 |
| 57) methyl methacrylate | 10.47 | 69 | 49578 | 20.49 | ug/L | 96 |
| 58) 1,4-dioxane | 10.48 | 88 | 6419 | 125.75 | ug/L | 69 |
| 59) cis-1,3-dichloropropene | 11.00 | 75 | 128561 | 21.06 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 71666 | 21.87 | ug/L | 97 |
| 62) toluene | 11.78 | 92 | 274111 | 23.23 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 69169 | 18.09 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 77457 | 22.67 | ug/L | 94 |
| 65) ethyl methacrylate | 11.79 | 69 | 82760 | 19.08 | ug/L | 93 |
| 67) tetrachloroethene | 12.52 | 166 | 120631 | 23.21 | ug/L | 97 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 150545 | 22.52 | ug/L | 97 |
| 69) dibromochloromethane | 12.12 | 129 | 87814 | 21.06 | ug/L | 96 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 92924 | 21.96 | ug/L | 95 |
| 71) 2-hexanone | 11.94 | 43 | 55914 | 22.09 | ug/L | 96 |
| 72) chlorobenzene | 13.20 | 112 | 305718 | 23.30 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 95858 | 22.51 | ug/L | 98 |
| 74) ethylbenzene | 13.37 | 91 | 515885 | 23.45 | ug/L | 98 |
| 75) m,p-xylene | 13.56 | 106 | 415407 | 46.81 | ug/L | 100 |
| 76) o-xylene | 13.97 | 106 | 202180 | 23.19 | ug/L | 99 |
| 77) styrene | 13.90 | 104 | 314255 | 22.22 | ug/L | 100 |
| 78) bromoform | 13.72 | 173 | 50033 | 19.76 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 1463 | 10.84 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 450050 | 23.75 | ug/L | 96 |
| 83) bromobenzene | 14.62 | 156 | 130455 | 23.32 | ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 111695 | 22.66 | ug/L | 94 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 85318 | 22.19 | ug/L | 99 |
| 86) n-propylbenzene | 14.78 | 91 | 603867 | 23.80 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.90 | 91 | 352827 | 23.51 | ug/L | 98 |
| 88) 4-chlorotoluene | 14.97 | 91 | 359847 | 23.49 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 436000 | 23.27 | ug/L | 100 |
| 90) tert-butylbenzene | 15.36 | 91 | 242953 | 23.54 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 430897 | 23.23 | ug/L | 100 |
| 92) sec-butylbenzene | 15.58 | 105 | 589925 | 23.80 | ug/L | 99 |

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

N55784.D N100711W.M

Fri Oct 07 13:41:23 2011

RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55784.D Vial: 21
 Acq On : 7 Oct 2011 12:41 pm Operator: danat
 Sample : ic2093-25 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:39:47 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:39:38 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.69 | 146 | 246481 | 23.19 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.76 | 119 | 456014 | 23.44 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 253018 | 23.46 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 232029 | 23.00 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 431250 | 23.46 | ug/L | 96 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 16047 | 21.05 | ug/L | 93 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 140901 | 21.18 | ug/L | 96 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 167403 | 22.15 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 76500 | 22.63 | ug/L | 96 |
| 102) naphthalene | 18.29 | 128 | 313021 | 19.74 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 122196 | 20.37 | ug/L | 94 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 27059m | 6.73 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55784.D N100711W.M Fri Oct 07 13:41:23 2011 RP1

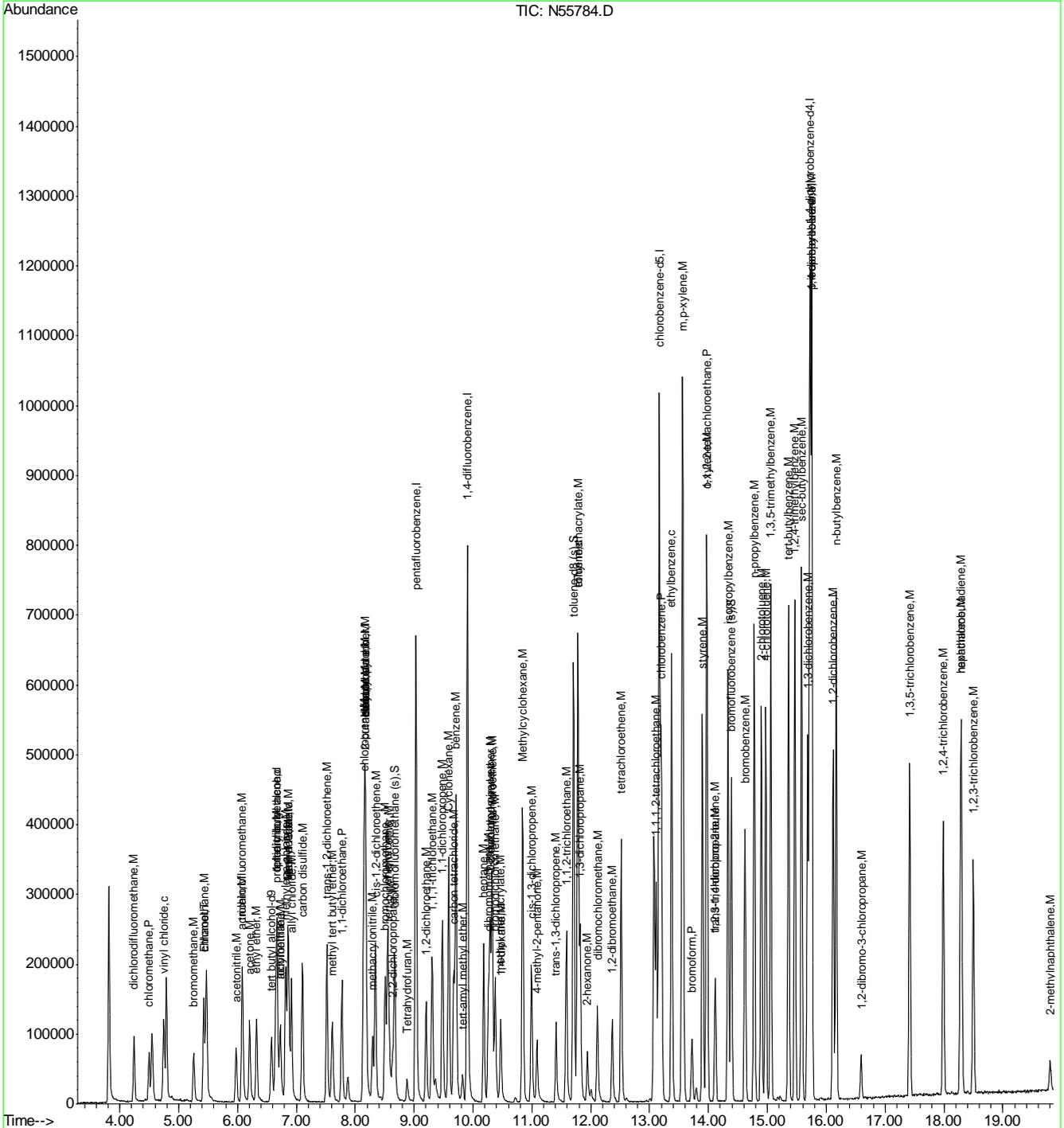
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55784.D
Acq On : 7 Oct 2011 12:41 pm
Sample : ic2093-25
Misc : MS24058,MSN2093,, ,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 7 13:41 2011

Vial: 21
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Oct 07 13:39:38 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55785.D Vial: 22
 Acq On : 7 Oct 2011 1:09 pm Operator: danat
 Sample : icc2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:37:28 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 153409 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 481951 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 746903 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 346163 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 357610 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 224179 | 48.69 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.38% |
| 60) toluene-d8 (s) | 11.71 | 98 | 861477 | 46.58 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 93.16% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 335999 | 47.06 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.12% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 141283 | 451.29 | ug/L | # 71 |
| 3) Ethanol | 5.43 | 45 | 314693 | 5713.77 | ug/L | 98 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 187117 | 50.82 | ug/L | 96 |
| 6) chloromethane | 4.50 | 50 | 170877 | 42.35 | ug/L | 98 |
| 7) vinyl chloride | 4.75 | 62 | 196634 | 52.47 | ug/L | 92 |
| 8) bromomethane | 5.25 | 96 | 136546 | 54.06 | ug/L | 94 |
| 9) chloroethane | 5.42 | 64 | 137109 | 57.75 | ug/L | 93 |
| 10) ethyl ether | 6.32 | 59 | 165276 | 54.92 | ug/L | 98 |
| 11) acetonitrile | 5.98 | 41 | 81465 | 44.71 | ug/L | 98 |
| 12) trichlorofluoromethane | 6.08 | 101 | 344481 | 54.75 | ug/L | 94 |
| 13) freon-113 | 6.87 | 101 | 209500 | 56.15 | ug/L | 95 |
| 14) acrolein | 6.07 | 56 | 59550 | 404.66 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 193238 | 49.76 | ug/L | 91 |
| 16) acetone | 6.21 | 43 | 102649 | 66.96 | ug/L | 98 |
| 17) Methyl Acetate | 6.85 | 43 | 215759 | 46.58 | ug/L | 96 |
| 18) methylene chloride | 6.82 | 84 | 220261 | 54.98 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 327661 | 34.18 | ug/L | 99 |
| 20) acrylonitrile | 6.72 | 53 | 67903 | 266.66 | ug/L | 91 |
| 21) allyl chloride | 6.92 | 41 | 265408 | 60.92 | ug/L | 94 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 216917 | 49.85 | ug/L | 96 |
| 23) iodomethane | 6.73 | 142 | 234462 | 64.15 | ug/L | 100 |
| 24) carbon disulfide | 7.10 | 76 | 671751 | 57.32 | ug/L | 100 |
| 25) propionitrile | 6.64 | 54 | 6035 | 86.85 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 215759 | 46.58 | ug/L | 96 |
| 27) chloroprene | 8.14 | 53 | 296673 | 61.27 | ug/L | 97 |
| 28) di-isopropyl ether | 8.17 | 45 | 631694 | 51.80 | ug/L | 96 |
| 29) methacrylonitrile | 8.29 | 41 | 112686 | 49.08 | ug/L | 97 |
| 30) 2-butanone | 8.18 | 72 | 29247 | 62.09 | ug/L | # 82 |
| 31) Hexane | 8.17 | 41 | 260962 | 52.35 | ug/L | 93 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 361966 | 55.72 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 107351 | 18.99 | ug/L | 95 |
| 34) isobutyl alcohol | 8.18 | 43 | 523483 | 250.08 | ug/L | 96 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 126636 | 39.78 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 249278 | 50.04 | ug/L | 95 |
| 37) ethyl acetate | 8.18 | 43 | 523131 | 50.06 | ug/L | 92 |

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

N55785.D N100711W.M Fri Oct 07 13:39:19 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55785.D
 Acq On : 7 Oct 2011 1:09 pm
 Sample : icc2093-50
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:37:28 2011

Vial: 22
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 110414 | 53.29 | ug/L | 99 |
| 39) chloroform | 8.55 | 83 | 378028 | 53.75 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.88 | 42 | 48760 | 41.40 | ug/L | 98 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 326395 | 56.29 | ug/L | 97 |
| 44) Cyclohexane | 9.59 | 56 | 361186 | 52.52 | ug/L | 99 |
| 45) carbon tetrachloride | 9.67 | 117 | 266018 | 51.54 | ug/L | 100 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 297544 | 52.21 | ug/L | 98 |
| 47) benzene | 9.71 | 78 | 891214 | 50.94 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 268011 | 49.89 | ug/L | 96 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 84878 | 14.52 | ug/L | 98 |
| 50) heptane | 10.18 | 43 | 196136 | 46.94 | ug/L | 100 |
| 51) trichloroethene | 10.33 | 95 | 243123 | 50.32 | ug/L | 100 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 217303 | 52.36 | ug/L | 97 |
| 53) dibromomethane | 10.26 | 93 | 138467 | 51.21 | ug/L | 100 |
| 54) bromodichloromethane | 10.38 | 83 | 279125 | 50.78 | ug/L | 99 |
| 55) Methylcyclohexane | 10.84 | 83 | 396706 | 52.48 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 217303 | 52.31 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 122211 | 54.53 | ug/L | 94 |
| 58) 1,4-dioxane | 10.47 | 88 | 12889 | 230.56 | ug/L | 81 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 308261 | 56.25 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 165510 | 43.13 | ug/L | 99 |
| 62) toluene | 11.78 | 92 | 595984 | 51.67 | ug/L | 95 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 193124 | 57.21 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 172578 | 50.10 | ug/L | 98 |
| 65) ethyl methacrylate | 11.79 | 69 | 219056 | 73.35 | ug/L | 95 |
| 67) tetrachloroethene | 12.52 | 166 | 264627 | 50.83 | ug/L | 96 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 340336 | 51.44 | ug/L | 96 |
| 69) dibromochloromethane | 12.11 | 129 | 212312 | 51.97 | ug/L | 98 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 215488 | 49.36 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 128875 | 49.47 | ug/L | 96 |
| 72) chlorobenzene | 13.20 | 112 | 668118 | 51.14 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 216812 | 49.96 | ug/L | 98 |
| 74) ethylbenzene | 13.37 | 91 | 1120041 | 50.08 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 903841 | 103.35 | ug/L | 99 |
| 76) o-xylene | 13.97 | 106 | 443861 | 51.99 | ug/L | 100 |
| 77) styrene | 13.90 | 104 | 720117 | 51.38 | ug/L | 98 |
| 78) bromoform | 13.72 | 173 | 128923 | 51.10 | ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 6870 | 18.54 | ug/L # | 60 |
| 81) isopropylbenzene | 14.33 | 105 | 989315 | 50.42 | ug/L | 99 |
| 83) bromobenzene | 14.62 | 156 | 291958 | 49.45 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 257332 | 50.12 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 200704 | 46.51 | ug/L | 98 |
| 86) n-propylbenzene | 14.78 | 91 | 1324434 | 51.01 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.90 | 91 | 783205 | 49.57 | ug/L | 98 |
| 88) 4-chlorotoluene | 14.97 | 91 | 799762 | 50.08 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 977932 | 51.13 | ug/L | 99 |
| 90) tert-butylbenzene | 15.36 | 91 | 538823 | 49.76 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 968122 | 49.69 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 1293703 | 51.04 | ug/L | 100 |

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

N55785.D N100711W.M

Fri Oct 07 13:39:19 2011

RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55785.D Vial: 22
 Acq On : 7 Oct 2011 1:09 pm Operator: danat
 Sample : icc2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 13:37:28 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 11:09:28 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 554882 | 49.19 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.76 | 119 | 1015538 | 51.02 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 562991 | 50.40 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 526681 | 49.01 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 959633 | 49.40 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 39798 | 38.80 | ug/L | 92 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 347203 | 47.49 | ug/L | 97 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 394416 | 46.84 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.30 | 225 | 176421 | 44.90 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 827865 | 51.13 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 313131 | 48.77 | ug/L | 99 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 104923m | 21.31 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55785.D N100711W.M Fri Oct 07 13:39:19 2011 RP1

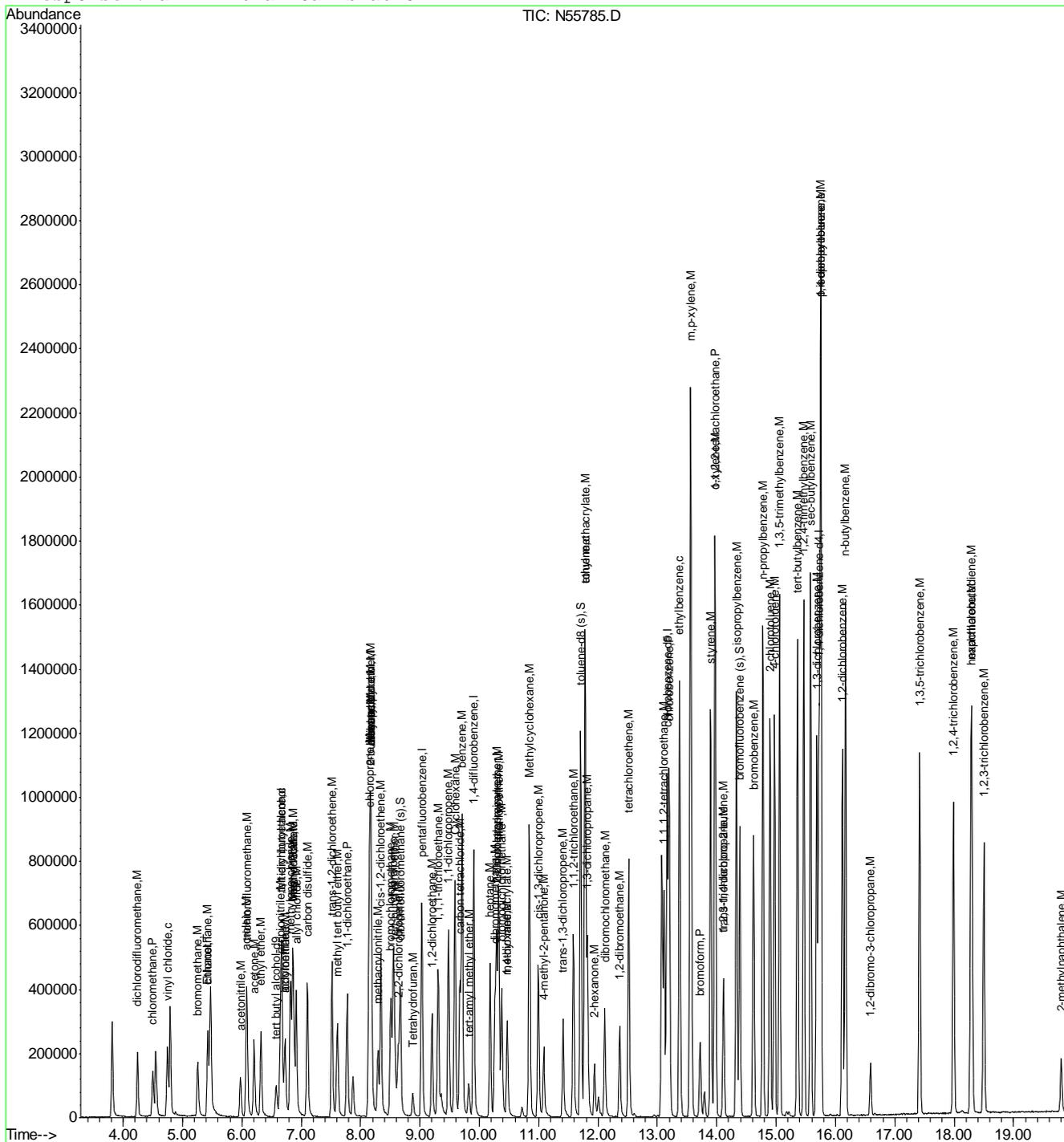
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55785.D
Acq On : 7 Oct 2011 1:09 pm
Sample : icc2093-50
Misc : MS24058,MSN2093,, ,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 7 13:39 2011

Vial: 22
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Oct 07 11:09:28 2011
Response via : Initial Calibration



9 9:9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55786.D Vial: 23
 Acq On : 7 Oct 2011 1:37 pm Operator: danat
 Sample : ic2093-100 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:03:48 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:43:56 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 170558 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 500347 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 768749 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 351433 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 374339 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|----------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 451579 | 88.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 176.08%# |
| 60) toluene-d8 (s) | 11.71 | 98 | 1714410 | 86.28 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 172.56%# |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 679991 | 84.19 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 168.38%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 341814 | 1070.23 | ug/L | 89 |
| 3) Ethanol | 5.42 | 45 | 673023 | 8341.62 | ug/L | 100 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 380777 | 93.44 | ug/L | 98 |
| 6) chloromethane | 4.50 | 50 | 359819 | 84.39 | ug/L | 98 |
| 7) vinyl chloride | 4.75 | 62 | 402854 | 75.39 | ug/L | 95 |
| 8) bromomethane | 5.25 | 96 | 324061 | 123.82 | ug/L | 99 |
| 9) chloroethane | 5.43 | 64 | 272356 | 92.47 | ug/L | 96 |
| 10) ethyl ether | 6.32 | 59 | 343015 | 103.01 | ug/L | 95 |
| 11) acetonitrile | 5.98 | 41 | 113167 | 46.95 | ug/L | 97 |
| 12) trichlorofluoromethane | 6.08 | 101 | 690387 | 95.96 | ug/L | 94 |
| 13) freon-113 | 6.87 | 101 | 424727 | 97.75 | ug/L | 98 |
| 14) acrolein | 6.07 | 56 | 122057 | 423.04 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 386318 | 79.69 | ug/L | 99 |
| 16) acetone | 6.20 | 43 | 178089 | 64.72 | ug/L | 94 |
| 17) Methyl Acetate | 6.85 | 43 | 443755 | 103.23 | ug/L | 100 |
| 18) methylene chloride | 6.82 | 84 | 448081 | 89.16 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 817923 | 155.19 | ug/L | 99 |
| 20) acrylonitrile | 6.72 | 53 | 153194 | 614.05 | ug/L | 99 |
| 21) allyl chloride | 6.92 | 41 | 532077 | 133.09 | ug/L | 99 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 447187 | 93.27 | ug/L | 97 |
| 23) iodomethane | 6.73 | 142 | 470378 | 105.88 | ug/L | 95 |
| 24) carbon disulfide | 7.10 | 76 | 1362830 | 95.02 | ug/L | 99 |
| 25) propionitrile | 6.65 | 54 | 11049 | 100.49 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 443755 | 103.23 | ug/L | 93 |
| 27) chloroprene | 8.14 | 53 | 595719 | 103.79 | ug/L | 98 |
| 28) di-isopropyl ether | 8.18 | 45 | 1281225 | 95.88 | ug/L | 98 |
| 29) methacrylonitrile | 8.29 | 41 | 246472 | 110.52 | ug/L | 99 |
| 30) 2-butanone | 8.18 | 72 | 58349 | 110.30 | ug/L # | 65 |
| 31) Hexane | 8.16 | 41 | 518531 | 90.90 | ug/L | 99 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 741203 | 106.40 | ug/L | 99 |
| 33) tert-butyl ether | 8.57 | 59 | 340782 | 275.31 | ug/L | 97 |
| 34) isobutyl alcohol | 8.17 | 43 | 1036854 | 455.76 | ug/L | 96 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 373243 | 264.91 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 503409 | 91.28 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 1038163 | 92.90 | ug/L | 97 |

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

N55786.D N100711W.M Fri Oct 07 14:05:22 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55786.D Vial: 23
 Acq On : 7 Oct 2011 1:37 pm Operator: danat
 Sample : ic2093-100 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:03:48 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:43:56 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 221778 | 92.40 | ug/L | 97 |
| 39) chloroform | 8.55 | 83 | 772253 | 96.98 | ug/L | 100 |
| 41) Tetrahydrofuran | 8.88 | 42 | 114081 | 110.54 | ug/L | 93 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 679472 | 134.33 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 725983 | 96.07 | ug/L | 99 |
| 45) carbon tetrachloride | 9.67 | 117 | 578611 | 123.22 | ug/L | 96 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 591906 | 98.44 | ug/L | 96 |
| 47) benzene | 9.71 | 78 | 1825040 | 93.92 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 555020 | 97.62 | ug/L | 100 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 266397 | 228.66 | ug/L | 97 |
| 50) heptane | 10.18 | 43 | 398830 | 96.90 | ug/L | 99 |
| 51) trichloroethene | 10.33 | 95 | 493682 | 94.43 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 439829 | 100.13 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 288589 | 103.73 | ug/L | 97 |
| 54) bromodichloromethane | 10.38 | 83 | 583036 | 109.82 | ug/L | 100 |
| 55) Methylcyclohexane | 10.84 | 83 | 816746 | 98.93 | ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 439829 | 100.13 | ug/L # | 98 |
| 57) methyl methacrylate | 10.47 | 69 | 281483 | 139.74 | ug/L | 95 |
| 58) 1,4-dioxane | 10.47 | 88 | 29415 | 561.53 | ug/L | 94 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 680074 | 167.05 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 373857 | 115.44 | ug/L | 100 |
| 62) toluene | 11.78 | 92 | 1203280 | 96.85 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 480737 | 283.22 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.58 | 83 | 359407 | 102.63 | ug/L | 97 |
| 65) ethyl methacrylate | 11.79 | 69 | 508306 | 186.98 | ug/L | 99 |
| 67) tetrachloroethene | 12.52 | 166 | 532717 | 96.55 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 699453 | 97.90 | ug/L | 95 |
| 69) dibromochloromethane | 12.11 | 129 | 469130 | 123.43 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 458186 | 106.39 | ug/L | 100 |
| 71) 2-hexanone | 11.94 | 43 | 268832 | 113.99 | ug/L | 100 |
| 72) chlorobenzene | 13.20 | 112 | 1370748 | 96.51 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 462629 | 111.83 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 2296306 | 98.21 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 1829342 | 191.32 | ug/L | 99 |
| 76) o-xylene | 13.97 | 106 | 897825 | 98.73 | ug/L | 98 |
| 77) styrene | 13.90 | 104 | 1507996 | 112.94 | ug/L | 100 |
| 78) bromoform | 13.72 | 173 | 308101 | 146.39 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 27722 | 100.18 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 2051360 | 98.25 | ug/L | 98 |
| 83) bromobenzene | 14.62 | 156 | 614652 | 99.12 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 547990 | 100.76 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 454378 | 106.02 | ug/L | 99 |
| 86) n-propylbenzene | 14.78 | 91 | 2742808 | 98.57 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.90 | 91 | 1627954 | 94.43 | ug/L | 100 |
| 88) 4-chlorotoluene | 14.97 | 91 | 1649942 | 97.04 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 2023199 | 100.51 | ug/L | 99 |
| 90) tert-butylbenzene | 15.36 | 91 | 1105764 | 97.70 | ug/L | 94 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 2023983 | 95.92 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 2672580 | 100.51 | ug/L | 99 |

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

N55786.D N100711W.M Fri Oct 07 14:05:22 2011 RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55786.D Vial: 23
 Acq On : 7 Oct 2011 1:37 pm Operator: danat
 Sample : ic2093-100 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:03:48 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 13:43:56 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 1167630 | 97.31 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.75 | 119 | 2101642 | 98.29 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 1171445 | 94.11 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 1124375 | 99.88 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 2048519 | 104.26 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 95481 | 119.76 | ug/L | 95 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 773281 | 110.16 | ug/L | 99 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 851062 | 101.05 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.30 | 225 | 382548 | 101.89 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 1936504 | 131.38 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 706043 | 118.30 | ug/L | 99 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 319536m | 95.45 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55786.D N100711W.M Fri Oct 07 14:05:22 2011 RP1

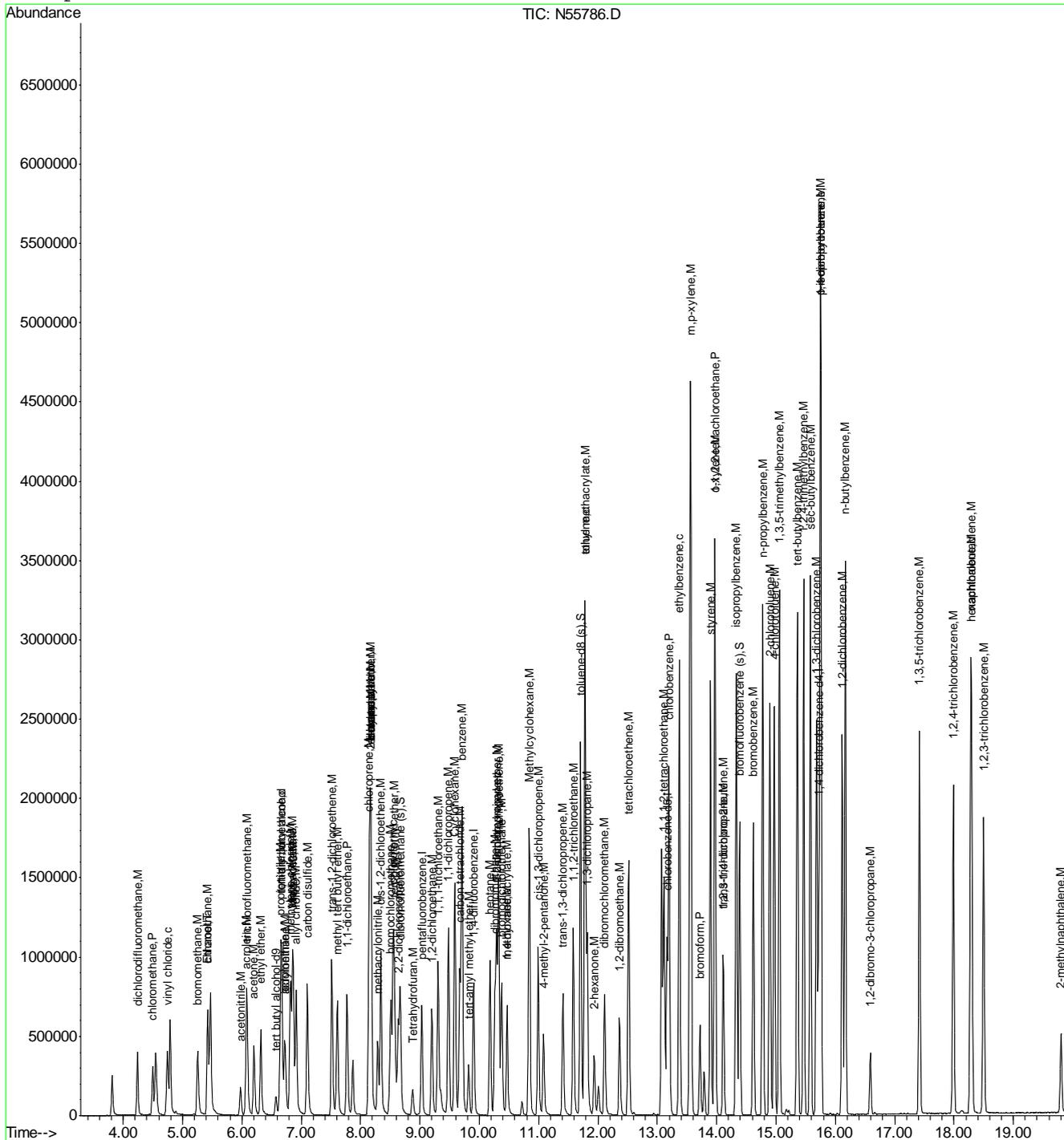
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55786.D
Acq On : 7 Oct 2011 1:37 pm
Sample : ic2093-100
Misc : MS24058,MSN2093,,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 7 14:05 2011

Vial: 23
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Oct 07 13:43:56 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55787.D Vial: 24
 Acq On : 7 Oct 2011 2:05 pm Operator: danat
 Sample : ic2093-200 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:29:51 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:08:49 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.57 | 65 | 180413 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 513927 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 786567 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 363268 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 383958 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|----------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 921526 | 175.67 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 351.34%# |
| 60) toluene-d8 (s) | 11.71 | 98 | 3488534 | 173.02 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 346.04%# |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 1409625 | 172.37 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 344.74%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|-----------|--------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 719518 | 2105.14 | ug/L | 85 |
| 3) Ethanol | 5.42 | 45 | 1266194 | 15258.01 | ug/L | 100 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 755619 | 182.52 | ug/L | 98 |
| 6) chloromethane | 4.50 | 50 | 743314 | 202.41 | ug/L | 98 |
| 7) vinyl chloride | 4.74 | 62 | 750557 | 182.19 | ug/L | 95 |
| 8) bromomethane | 5.25 | 96 | 657566 | 200.90 | ug/L | 99 |
| 9) chloroethane | 5.42 | 64 | 517494 | 173.24 | ug/L | 93 |
| 10) ethyl ether | 6.32 | 59 | 670647 | 195.11 | ug/L | 97 |
| 11) acetonitrile | 5.98 | 41 | 155773 | Below Cal | | 96 |
| 12) trichlorofluoromethane | 6.09 | 101 | 1351168 | 184.09 | ug/L | 96 |
| 13) freon-113 | 6.87 | 101 | 829507 | 186.57 | ug/L | 98 |
| 14) acrolein | 6.07 | 56 | 237327 | 912.95 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 751879 | 189.44 | ug/L | 96 |
| 16) acetone | 6.20 | 43 | 288557 | 155.56 | ug/L | 98 |
| 17) Methyl Acetate | 6.85 | 43 | 900664 | 202.89 | ug/L | 99 |
| 18) methylene chloride | 6.82 | 84 | 879726 | 182.91 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 1779589 | 168.23 | ug/L | 99 |
| 20) acrylonitrile | 6.72 | 53 | 308524 | 1159.89 | ug/L | 93 |
| 21) allyl chloride | 6.92 | 41 | 937100 | 169.79 | ug/L | 99 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 888808 | 182.54 | ug/L | 93 |
| 23) iodomethane | 6.73 | 142 | 837498m | 181.76 | ug/L | |
| 24) carbon disulfide | 7.10 | 76 | 2699225 | 184.76 | ug/L | 100 |
| 25) propionitrile | 6.64 | 54 | 19906 | 172.57 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 900664 | 202.89 | ug/L | 95 |
| 27) chloroprene | 8.14 | 53 | 1186362 | 199.96 | ug/L | 98 |
| 28) di-isopropyl ether | 8.18 | 45 | 2421050 | 177.61 | ug/L | 99 |
| 29) methacrylonitrile | 8.29 | 41 | 494563 | 212.19 | ug/L | 93 |
| 30) 2-butanone | 8.18 | 72 | 110259 | 198.83 | ug/L # | 63 |
| 31) Hexane | 8.16 | 41 | 981090 | 170.03 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 1443088 | 199.55 | ug/L | 98 |
| 33) tert-butyl ether | 8.57 | 59 | 838423 | 164.27 | ug/L | 98 |
| 34) isobutyl alcohol | 8.17 | 43 | 1948575 | 846.37 | ug/L | 95 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 887975 | 164.84 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 988475 | 177.07 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 1948575 | 171.80 | ug/L | 98 |

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

N55787.D N100711W.M Fri Oct 07 14:32:36 2011 RP1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55787.D Vial: 24
 Acq On : 7 Oct 2011 2:05 pm Operator: danat
 Sample : ic2093-200 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:29:51 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:08:49 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 429379 | 176.40 | ug/L | 95 |
| 39) chloroform | 8.55 | 83 | 1516115 | 186.31 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.88 | 42 | 229860 | 213.10 | ug/L | 96 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 1356930 | 193.56 | ug/L | 98 |
| 44) Cyclohexane | 9.59 | 56 | 1407092 | 183.18 | ug/L | 98 |
| 45) carbon tetrachloride | 9.67 | 117 | 1185648 | 237.58 | ug/L | 95 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 1169944 | 190.67 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 3569339 | 181.09 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 1096328 | 189.21 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 689238 | 170.02 | ug/L | 98 |
| 50) heptane | 10.18 | 43 | 785974 | 187.61 | ug/L | 99 |
| 51) trichloroethene | 10.33 | 95 | 966701 | 182.41 | ug/L | 99 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 854395 | 190.06 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 571321 | 199.46 | ug/L | 97 |
| 54) bromodichloromethane | 10.38 | 83 | 1177367 | 213.26 | ug/L | 97 |
| 55) Methylcyclohexane | 10.84 | 83 | 1600667 | 189.82 | ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 854395 | 190.06 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 586657 | 266.96 | ug/L | 97 |
| 58) 1,4-dioxane | 10.47 | 88 | 59449 | 1082.52 | ug/L | 92 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 1388417 | 200.93 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 750327 | 220.76 | ug/L | 98 |
| 62) toluene | 11.78 | 92 | 2315610 | 183.12 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 1052424 | 167.90 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 708234 | 196.80 | ug/L | 98 |
| 65) ethyl methacrylate | 11.79 | 69 | 1061424 | 205.70 | ug/L | 97 |
| 67) tetrachloroethene | 12.52 | 166 | 1064426 | 187.72 | ug/L | 100 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 1384451 | 188.13 | ug/L | 99 |
| 69) dibromochloromethane | 12.11 | 129 | 972625 | 238.25 | ug/L | 97 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 925604 | 205.72 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 529849 | 212.40 | ug/L | 99 |
| 72) chlorobenzene | 13.20 | 112 | 2718740 | 186.26 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 943239 | 216.31 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 4548369 | 188.76 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 3520020 | 358.73 | ug/L | 96 |
| 76) o-xylene | 13.98 | 106 | 1742272 | 185.74 | ug/L | 98 |
| 77) styrene | 13.90 | 104 | 3006183 | 213.22 | ug/L | 99 |
| 78) bromoform | 13.72 | 173 | 678009 | 289.28 | ug/L | 96 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 83398 | 168.13 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 4086735 | 191.39 | ug/L | 99 |
| 83) bromobenzene | 14.62 | 156 | 1232350 | 194.03 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 1095324 | 196.11 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 973422 | 219.23 | ug/L | 97 |
| 86) n-propylbenzene | 14.78 | 91 | 5430064 | 190.71 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.90 | 91 | 3236605 | 184.75 | ug/L | 100 |
| 88) 4-chlorotoluene | 14.97 | 91 | 3310295 | 190.75 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 4019232 | 194.51 | ug/L | 98 |
| 90) tert-butylbenzene | 15.36 | 91 | 2188144 | 189.22 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 4015411 | 186.80 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 5279895 | 193.42 | ug/L | 100 |

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

N55787.D N100711W.M Fri Oct 07 14:32:36 2011 RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55787.D Vial: 24
 Acq On : 7 Oct 2011 2:05 pm Operator: danat
 Sample : ic2093-200 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:29:51 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:08:49 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 2329263 | 190.10 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.75 | 119 | 4083693 | 186.74 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 2294307 | 181.48 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 2258867 | 195.67 | ug/L | 98 |
| 97) n-butylbenzene | 16.17 | 91 | 4097206 | 201.88 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 202498 | 239.74 | ug/L | 93 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 1567153 | 214.03 | ug/L | 95 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 1726222 | 199.47 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 773887 | 200.33 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 4028370 | 253.21 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 1460220 | 231.47 | ug/L | 99 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 761783m | 80.85 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55787.D N100711W.M Fri Oct 07 14:32:36 2011 RP1

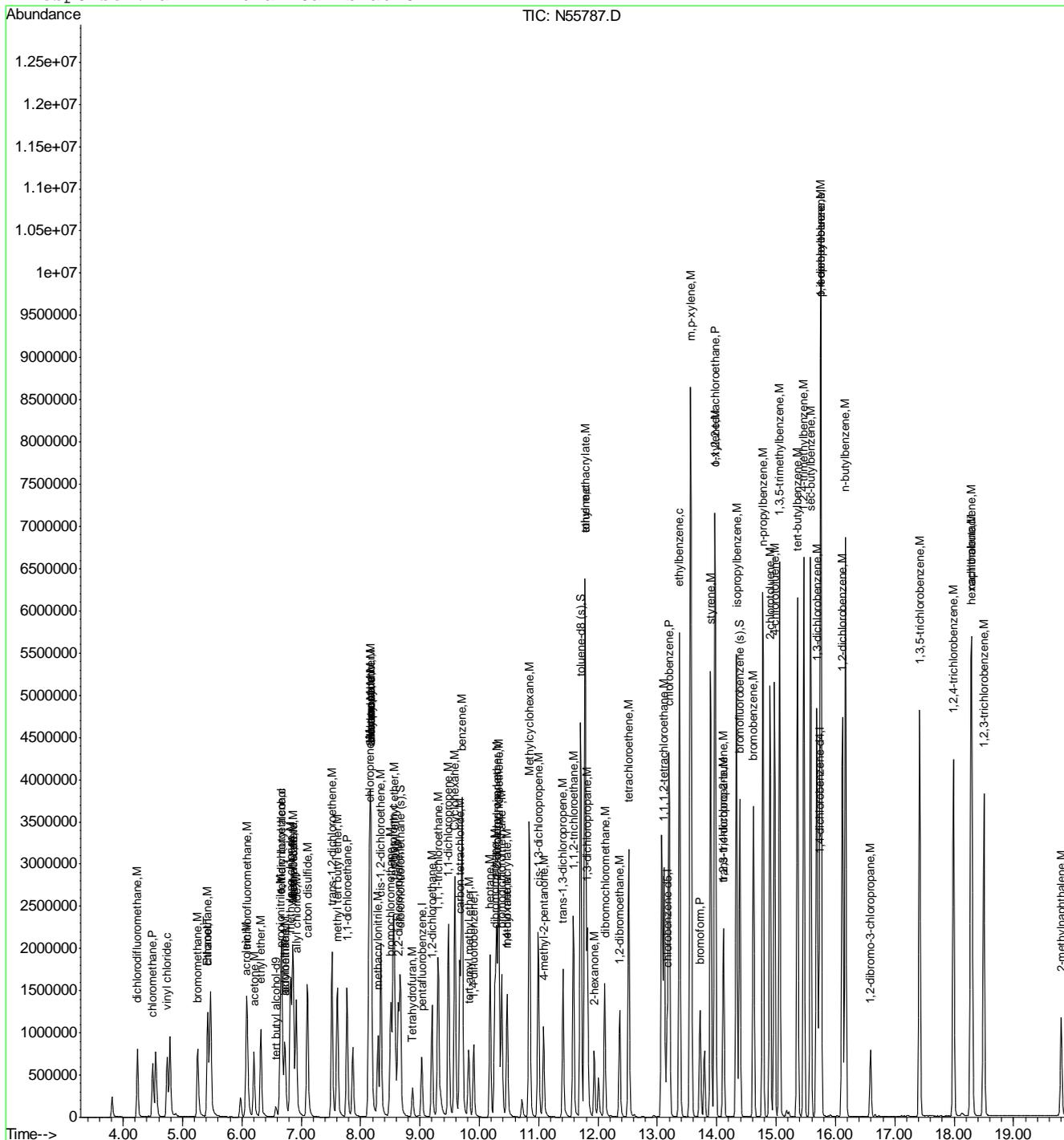
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55787.D
Acq On : 7 Oct 2011 2:05 pm
Sample : ic2093-200
Misc : MS24058,MSN2093,, ,5,1
MS Integration Params: RTEINT.P
Quant Time: Oct 7 14:32 2011

Vial: 24
Operator: danat
Inst : MAMSN
Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Oct 07 14:31:13 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55788.D Vial: 25
 Acq On : 7 Oct 2011 2:34 pm Operator: danat
 Sample : ic2093-400 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:57:29 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:34:06 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 204729 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 533771 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 818486 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 381821 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 400947 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|----------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 1865765 | 343.83 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 687.66%# |
| 60) toluene-d8 (s) | 11.71 | 98 | 7021814 | 336.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 673.72%# |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 2816666 | 332.18 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 664.36%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|-----------|--------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 1588244m | 4064.39 | ug/L | |
| 3) Ethanol | 5.43 | 45 | 2408854 | 32938.65 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 1564219 | 368.39 | ug/L | 100 |
| 6) chloromethane | 4.49 | 50 | 1635766 | 424.64 | ug/L | 98 |
| 7) vinyl chloride | 4.73 | 62 | 1382770 | 350.14 | ug/L | 94 |
| 8) bromomethane | 5.25 | 96 | 1265818 | 368.69 | ug/L | 97 |
| 9) chloroethane | 5.42 | 64 | 966822 | 317.69 | ug/L | 94 |
| 10) ethyl ether | 6.32 | 59 | 1396174 | 392.45 | ug/L | 95 |
| 12) trichlorofluoromethane | 6.08 | 101 | 2827237 | 375.13 | ug/L | 95 |
| 13) freon-113 | 6.86 | 101 | 1717055 | 375.43 | ug/L | 98 |
| 14) acrolein | 6.06 | 56 | 489041 | 1843.40 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 1546712 | 393.65 | ug/L | 97 |
| 16) acetone | 6.20 | 43 | 501529 | Below Cal | | 100 |
| 17) Methyl Acetate | 6.84 | 43 | 1820729 | 394.10 | ug/L | 100 |
| 18) methylene chloride | 6.82 | 84 | 1886828 | 383.18 | ug/L | 98 |
| 19) methyl tert butyl ether | 7.61 | 73 | 4233254 | 390.47 | ug/L | 99 |
| 20) acrylonitrile | 6.71 | 53 | 660760 | 2338.34 | ug/L | 94 |
| 21) allyl chloride | 6.92 | 41 | 1668061 | 332.29 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 1858582 | 372.15 | ug/L | 93 |
| 23) iodomethane | 6.73 | 142 | 1426864 | 302.09 | ug/L | 98 |
| 24) carbon disulfide | 7.10 | 76 | 5696347 | 379.55 | ug/L | 100 |
| 25) propionitrile | 6.64 | 54 | 35283 | 337.89 | ug/L | 100 |
| 26) vinyl acetate | 6.84 | 43 | 1820729 | 394.10 | ug/L | 87 |
| 27) chloroprene | 8.14 | 53 | 2432544 | 394.78 | ug/L | 97 |
| 28) di-isopropyl ether | 8.18 | 45 | 4670002 | 335.23 | ug/L | 97 |
| 29) methacrylonitrile | 8.29 | 41 | 1049490 | 429.79 | ug/L | 98 |
| 30) 2-butanone | 8.18 | 72 | 214416 | 372.64 | ug/L # | 75 |
| 31) Hexane | 8.16 | 41 | 1900358 | 324.03 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 3025462 | 402.93 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 2428937 | 392.84 | ug/L | 98 |
| 34) isobutyl alcohol | 8.17 | 43 | 3723811 | 1592.26 | ug/L | 95 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 2127752 | 367.44 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 2075832 | 363.98 | ug/L | 97 |
| 37) ethyl acetate | 8.17 | 43 | 3722239 | 322.47 | ug/L | 98 |
| 38) bromochloromethane | 8.51 | 128 | 864786 | 347.93 | ug/L | 94 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55788.D
 Acq On : 7 Oct 2011 2:34 pm
 Sample : ic2093-400
 Misc : MS24058,MSN2093,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:57:29 2011

Vial: 25
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:34:06 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 39) chloroform | 8.55 | 83 | 3107831 | 371.34 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.88 | 42 | 501013 | 443.06 | ug/L | 94 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 2886166 | 406.10 | ug/L | 99 |
| 44) Cyclohexane | 9.59 | 56 | 2894302 | 366.49 | ug/L | 97 |
| 45) carbon tetrachloride | 9.67 | 117 | 2571883 | 482.31 | ug/L | 95 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 2424479 | 382.26 | ug/L | 98 |
| 47) benzene | 9.71 | 78 | 7341435 | 362.22 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 2307518 | 385.69 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 2151853 | 399.38 | ug/L | 98 |
| 50) heptane | 10.18 | 43 | 1607429 | 372.02 | ug/L | 96 |
| 51) trichloroethene | 10.33 | 95 | 1986910 | 364.89 | ug/L | 95 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 1730507 | 372.58 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 1170468 | 392.85 | ug/L | 95 |
| 54) bromodichloromethane | 10.38 | 83 | 2536084 | 437.31 | ug/L | 99 |
| 55) Methylcyclohexane | 10.84 | 83 | 3285621 | 377.19 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 1730507 | 372.58 | ug/L # | 99 |
| 57) methyl methacrylate | 10.47 | 69 | 1276519 | 417.34 | ug/L | 95 |
| 58) 1,4-dioxane | 10.47 | 88 | 122915 | 2121.73 | ug/L | 95 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 2973915 | 410.01 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.08 | 43 | 1593769 | 444.04 | ug/L | 98 |
| 62) toluene | 11.78 | 92 | 4572264 | 351.71 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 2428636 | 375.95 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 1491185 | 399.12 | ug/L | 99 |
| 65) ethyl methacrylate | 11.79 | 69 | 2183363 | 393.85 | ug/L | 94 |
| 67) tetrachloroethene | 12.52 | 166 | 2252671 | 381.32 | ug/L | 100 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 2894163 | 377.37 | ug/L | 99 |
| 69) dibromochloromethane | 12.11 | 129 | 2149914 | 487.73 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.37 | 107 | 1982082 | 417.42 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 1133978 | 428.69 | ug/L | 97 |
| 72) chlorobenzene | 13.20 | 112 | 5675151 | 373.58 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 2023970 | 436.50 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 9295671 | 370.00 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 6843427 | 673.46 | ug/L | 97 |
| 76) o-xylene | 13.98 | 106 | 3466081 | 355.17 | ug/L | 95 |
| 77) styrene | 13.90 | 104 | 6169617 | 412.43 | ug/L | 100 |
| 78) bromoform | 13.72 | 173 | 1541623 | 434.21 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 250273 | 358.29 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 8375732 | 377.95 | ug/L | 97 |
| 83) bromobenzene | 14.62 | 156 | 2610266 | 395.26 | ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 2151491 | 369.91 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.12 | 75 | 2168993 | 461.46 | ug/L | 97 |
| 86) n-propylbenzene | 14.78 | 91 | 10896011 | 368.92 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.90 | 91 | 6634720 | 366.66 | ug/L | 100 |
| 88) 4-chlorotoluene | 14.97 | 91 | 6759796 | 375.50 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 8140325 | 378.74 | ug/L | 99 |
| 90) tert-butylbenzene | 15.36 | 91 | 4443845 | 370.85 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 8208788 | 369.17 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 10651381 | 375.43 | ug/L | 98 |
| 93) 1,3-dichlorobenzene | 15.69 | 146 | 4925678 | 387.71 | ug/L | 99 |

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

N55788.D N100711W.M

Fri Oct 07 14:58:57 2011

RP1

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55788.D Vial: 25
 Acq On : 7 Oct 2011 2:34 pm Operator: danat
 Sample : ic2093-400 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 07 14:57:29 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:34:06 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 94) p-isopropyltoluene | 15.76 | 119 | 7834005 | 346.34 | ug/L | 100 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 4435826 | 340.51 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 4799826 | 399.40 | ug/L | 98 |
| 97) n-butylbenzene | 16.17 | 91 | 8336876 | 392.84 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 448312 | 494.24 | ug/L | 90 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 3415030 | 442.20 | ug/L | 99 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 3700002 | 409.59 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.30 | 225 | 1654439 | 410.02 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 8501295 | 403.14 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 3185048 | 472.86 | ug/L | 98 |
| 104) 2-methylnaphthalene | 19.80 | 142 | 1809025m | 175.31 | ug/L | |

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55788.D N100711W.M Fri Oct 07 14:58:57 2011 RP1

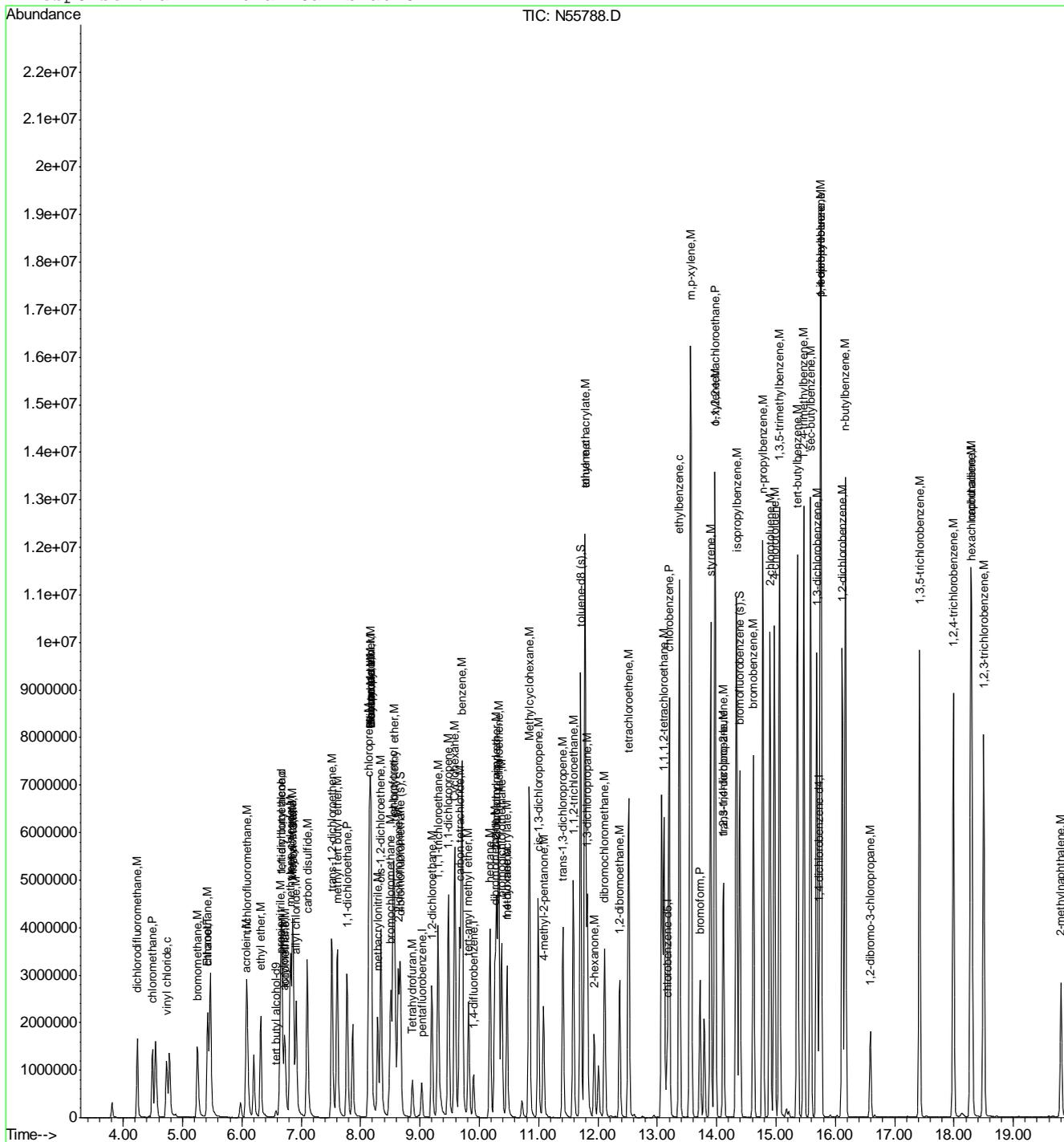
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55788.D
 Acq On : 7 Oct 2011 2:34 pm
 Sample : ic2093-400
 Misc : MS24058,MSN2093,,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 7 14:58 2011

Vial: 25
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Fri Oct 07 14:34:06 2011
 Response via : Initial Calibration



6:9:9
 9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55790.D Vial: 27
 Acq On : 7 Oct 2011 3:30 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 08 14:46:22 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 198317 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 523780 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 800625 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 371187 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 374988 | 50.00 | ug/L | 0.00 |

| System Monitoring Compounds | | | | | | |
|------------------------------|--------|----------------|------------|--------|------|------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 241342 | 45.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 91.24% | | |
| 60) toluene-d8 (s) | 11.71 | 98 | 946630 | 46.86 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 93.72% | | |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 360773 | 46.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 92.00% | | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) tertiary butyl alcohol | 6.67 | 59 | 184370 | 486.09 | ug/L | 90 |
| 3) Ethanol | 5.42 | 45 | 369464 | 4565.86 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 201902 | 48.94 | ug/L | 97 |
| 6) chloromethane | 4.50 | 50 | 181235 | 47.72 | ug/L | 96 |
| 7) vinyl chloride | 4.75 | 62 | 215068 | 52.99 | ug/L | 99 |
| 8) bromomethane | 5.25 | 96 | 153008 | 48.29 | ug/L | 99 |
| 9) chloroethane | 5.43 | 64 | 146840 | 50.47 | ug/L | 98 |
| 10) ethyl ether | 6.32 | 59 | 180457 | 51.81 | ug/L | 96 |
| 11) acetonitrile | 5.98 | 41 | 77587 | 41.10 | ug/L | 98 |
| 12) trichlorofluoromethane | 6.08 | 101 | 368341 | 50.20 | ug/L | 94 |
| 13) freon-113 | 6.87 | 101 | 225947 | 50.74 | ug/L | 98 |
| 14) acrolein | 6.07 | 56 | 66615 | 259.27 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 210622 | 53.08 | ug/L | 98 |
| 16) acetone | 6.21 | 43 | 104675 | 54.09 | ug/L | 99 |
| 17) Methyl Acetate | 6.85 | 43 | 248428 | 54.90 | ug/L | 99 |
| 18) methylene chloride | 6.82 | 84 | 235378 | 49.01 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.61 | 73 | 411541 | 52.80 | ug/L | 99 |
| 20) acrylonitrile | 6.72 | 53 | 80998 | 286.06 | ug/L | 96 |
| 21) allyl chloride | 6.92 | 41 | 283634 | 55.72 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 242615 | 49.94 | ug/L | 92 |
| 23) iodomethane | 6.73 | 142 | 314914 | 70.09 | ug/L | 97 |
| 24) carbon disulfide | 7.10 | 76 | 744685 | 50.89 | ug/L | 100 |
| 25) propionitrile | 6.65 | 54 | 5540 | 45.75 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 248428 | 54.90 | ug/L | 94 |
| 27) chloroprene | 8.14 | 53 | 325002 | 53.84 | ug/L | 98 |
| 28) di-isopropyl ether | 8.18 | 45 | 679530 | 50.74 | ug/L | 98 |
| 29) methacrylonitrile | 8.29 | 41 | 130183 | 53.83 | ug/L | 95 |
| 30) 2-butanone | 8.18 | 72 | 32979 | 58.98 | ug/L # | 76 |
| 31) Hexane | 8.16 | 41 | 276330 | 49.18 | ug/L | 89 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 391479 | 53.08 | ug/L | 100 |
| 33) tert-butyl ethyl ether | 8.57 | 59 | 147173 | 51.69 | ug/L | 98 |
| 34) isobutyl alcohol | 8.17 | 43 | 560716 | 250.72 | ug/L | 94 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 148073 | 46.95 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 269797 | 48.76 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 558890 | 50.57 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55790.D Vial: 27
 Acq On : 7 Oct 2011 3:30 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 08 14:46:22 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 113726 | 47.40 | ug/L | 93 |
| 39) chloroform | 8.55 | 83 | 407809 | 50.10 | ug/L | 100 |
| 41) Tetrahydrofuran | 8.88 | 42 | 56337 | 50.10 | ug/L | 87 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 353746 | 51.21 | ug/L | 97 |
| 44) Cyclohexane | 9.59 | 56 | 390498 | 51.09 | ug/L | 99 |
| 45) carbon tetrachloride | 9.67 | 117 | 304118 | 58.30 | ug/L | 92 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 314490 | 50.97 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 971360 | 49.52 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 286314 | 49.14 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 125974 | 57.24 | ug/L | 97 |
| 50) heptane | 10.18 | 43 | 209954 | 50.11 | ug/L | 100 |
| 51) trichloroethene | 10.32 | 95 | 266078 | 50.51 | ug/L | 99 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 232616 | 51.64 | ug/L | 99 |
| 53) dibromomethane | 10.26 | 93 | 148500 | 51.07 | ug/L | 96 |
| 54) bromodichloromethane | 10.38 | 83 | 306544 | 53.41 | ug/L | 99 |
| 55) Methylcyclohexane | 10.84 | 83 | 438545 | 51.84 | ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 232616 | 51.64 | ug/L # | 98 |
| 57) methyl methacrylate | 10.47 | 69 | 147935 | 51.73 | ug/L | 92 |
| 58) 1,4-dioxane | 10.47 | 88 | 16769 | 293.37 | ug/L | 86 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 333492 | 48.46 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 195074 | 54.81 | ug/L | 100 |
| 62) toluene | 11.78 | 92 | 647988 | 51.74 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 221194 | 48.25 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 186751 | 51.11 | ug/L | 96 |
| 65) ethyl methacrylate | 11.79 | 69 | 258747 | 51.20 | ug/L | 100 |
| 67) tetrachloroethene | 12.52 | 166 | 288361 | 50.50 | ug/L | 96 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 365587 | 49.38 | ug/L | 98 |
| 69) dibromochloromethane | 12.11 | 129 | 240242 | 54.57 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 236426 | 50.94 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 142382 | 54.88 | ug/L | 100 |
| 72) chlorobenzene | 13.20 | 112 | 723282 | 49.38 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 239862 | 52.61 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 1218539 | 50.36 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 981424 | 101.35 | ug/L | 99 |
| 76) o-xylene | 13.97 | 106 | 473398 | 50.61 | ug/L | 99 |
| 77) styrene | 13.90 | 104 | 782008 | 53.57 | ug/L | 97 |
| 78) bromoform | 13.72 | 173 | 153207 | 47.88 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-buten | 14.12 | 53 | 8316 | 38.32 | ug/L # | 78 |
| 81) isopropylbenzene | 14.33 | 105 | 1084023 | 52.67 | ug/L | 98 |
| 83) bromobenzene | 14.62 | 156 | 316914 | 51.39 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.97 | 83 | 283471 | 52.61 | ug/L | 100 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 225345 | 50.30 | ug/L | 99 |
| 86) n-propylbenzene | 14.78 | 91 | 1437799 | 52.56 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.90 | 91 | 847199 | 50.59 | ug/L | 100 |
| 88) 4-chlorotoluene | 14.97 | 91 | 855060 | 51.18 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1057069 | 52.94 | ug/L | 100 |
| 90) tert-butylbenzene | 15.36 | 91 | 578796 | 52.12 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 15.47 | 105 | 1051861 | 51.07 | ug/L | 99 |
| 92) sec-butylbenzene | 15.58 | 105 | 1403894 | 53.32 | ug/L | 100 |

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

N55790.D N100711W.M Sat Oct 08 14:46:37 2011 RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55790.D Vial: 27
 Acq On : 7 Oct 2011 3:30 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24058,MSN2093,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 08 14:46:22 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 602199 | 50.88 | ug/L | 100 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1099212 | 52.85 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 613404 | 51.30 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 570550 | 50.77 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 1065204 | 53.79 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 48140 | 55.12 | ug/L | 91 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 398541 | 54.46 | ug/L | 95 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 451126 | 53.24 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 201906 | 53.34 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 988244 | 52.69 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 363539 | 56.42 | ug/L | 93 |
| 104) 2-methylnaphthalene | 19.81 | 142 | 183116m | 30.76 | ug/L | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N55790.D N100711W.M Sat Oct 08 14:46:37 2011 RP1

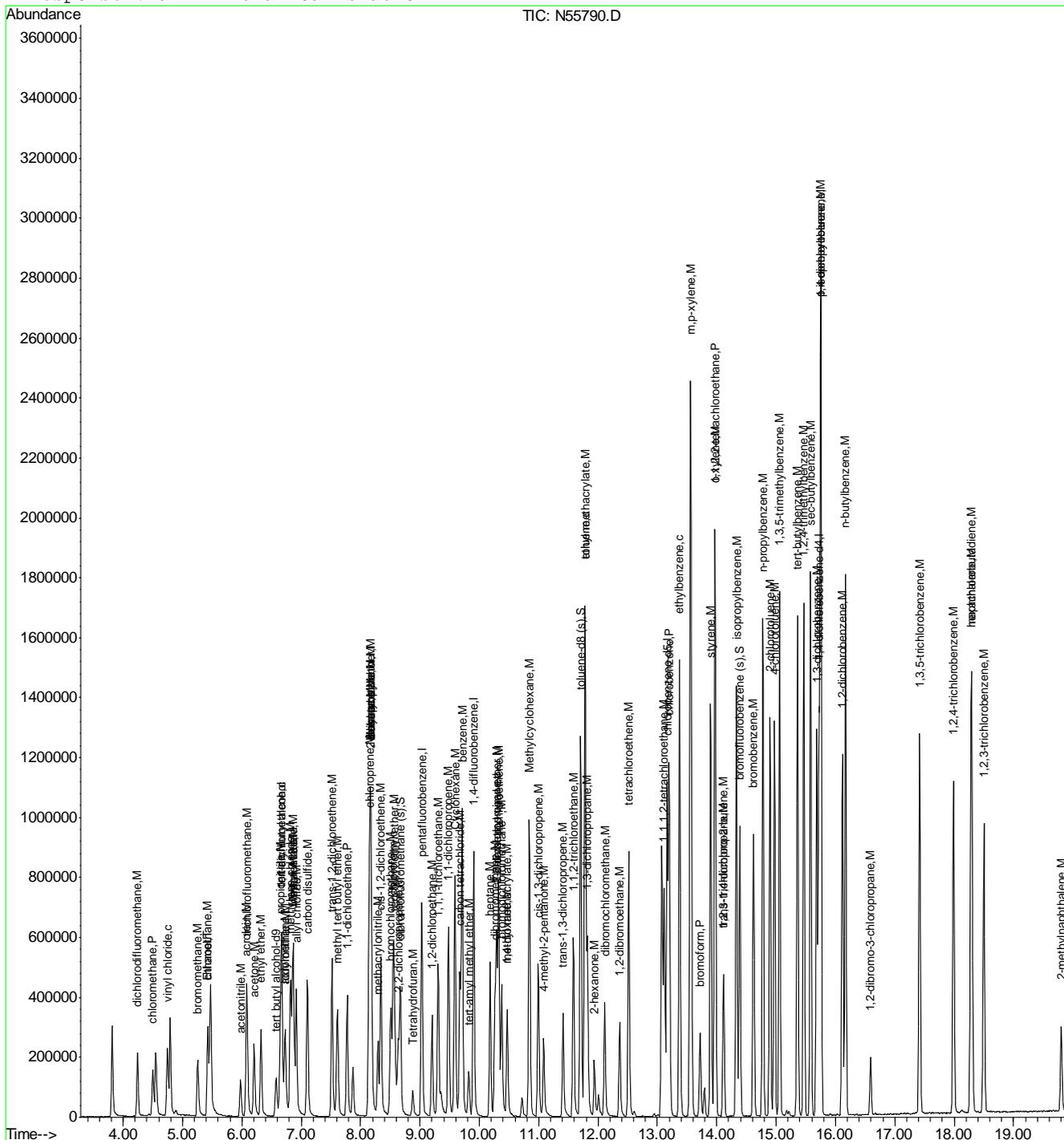
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N55790.D
 Acq On : 7 Oct 2011 3:30 pm
 Sample : cc2093-50
 Misc : MS24058,MSN2093,, ,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 8 14:46 2011

Vial: 27
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56185.D Vial: 15
 Acq On : 15 Oct 2011 5:27 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24140,MSN2108,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:00:42 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.58 | 65 | 266738 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.03 | 168 | 569359 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.91 | 114 | 861423 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.16 | 82 | 382700 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.72 | 152 | 427966 | 50.00 | ug/L | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|------|--------|
| 40) dibromofluoromethane (s) | 8.67 | 113 | 271276 | 47.17 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.34% |
| 60) toluene-d8 (s) | 11.71 | 98 | 1069950 | 49.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.44% |
| 82) bromofluorobenzene (s) | 14.39 | 95 | 395604 | 44.20 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.40% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 2) tertiary butyl alcohol | 6.66 | 59 | 228389 | 447.69 | ug/L # | 69 |
| 3) Ethanol | 5.42 | 45 | 346238 | 3114.74 | ug/L | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 272162 | 60.69 | ug/L | 99 |
| 6) chloromethane | 4.50 | 50 | 209194 | 50.53 | ug/L | 95 |
| 7) vinyl chloride | 4.75 | 62 | 252596 | 57.50 | ug/L | 96 |
| 8) bromomethane | 5.26 | 96 | 168719 | 48.98 | ug/L | 98 |
| 9) chloroethane | 5.43 | 64 | 172905 | 54.67 | ug/L | 97 |
| 10) ethyl ether | 6.32 | 59 | 196820 | 51.99 | ug/L | 92 |
| 11) acetonitrile | 5.98 | 41 | 51408 | 22.15 | ug/L | 93 |
| 12) trichlorofluoromethane | 6.09 | 101 | 432896 | 54.27 | ug/L | 97 |
| 13) freon-113 | 6.87 | 101 | 269639 | 55.70 | ug/L | 98 |
| 14) acrolein | 6.07 | 56 | 58960 | 211.11 | ug/L | 99 |
| 15) 1,1-dichloroethene | 6.67 | 96 | 238443 | 55.39 | ug/L | 97 |
| 16) acetone | 6.21 | 43 | 81545 | 35.91 | ug/L | 98 |
| 17) Methyl Acetate | 6.85 | 43 | 248112 | 50.44 | ug/L | 97 |
| 18) methylene chloride | 6.82 | 84 | 269452 | 51.61 | ug/L | 98 |
| 19) methyl tert butyl ether | 7.61 | 73 | 642064 | 73.39 | ug/L | 98 |
| 20) acrylonitrile | 6.72 | 53 | 87561 | 284.48 | ug/L | 92 |
| 21) allyl chloride | 6.92 | 41 | 293761 | 52.99 | ug/L | 89 |
| 22) trans-1,2-dichloroethene | 7.52 | 96 | 267765 | 50.71 | ug/L | 95 |
| 23) iodomethane | 6.73 | 142 | 317546 | 65.02 | ug/L | 99 |
| 24) carbon disulfide | 7.10 | 76 | 848743 | 53.36 | ug/L | 99 |
| 25) propionitrile | 6.64 | 54 | 3177 | 22.53 | ug/L | 100 |
| 26) vinyl acetate | 6.85 | 43 | 248112 | 50.44 | ug/L | 96 |
| 27) chloroprene | 8.14 | 53 | 338003 | 51.51 | ug/L | 91 |
| 28) di-isopropyl ether | 8.18 | 45 | 689110 | 47.33 | ug/L | 97 |
| 29) methacrylonitrile | 8.29 | 41 | 134113 | 51.01 | ug/L | 96 |
| 30) 2-butanone | 8.18 | 72 | 35724 | 58.78 | ug/L # | 69 |
| 31) Hexane | 8.16 | 41 | 297077 | 48.64 | ug/L # | 75 |
| 32) 1,1-dichloroethane | 7.77 | 63 | 436794 | 54.49 | ug/L | 98 |
| 33) tert-butyl ether | 8.57 | 59 | 522594 | 131.19 | ug/L | 97 |
| 34) isobutyl alcohol | 8.17 | 43 | 581942 | 239.38 | ug/L | 90 |
| 35) 2,2-dichloropropane | 8.64 | 77 | 269366 | 69.36 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.34 | 96 | 300607 | 49.98 | ug/L | 98 |
| 37) ethyl acetate | 8.17 | 43 | 581942 | 48.44 | ug/L | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56185.D
 Acq On : 15 Oct 2011 5:27 pm
 Sample : cc2093-50
 Misc : MS24140,MSN2108,,,,5,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:00:42 2011

Vial: 15
 Operator: danat
 Inst : MAMSN
 Multiplr: 1.00

Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 38) bromochloromethane | 8.51 | 128 | 138717 | 53.19 | ug/L | 93 |
| 39) chloroform | 8.55 | 83 | 449069 | 50.76 | ug/L | 97 |
| 41) Tetrahydrofuran | 8.88 | 42 | 64136 | 52.47 | ug/L | 97 |
| 42) 1,1,1-trichloroethane | 9.31 | 97 | 392985 | 52.31 | ug/L | 97 |
| 44) Cyclohexane | 9.59 | 56 | 436418 | 53.06 | ug/L | 94 |
| 45) carbon tetrachloride | 9.67 | 117 | 345463 | 61.56 | ug/L | 97 |
| 46) 1,1-dichloropropene | 9.48 | 75 | 361588 | 54.47 | ug/L | 99 |
| 47) benzene | 9.71 | 78 | 1081580 | 51.24 | ug/L | 98 |
| 48) 1,2-dichloroethane | 9.20 | 62 | 310845 | 49.59 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.82 | 73 | 484071 | 147.35 | ug/L | 97 |
| 50) heptane | 10.18 | 43 | 239066 | 53.03 | ug/L | 92 |
| 51) trichloroethene | 10.33 | 95 | 299324 | 52.81 | ug/L | 95 |
| 52) 1,2-dichloropropane | 10.29 | 63 | 260758 | 53.80 | ug/L | 98 |
| 53) dibromomethane | 10.26 | 93 | 167390 | 53.50 | ug/L | 97 |
| 54) bromodichloromethane | 10.38 | 83 | 333741 | 54.05 | ug/L | 99 |
| 55) Methylcyclohexane | 10.84 | 83 | 511264 | 56.17 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 10.29 | 63 | 260758 | 53.80 | ug/L # | 98 |
| 57) methyl methacrylate | 10.47 | 69 | 159422 | 51.81 | ug/L | 88 |
| 58) 1,4-dioxane | 10.47 | 88 | 17322 | 281.65 | ug/L | 94 |
| 59) cis-1,3-dichloropropene | 10.99 | 75 | 404794 | 54.33 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.09 | 43 | 200588 | 52.38 | ug/L | 96 |
| 62) toluene | 11.78 | 92 | 717478 | 53.24 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 11.41 | 75 | 308807 | 61.11 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.59 | 83 | 209566 | 53.31 | ug/L | 96 |
| 65) ethyl methacrylate | 11.79 | 69 | 276896 | 50.94 | ug/L | 95 |
| 67) tetrachloroethene | 12.52 | 166 | 327426 | 55.62 | ug/L | 97 |
| 68) 1,3-dichloropropane | 11.82 | 76 | 413483 | 54.17 | ug/L | 99 |
| 69) dibromochloromethane | 12.11 | 129 | 276745 | 60.97 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.36 | 107 | 265330 | 55.45 | ug/L | 99 |
| 71) 2-hexanone | 11.94 | 43 | 150590 | 56.29 | ug/L | 99 |
| 72) chlorobenzene | 13.20 | 112 | 833585 | 55.20 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 13.11 | 131 | 273267 | 58.14 | ug/L | 99 |
| 74) ethylbenzene | 13.37 | 91 | 1334483 | 53.50 | ug/L | 99 |
| 75) m,p-xylene | 13.56 | 106 | 1111304 | 111.31 | ug/L | 95 |
| 76) o-xylene | 13.97 | 106 | 544933 | 56.50 | ug/L | 94 |
| 77) styrene | 13.90 | 104 | 865200 | 57.48 | ug/L | 98 |
| 78) bromoform | 13.72 | 173 | 176486 | 52.67 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-buten | 14.11 | 53 | 29813 | 96.58 | ug/L # | 1 |
| 81) isopropylbenzene | 14.33 | 105 | 1218470 | 51.87 | ug/L | 97 |
| 83) bromobenzene | 14.62 | 156 | 363872 | 51.70 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 13.96 | 83 | 326768 | 53.13 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.11 | 75 | 295471 | 57.78 | ug/L | 98 |
| 86) n-propylbenzene | 14.78 | 91 | 1625568 | 52.07 | ug/L | 97 |
| 87) 2-chlorotoluene | 14.89 | 91 | 942735 | 49.32 | ug/L | 99 |
| 88) 4-chlorotoluene | 14.97 | 91 | 972387 | 51.00 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 15.06 | 105 | 1221738 | 53.61 | ug/L | 99 |
| 90) tert-butylbenzene | 15.36 | 91 | 647679 | 51.10 | ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 15.46 | 105 | 1234118 | 52.50 | ug/L | 98 |
| 92) sec-butylbenzene | 15.58 | 105 | 1645880 | 54.77 | ug/L | 98 |

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

N56185.D N100711W.M Mon Oct 17 14:45:25 2011 RP1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\N56185.D Vial: 15
 Acq On : 15 Oct 2011 5:27 pm Operator: danat
 Sample : cc2093-50 Inst : MAMSN
 Misc : MS24140,MSN2108,,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 15 18:00:42 2011 Quant Results File: N100711W.RES

Quant Method : C:\MSDCHEM\1\METHODS\N100711W.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Oct 08 14:46:19 2011
 Response via : Initial Calibration
 DataAcq Meth : N8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) 1,3-dichlorobenzene | 15.68 | 146 | 698531 | 51.71 | ug/L | 98 |
| 94) p-isopropyltoluene | 15.75 | 119 | 1327588 | 55.92 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.75 | 146 | 723833 | 53.04 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.12 | 146 | 670130 | 52.25 | ug/L | 99 |
| 97) n-butylbenzene | 16.17 | 91 | 1256608 | 55.60 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropropan | 16.59 | 75 | 56156 | 56.34 | ug/L | 84 |
| 99) 1,2,4-trichlorobenzene | 17.99 | 180 | 491367 | 58.83 | ug/L | 100 |
| 100) 1,3,5-trichlorobenzene | 17.42 | 180 | 545917 | 56.45 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.30 | 225 | 246747 | 57.11 | ug/L | 99 |
| 102) naphthalene | 18.28 | 128 | 1175236 | 54.77 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.50 | 180 | 452902 | 61.59 | ug/L | 99 |

6.6.11
6

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 N56185.D N100711W.M Mon Oct 17 14:45:25 2011 RP1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2564.D
 Acq On : 15 Oct 2011 1:55 pm
 Operator : AMYM
 Sample : ic112-0.5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 07:33:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:21 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.522 | 65 | 119583 | 500.00 | ug/L | #-0.03 | |
| 4) pentafluorobenzene | 6.563 | 168 | 320153 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.748 | 114 | 558645 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.096 | 82 | 308169 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.331 | 152 | 271062 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.443 | 113 | 200672 | 52.25 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.50% | |
| 60) toluene-d8 (s) | 9.564 | 98 | 703675 | 49.68 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.36% | |
| 82) bromofluorobenzene (s) | 12.254 | 95 | 256863 | 49.67 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.34% | |
| Target Compounds | | | | | | | |
| 47) benzene | 7.004 | 78 | 8585 | 0.46 | ug/L | | Qvalue 84 |

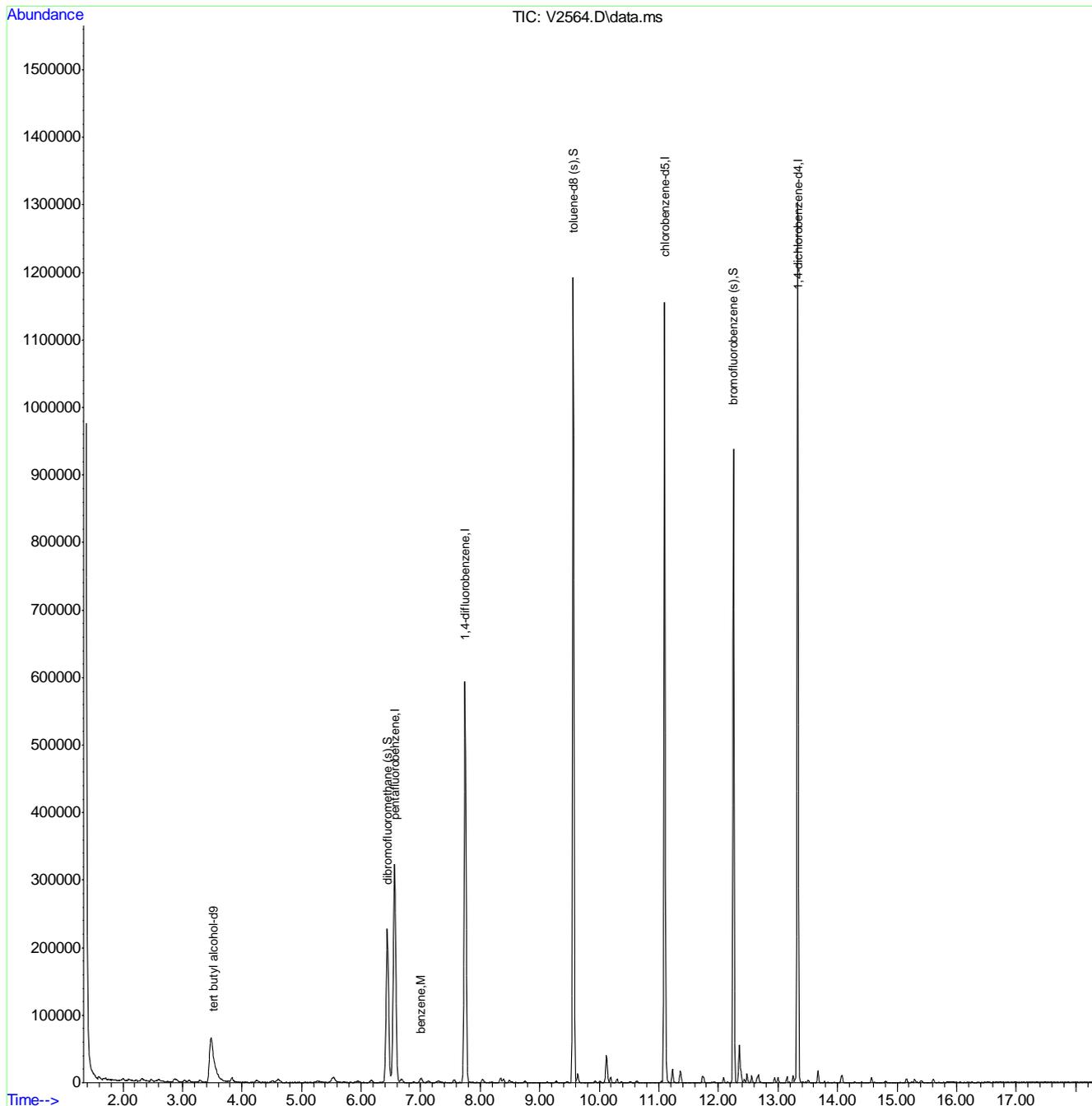
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.6.12
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2564.D
 Acq On : 15 Oct 2011 1:55 pm
 Operator : AMYM
 Sample : ic112-0.5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 07:33:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:21 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:36:28 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.530 | 65 | 118731 | 500.00 | ug/L | #-0.02 | |
| 4) pentafluorobenzene | 6.567 | 168 | 322408 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.750 | 114 | 562978 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.096 | 82 | 301556 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.329 | 152 | 275437 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.447 | 113 | 201612 | 52.12 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.24% | |
| 60) toluene-d8 (s) | 9.564 | 98 | 704641 | 49.36 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.72% | |
| 82) bromofluorobenzene (s) | 12.253 | 95 | 262154 | 49.89 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.78% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.631 | 59 | 5396m | 18.22 | ug/L | | |
| 3) Ethanol | 2.503 | 45 | 4526m | 368.71 | ug/L | | |
| 5) dichlorodifluoromethane | 1.520 | 85 | 12581 | 2.23 | ug/L | | 98 |
| 6) chloromethane | 1.608 | 50 | 11251 | 2.31 | ug/L | | 93 |
| 7) vinyl chloride | 1.720 | 62 | 11738 | 2.09 | ug/L | | 94 |
| 8) bromomethane | 2.010 | 96 | 6896 | 2.39 | ug/L | | 94 |
| 9) chloroethane | 2.115 | 64 | 5938 | 2.53 | ug/L | | 91 |
| 10) ethyl ether | 2.612 | 59 | 6022 | 2.24 | ug/L | | 97 |
| 11) acetonitrile | 3.301 | 41 | 10537 | 1.57 | ug/L | | 93 |
| 12) trichlorofluoromethane | 2.354 | 101 | 15656 | 2.42 | ug/L | | 99 |
| 13) freon-113 | 2.905 | 101 | 10260 | 2.29 | ug/L | | 89 |
| 15) 1,1-dichloroethene | 2.870 | 96 | 8181 | 2.08 | ug/L | | 91 |
| 16) acetone | 2.918 | 43 | 5704 | 5.18 | ug/L | | 84 |
| 17) Methyl Acetate | 3.291 | 43 | 9131 | 2.12 | ug/L | | 99 |
| 18) methylene chloride | 3.471 | 84 | 26310 | 5.51 | ug/L | # | 79 |
| 19) methyl tert butyl ether | 3.843 | 73 | 16752 | 1.54 | ug/L | | 90 |
| 20) acrylonitrile | 4.627 | 53 | 10259 | 8.07 | ug/L | | 99 |
| 21) allyl chloride | 3.301 | 41 | 10537 | 1.57 | ug/L | | 86 |
| 22) trans-1,2-dichloroethene | 3.840 | 96 | 9023 | 2.07 | ug/L | | 99 |
| 23) iodomethane | 3.038 | 142 | 13504 | 1.83 | ug/L | | 97 |
| 24) carbon disulfide | 3.121 | 76 | 23418 | 1.51 | ug/L | | 92 |
| 26) vinyl acetate | 4.542 | 43 | 10534 | 1.14 | ug/L | | 100 |
| 27) chloroprene | 4.627 | 53 | 10259 | 1.61 | ug/L | | 100 |
| 28) di-isopropyl ether | 4.611 | 45 | 22830 | 1.64 | ug/L | | 83 |
| 31) Hexane | 4.254 | 41 | 8469 | 2.10 | ug/L | | 88 |
| 32) 1,1-dichloroethane | 4.515 | 63 | 16428 | 1.97 | ug/L | | 97 |
| 33) tert-butyl ethyl ether | 5.280 | 59 | 15227 | 1.26 | ug/L | | 91 |
| 34) isobutyl alcohol | 4.253 | 43 | 6961 | 9.42 | ug/L | | 84 |
| 35) 2,2-dichloropropane | 5.550 | 77 | 8058 | 1.35 | ug/L | | 95 |
| 36) cis-1,2-dichloroethene | 5.537 | 96 | 9056 | 1.81 | ug/L | | 89 |
| 38) bromochloromethane | 5.957 | 128 | 4501m | 1.94 | ug/L | | |
| 39) chloroform | 6.176 | 83 | 17062 | 2.06 | ug/L | | 96 |
| 42) 1,1,1-trichloroethane | 6.419 | 97 | 11223 | 1.63 | ug/L | | 75 |
| 44) Cyclohexane | 6.538 | 56 | 19803 | 2.38 | ug/L | # | 71 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:36:28 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 45) carbon tetrachloride | 6.670 | 117 | 10364 | 1.56 | ug/L | 87 |
| 46) 1,1-dichloropropene | 6.688 | 75 | 12263 | 1.88 | ug/L | 94 |
| 47) benzene | 7.008 | 78 | 36154 | 1.94 | ug/L | 98 |
| 48) 1,2-dichloroethane | 7.135 | 62 | 12495 | 2.07 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.299 | 73 | 11772 | 1.05 | ug/L | 97 |
| 50) heptane | 7.566 | 43 | 9160 | 1.45 | ug/L | 94 |
| 51) trichloroethene | 8.041 | 95 | 9097 | 1.85 | ug/L | 82 |
| 52) 1,2-dichloropropane | 8.392 | 63 | 8999 | 1.72 | ug/L | 88 |
| 53) dibromomethane | 8.496 | 93 | 5485 | 1.72 | ug/L | 87 |
| 54) bromodichloromethane | 8.747 | 83 | 8390 | 1.28 | ug/L | 97 |
| 55) Methylcyclohexane | 8.344 | 83 | 11415 | 1.38 | ug/L | 92 |
| 59) cis-1,3-dichloropropene | 9.275 | 75 | 7058 | 0.89 | ug/L | 90 |
| 62) toluene | 9.640 | 92 | 22294 | 1.94 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.929 | 75 | 5577 | 0.86 | ug/L | 91 |
| 64) 1,1,2-trichloroethane | 10.134 | 83 | 6687 | 1.81 | ug/L | 92 |
| 65) ethyl methacrylate | 10.012 | 69 | 5228 | 0.85 | ug/L | 89 |
| 67) tetrachloroethene | 10.192 | 166 | 9205 | 2.03 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.297 | 76 | 12526 | 1.82 | ug/L | 99 |
| 69) dibromochloromethane | 10.518 | 129 | 4522m | 0.98 | ug/L | |
| 70) 1,2-dibromoethane | 10.627 | 107 | 6403 | 1.56 | ug/L | 98 |
| 72) chlorobenzene | 11.125 | 112 | 25483 | 2.26 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.225 | 131 | 5562 | 1.35 | ug/L | 95 |
| 74) ethylbenzene | 11.231 | 91 | 36262 | 1.87 | ug/L | 98 |
| 75) m,p-xylene | 11.363 | 106 | 24769 | 3.45 | ug/L | 94 |
| 76) o-xylene | 11.732 | 106 | 10266 | 1.37 | ug/L | 99 |
| 77) styrene | 11.753 | 104 | 15901 | 1.24 | ug/L | 100 |
| 81) isopropylbenzene | 12.087 | 105 | 21541 | 1.24 | ug/L | 99 |
| 83) bromobenzene | 12.378 | 156 | 9578 | 1.90 | ug/L | 93 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 10020 | 1.82 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.433 | 75 | 9028 | 1.42 | ug/L | 93 |
| 86) n-propylbenzene | 12.480 | 91 | 40176 | 1.76 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.558 | 91 | 25985 | 1.82 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.672 | 91 | 29063 | 1.83 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.652 | 105 | 23042 | 1.41 | ug/L | 98 |
| 90) tert-butylbenzene | 12.941 | 91 | 13345 | 1.36 | ug/L | 84 |
| 91) 1,2,4-trimethylbenzene | 12.997 | 105 | 23063 | 1.40 | ug/L | 97 |
| 92) sec-butylbenzene | 13.148 | 105 | 30393 | 1.44 | ug/L | 91 |
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 17323 | 1.92 | ug/L | 97 |
| 94) p-isopropyltoluene | 13.293 | 119 | 20259 | 1.32 | ug/L | 95 |
| 95) 1,4-dichlorobenzene | 13.351 | 146 | 19211 | 2.12 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 16314 | 1.97 | ug/L | 99 |
| 97) n-butylbenzene | 13.666 | 91 | 24218 | 1.51 | ug/L | 95 |
| 99) 1,3,5-trichlorobenzene | 14.567 | 180 | 10569 | 1.60 | ug/L | 94 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 8594 | 1.43 | ug/L | 98 |
| 101) hexachlorobutadiene | 15.293 | 225 | 5704 | 1.69 | ug/L | 95 |
| 103) 1,2,3-trichlorobenzene | 15.604 | 180 | 8565 | 1.48 | ug/L | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

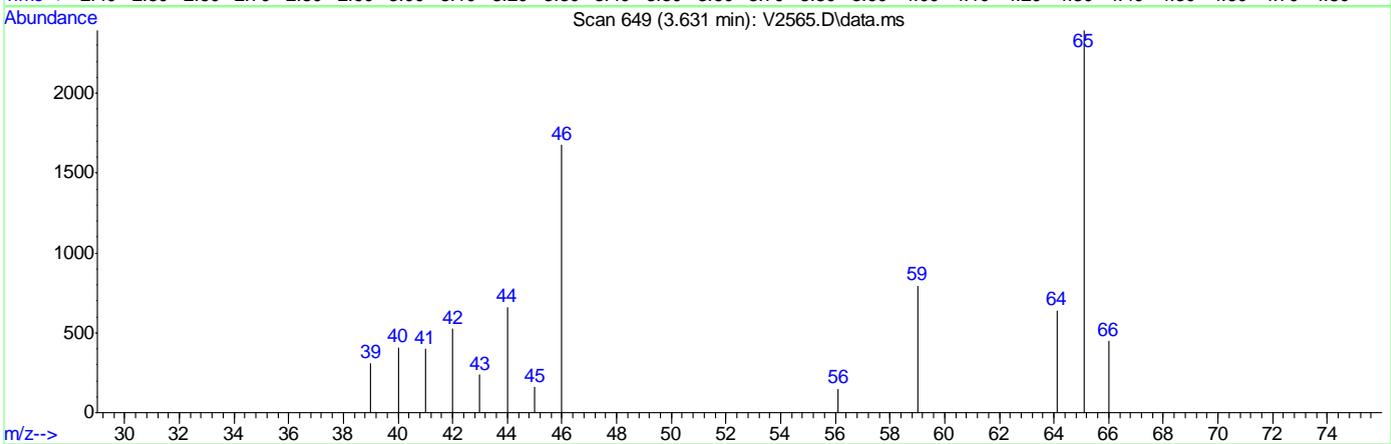
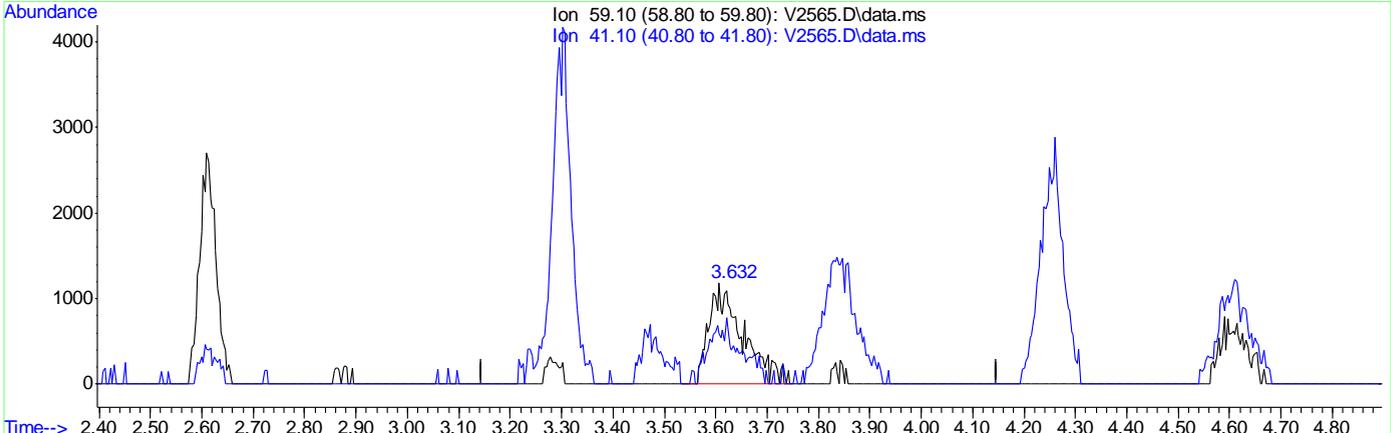
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:29:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.13.1

6



(2) tertiary butyl alcohol
 3.631min (-0.015) 18.22ug/L m
 response 5396

| Ion | Exp% | Act% |
|-------|-------|-------|
| 59.10 | 100 | 100 |
| 41.10 | 37.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

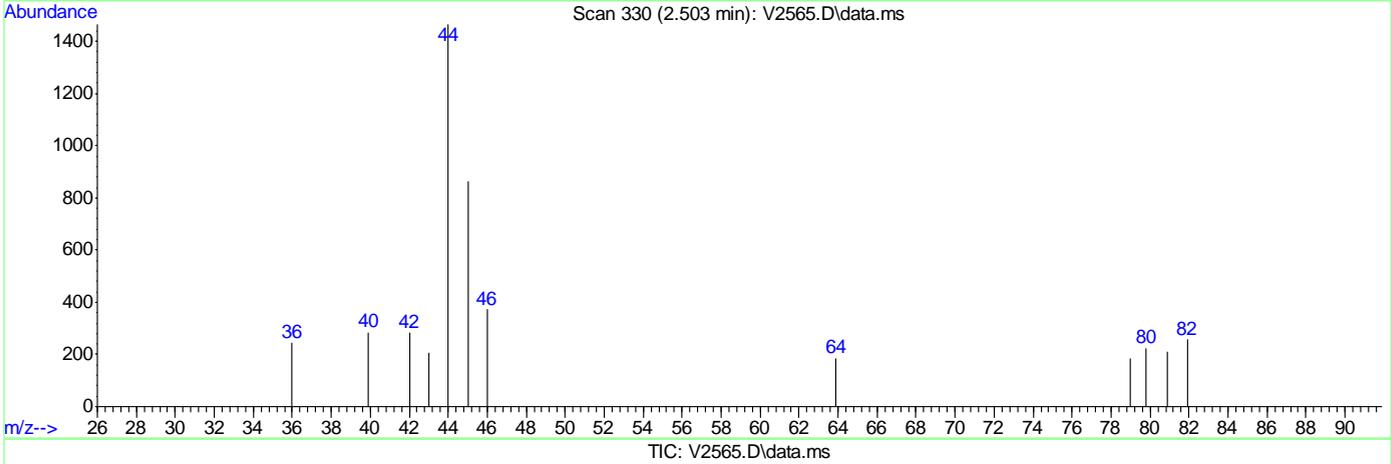
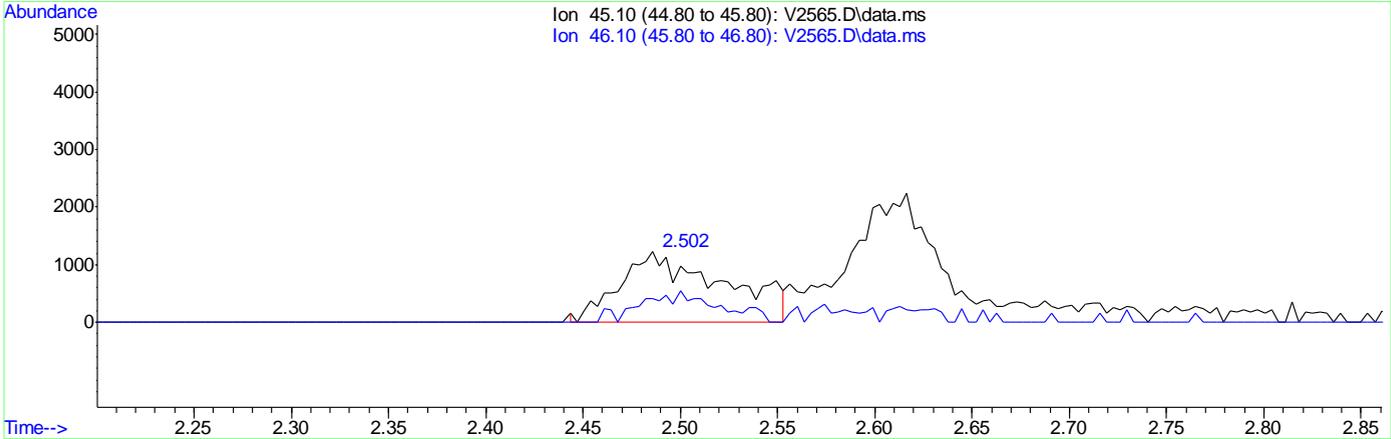
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:29:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.13.2

6



(3) Ethanol (T)
 2.503min (-0.004) 368.71ug/L m
 response 4526

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 46.10 | 52.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

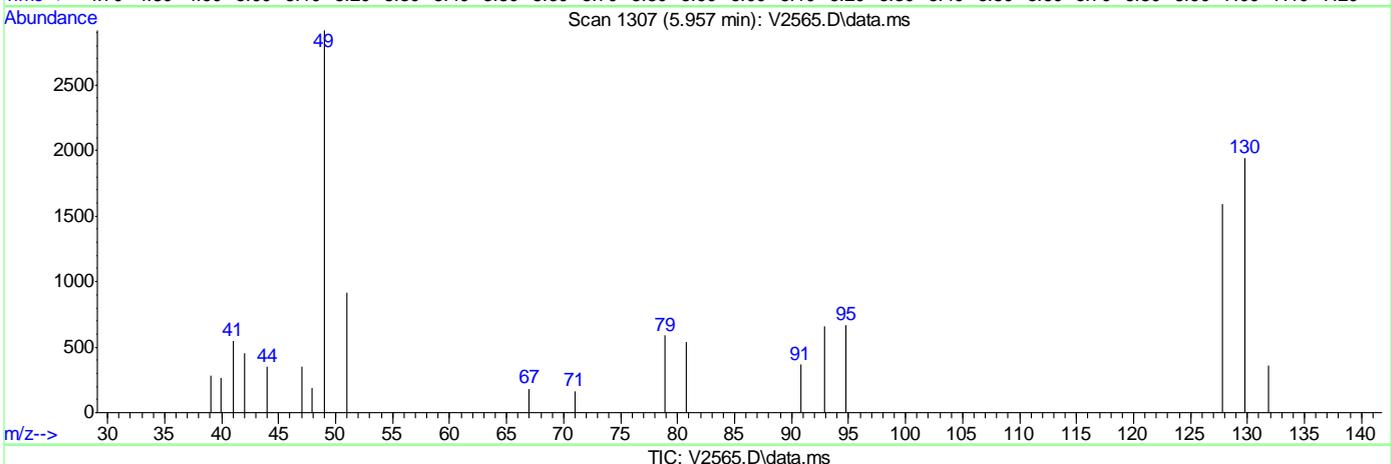
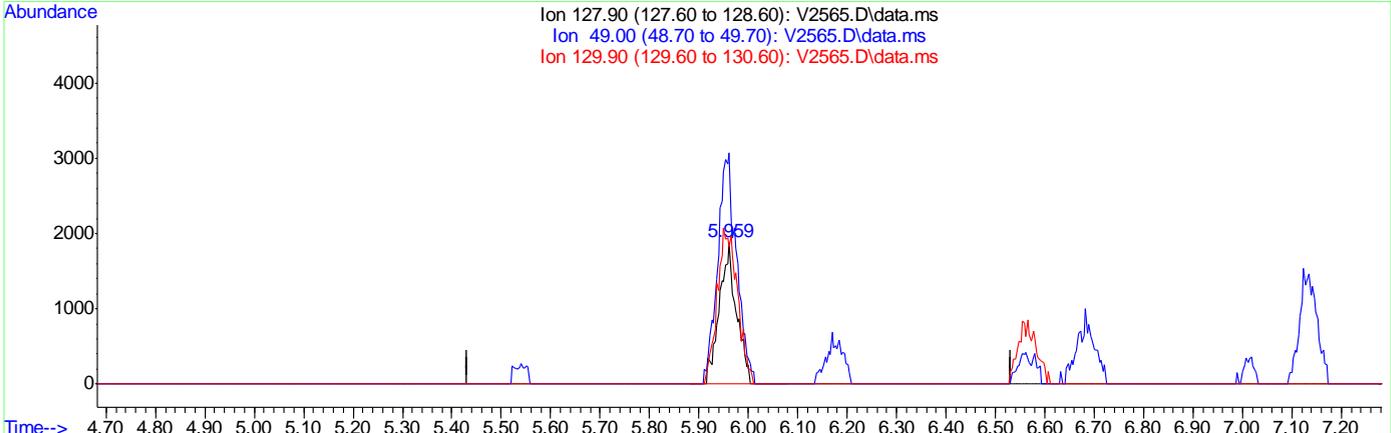
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:29:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.13.3

6



(38) bromochloromethane (M)

5.957min (-0.005) 1.94ug/L m

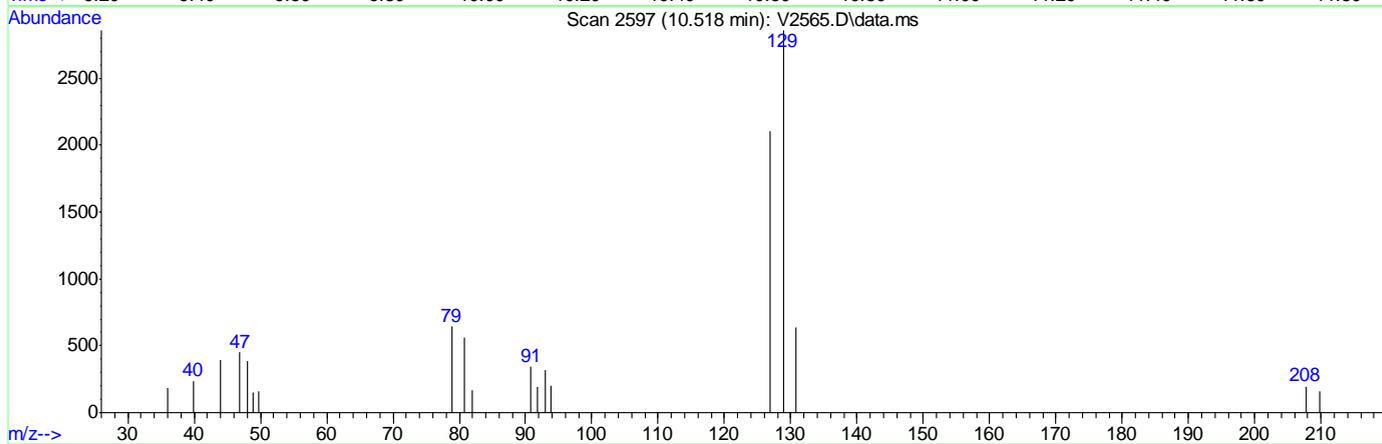
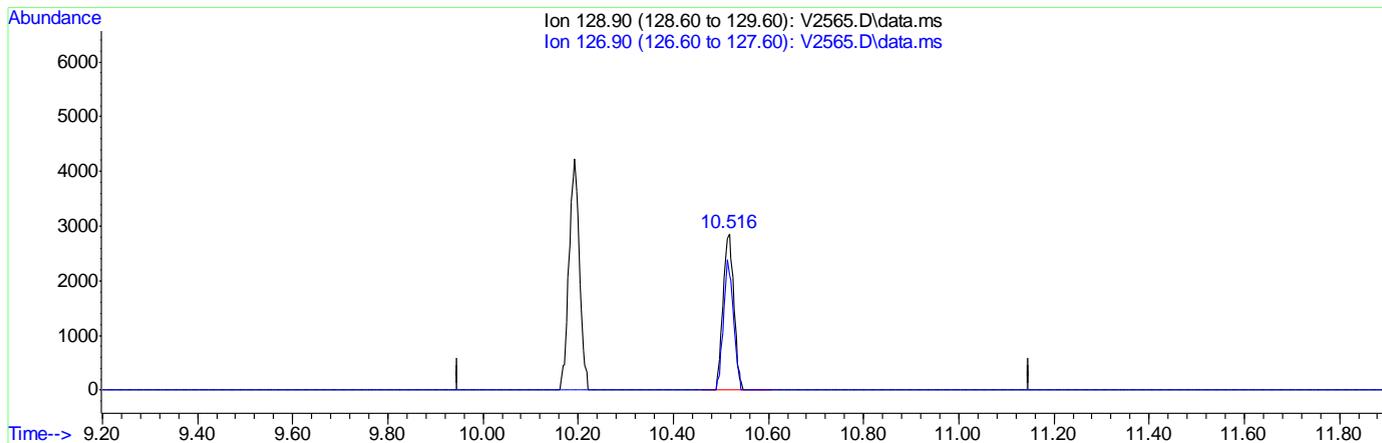
response 4501

| Ion | Exp% | Act% |
|--------|--------|---------|
| 127.90 | 100 | 100 |
| 49.00 | 142.40 | 183.23# |
| 129.90 | 128.00 | 122.24 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2565.D
 Acq On : 15 Oct 2011 2:25 pm
 Operator : AMYM
 Sample : ic112-2
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 16 07:29:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



TIC: V2565.D\data.ms

(69) dibromochloromethane (M)

10.518min (+0.000) 0.98ug/L m

response 4522

| Ion | Exp% | Act% |
|--------|-------|-------|
| 128.90 | 100 | 100 |
| 126.90 | 75.80 | 73.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:38:07 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.531 | 65 | 120187 | 500.00 | ug/L | #-0.02 | |
| 4) pentafluorobenzene | 6.566 | 168 | 355010 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.750 | 114 | 597818 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.096 | 82 | 321780 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.329 | 152 | 291758 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.447 | 113 | 216773 | 50.90 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.80% | |
| 60) toluene-d8 (s) | 9.564 | 98 | 764749 | 50.45 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.90% | |
| 82) bromofluorobenzene (s) | 12.253 | 95 | 290257 | 52.15 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.30% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.629 | 59 | 13434 | 44.81 | ug/L | | 82 |
| 3) Ethanol | 2.500 | 45 | 9545 | 768.16 | ug/L | # | 26 |
| 5) dichlorodifluoromethane | 1.523 | 85 | 32458 | 5.23 | ug/L | | 97 |
| 6) chloromethane | 1.611 | 50 | 29814 | 5.56 | ug/L | | 96 |
| 7) vinyl chloride | 1.723 | 62 | 31700 | 5.13 | ug/L | | 100 |
| 8) bromomethane | 2.011 | 96 | 17585 | 5.53 | ug/L | | 90 |
| 9) chloroethane | 2.114 | 64 | 14833 | 5.73 | ug/L | | 96 |
| 10) ethyl ether | 2.612 | 59 | 15659 | 5.30 | ug/L | | 84 |
| 11) acetonitrile | 3.301 | 41 | 29048 | 3.93 | ug/L | | 91 |
| 12) trichlorofluoromethane | 2.354 | 101 | 39458 | 5.55 | ug/L | | 98 |
| 13) freon-113 | 2.906 | 101 | 26275 | 5.32 | ug/L | | 92 |
| 14) acrolein | 2.764 | 56 | 5473 | 23.00 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.870 | 96 | 21306 | 4.91 | ug/L | | 95 |
| 16) acetone | 2.919 | 43 | 10402 | 8.57 | ug/L | | 95 |
| 17) Methyl Acetate | 3.292 | 43 | 23936 | 5.05 | ug/L | | 97 |
| 18) methylene chloride | 3.471 | 84 | 44660 | 8.50 | ug/L | | 85 |
| 19) methyl tert butyl ether | 3.845 | 73 | 44946 | 3.75 | ug/L | | 91 |
| 20) acrylonitrile | 4.627 | 53 | 30527 | 21.81 | ug/L | | 97 |
| 21) allyl chloride | 3.301 | 41 | 29048 | 3.93 | ug/L | | 89 |
| 22) trans-1,2-dichloroethene | 3.840 | 96 | 24315 | 5.06 | ug/L | | 95 |
| 23) iodomethane | 3.038 | 142 | 36898 | 4.53 | ug/L | | 94 |
| 24) carbon disulfide | 3.122 | 76 | 62120 | 3.65 | ug/L | | 100 |
| 25) propionitrile | 5.660 | 54 | 2835m | 4.10 | ug/L | | |
| 26) vinyl acetate | 4.545 | 43 | 32242 | 3.18 | ug/L | | 96 |
| 27) chloroprene | 4.627 | 53 | 30527 | 4.36 | ug/L | | 93 |
| 28) di-isopropyl ether | 4.612 | 45 | 68395 | 4.48 | ug/L | | 93 |
| 29) methacrylonitrile | 5.932 | 41 | 12850 | 4.04 | ug/L | | 83 |
| 30) 2-butanone | 5.972 | 72 | 1828m | 3.21 | ug/L | | |
| 31) Hexane | 4.255 | 41 | 22770 | 5.14 | ug/L | # | 79 |
| 32) 1,1-dichloroethane | 4.515 | 63 | 44025 | 4.81 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.282 | 59 | 43314 | 3.26 | ug/L | | 91 |
| 34) isobutyl alcohol | 4.254 | 43 | 19716 | 24.23 | ug/L | | 94 |
| 35) 2,2-dichloropropane | 5.552 | 77 | 22430 | 3.42 | ug/L | | 89 |
| 36) cis-1,2-dichloroethene | 5.538 | 96 | 25243 | 4.58 | ug/L | | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:38:07 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.301 | 43 | 12066m | 3.40 | ug/L | |
| 38) bromochloromethane | 5.959 | 128 | 11814 | 4.63 | ug/L # | 80 |
| 39) chloroform | 6.176 | 83 | 45548 | 5.00 | ug/L | 96 |
| 41) Tetrahydrofuran | 5.968 | 42 | 5362 | 4.11 | ug/L | 82 |
| 42) 1,1,1-trichloroethane | 6.419 | 97 | 30794 | 4.07 | ug/L | 89 |
| 44) Cyclohexane | 6.531 | 56 | 45909 | 5.19 | ug/L # | 95 |
| 45) carbon tetrachloride | 6.672 | 117 | 27572 | 3.90 | ug/L | 89 |
| 46) 1,1-dichloropropene | 6.689 | 75 | 32389 | 4.69 | ug/L | 95 |
| 47) benzene | 7.009 | 78 | 97683 | 4.93 | ug/L | 97 |
| 48) 1,2-dichloroethane | 7.136 | 62 | 32346 | 5.06 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.300 | 73 | 34733 | 2.92 | ug/L | 94 |
| 50) heptane | 7.566 | 43 | 28985 | 4.33 | ug/L | 90 |
| 51) trichloroethene | 8.041 | 95 | 24373 | 4.66 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.392 | 63 | 25528 | 4.58 | ug/L | 98 |
| 53) dibromomethane | 8.496 | 93 | 14841 | 4.37 | ug/L | 91 |
| 54) bromodichloromethane | 8.747 | 83 | 23015 | 3.31 | ug/L | 95 |
| 55) Methylcyclohexane | 8.345 | 83 | 35298 | 4.03 | ug/L | 93 |
| 56) 2-chloroethyl vinyl ether | 9.125 | 63 | 7453 | 2.44 | ug/L # | 45 |
| 57) methyl methacrylate | 8.528 | 69 | 9782 | 2.98 | ug/L | 87 |
| 58) 1,4-dioxane | 8.499 | 88 | 647m | 12.42 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.276 | 75 | 22366 | 2.66 | ug/L | 92 |
| 61) 4-methyl-2-pentanone | 9.465 | 43 | 12627 | 2.89 | ug/L # | 40 |
| 62) toluene | 9.640 | 92 | 59253 | 4.85 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 9.929 | 75 | 16430 | 2.37 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.134 | 83 | 18302 | 4.68 | ug/L | 96 |
| 65) ethyl methacrylate | 10.014 | 69 | 16134 | 2.47 | ug/L | 83 |
| 67) tetrachloroethene | 10.192 | 166 | 23927 | 4.96 | ug/L | 92 |
| 68) 1,3-dichloropropane | 10.298 | 76 | 33739 | 4.59 | ug/L | 97 |
| 69) dibromochloromethane | 10.517 | 129 | 13082 | 2.65 | ug/L | 99 |
| 70) 1,2-dibromoethane | 10.627 | 107 | 17344 | 3.97 | ug/L | 90 |
| 71) 2-hexanone | 10.374 | 43 | 9648 | 3.20 | ug/L | 90 |
| 72) chlorobenzene | 11.125 | 112 | 64984 | 5.40 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.226 | 131 | 17103 | 3.90 | ug/L | 93 |
| 74) ethylbenzene | 11.232 | 91 | 102912 | 4.98 | ug/L | 100 |
| 75) m,p-xylene | 11.363 | 106 | 74334 | 9.70 | ug/L | 95 |
| 76) o-xylene | 11.733 | 106 | 32258 | 4.02 | ug/L | 97 |
| 77) styrene | 11.754 | 104 | 53009 | 3.88 | ug/L | 99 |
| 78) bromoform | 11.926 | 173 | 7210 | 2.07 | ug/L | 95 |
| 79) trans-1,4-dichloro-2-b... | 12.148 | 53 | 4854m | 3.25 | ug/L | |
| 81) isopropylbenzene | 12.088 | 105 | 69925 | 3.80 | ug/L | 97 |
| 83) bromobenzene | 12.378 | 156 | 25204 | 4.73 | ug/L # | 83 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 27474 | 4.71 | ug/L | 96 |
| 85) 1,2,3-trichloropropane | 12.433 | 75 | 23384 | 3.47 | ug/L | 98 |
| 86) n-propylbenzene | 12.480 | 91 | 119692 | 4.96 | ug/L | 97 |
| 87) 2-chlorotoluene | 12.558 | 91 | 73262 | 4.85 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.672 | 91 | 86156 | 5.11 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.653 | 105 | 75176 | 4.34 | ug/L | 99 |
| 90) tert-butylbenzene | 12.942 | 91 | 41923 | 4.04 | ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 12.997 | 105 | 76775 | 4.41 | ug/L | 100 |
| 92) sec-butylbenzene | 13.148 | 105 | 99342 | 4.43 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:38:07 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

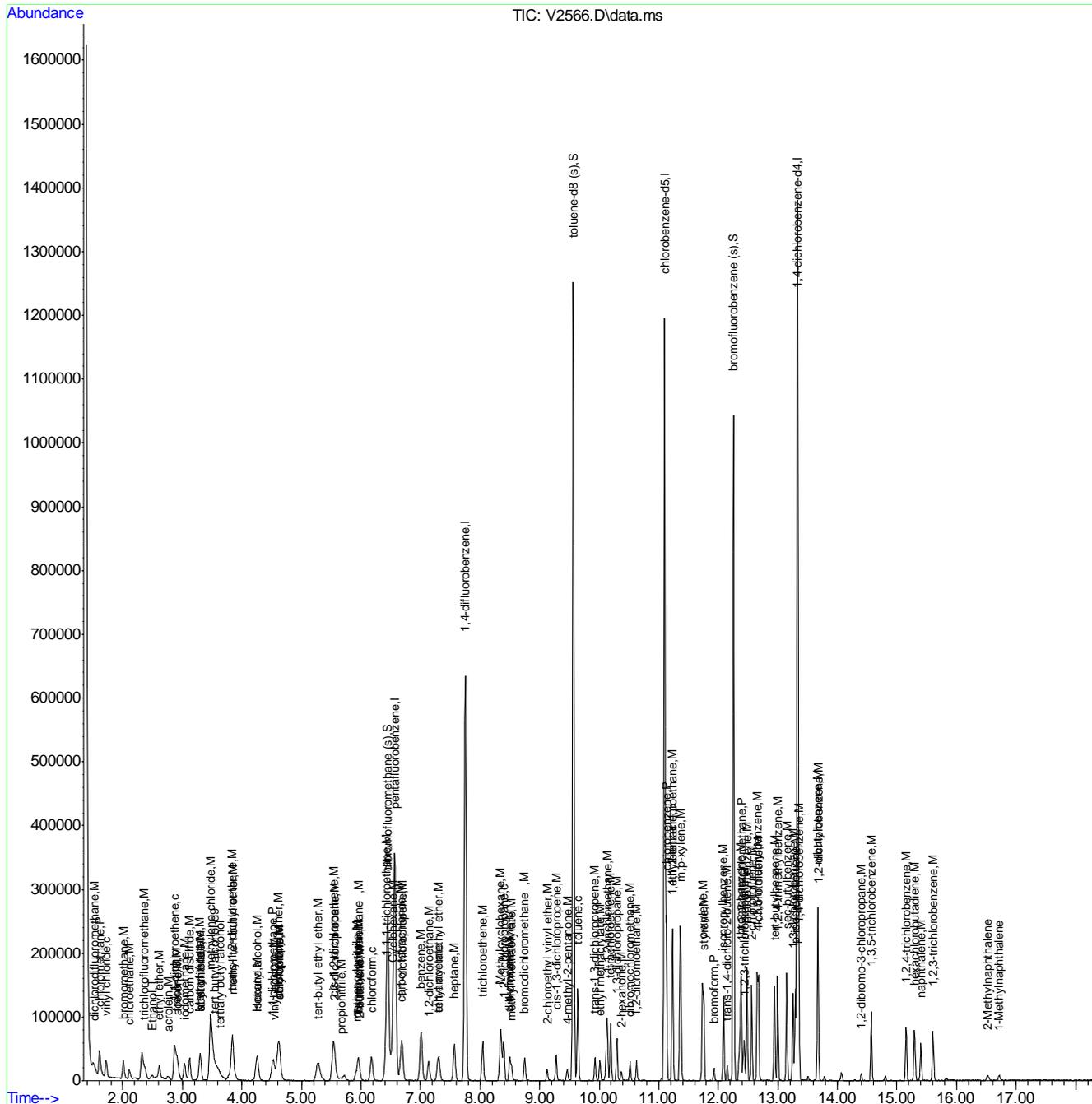
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 45505 | 4.77 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.293 | 119 | 67480 | 4.16 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.352 | 146 | 49570 | 5.16 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 45108 | 5.14 | ug/L | 96 |
| 97) n-butylbenzene | 13.667 | 91 | 76762 | 4.51 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropr... | 14.400 | 75 | 2350m | 2.23 | ug/L | |
| 99) 1,3,5-trichlorobenzene | 14.568 | 180 | 29064 | 4.16 | ug/L | 92 |
| 100) 1,2,4-trichlorobenzene | 15.154 | 180 | 23530 | 3.70 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.294 | 225 | 15132 | 4.23 | ug/L | 95 |
| 102) naphthalene | 15.401 | 128 | 43188 | 2.75 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.606 | 180 | 24978 | 4.08 | ug/L | 93 |
| 104) 2-Methylnaphthalene | 16.525 | 142 | 6706 | 0.84 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.716 | 142 | 6504 | 0.93 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:38:07 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

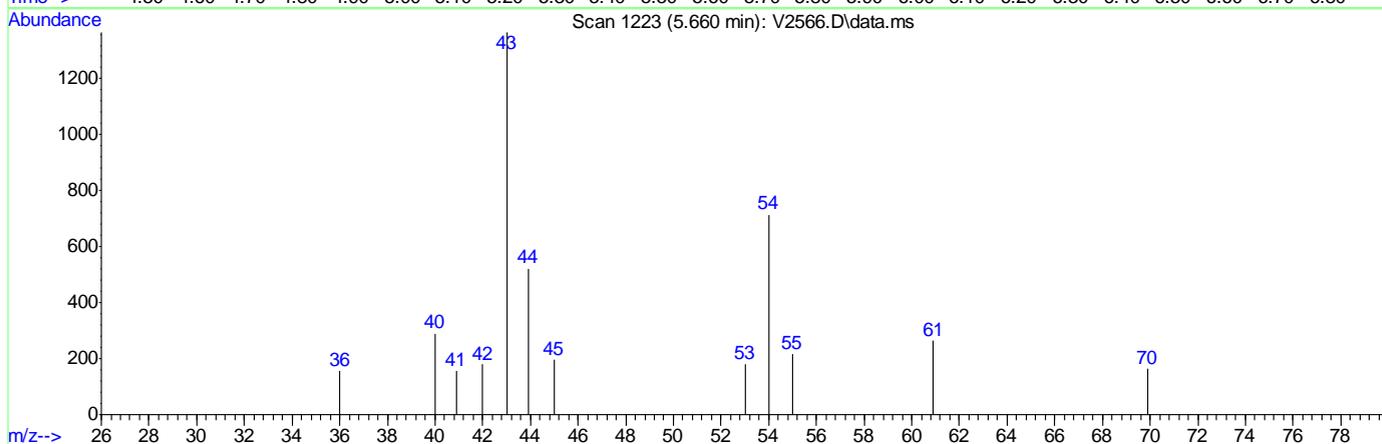
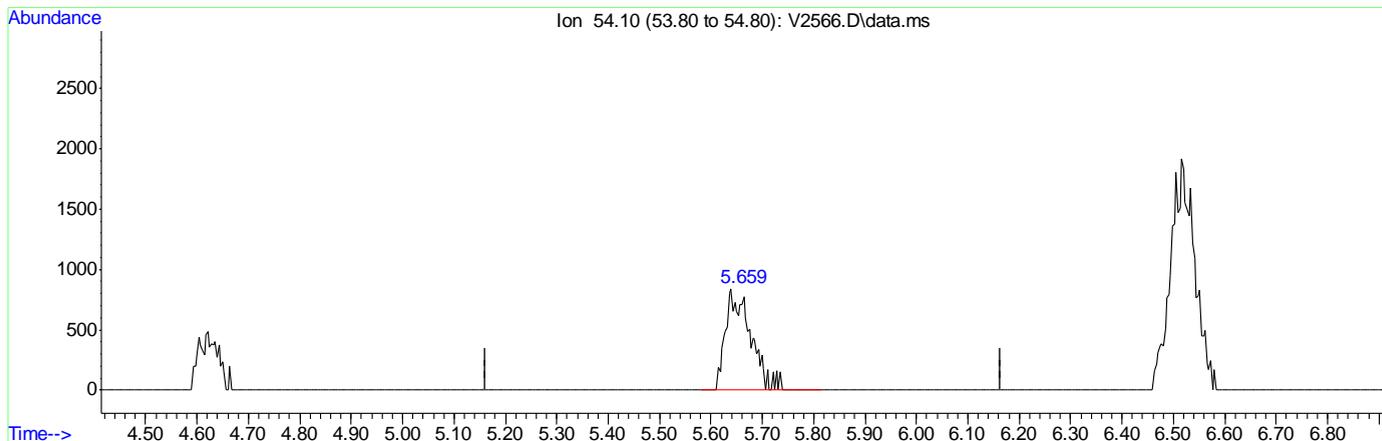


6.6.14
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



TIC: V2566.D\data.ms

(25) propionitrile (M)

5.660min (-0.003) 4.10ug/L m

response 2835

| Ion | Exp% | Act% |
|-------|------|------|
| 54.10 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

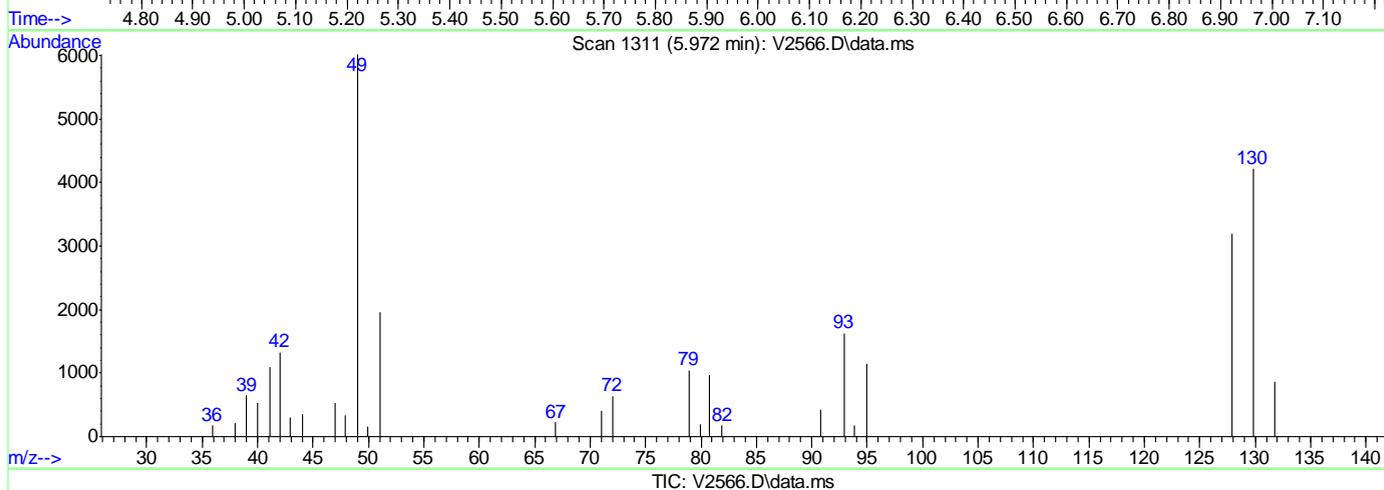
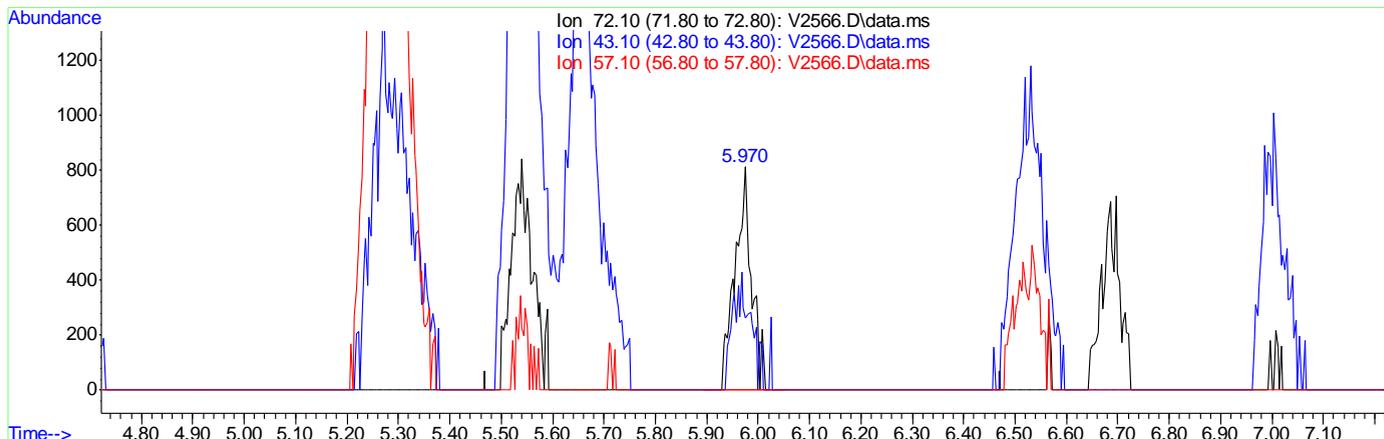
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.14.2

6



(30) 2-butanone (M)
 5.972min (-0.000) 3.21ug/L m
 response 1828

| Ion | Exp% | Act% |
|-------|-------|-------|
| 72.10 | 100 | 100 |
| 43.10 | 39.70 | 46.65 |
| 57.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

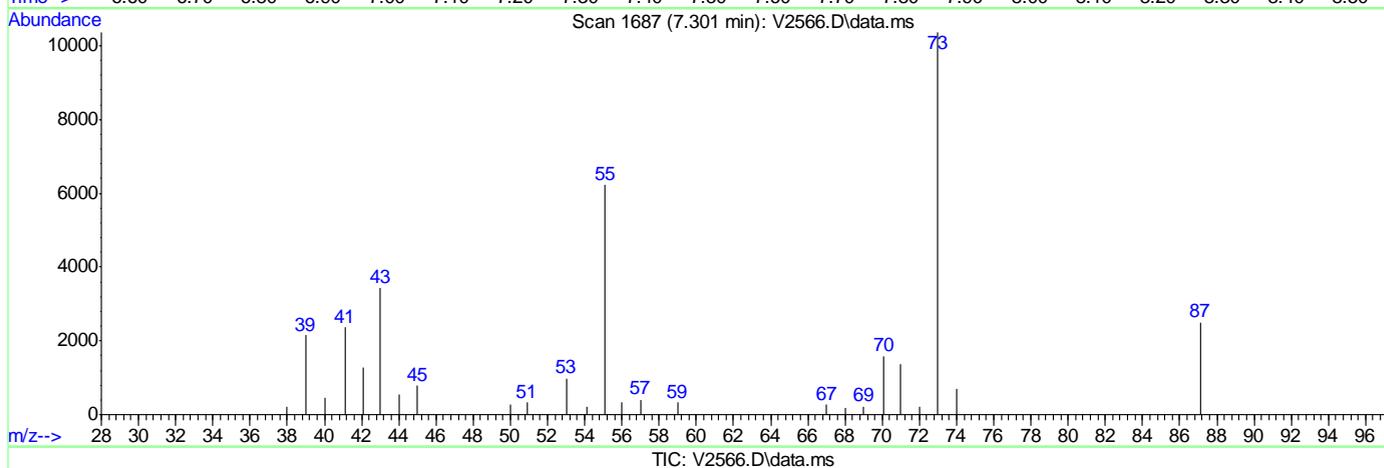
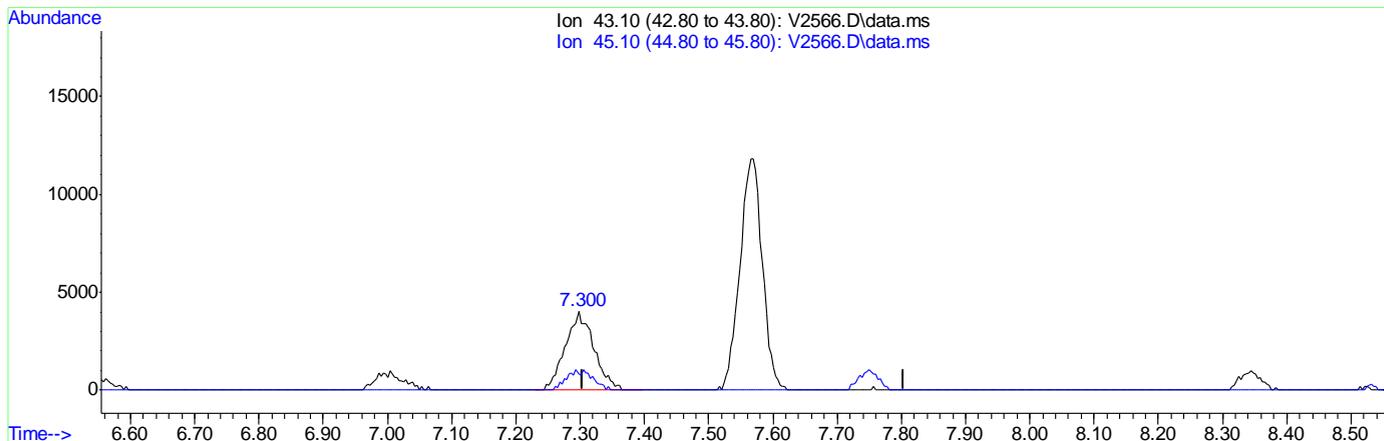
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6:14.3

6



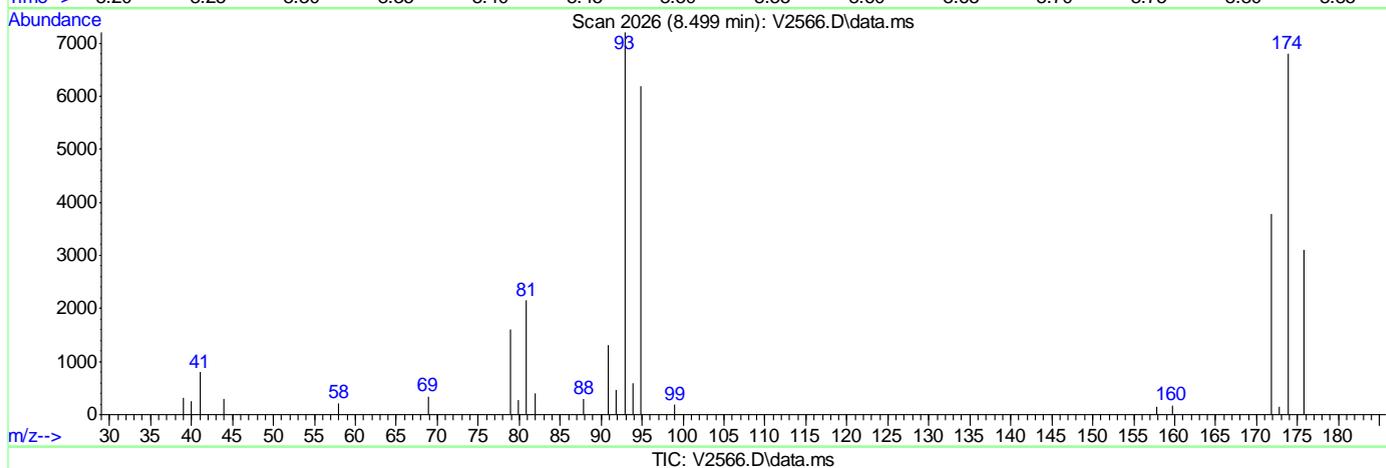
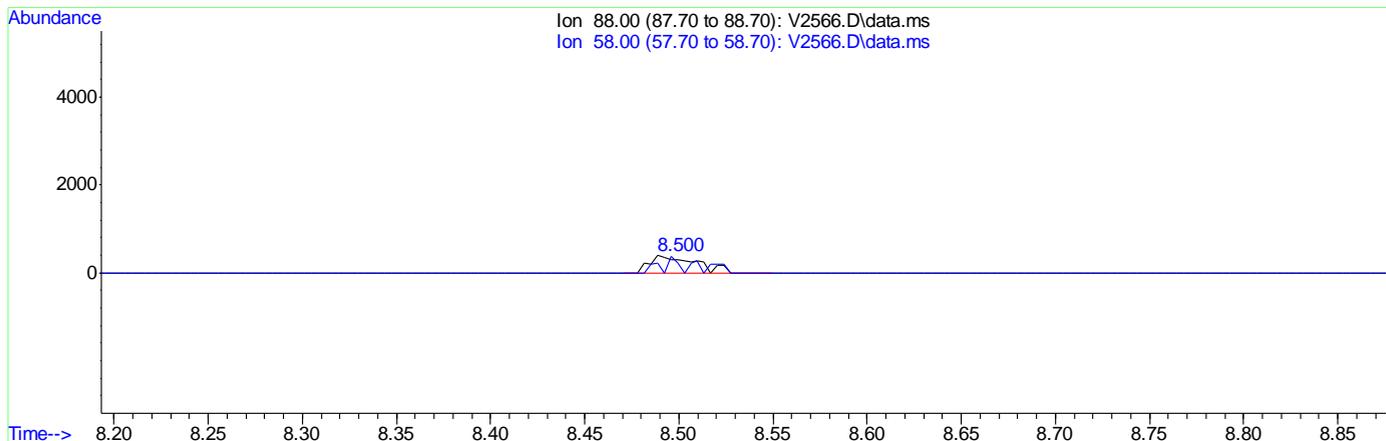
(37) ethyl acetate
 7.301min (-0.004) 3.40ug/L m
 response 12066

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(58) 1,4-dioxane (M)

8.499min (-0.022) 12.42ug/L m

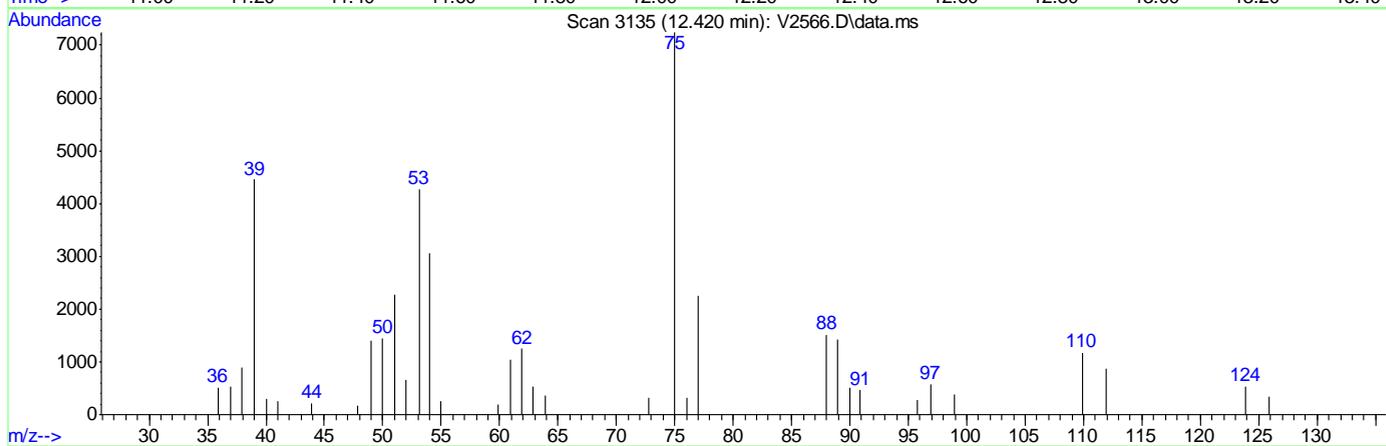
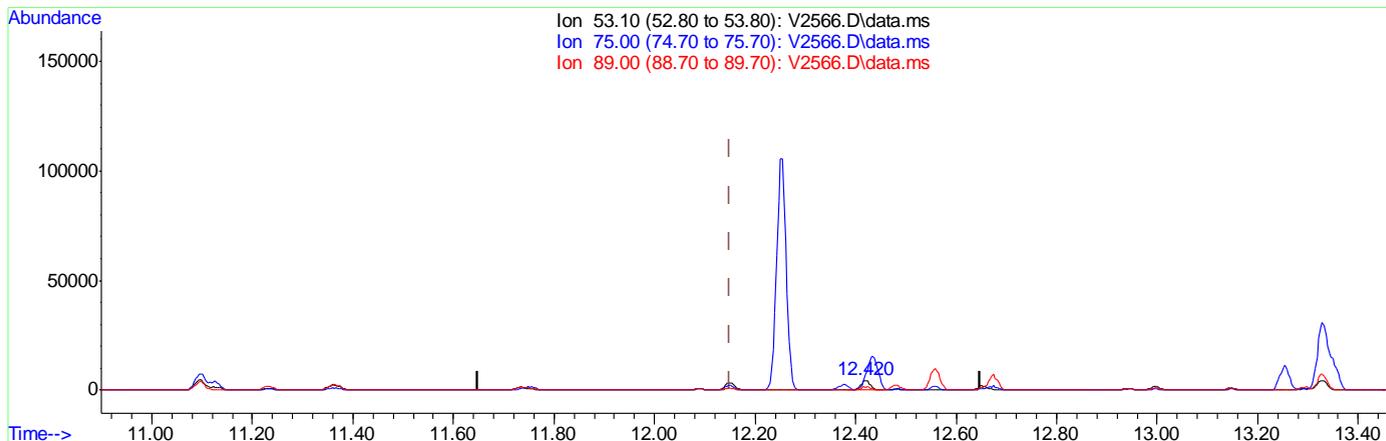
response 647

| Ion | Exp% | Act% |
|-------|-------|-------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 75.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



TIC: V2566.D\data.ms

(79) trans-1,4-dichloro-2-butene (M)

12.420min (+0.271) 3.83ug/L

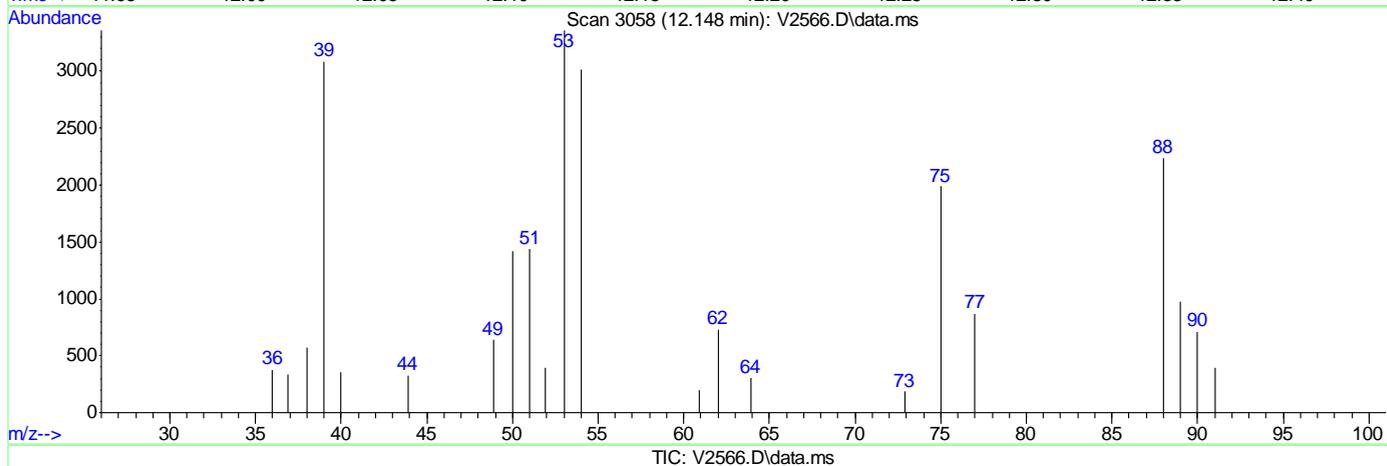
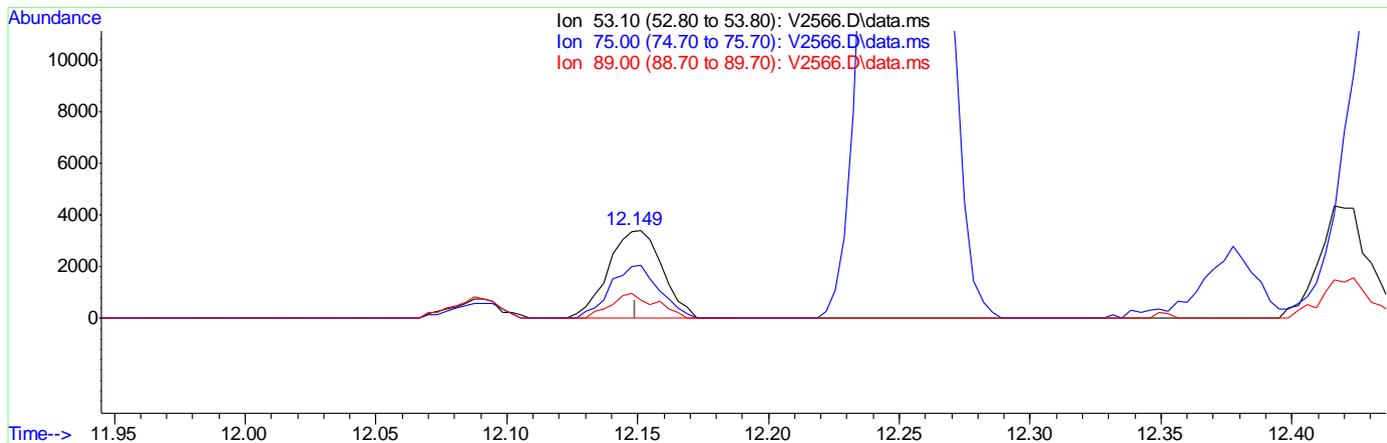
response 5718

| Ion | Exp% | Act% |
|-------|--------|---------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 136.65# |
| 89.00 | 49.90 | 33.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(79) trans-1,4-dichloro-2-butene (M)

12.148min (-0.002) 3.25ug/L m

response 4854

| Ion | Exp% | Act% |
|-------|--------|--------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 59.15# |
| 89.00 | 49.90 | 29.18 |
| 0.00 | 0.00 | 0.00 |

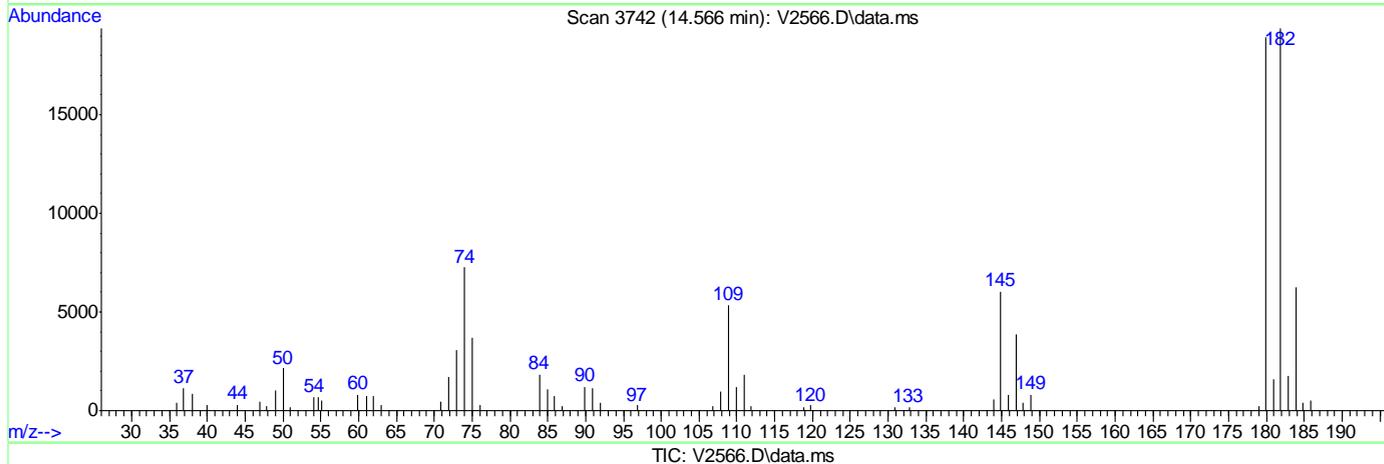
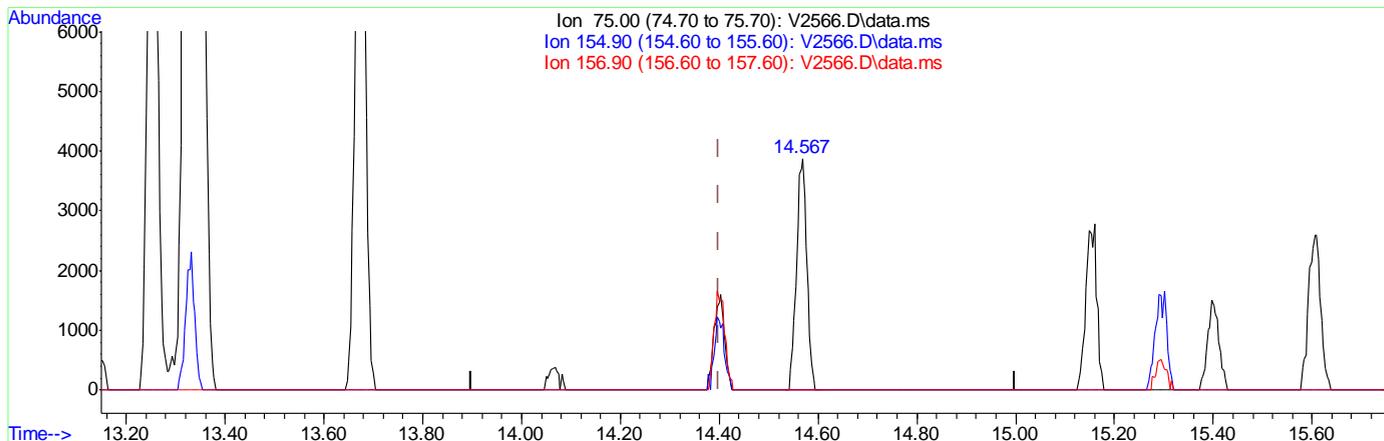
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.14.7

6



(98) 1,2-dibromo-3-chloropropane (M)

14.567min (+0.168) 5.37ug/L

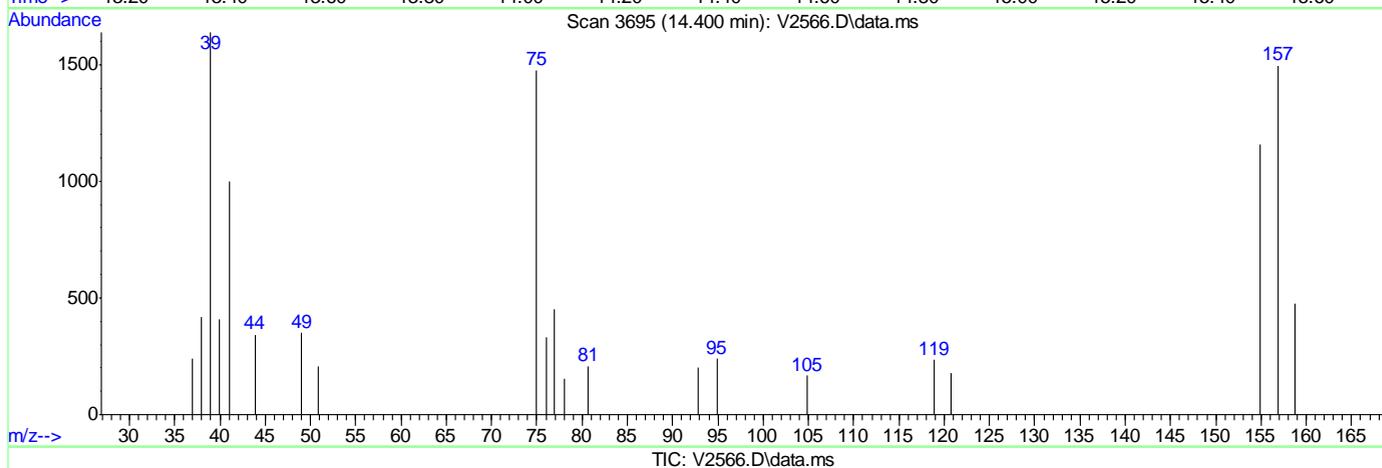
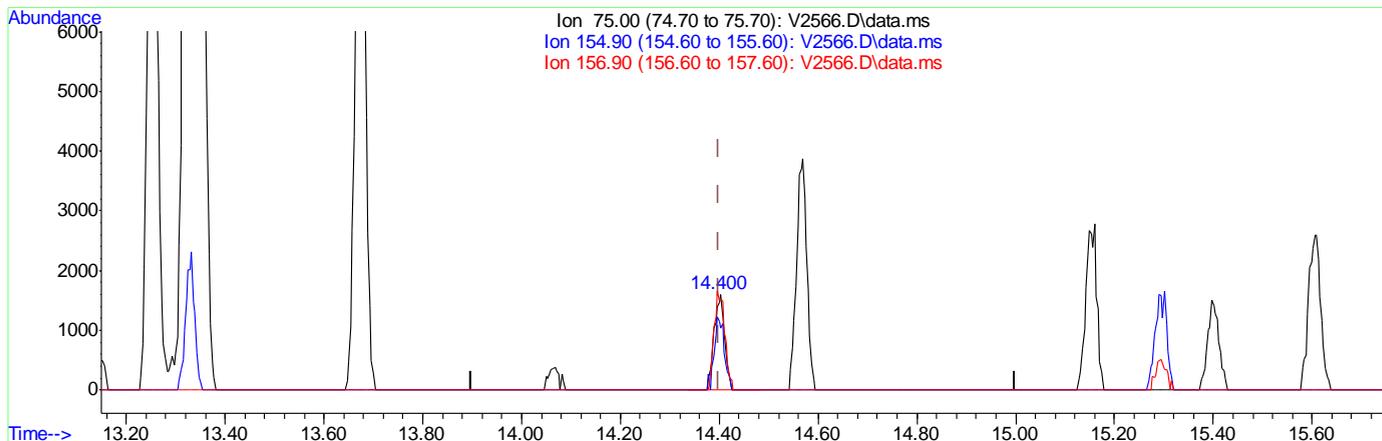
response 5666

| Ion | Exp% | Act% |
|--------|--------|-------|
| 75.00 | 100 | 100 |
| 154.90 | 90.20 | 0.00# |
| 156.90 | 120.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2566.D
 Acq On : 15 Oct 2011 2:55 pm
 Operator : AMYM
 Sample : ic112-5
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 07:29:43 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(98) 1,2-dibromo-3-chloropropane (M)

14.400min (+0.000) 2.23ug/L m

response 2350

| Ion | Exp% | Act% |
|--------|--------|--------|
| 75.00 | 100 | 100 |
| 154.90 | 90.20 | 78.58 |
| 156.90 | 120.30 | 101.29 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:39:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.531 | 65 | 128840 | 500.00 | ug/L | #-0.02 | |
| 4) pentafluorobenzene | 6.565 | 168 | 342467 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.750 | 114 | 580026 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.096 | 82 | 311870 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.329 | 152 | 288684 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.446 | 113 | 208176 | 50.67 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.34% | |
| 60) toluene-d8 (s) | 9.564 | 98 | 740134 | 50.32 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.64% | |
| 82) bromofluorobenzene (s) | 12.253 | 95 | 279533 | 50.76 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.52% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.634 | 59 | 25214 | 78.46 | ug/L | | 98 |
| 3) Ethanol | 2.495 | 45 | 14315 | 1074.67 | ug/L | # | 76 |
| 5) dichlorodifluoromethane | 1.518 | 85 | 53414 | 8.92 | ug/L | | 97 |
| 6) chloromethane | 1.607 | 50 | 45694 | 8.84 | ug/L | | 95 |
| 7) vinyl chloride | 1.720 | 62 | 49437 | 8.29 | ug/L | | 98 |
| 8) bromomethane | 2.007 | 96 | 26306 | 8.57 | ug/L | | 99 |
| 9) chloroethane | 2.110 | 64 | 22044 | 8.83 | ug/L | | 99 |
| 10) ethyl ether | 2.610 | 59 | 25913 | 9.09 | ug/L | | 99 |
| 11) acetonitrile | 3.296 | 41 | 52006 | 7.30 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.351 | 101 | 62742 | 9.15 | ug/L | | 93 |
| 13) freon-113 | 2.903 | 101 | 42825 | 8.99 | ug/L | | 85 |
| 14) acrolein | 2.762 | 56 | 8992 | 39.17 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.867 | 96 | 34221 | 8.18 | ug/L | | 92 |
| 16) acetone | 2.918 | 43 | 17131 | 14.64 | ug/L | | 97 |
| 17) Methyl Acetate | 3.288 | 43 | 41295 | 9.04 | ug/L | | 93 |
| 18) methylene chloride | 3.468 | 84 | 62257 | 12.28 | ug/L | | 86 |
| 19) methyl tert butyl ether | 3.842 | 73 | 78922 | 6.82 | ug/L | | 88 |
| 20) acrylonitrile | 4.625 | 53 | 51909 | 38.45 | ug/L | | 99 |
| 21) allyl chloride | 3.296 | 41 | 52006 | 7.30 | ug/L | | 88 |
| 22) trans-1,2-dichloroethene | 3.837 | 96 | 39613 | 8.54 | ug/L | | 97 |
| 23) iodomethane | 3.035 | 142 | 60818 | 7.74 | ug/L | | 96 |
| 24) carbon disulfide | 3.119 | 76 | 101128 | 6.16 | ug/L | | 99 |
| 25) propionitrile | 5.658 | 54 | 5455 | 8.18 | ug/L | | 100 |
| 26) vinyl acetate | 4.546 | 43 | 66019 | 6.76 | ug/L | | 95 |
| 27) chloroprene | 4.625 | 53 | 51909 | 7.69 | ug/L | | 92 |
| 28) di-isopropyl ether | 4.610 | 45 | 119621 | 8.11 | ug/L | | 92 |
| 29) methacrylonitrile | 5.931 | 41 | 22918 | 7.47 | ug/L | | 98 |
| 30) 2-butanone | 5.968 | 72 | 3621m | 6.60 | ug/L | | |
| 31) Hexane | 4.252 | 41 | 39022 | 9.13 | ug/L | | 97 |
| 32) 1,1-dichloroethane | 4.513 | 63 | 71352 | 8.07 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.281 | 59 | 77185 | 6.01 | ug/L | | 91 |
| 34) isobutyl alcohol | 4.252 | 43 | 33231 | 42.33 | ug/L | | 94 |
| 35) 2,2-dichloropropane | 5.551 | 77 | 38312 | 6.06 | ug/L | | 95 |
| 36) cis-1,2-dichloroethene | 5.536 | 96 | 43380 | 8.16 | ug/L | | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:39:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.297 | 43 | 21409m | 6.25 | ug/L | |
| 38) bromochloromethane | 5.957 | 128 | 19933 | 8.09 | ug/L # | 75 |
| 39) chloroform | 6.175 | 83 | 73384 | 8.35 | ug/L | 97 |
| 41) Tetrahydrofuran | 5.968 | 42 | 9188 | 7.30 | ug/L | 93 |
| 42) 1,1,1-trichloroethane | 6.417 | 97 | 50907 | 6.97 | ug/L | 92 |
| 44) Cyclohexane | 6.526 | 56 | 71789 | 8.36 | ug/L | 96 |
| 45) carbon tetrachloride | 6.670 | 117 | 44408 | 6.47 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.688 | 75 | 54081 | 8.07 | ug/L | 94 |
| 47) benzene | 7.007 | 78 | 159140 | 8.27 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.135 | 62 | 54937 | 8.85 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.299 | 73 | 63131 | 5.47 | ug/L | 90 |
| 50) heptane | 7.566 | 43 | 52473 | 8.07 | ug/L | 90 |
| 51) trichloroethene | 8.041 | 95 | 39149 | 7.71 | ug/L | 96 |
| 52) 1,2-dichloropropane | 8.392 | 63 | 43094 | 7.97 | ug/L | 100 |
| 53) dibromomethane | 8.495 | 93 | 25417 | 7.72 | ug/L | 91 |
| 54) bromodichloromethane | 8.747 | 83 | 37827 | 5.61 | ug/L | 99 |
| 55) Methylcyclohexane | 8.344 | 83 | 60443 | 7.11 | ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 9.125 | 63 | 14759 | 4.98 | ug/L # | 45 |
| 57) methyl methacrylate | 8.529 | 69 | 18777 | 5.90 | ug/L | 85 |
| 58) 1,4-dioxane | 8.503 | 88 | 1363m | 26.96 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.276 | 75 | 41329 | 5.07 | ug/L | 96 |
| 61) 4-methyl-2-pentanone | 9.465 | 43 | 24465 | 5.76 | ug/L # | 84 |
| 62) toluene | 9.640 | 92 | 97339 | 8.21 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 9.929 | 75 | 30600 | 4.56 | ug/L | 86 |
| 64) 1,1,2-trichloroethane | 10.134 | 83 | 30622 | 8.06 | ug/L | 93 |
| 65) ethyl methacrylate | 10.014 | 69 | 32516 | 5.14 | ug/L | 87 |
| 67) tetrachloroethene | 10.192 | 166 | 39433 | 8.43 | ug/L | 98 |
| 68) 1,3-dichloropropane | 10.298 | 76 | 58220 | 8.17 | ug/L | 96 |
| 69) dibromochloromethane | 10.517 | 129 | 23413 | 4.89 | ug/L | 93 |
| 70) 1,2-dibromoethane | 10.627 | 107 | 30754 | 7.26 | ug/L | 99 |
| 71) 2-hexanone | 10.375 | 43 | 19147 | 6.55 | ug/L | 89 |
| 72) chlorobenzene | 11.125 | 112 | 107510 | 9.22 | ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 11.225 | 131 | 29489 | 6.93 | ug/L | 94 |
| 74) ethylbenzene | 11.231 | 91 | 176012 | 8.79 | ug/L | 100 |
| 75) m,p-xylene | 11.363 | 106 | 127473 | 17.16 | ug/L | 94 |
| 76) o-xylene | 11.733 | 106 | 56222 | 7.23 | ug/L | 98 |
| 77) styrene | 11.754 | 104 | 95899 | 7.23 | ug/L | 99 |
| 78) bromoform | 11.927 | 173 | 12813 | 3.80 | ug/L | 93 |
| 79) trans-1,4-dichloro-2-b... | 12.148 | 53 | 9622m | 6.66 | ug/L | |
| 81) isopropylbenzene | 12.088 | 105 | 125600 | 6.90 | ug/L | 95 |
| 83) bromobenzene | 12.378 | 156 | 42405 | 8.04 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 48005 | 8.32 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 12.433 | 75 | 41957 | 6.30 | ug/L | 90 |
| 86) n-propylbenzene | 12.480 | 91 | 204543 | 8.56 | ug/L | 97 |
| 87) 2-chlorotoluene | 12.558 | 91 | 123349 | 8.26 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.672 | 91 | 144200 | 8.64 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.653 | 105 | 132167 | 7.71 | ug/L | 97 |
| 90) tert-butylbenzene | 12.942 | 91 | 74720 | 7.28 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 12.997 | 105 | 133934 | 7.77 | ug/L | 96 |
| 92) sec-butylbenzene | 13.148 | 105 | 174466 | 7.86 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:39:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

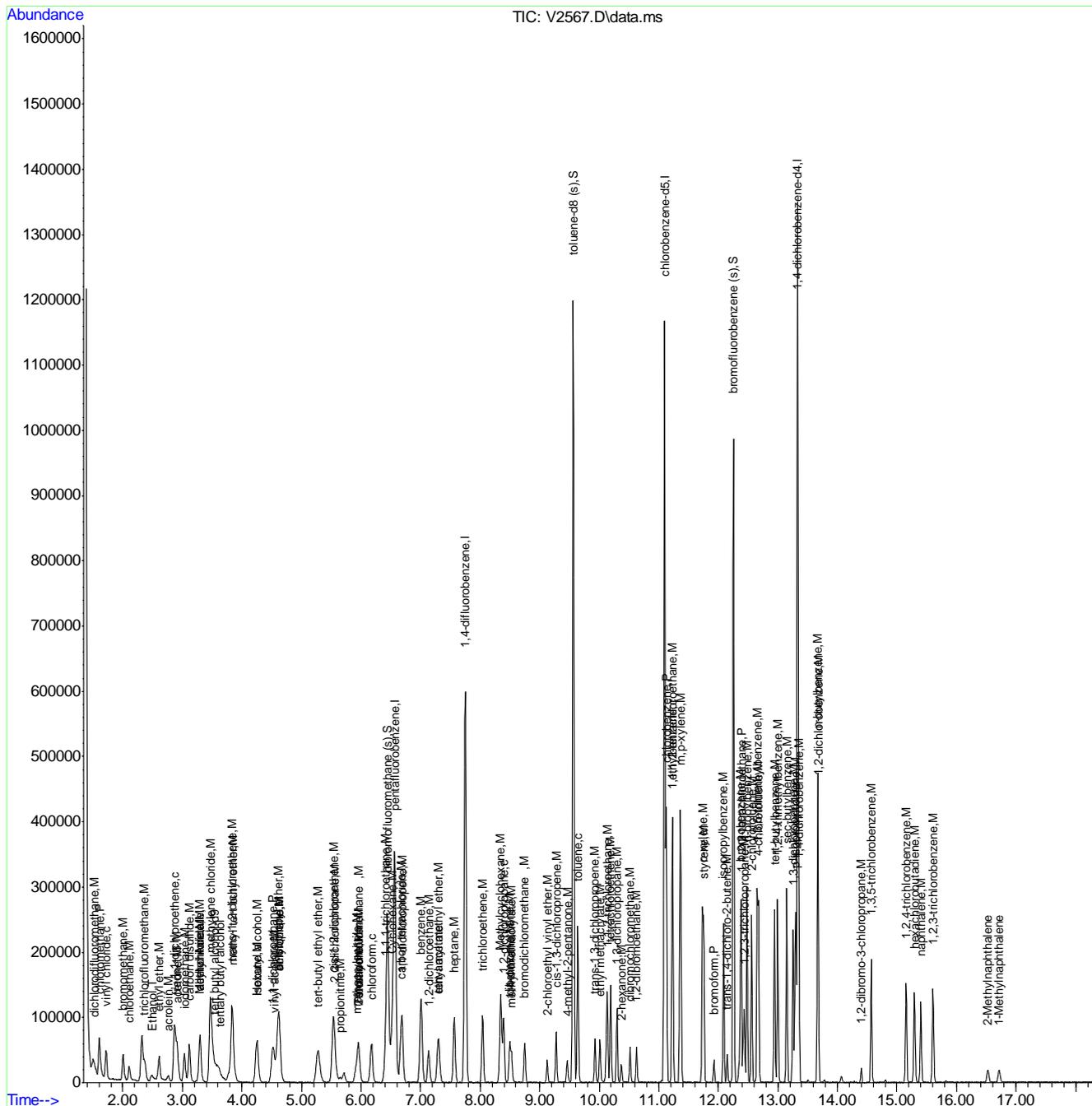
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 78503 | 8.32 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.293 | 119 | 121609 | 7.57 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.352 | 146 | 81935 | 8.63 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 76813 | 8.85 | ug/L | 98 |
| 97) n-butylbenzene | 13.667 | 91 | 139500 | 8.28 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropr... | 14.400 | 75 | 4708m | 4.51 | ug/L | |
| 99) 1,3,5-trichlorobenzene | 14.568 | 180 | 51197 | 7.41 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 43192 | 6.86 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.293 | 225 | 26968 | 7.61 | ug/L | 97 |
| 102) naphthalene | 15.401 | 128 | 90549 | 5.83 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.605 | 180 | 44083 | 7.28 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.525 | 142 | 14808 | 1.87 | ug/L | 95 |
| 105) 1-Methylnaphthalene | 16.715 | 142 | 14540 | 2.11 | ug/L | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:39:41 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



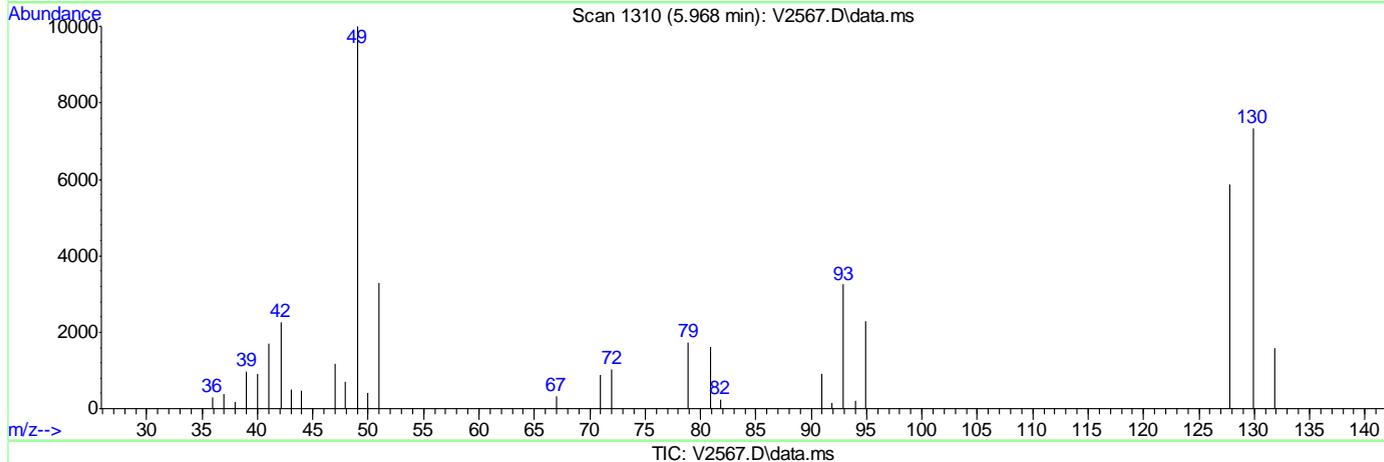
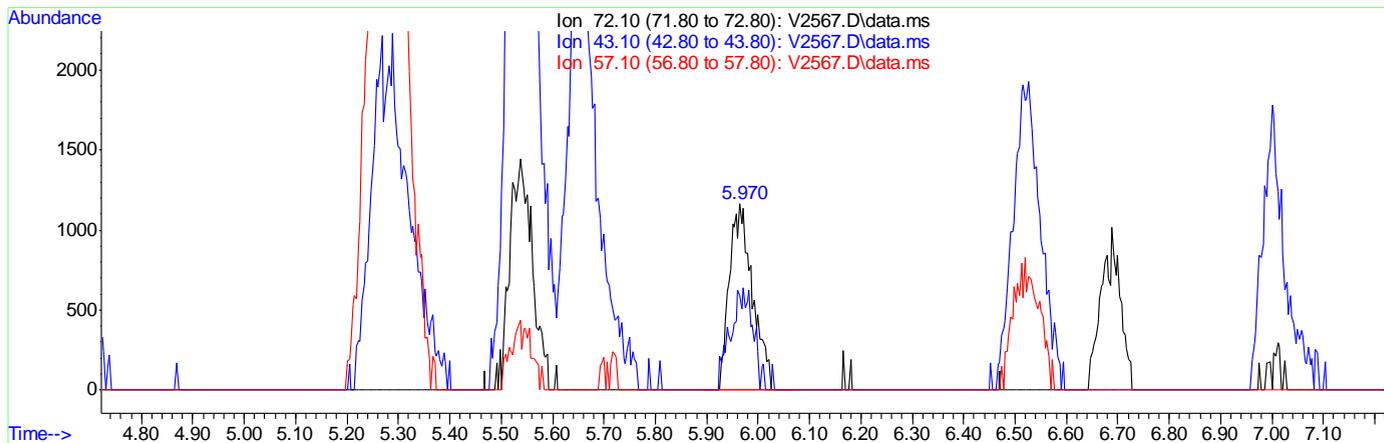
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.1

6



(30) 2-butanone (M)
 5.968min (-0.004) 6.60ug/L m
 response 3621

| Ion | Exp% | Act% |
|-------|-------|-------|
| 72.10 | 100 | 100 |
| 43.10 | 39.70 | 48.46 |
| 57.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

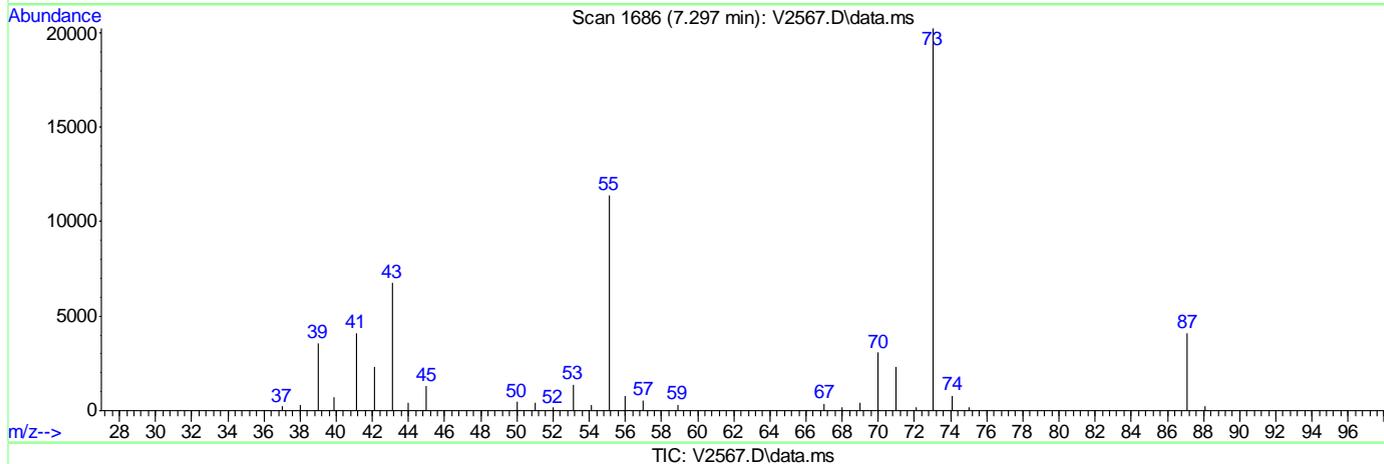
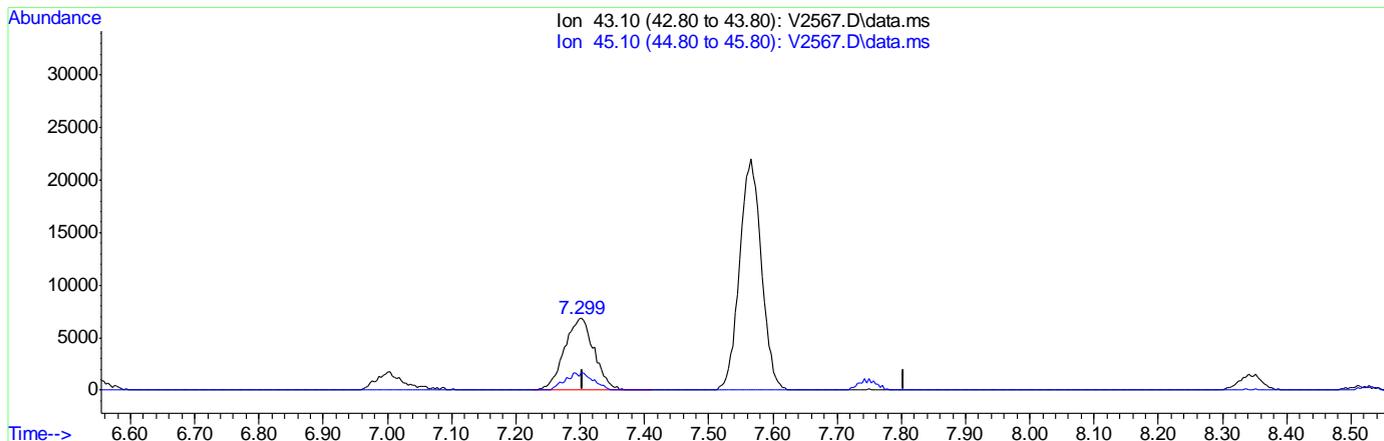
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6:15.2

6



(37) ethyl acetate
 7.297min (-0.007) 6.25ug/L m
 response 21409

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

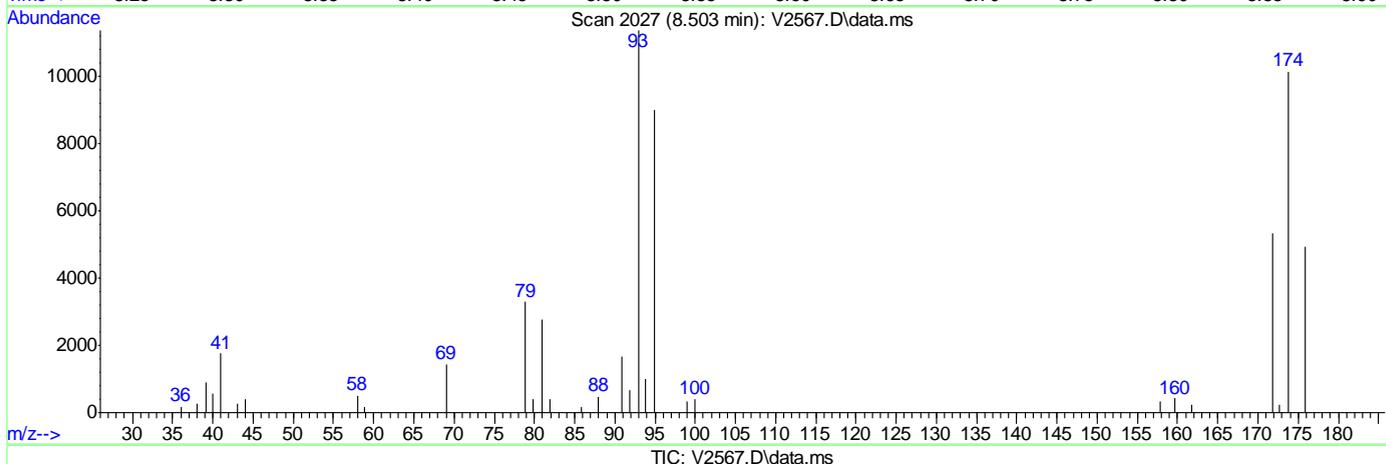
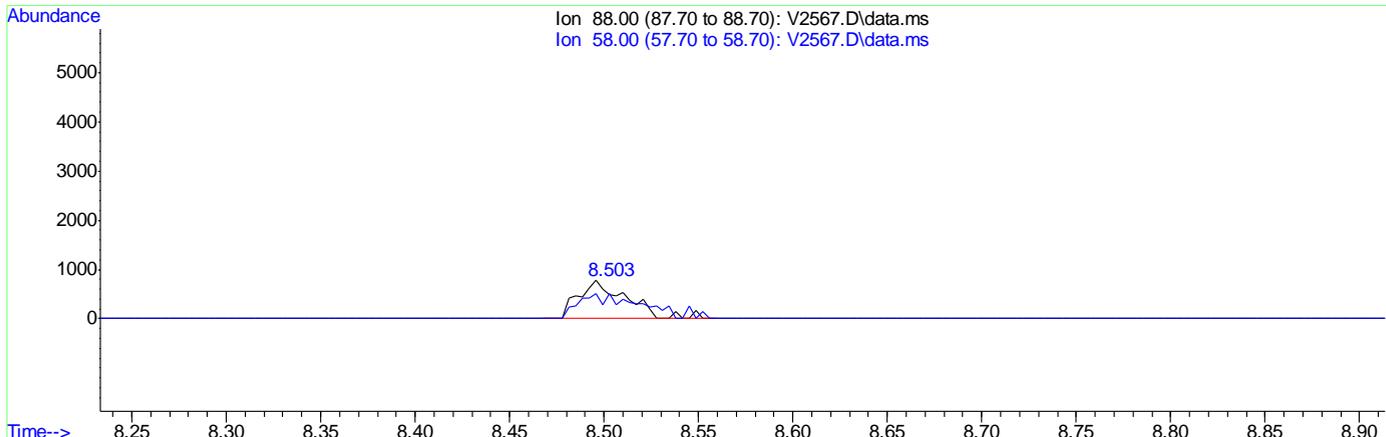
Quantitation Report (Qedit)

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 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.3

6



(58) 1,4-dioxane (M)
 8.503min (-0.018) 26.96ug/L m
 response 1363

| Ion | Exp% | Act% |
|-------|-------|---------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 105.86# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

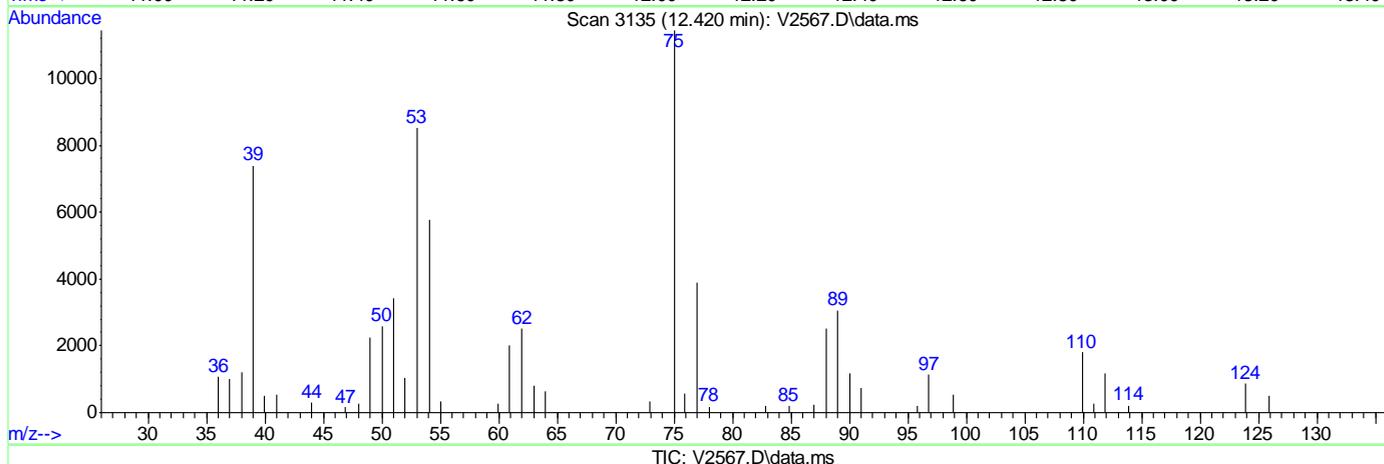
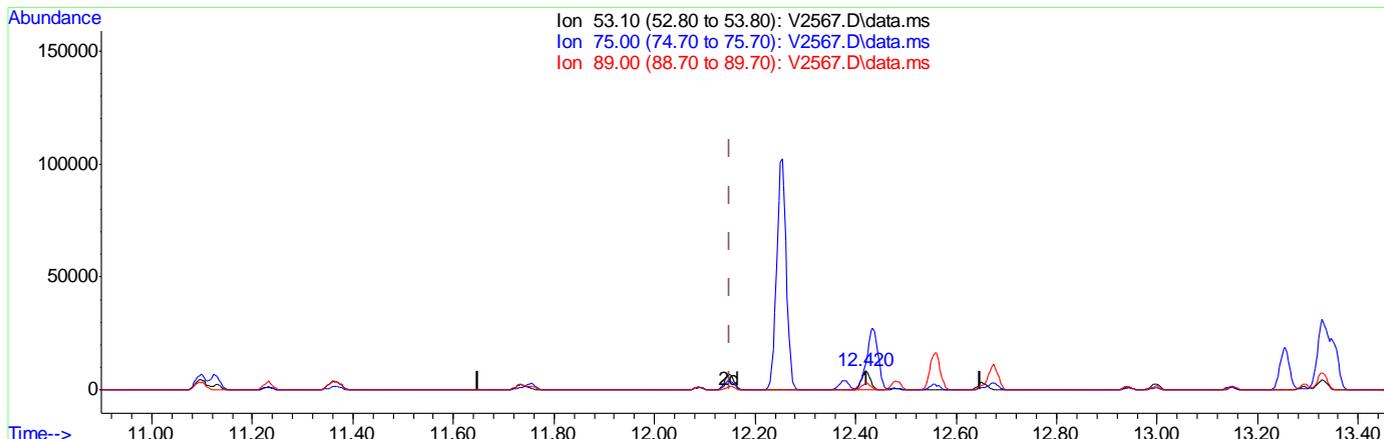
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.4

6



(79) trans-1,4-dichloro-2-butene (M)

12.420min (+0.271) 7.38ug/L

response 10662

| Ion | Exp% | Act% |
|-------|--------|--------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 105.11 |
| 89.00 | 49.90 | 35.92 |
| 0.00 | 0.00 | 0.00 |

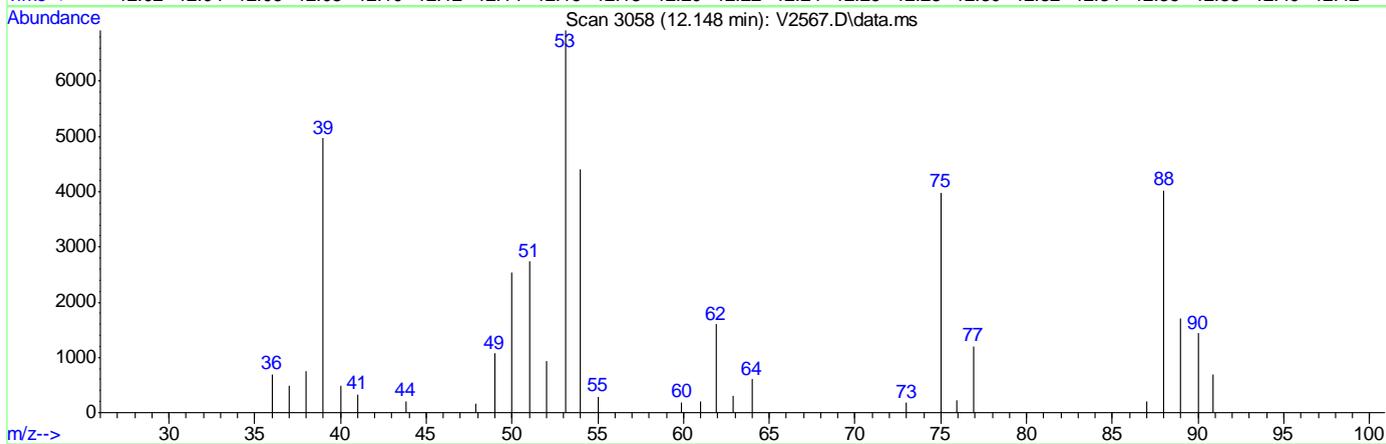
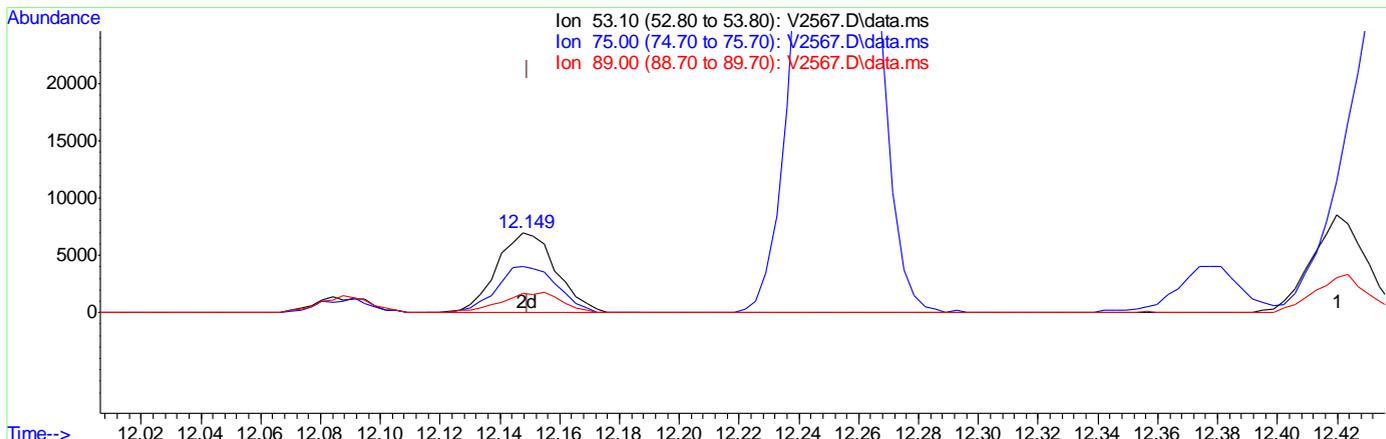
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.5

6



(79) trans-1,4-dichloro-2-butene (M)

12.148min (-0.002) 6.66ug/L m

response 9622

| Ion | Exp% | Act% |
|-------|--------|--------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 57.59# |
| 89.00 | 49.90 | 24.64 |
| 0.00 | 0.00 | 0.00 |

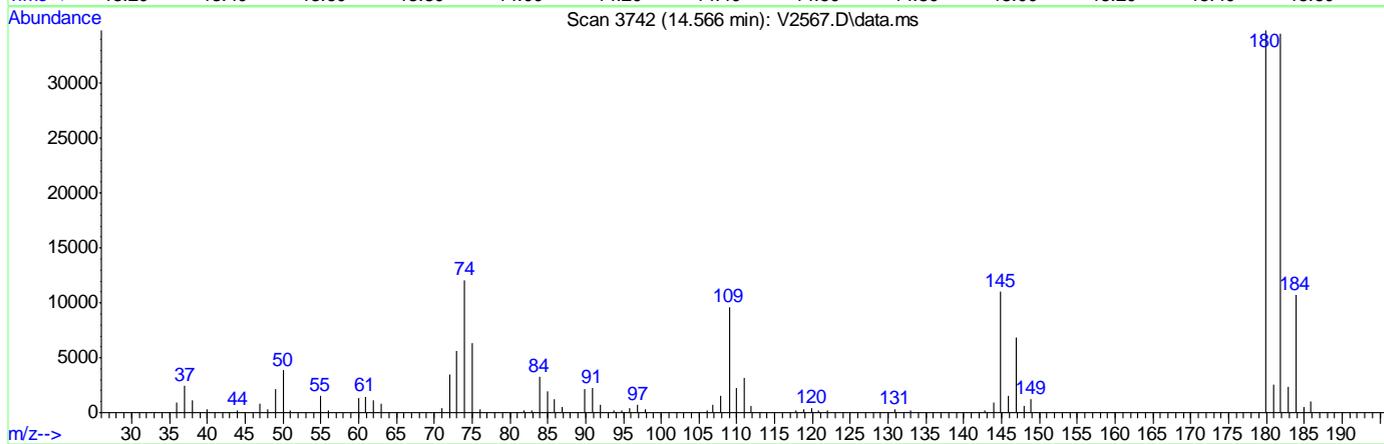
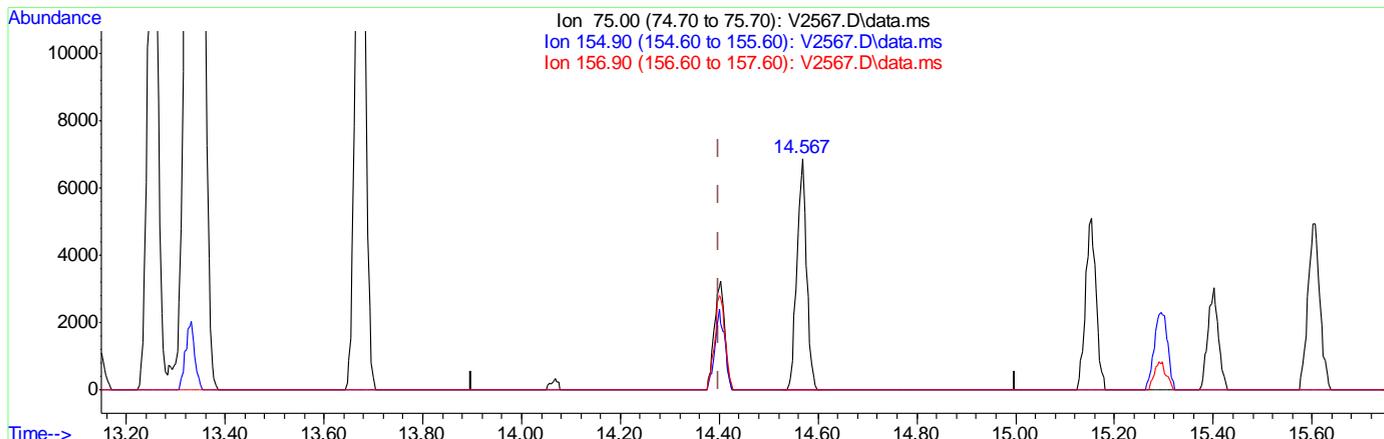
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.6

6



(98) 1,2-dibromo-3-chloropropane (M)

14.567min (+0.168) 9.03ug/L

response 9420

| Ion | Exp% | Act% |
|--------|--------|-------|
| 75.00 | 100 | 100 |
| 154.90 | 90.20 | 0.00# |
| 156.90 | 120.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

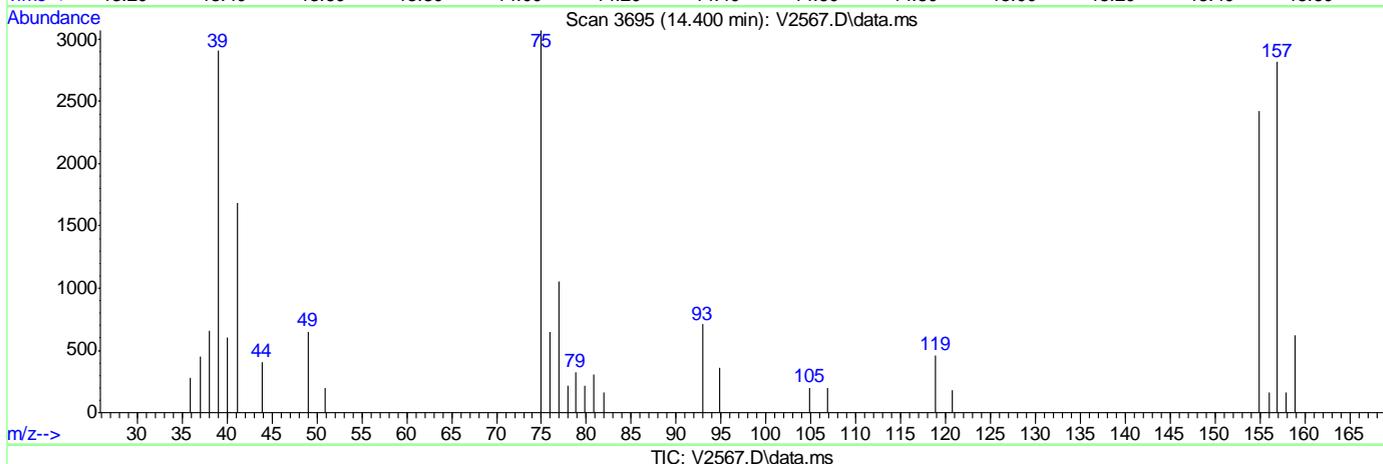
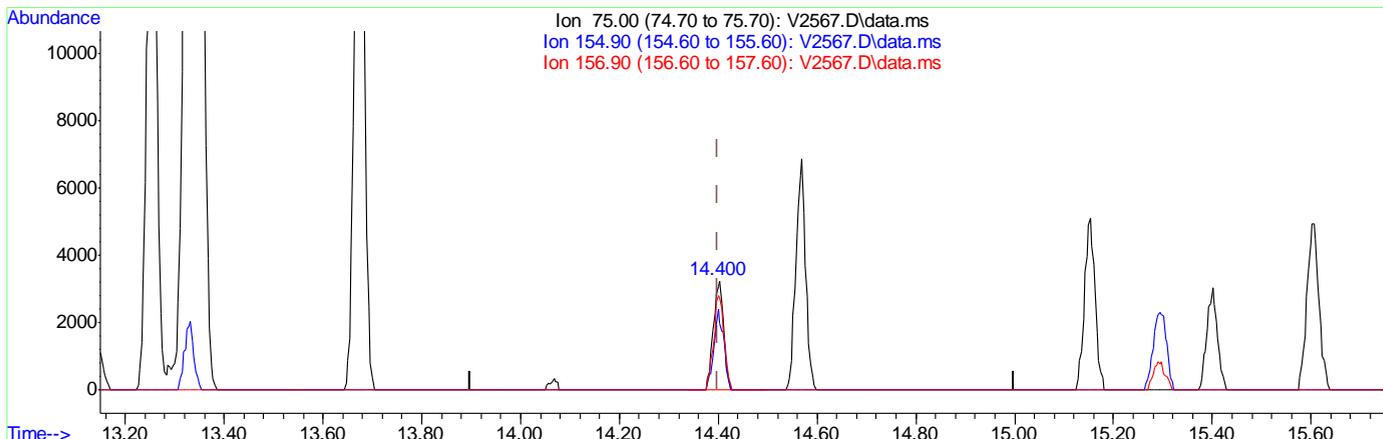
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2567.D
 Acq On : 15 Oct 2011 3:26 pm
 Operator : AMYM
 Sample : ic112-10
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 16 07:29:45 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.15.7

6



(98) 1,2-dibromo-3-chloropropane (M)

14.400min (+0.000) 4.51ug/L m

response 4708

| Ion | Exp% | Act% |
|--------|--------|-------|
| 75.00 | 100 | 100 |
| 154.90 | 90.20 | 78.87 |
| 156.90 | 120.30 | 91.73 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2568.D
 Acq On : 15 Oct 2011 3:56 pm
 Operator : AMYM
 Sample : ic112-20
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:40:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.532 | 65 | 141350 | 500.00 | ug/L | #-0.02 | |
| 4) pentafluorobenzene | 6.561 | 168 | 353037 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.747 | 114 | 591560 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.095 | 82 | 318767 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.329 | 152 | 288582 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.441 | 113 | 215246 | 50.82 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.64% | |
| 60) toluene-d8 (s) | 9.563 | 98 | 760424 | 50.70 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.40% | |
| 82) bromofluorobenzene (s) | 12.252 | 95 | 288258 | 52.36 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.72% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.636 | 59 | 62932 | 178.50 | ug/L | | 84 |
| 3) Ethanol | 2.498 | 45 | 33168 | 2269.65 | ug/L | # | 75 |
| 5) dichlorodifluoromethane | 1.512 | 85 | 114702 | 18.59 | ug/L | | 98 |
| 6) chloromethane | 1.605 | 50 | 102346 | 19.21 | ug/L | | 97 |
| 7) vinyl chloride | 1.718 | 62 | 113900 | 18.52 | ug/L | | 94 |
| 8) bromomethane | 2.001 | 96 | 52638 | 16.64 | ug/L | | 98 |
| 9) chloroethane | 2.104 | 64 | 46153 | 17.94 | ug/L | | 94 |
| 10) ethyl ether | 2.604 | 59 | 58146 | 19.79 | ug/L | | 98 |
| 11) acetonitrile | 3.291 | 41 | 128313 | 17.47 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.346 | 101 | 136731 | 19.34 | ug/L | | 93 |
| 13) freon-113 | 2.897 | 101 | 97482 | 19.85 | ug/L | | 92 |
| 14) acrolein | 2.757 | 56 | 21683 | 91.62 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.862 | 96 | 79799 | 18.50 | ug/L | | 95 |
| 16) acetone | 2.912 | 43 | 32251 | 26.73 | ug/L | | 97 |
| 17) Methyl Acetate | 3.284 | 43 | 99641 | 21.16 | ug/L | # | 89 |
| 18) methylene chloride | 3.463 | 84 | 121322 | 23.21 | ug/L | | 83 |
| 19) methyl tert butyl ether | 3.838 | 73 | 192863 | 16.17 | ug/L | | 97 |
| 20) acrylonitrile | 4.619 | 53 | 127997 | 91.97 | ug/L | | 98 |
| 21) allyl chloride | 3.291 | 41 | 128313 | 17.47 | ug/L | | 88 |
| 22) trans-1,2-dichloroethene | 3.831 | 96 | 93937 | 19.64 | ug/L | | 95 |
| 23) iodomethane | 3.030 | 142 | 142812 | 17.64 | ug/L | | 99 |
| 24) carbon disulfide | 3.114 | 76 | 250770 | 14.81 | ug/L | | 99 |
| 25) propionitrile | 5.656 | 54 | 13028 | 18.94 | ug/L | | 100 |
| 26) vinyl acetate | 4.538 | 43 | 162410 | 16.12 | ug/L | | 98 |
| 27) chloroprene | 4.619 | 53 | 127997 | 18.39 | ug/L | | 94 |
| 28) di-isopropyl ether | 4.604 | 45 | 295606 | 19.45 | ug/L | | 94 |
| 29) methacrylonitrile | 5.927 | 41 | 58360 | 18.45 | ug/L | | 97 |
| 30) 2-butanone | 5.966 | 72 | 9205 | 16.27 | ug/L | | 59 |
| 31) Hexane | 4.246 | 41 | 88893 | 20.17 | ug/L | | 94 |
| 32) 1,1-dichloroethane | 4.507 | 63 | 169212 | 18.57 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.276 | 59 | 198902 | 15.03 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.246 | 43 | 79953 | 98.79 | ug/L | | 95 |
| 35) 2,2-dichloropropane | 5.547 | 77 | 95178 | 14.59 | ug/L | | 97 |
| 36) cis-1,2-dichloroethene | 5.531 | 96 | 102483 | 18.70 | ug/L | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2568.D
 Acq On : 15 Oct 2011 3:56 pm
 Operator : AMYM
 Sample : ic112-20
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:40:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.297 | 43 | 53909m | 15.27 | ug/L | |
| 38) bromochloromethane | 5.952 | 128 | 46399 | 18.27 | ug/L # | 77 |
| 39) chloroform | 6.171 | 83 | 169772 | 18.73 | ug/L | 97 |
| 41) Tetrahydrofuran | 5.964 | 42 | 24193 | 18.64 | ug/L | 83 |
| 42) 1,1,1-trichloroethane | 6.413 | 97 | 124974 | 16.60 | ug/L | 93 |
| 44) Cyclohexane | 6.519 | 56 | 166807 | 19.04 | ug/L | 92 |
| 45) carbon tetrachloride | 6.665 | 117 | 111074 | 15.88 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.684 | 75 | 128131 | 18.74 | ug/L | 98 |
| 47) benzene | 7.004 | 78 | 375745 | 19.16 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.131 | 62 | 125163 | 19.78 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.297 | 73 | 164266 | 13.95 | ug/L | 93 |
| 50) heptane | 7.562 | 43 | 126428 | 19.07 | ug/L | 95 |
| 51) trichloroethene | 8.038 | 95 | 91829 | 17.73 | ug/L | 93 |
| 52) 1,2-dichloropropane | 8.390 | 63 | 101265 | 18.37 | ug/L | 97 |
| 53) dibromomethane | 8.493 | 93 | 59476 | 17.72 | ug/L | 90 |
| 54) bromodichloromethane | 8.745 | 83 | 99337 | 14.44 | ug/L | 99 |
| 55) Methylcyclohexane | 8.342 | 83 | 150468 | 17.35 | ug/L | 93 |
| 56) 2-chloroethyl vinyl ether | 9.124 | 63 | 41960 | 13.90 | ug/L | 96 |
| 57) methyl methacrylate | 8.526 | 69 | 50286 | 15.48 | ug/L | 90 |
| 58) 1,4-dioxane | 8.510 | 88 | 3982m | 77.23 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.275 | 75 | 115854 | 13.94 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.463 | 43 | 69810 | 16.12 | ug/L | 93 |
| 62) toluene | 9.639 | 92 | 223735 | 18.50 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 9.929 | 75 | 86245 | 12.59 | ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.133 | 83 | 71307 | 18.41 | ug/L | 96 |
| 65) ethyl methacrylate | 10.012 | 69 | 95417 | 14.78 | ug/L | 91 |
| 67) tetrachloroethene | 10.191 | 166 | 90873 | 19.00 | ug/L | 94 |
| 68) 1,3-dichloropropane | 10.297 | 76 | 138510 | 19.01 | ug/L | 98 |
| 69) dibromochloromethane | 10.516 | 129 | 63574 | 13.00 | ug/L | 94 |
| 70) 1,2-dibromoethane | 10.626 | 107 | 77127 | 17.80 | ug/L | 99 |
| 71) 2-hexanone | 10.374 | 43 | 52828 | 17.69 | ug/L | 90 |
| 72) chlorobenzene | 11.124 | 112 | 248340 | 20.84 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.225 | 131 | 75339 | 17.33 | ug/L | 97 |
| 74) ethylbenzene | 11.231 | 91 | 422312 | 20.64 | ug/L | 99 |
| 75) m,p-xylene | 11.362 | 106 | 304684 | 40.14 | ug/L | 99 |
| 76) o-xylene | 11.732 | 106 | 144408 | 18.17 | ug/L | 100 |
| 77) styrene | 11.753 | 104 | 246776 | 18.21 | ug/L | 99 |
| 78) bromoform | 11.926 | 173 | 35437 | 10.27 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.149 | 53 | 23913 | 16.19 | ug/L | 77 |
| 81) isopropylbenzene | 12.088 | 105 | 323684 | 17.79 | ug/L | 99 |
| 83) bromobenzene | 12.378 | 156 | 99083 | 18.80 | ug/L | 89 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 114488 | 19.85 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.431 | 75 | 104505 | 15.69 | ug/L | 99 |
| 86) n-propylbenzene | 12.479 | 91 | 486916 | 20.38 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.557 | 91 | 289164 | 19.36 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.671 | 91 | 336566 | 20.18 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.652 | 105 | 324205 | 18.91 | ug/L | 98 |
| 90) tert-butylbenzene | 12.941 | 91 | 188572 | 18.39 | ug/L | 94 |
| 91) 1,2,4-trimethylbenzene | 12.997 | 105 | 325942 | 18.92 | ug/L | 100 |
| 92) sec-butylbenzene | 13.148 | 105 | 422926 | 19.06 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2568.D
 Acq On : 15 Oct 2011 3:56 pm
 Operator : AMYM
 Sample : ic112-20
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:40:46 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

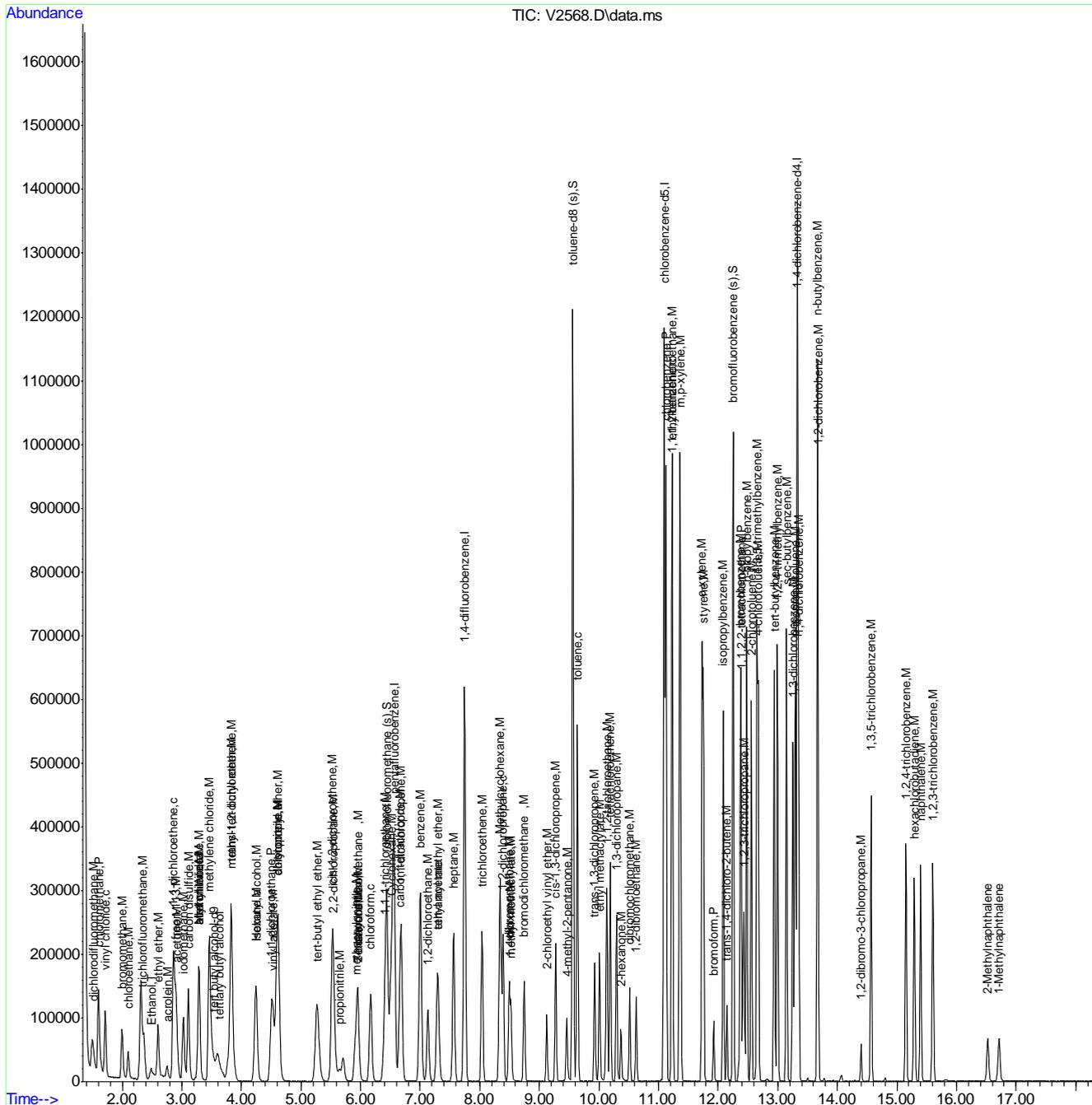
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 178851 | 18.96 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.293 | 119 | 299595 | 18.66 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.351 | 146 | 186684 | 19.66 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 177332 | 20.43 | ug/L | 99 |
| 97) n-butylbenzene | 13.666 | 91 | 343469 | 20.39 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.400 | 75 | 12048 | 11.55 | ug/L | 79 |
| 99) 1,3,5-trichlorobenzene | 14.568 | 180 | 122726 | 17.76 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 105152 | 16.71 | ug/L | 98 |
| 101) hexachlorobutadiene | 15.293 | 225 | 62991 | 17.79 | ug/L | 100 |
| 102) naphthalene | 15.400 | 128 | 249953 | 16.11 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.604 | 180 | 107184 | 17.72 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.525 | 142 | 45936 | 5.80 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.714 | 142 | 48079 | 6.98 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2568.D
Acq On : 15 Oct 2011 3:56 pm
Operator : AMYM
Sample : ic112-20
Misc : MS24138,MSV112,5,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:40:46 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:29:20 2011
Response via : Initial Calibration



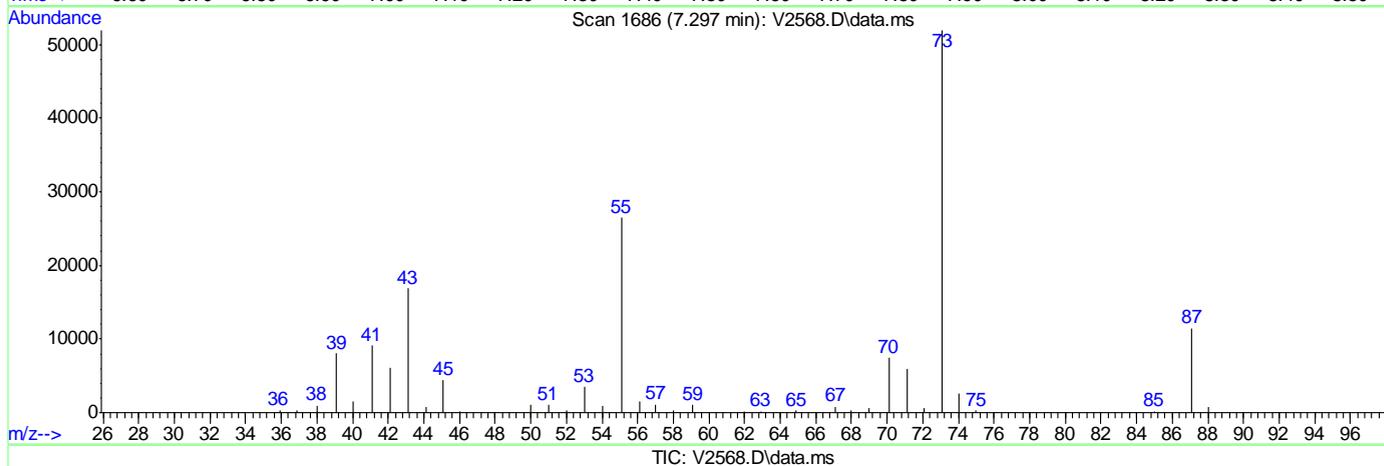
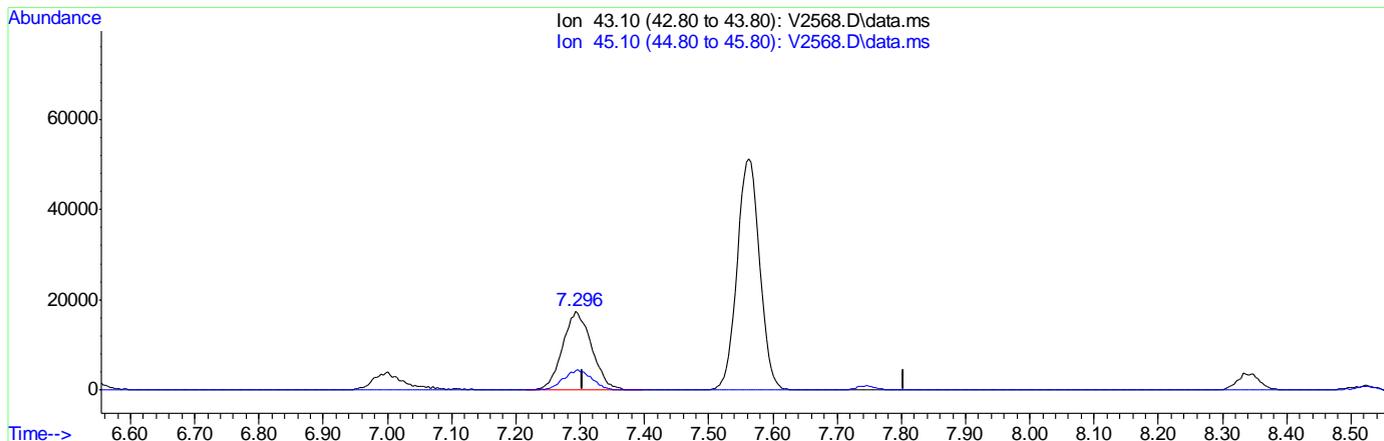
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2568.D
 Acq On : 15 Oct 2011 3:56 pm
 Operator : AMYM
 Sample : ic112-20
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:29:47 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.16.1

6



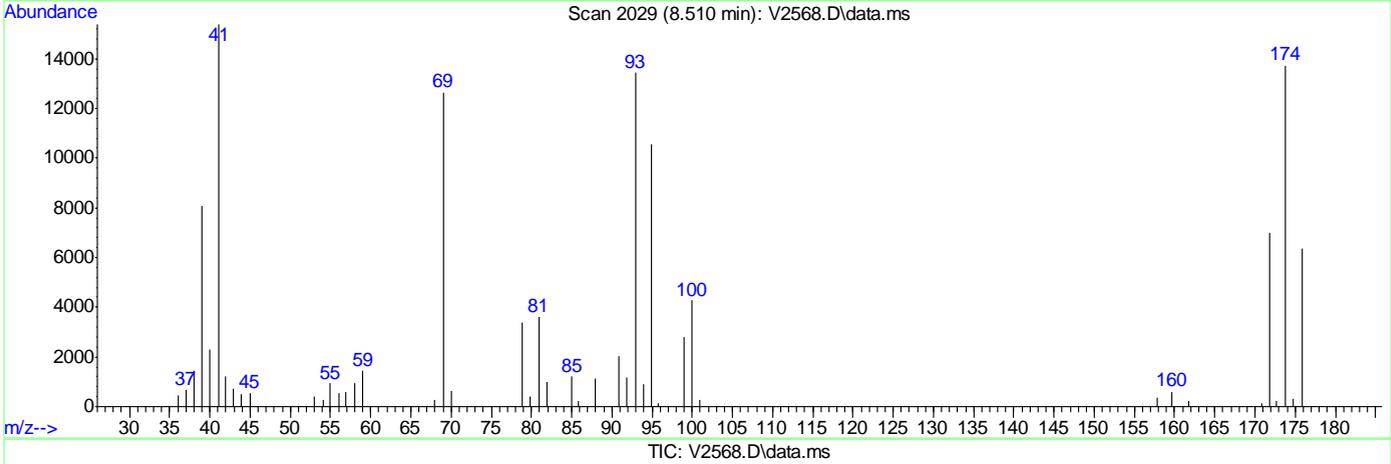
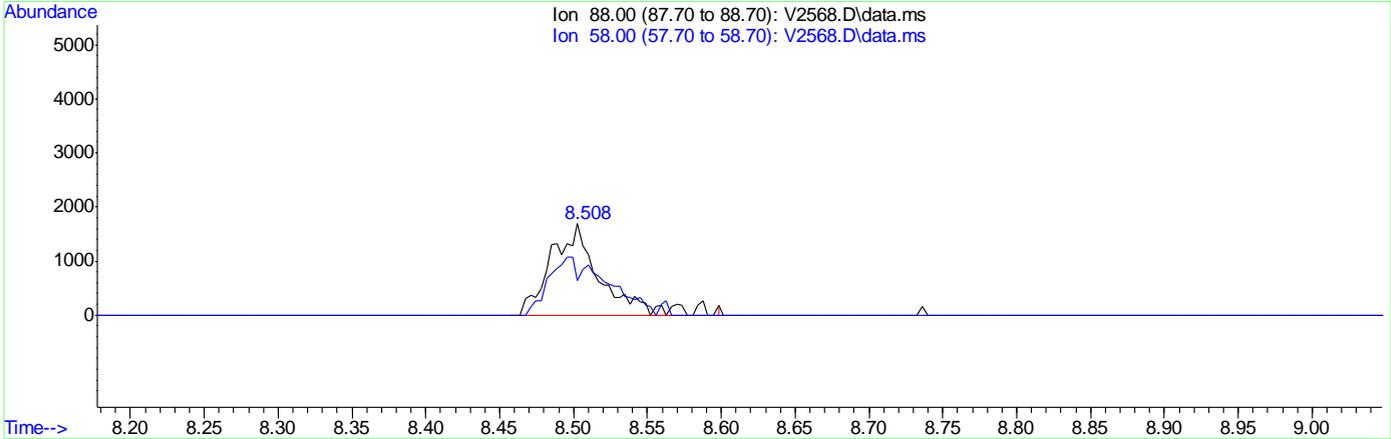
(37) ethyl acetate
 7.297min (-0.007) 15.27ug/L m
 response 53909

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2568.D
 Acq On : 15 Oct 2011 3:56 pm
 Operator : AMYM
 Sample : ic112-20
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 16 07:29:47 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(58) 1,4-dioxane (M)
 8.510min (-0.011) 77.23ug/L m
 response 3982

| Ion | Exp% | Act% |
|-------|-------|--------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 83.74# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:42:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.521 | 65 | 128276 | 500.00 | ug/L | #-0.03 | |
| 4) pentafluorobenzene | 6.560 | 168 | 353054 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.746 | 114 | 591182 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.095 | 82 | 323277 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.328 | 152 | 294929 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.440 | 113 | 218008 | 51.47 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.94% | |
| 60) toluene-d8 (s) | 9.563 | 98 | 762365 | 50.86 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.72% | |
| 82) bromofluorobenzene (s) | 12.252 | 95 | 288338 | 51.25 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.50% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.625 | 59 | 156792 | 490.05 | ug/L | | 88 |
| 3) Ethanol | 2.498 | 45 | 101503 | 7653.64 | ug/L | | 85 |
| 5) dichlorodifluoromethane | 1.510 | 85 | 349424 | 56.63 | ug/L | | 97 |
| 6) chloromethane | 1.609 | 50 | 286222 | 53.71 | ug/L | | 98 |
| 7) vinyl chloride | 1.721 | 62 | 320519 | 52.11 | ug/L | | 97 |
| 8) bromomethane | 2.007 | 96 | 183424 | 57.98 | ug/L | | 98 |
| 9) chloroethane | 2.105 | 64 | 149312 | 58.02 | ug/L | | 98 |
| 10) ethyl ether | 2.602 | 59 | 153558 | 52.27 | ug/L | | 99 |
| 11) acetonitrile | 3.289 | 41 | 377876 | 51.45 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.345 | 101 | 394997 | 55.86 | ug/L | | 99 |
| 13) freon-113 | 2.898 | 101 | 269327 | 54.84 | ug/L | | 92 |
| 14) acrolein | 2.754 | 56 | 57614 | 243.43 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.860 | 96 | 221543 | 51.36 | ug/L | | 97 |
| 16) acetone | 2.908 | 43 | 74813 | 62.00 | ug/L | | 95 |
| 17) Methyl Acetate | 3.279 | 43 | 245939 | 52.23 | ug/L | | 92 |
| 18) methylene chloride | 3.460 | 84 | 293314 | 56.12 | ug/L | | 86 |
| 19) methyl tert butyl ether | 3.834 | 73 | 539791 | 45.25 | ug/L | | 95 |
| 20) acrylonitrile | 4.617 | 53 | 370375 | 266.12 | ug/L | | 100 |
| 21) allyl chloride | 3.289 | 41 | 377876 | 51.45 | ug/L | | 91 |
| 22) trans-1,2-dichloroethene | 3.829 | 96 | 259139 | 54.18 | ug/L | | 95 |
| 23) iodomethane | 3.027 | 142 | 406330 | 50.17 | ug/L | | 100 |
| 24) carbon disulfide | 3.111 | 76 | 835898 | 49.35 | ug/L | | 99 |
| 25) propionitrile | 5.652 | 54 | 33487 | 48.68 | ug/L | | 100 |
| 26) vinyl acetate | 4.533 | 43 | 456540 | 45.31 | ug/L | | 96 |
| 27) chloroprene | 4.617 | 53 | 370375 | 53.22 | ug/L | | 94 |
| 28) di-isopropyl ether | 4.601 | 45 | 806075 | 53.04 | ug/L | | 95 |
| 29) methacrylonitrile | 5.922 | 41 | 155598 | 49.18 | ug/L | | 96 |
| 30) 2-butanone | 5.962 | 72 | 25920 | 45.81 | ug/L | | 81 |
| 31) Hexane | 4.244 | 41 | 256315 | 58.15 | ug/L | | 95 |
| 32) 1,1-dichloroethane | 4.505 | 63 | 472084 | 51.82 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.274 | 59 | 586239 | 44.30 | ug/L | | 92 |
| 34) isobutyl alcohol | 4.245 | 43 | 231276 | 285.77 | ug/L | | 94 |
| 35) 2,2-dichloropropane | 5.545 | 77 | 293967 | 45.07 | ug/L | | 95 |
| 36) cis-1,2-dichloroethene | 5.529 | 96 | 284004 | 51.83 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:42:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.294 | 43 | 158750m | 44.97 | ug/L | |
| 38) bromochloromethane | 5.951 | 128 | 128684 | 50.67 | ug/L # | 80 |
| 39) chloroform | 6.169 | 83 | 471142 | 51.98 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.960 | 42 | 62504 | 48.16 | ug/L | 91 |
| 42) 1,1,1-trichloroethane | 6.412 | 97 | 367992 | 48.88 | ug/L | 96 |
| 44) Cyclohexane | 6.517 | 56 | 462237 | 52.81 | ug/L | 95 |
| 45) carbon tetrachloride | 6.665 | 117 | 337948 | 48.33 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.683 | 75 | 356574 | 52.18 | ug/L | 96 |
| 47) benzene | 7.003 | 78 | 1021503 | 52.11 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.130 | 62 | 335040 | 52.97 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.295 | 73 | 487088 | 41.39 | ug/L | 93 |
| 50) heptane | 7.561 | 43 | 384099 | 57.97 | ug/L | 94 |
| 51) trichloroethene | 8.038 | 95 | 261445 | 50.50 | ug/L | 91 |
| 52) 1,2-dichloropropane | 8.389 | 63 | 278078 | 50.48 | ug/L | 99 |
| 53) dibromomethane | 8.493 | 93 | 165829 | 49.43 | ug/L | 89 |
| 54) bromodichloromethane | 8.745 | 83 | 313865 | 45.64 | ug/L | 99 |
| 55) Methylcyclohexane | 8.341 | 83 | 444780 | 51.31 | ug/L | 94 |
| 56) 2-chloroethyl vinyl ether | 9.123 | 63 | 131083 | 43.44 | ug/L | 97 |
| 57) methyl methacrylate | 8.525 | 69 | 143210 | 44.12 | ug/L | 88 |
| 58) 1,4-dioxane | 8.517 | 88 | 12417m | 240.97 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.274 | 75 | 368892 | 44.40 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.461 | 43 | 196747 | 45.47 | ug/L | 92 |
| 62) toluene | 9.639 | 92 | 618758 | 51.19 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 9.928 | 75 | 287332 | 41.98 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.133 | 83 | 194160 | 50.16 | ug/L | 97 |
| 65) ethyl methacrylate | 10.010 | 69 | 288997 | 44.79 | ug/L | 91 |
| 67) tetrachloroethene | 10.191 | 166 | 251184 | 51.80 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.297 | 76 | 377905 | 51.16 | ug/L | 99 |
| 69) dibromochloromethane | 10.516 | 129 | 208430 | 42.03 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.626 | 107 | 213155 | 48.51 | ug/L | 99 |
| 71) 2-hexanone | 10.371 | 43 | 145491 | 48.03 | ug/L | 93 |
| 72) chlorobenzene | 11.124 | 112 | 677039 | 56.02 | ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 11.225 | 131 | 224196 | 50.86 | ug/L | 97 |
| 74) ethylbenzene | 11.231 | 91 | 1181833 | 56.96 | ug/L | 100 |
| 75) m,p-xylene | 11.362 | 106 | 856086 | 111.20 | ug/L | 100 |
| 76) o-xylene | 11.732 | 106 | 414292 | 51.40 | ug/L | 99 |
| 77) styrene | 11.753 | 104 | 707749 | 51.51 | ug/L | 100 |
| 78) bromoform | 11.927 | 173 | 125046 | 35.73 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 12.149 | 53 | 69032 | 46.07 | ug/L | 93 |
| 81) isopropylbenzene | 12.087 | 105 | 943959 | 50.77 | ug/L | 99 |
| 83) bromobenzene | 12.377 | 156 | 274590 | 50.98 | ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 306218 | 51.96 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.431 | 75 | 307202 | 45.13 | ug/L | 94 |
| 86) n-propylbenzene | 12.480 | 91 | 1366893 | 55.98 | ug/L | 98 |
| 87) 2-chlorotoluene | 12.557 | 91 | 800380 | 52.44 | ug/L | 100 |
| 88) 4-chlorotoluene | 12.671 | 91 | 925573 | 54.29 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.652 | 105 | 915918 | 52.27 | ug/L | 100 |
| 90) tert-butylbenzene | 12.941 | 91 | 536377 | 51.17 | ug/L | 92 |
| 91) 1,2,4-trimethylbenzene | 12.996 | 105 | 910487 | 51.71 | ug/L | 98 |
| 92) sec-butylbenzene | 13.148 | 105 | 1207581 | 53.26 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:42:01 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

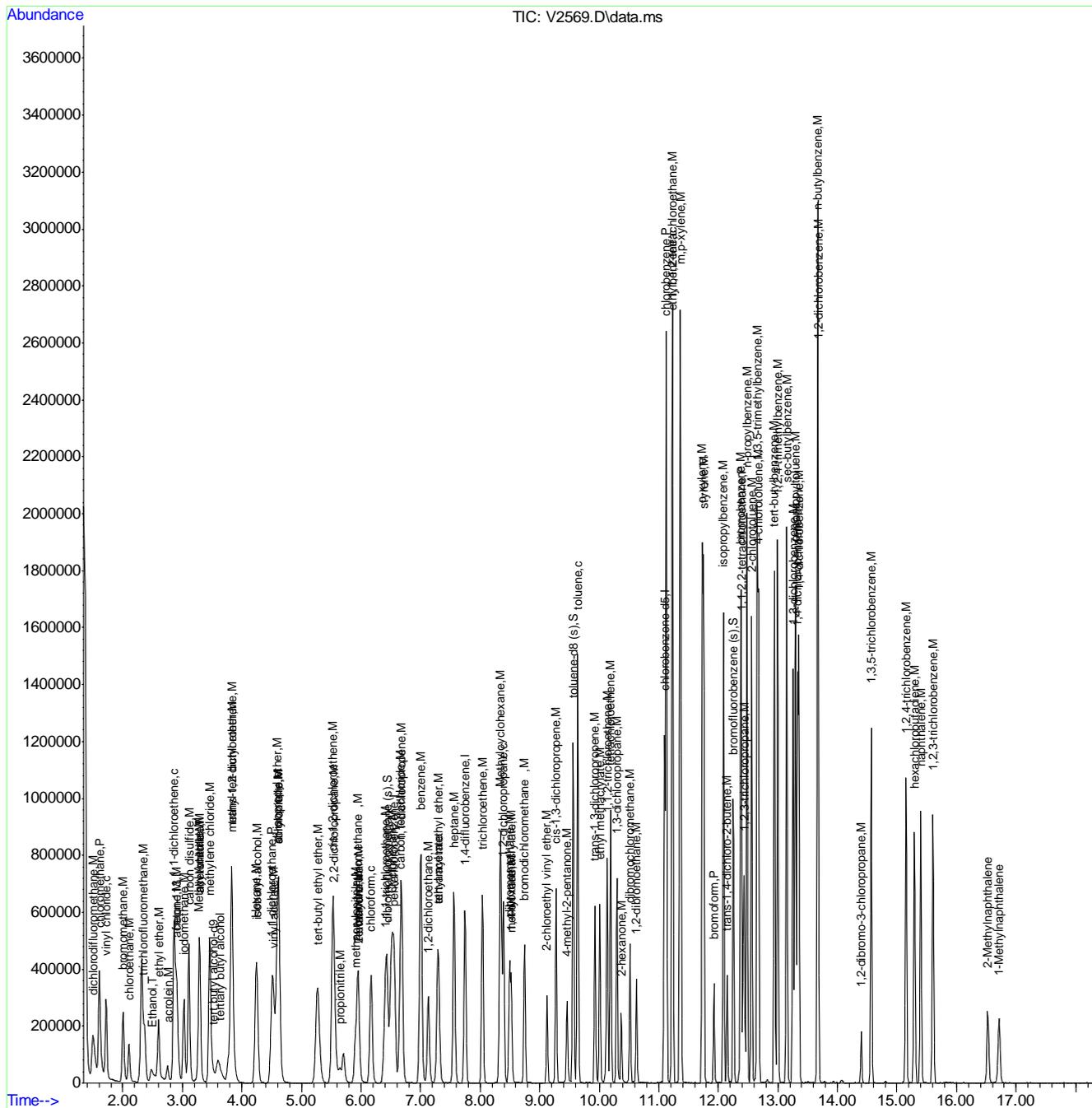
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 490096 | 50.84 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.292 | 119 | 859534 | 52.40 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.351 | 146 | 503062 | 51.85 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 485056 | 54.68 | ug/L | 99 |
| 97) n-butylbenzene | 13.666 | 91 | 986476 | 57.29 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.400 | 75 | 38261 | 35.88 | ug/L | 81 |
| 99) 1,3,5-trichlorobenzene | 14.568 | 180 | 347356 | 49.19 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 306945 | 47.74 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.293 | 225 | 177045 | 48.93 | ug/L | 97 |
| 102) naphthalene | 15.400 | 128 | 722410 | 45.55 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.604 | 180 | 298297 | 48.25 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.526 | 142 | 167269 | 20.68 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.715 | 142 | 162113 | 23.04 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2569.D
Acq On : 15 Oct 2011 4:27 pm
Operator : AMYM
Sample : ic112-50
Misc : MS24138,MSV112,5,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:42:01 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:29:20 2011
Response via : Initial Calibration



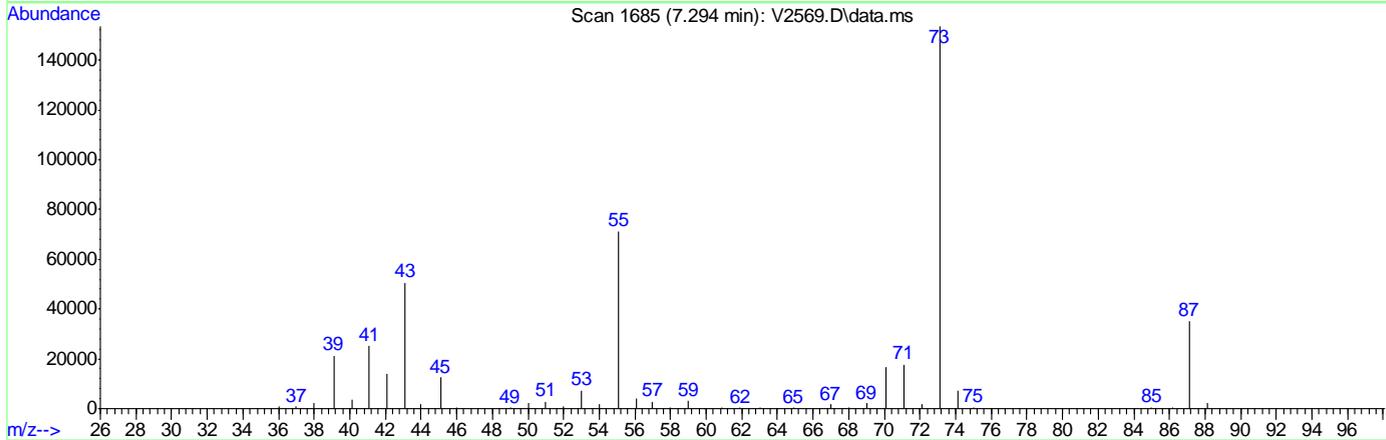
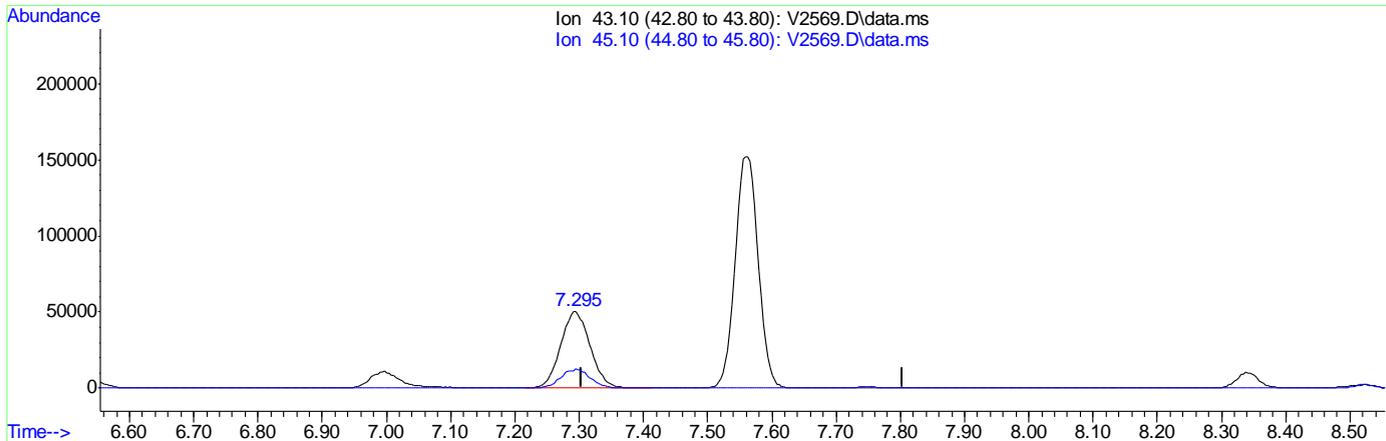
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:29:49 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.17.1

6



TIC: V2569.D\data.ms

(37) ethyl acetate
 7.294min (-0.011) 44.97ug/L m
 response 158750

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

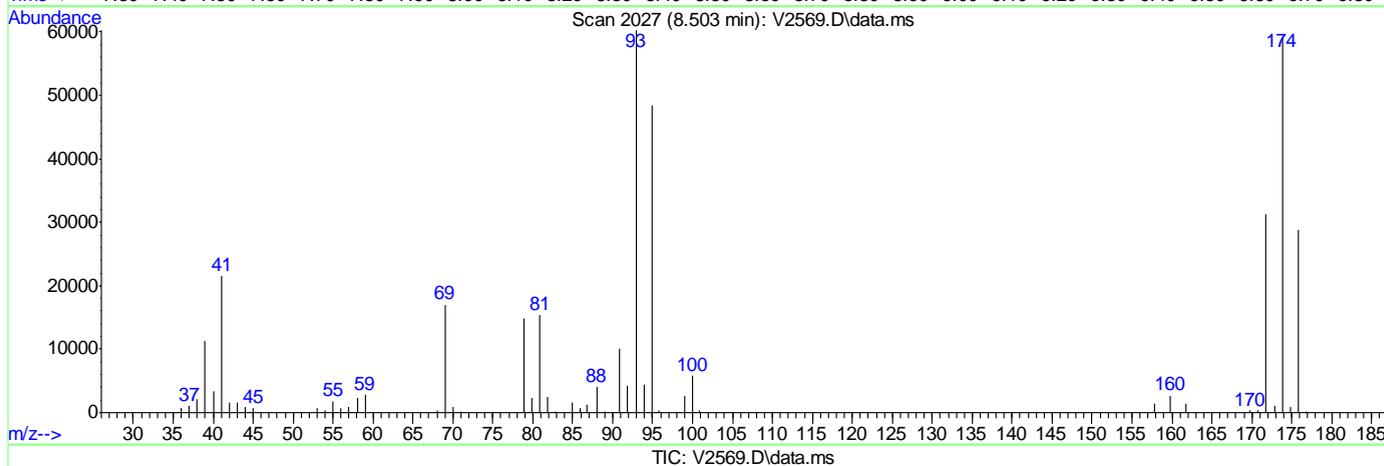
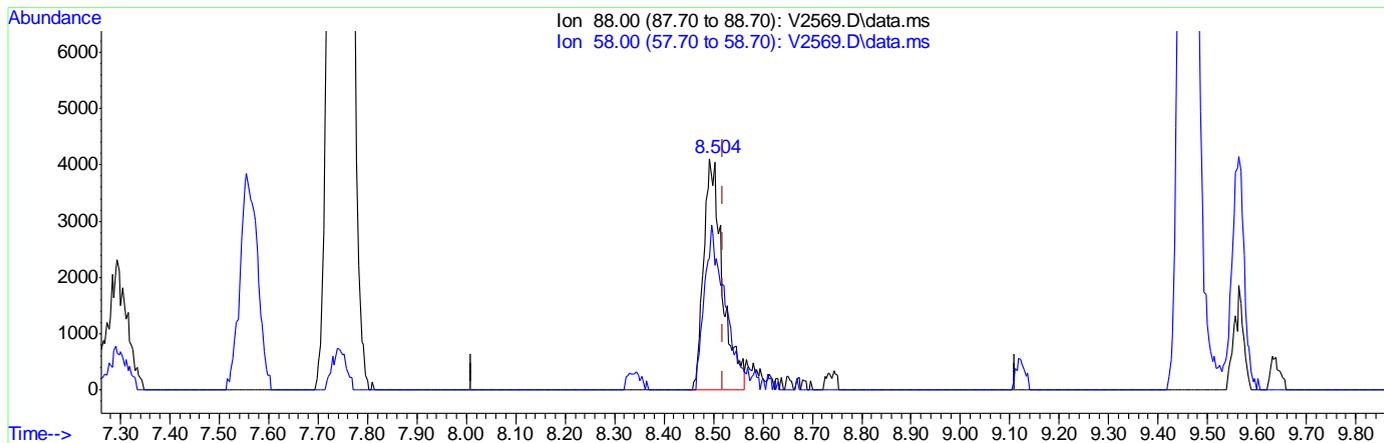
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:29:49 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.17.2

6



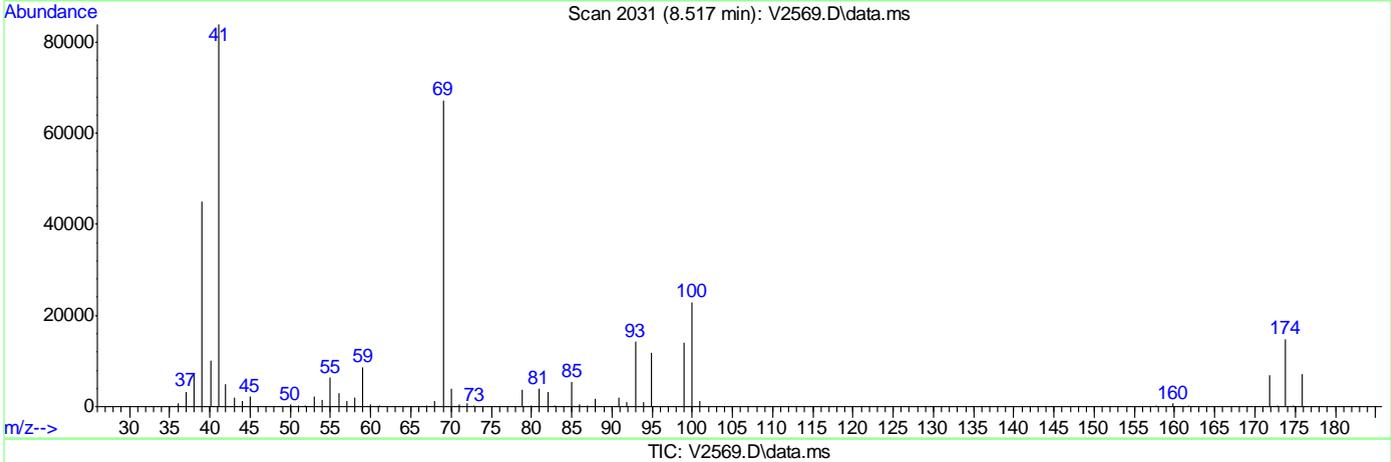
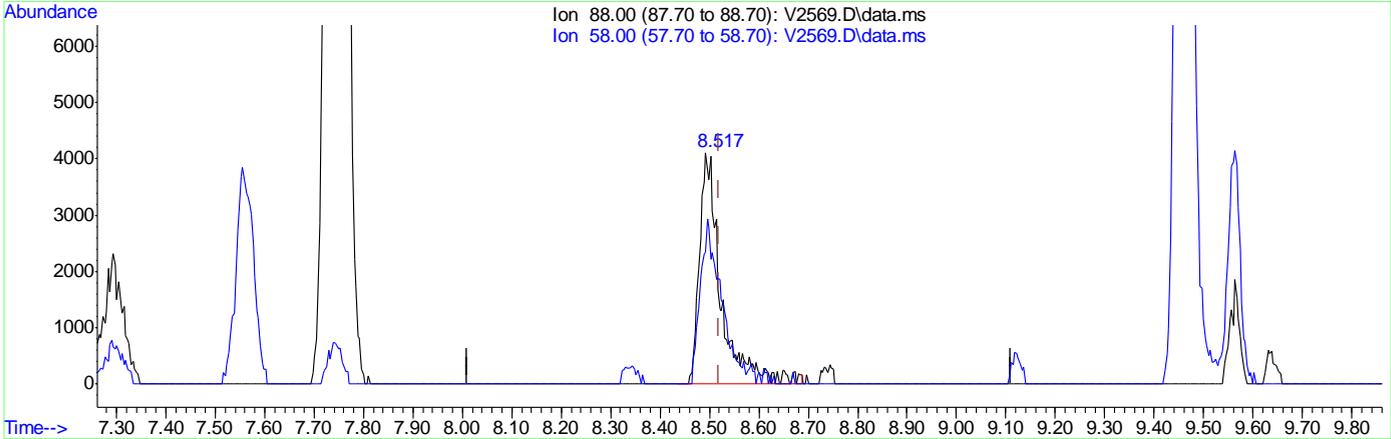
(58) 1,4-dioxane (M)
 8.504min (-0.018) 210.81ug/L
 response 10863

| Ion | Exp% | Act% |
|-------|-------|-------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 54.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2569.D
 Acq On : 15 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 16 07:29:49 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(58) 1,4-dioxane (M)

8.517min (-0.004) 240.97ug/L m

response 12417

| Ion | Exp% | Act% |
|-------|-------|---------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 110.11# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2570.D
 Acq On : 15 Oct 2011 4:57 pm
 Operator : AMYM
 Sample : iccl12-100
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 16 07:42:59 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.524 | 65 | 135287 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.560 | 168 | 357765 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.746 | 114 | 597063 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.095 | 82 | 329784 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.328 | 152 | 294511 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.441 | 113 | 224960 | 52.41 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.82% | |
| 60) toluene-d8 (s) | 9.563 | 98 | 781197 | 51.60 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.20% | |
| 82) bromofluorobenzene (s) | 12.252 | 95 | 294338 | 52.39 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.78% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.628 | 59 | 383917 | 1137.74 | ug/L | | 94 |
| 3) Ethanol | 2.499 | 45 | 220332 | 15752.75 | ug/L | | 85 |
| 5) dichlorodifluoromethane | 1.509 | 85 | 672782 | 107.60 | ug/L | | 100 |
| 6) chloromethane | 1.614 | 50 | 582051 | 107.79 | ug/L | | 99 |
| 7) vinyl chloride | 1.727 | 62 | 651219 | 104.48 | ug/L | | 98 |
| 8) bromomethane | 2.010 | 96 | 365557 | 114.03 | ug/L | | 94 |
| 9) chloroethane | 2.106 | 64 | 296120 | 113.55 | ug/L | | 99 |
| 10) ethyl ether | 2.602 | 59 | 317832 | 106.76 | ug/L | | 98 |
| 11) acetonitrile | 3.289 | 41 | 804719 | 108.13 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.348 | 101 | 803813 | 112.19 | ug/L | | 99 |
| 13) freon-113 | 2.899 | 101 | 542541 | 109.01 | ug/L | | 94 |
| 14) acrolein | 2.756 | 56 | 125935 | 525.08 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.861 | 96 | 462615 | 105.83 | ug/L | | 94 |
| 16) acetone | 2.908 | 43 | 140035 | 114.53 | ug/L | | 96 |
| 17) Methyl Acetate | 3.279 | 43 | 517937 | 108.54 | ug/L | | 93 |
| 18) methylene chloride | 3.461 | 84 | 586353 | 110.71 | ug/L | | 86 |
| 19) methyl tert butyl ether | 3.836 | 73 | 1187588 | 98.24 | ug/L | | 95 |
| 20) acrylonitrile | 4.618 | 53 | 773715 | 548.60 | ug/L | | 99 |
| 21) allyl chloride | 3.289 | 41 | 804719 | 108.13 | ug/L | | 93 |
| 22) trans-1,2-dichloroethene | 3.830 | 96 | 530880 | 109.54 | ug/L | | 95 |
| 23) iodomethane | 3.029 | 142 | 856770 | 104.40 | ug/L | | 99 |
| 24) carbon disulfide | 3.112 | 76 | 1786054 | 104.06 | ug/L | | 100 |
| 25) propionitrile | 5.653 | 54 | 73558 | 105.53 | ug/L | | 100 |
| 26) vinyl acetate | 4.536 | 43 | 1067821 | 104.59 | ug/L | | 97 |
| 27) chloroprene | 4.618 | 53 | 773715 | 109.72 | ug/L | | 94 |
| 28) di-isopropyl ether | 4.602 | 45 | 1709467 | 111.00 | ug/L | | 96 |
| 29) methacrylonitrile | 5.923 | 41 | 339038 | 105.75 | ug/L | | 98 |
| 30) 2-butanone | 5.963 | 72 | 56531 | 98.60 | ug/L | | 90 |
| 31) Hexane | 4.244 | 41 | 496264 | 111.11 | ug/L | | 96 |
| 32) 1,1-dichloroethane | 4.505 | 63 | 984639 | 106.65 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.275 | 59 | 1312078 | 97.85 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.245 | 43 | 449670 | 548.30 | ug/L | | 99 |
| 35) 2,2-dichloropropane | 5.547 | 77 | 651024 | 98.50 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 5.530 | 96 | 593154 | 106.83 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2570.D
 Acq On : 15 Oct 2011 4:57 pm
 Operator : AMYM
 Sample : iccl112-100
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 16 07:42:59 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.297 | 43 | 355066m | 99.26 | ug/L | |
| 38) bromochloromethane | 5.952 | 128 | 267845 | 104.08 | ug/L # | 79 |
| 39) chloroform | 6.169 | 83 | 989372 | 107.71 | ug/L | 100 |
| 41) Tetrahydrofuran | 5.959 | 42 | 139728 | 106.24 | ug/L | 91 |
| 42) 1,1,1-trichloroethane | 6.412 | 97 | 791800 | 103.79 | ug/L | 96 |
| 44) Cyclohexane | 6.517 | 56 | 954081 | 107.92 | ug/L | 93 |
| 45) carbon tetrachloride | 6.665 | 117 | 734196 | 103.97 | ug/L | 98 |
| 46) 1,1-dichloropropene | 6.684 | 75 | 741124 | 107.39 | ug/L | 96 |
| 47) benzene | 7.004 | 78 | 2129967 | 107.59 | ug/L | 98 |
| 48) 1,2-dichloroethane | 7.131 | 62 | 689540 | 107.95 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.296 | 73 | 1113752 | 93.70 | ug/L | 95 |
| 50) heptane | 7.561 | 43 | 741411 | 110.79 | ug/L | 95 |
| 51) trichloroethene | 8.038 | 95 | 550254 | 105.24 | ug/L | 92 |
| 52) 1,2-dichloropropane | 8.390 | 63 | 587962 | 105.68 | ug/L | 98 |
| 53) dibromomethane | 8.493 | 93 | 351628 | 103.79 | ug/L | 89 |
| 54) bromodichloromethane | 8.745 | 83 | 696488 | 100.29 | ug/L | 99 |
| 55) Methylcyclohexane | 8.342 | 83 | 920298 | 105.13 | ug/L | 93 |
| 56) 2-chloroethyl vinyl ether | 9.123 | 63 | 298826 | 98.05 | ug/L | 96 |
| 57) methyl methacrylate | 8.524 | 69 | 325724 | 99.36 | ug/L | 90 |
| 58) 1,4-dioxane | 8.506 | 88 | 26667 | 512.41 | ug/L | 73 |
| 59) cis-1,3-dichloropropene | 9.274 | 75 | 828338 | 98.72 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.460 | 43 | 449116 | 102.76 | ug/L | 94 |
| 62) toluene | 9.639 | 92 | 1299162 | 106.41 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 9.928 | 75 | 665058 | 96.20 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.133 | 83 | 412218 | 105.45 | ug/L | 96 |
| 65) ethyl methacrylate | 10.010 | 69 | 660008 | 101.27 | ug/L | 91 |
| 67) tetrachloroethene | 10.191 | 166 | 519486 | 105.01 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.297 | 76 | 800351 | 106.20 | ug/L | 99 |
| 69) dibromochloromethane | 10.516 | 129 | 483762 | 95.62 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.626 | 107 | 459394 | 102.50 | ug/L | 98 |
| 71) 2-hexanone | 10.370 | 43 | 323474 | 104.69 | ug/L | 94 |
| 72) chlorobenzene | 11.124 | 112 | 1425043 | 115.58 | ug/L | 96 |
| 73) 1,1,1,2-tetrachloroethane | 11.225 | 131 | 500899 | 111.38 | ug/L | 96 |
| 74) ethylbenzene | 11.231 | 91 | 2488013 | 117.54 | ug/L | 100 |
| 75) m,p-xylene | 11.362 | 106 | 1817558 | 231.43 | ug/L | 98 |
| 76) o-xylene | 11.732 | 106 | 902645 | 109.77 | ug/L | 97 |
| 77) styrene | 11.753 | 104 | 1534475 | 109.47 | ug/L | 100 |
| 78) bromoform | 11.926 | 173 | 307440 | 86.12 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.149 | 53 | 156723 | 102.54 | ug/L | 95 |
| 81) isopropylbenzene | 12.087 | 105 | 2046765 | 110.25 | ug/L | 99 |
| 83) bromobenzene | 12.377 | 156 | 589067 | 109.52 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 660145 | 112.17 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.430 | 75 | 688978 | 101.36 | ug/L | 90 |
| 86) n-propylbenzene | 12.480 | 91 | 2866093 | 117.54 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.558 | 91 | 1703386 | 111.75 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.671 | 91 | 1927131 | 113.20 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.652 | 105 | 1990335 | 113.74 | ug/L | 98 |
| 90) tert-butylbenzene | 12.941 | 91 | 1179738 | 112.71 | ug/L | 91 |
| 91) 1,2,4-trimethylbenzene | 12.996 | 105 | 1966808 | 111.86 | ug/L | 98 |
| 92) sec-butylbenzene | 13.148 | 105 | 2625495 | 115.96 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2570.D
 Acq On : 15 Oct 2011 4:57 pm
 Operator : AMYM
 Sample : iccl12-100
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 16 07:42:59 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

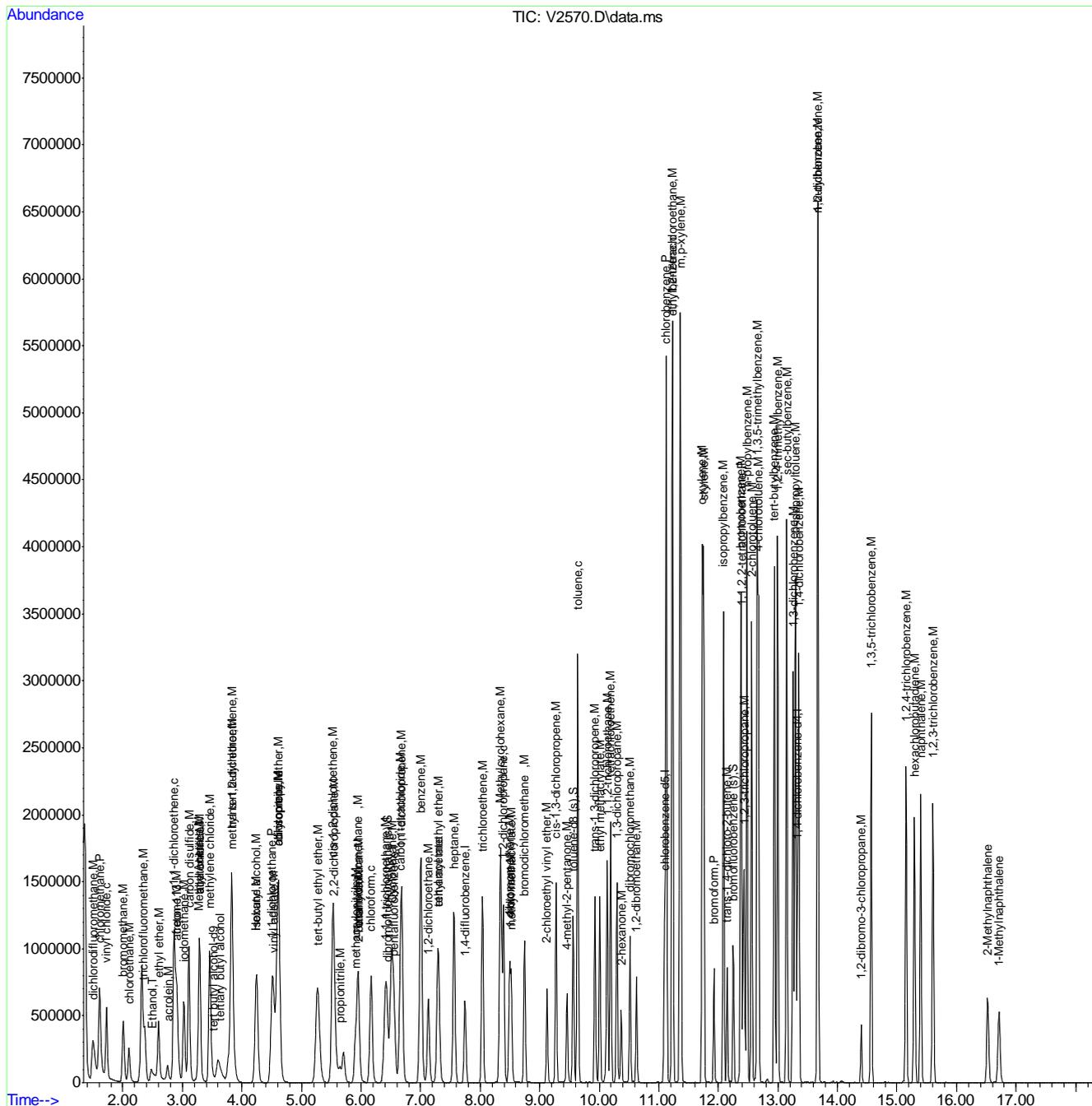
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 1048579 | 108.94 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.292 | 119 | 1869730 | 114.14 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 13.351 | 146 | 1064343 | 109.85 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.673 | 146 | 1031523 | 116.44 | ug/L | 98 |
| 97) n-butylbenzene | 13.665 | 91 | 2105474 | 122.45 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.400 | 75 | 95789 | 89.97 | ug/L | 87 |
| 99) 1,3,5-trichlorobenzene | 14.567 | 180 | 762666 | 108.16 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 686631 | 106.94 | ug/L | 100 |
| 101) hexachlorobutadiene | 15.293 | 225 | 398888 | 110.40 | ug/L | 99 |
| 102) naphthalene | 15.399 | 128 | 1647339 | 104.02 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.604 | 180 | 671901 | 108.83 | ug/L | 100 |
| 104) 2-Methylnaphthalene | 16.524 | 142 | 430859 | 53.35 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.714 | 142 | 393360 | 55.98 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2570.D
Acq On : 15 Oct 2011 4:57 pm
Operator : AMYM
Sample : icc112-100
Misc : MS24138,MSV112,5,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 16 07:42:59 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:29:20 2011
Response via : Initial Calibration



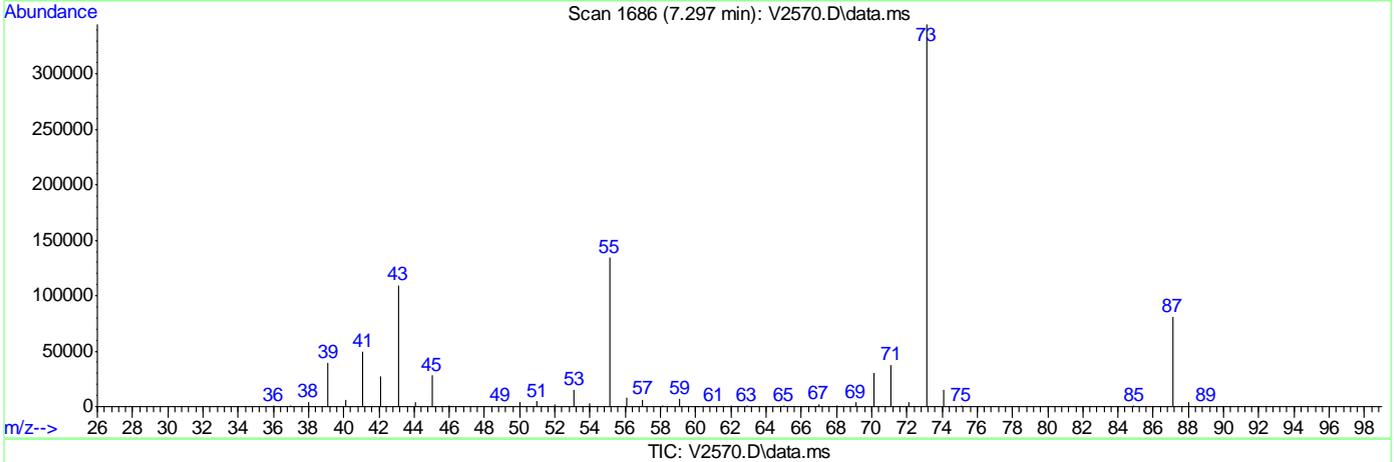
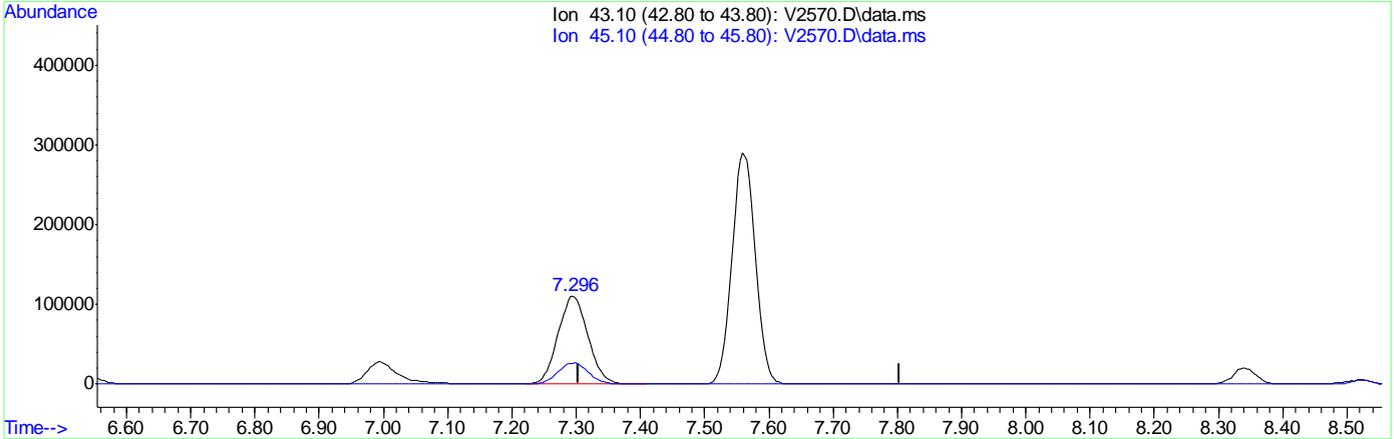
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2570.D
 Acq On : 15 Oct 2011 4:57 pm
 Operator : AMYM
 Sample : ic112-100
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 16 07:29:51 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6:18.1

6



(37) ethyl acetate
 7.297min (-0.007) 99.26ug/L m
 response 355066

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2571.D
 Acq On : 15 Oct 2011 5:27 pm
 Operator : AMYM
 Sample : ic112-200
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 16 07:44:09 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.529 | 65 | 149945 | 500.00 | ug/L | -0.02 | |
| 4) pentafluorobenzene | 6.565 | 168 | 367075 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.750 | 114 | 617806 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.096 | 82 | 341946 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.329 | 152 | 307835 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.446 | 113 | 230172 | 52.27 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.54% | |
| 60) toluene-d8 (s) | 9.564 | 98 | 800094 | 51.07 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.14% | |
| 82) bromofluorobenzene (s) | 12.252 | 95 | 302036 | 51.43 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.86% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.637 | 59 | 817134 | 2184.85 | ug/L | | 99 |
| 3) Ethanol | 2.506 | 45 | 429887 | 27730.46 | ug/L | | 84 |
| 5) dichlorodifluoromethane | 1.518 | 85 | 1405304 | 219.05 | ug/L | | 98 |
| 6) chloromethane | 1.626 | 50 | 1174948 | 212.07 | ug/L | | 100 |
| 7) vinyl chloride | 1.740 | 62 | 1333968 | 208.60 | ug/L | | 95 |
| 8) bromomethane | 2.020 | 96 | 729587 | 221.81 | ug/L | | 97 |
| 9) chloroethane | 2.114 | 64 | 589202 | 220.21 | ug/L | | 99 |
| 10) ethyl ether | 2.609 | 59 | 649790 | 212.73 | ug/L | | 97 |
| 11) acetonitrile | 3.296 | 41 | 1662090 | 217.66 | ug/L | | 95 |
| 12) trichlorofluoromethane | 2.356 | 101 | 1611318 | 219.18 | ug/L | | 98 |
| 13) freon-113 | 2.907 | 101 | 1098796 | 215.17 | ug/L | | 93 |
| 14) acrolein | 2.763 | 56 | 259165 | 1053.18 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.868 | 96 | 946614 | 211.06 | ug/L | | 98 |
| 16) acetone | 2.917 | 43 | 289801 | 231.01 | ug/L | | 99 |
| 17) Methyl Acetate | 3.285 | 43 | 1082354 | 221.06 | ug/L | | 93 |
| 18) methylene chloride | 3.468 | 84 | 1169295 | 215.18 | ug/L | | 88 |
| 19) methyl tert butyl ether | 3.844 | 73 | 2569265 | 207.14 | ug/L | | 96 |
| 20) acrylonitrile | 4.626 | 53 | 1570686 | 1085.44 | ug/L | | 99 |
| 21) allyl chloride | 3.296 | 41 | 1658970 | 217.25 | ug/L | | 92 |
| 22) trans-1,2-dichloroethene | 3.837 | 96 | 1075619 | 216.30 | ug/L | | 94 |
| 23) iodomethane | 3.036 | 142 | 1775715 | 210.89 | ug/L | | 98 |
| 24) carbon disulfide | 3.118 | 76 | 3720779 | 211.28 | ug/L | | 99 |
| 25) propionitrile | 5.658 | 54 | 151545 | 211.90 | ug/L | | 100 |
| 26) vinyl acetate | 4.545 | 43 | 2309998 | 220.52 | ug/L | | 96 |
| 27) chloroprene | 4.626 | 53 | 1570686 | 217.09 | ug/L | | 95 |
| 28) di-isopropyl ether | 4.611 | 45 | 3464654 | 219.26 | ug/L | | 96 |
| 29) methacrylonitrile | 5.928 | 41 | 721530 | 219.34 | ug/L | | 96 |
| 30) 2-butanone | 5.968 | 72 | 124954 | 212.42 | ug/L | | 89 |
| 31) Hexane | 4.252 | 41 | 1024382 | 223.53 | ug/L | | 98 |
| 32) 1,1-dichloroethane | 4.513 | 63 | 2017012 | 212.93 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.283 | 59 | 2828293 | 205.58 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.252 | 43 | 933821 | 1109.76 | ug/L | | 96 |
| 35) 2,2-dichloropropane | 5.554 | 77 | 1401285 | 206.63 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.536 | 96 | 1217880 | 213.78 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2571.D
 Acq On : 15 Oct 2011 5:27 pm
 Operator : AMYM
 Sample : ic112-200
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 16 07:44:09 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) ethyl acetate | 7.301 | 43 | 770117m | 209.84 | ug/L | |
| 38) bromochloromethane | 5.958 | 128 | 560122 | 212.14 | ug/L # | 83 |
| 39) chloroform | 6.175 | 83 | 2018546 | 214.18 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.964 | 42 | 295503 | 218.98 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.418 | 97 | 1642637 | 209.85 | ug/L | 96 |
| 44) Cyclohexane | 6.523 | 56 | 1928570 | 210.83 | ug/L | 97 |
| 45) carbon tetrachloride | 6.671 | 117 | 1508896 | 206.50 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.689 | 75 | 1515037 | 212.15 | ug/L | 97 |
| 47) benzene | 7.009 | 78 | 4344679 | 212.10 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.135 | 62 | 1418069 | 214.55 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.301 | 73 | 2457606 | 199.83 | ug/L | 95 |
| 50) heptane | 7.565 | 43 | 1542850 | 222.81 | ug/L | 95 |
| 51) trichloroethene | 8.041 | 95 | 1128186 | 208.53 | ug/L | 93 |
| 52) 1,2-dichloropropane | 8.393 | 63 | 1212134 | 210.55 | ug/L | 98 |
| 53) dibromomethane | 8.495 | 93 | 738591 | 210.68 | ug/L | 92 |
| 54) bromodichloromethane | 8.747 | 83 | 1483803 | 206.48 | ug/L | 99 |
| 55) Methylcyclohexane | 8.345 | 83 | 1893960 | 209.08 | ug/L | 94 |
| 56) 2-chloroethyl vinyl ether | 9.124 | 63 | 638714 | 202.53 | ug/L | 97 |
| 57) methyl methacrylate | 8.526 | 69 | 705210 | 207.91 | ug/L | 91 |
| 58) 1,4-dioxane | 8.520 | 88 | 58225 | 1081.24 | ug/L # | 1 |
| 59) cis-1,3-dichloropropene | 9.276 | 75 | 1784653 | 205.54 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 9.461 | 43 | 963397 | 213.03 | ug/L | 95 |
| 62) toluene | 9.640 | 92 | 2670421 | 211.39 | ug/L | 95 |
| 63) trans-1,3-dichloropropene | 9.928 | 75 | 1464290 | 204.71 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.134 | 83 | 854777 | 211.32 | ug/L | 97 |
| 65) ethyl methacrylate | 10.010 | 69 | 1414221 | 209.71 | ug/L | 92 |
| 67) tetrachloroethene | 10.192 | 166 | 1075490 | 209.66 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.298 | 76 | 1667223 | 213.36 | ug/L | 99 |
| 69) dibromochloromethane | 10.517 | 129 | 1069688 | 203.91 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.626 | 107 | 979400 | 210.74 | ug/L | 98 |
| 71) 2-hexanone | 10.370 | 43 | 693911 | 216.59 | ug/L | 96 |
| 72) chlorobenzene | 11.125 | 112 | 2856961 | 223.48 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 11.226 | 131 | 1031606 | 221.24 | ug/L | 97 |
| 74) ethylbenzene | 11.232 | 91 | 4986154 | 227.17 | ug/L | 99 |
| 75) m,p-xylene | 11.363 | 106 | 3647924 | 447.96 | ug/L | 98 |
| 76) o-xylene | 11.732 | 106 | 1844401 | 216.33 | ug/L | 99 |
| 77) styrene | 11.753 | 104 | 3162108 | 217.56 | ug/L | 99 |
| 78) bromoform | 11.926 | 173 | 726318 | 196.22 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.149 | 53 | 334098 | 210.81 | ug/L | 91 |
| 81) isopropylbenzene | 12.087 | 105 | 4174137 | 215.11 | ug/L | 99 |
| 83) bromobenzene | 12.378 | 156 | 1210681 | 215.36 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.385 | 83 | 1369839 | 222.69 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.431 | 75 | 1487572 | 209.37 | ug/L | 91 |
| 86) n-propylbenzene | 12.481 | 91 | 5729569 | 224.81 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.558 | 91 | 3432109 | 215.43 | ug/L | 100 |
| 88) 4-chlorotoluene | 12.671 | 91 | 3890047 | 218.60 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.652 | 105 | 4013674 | 219.43 | ug/L | 99 |
| 90) tert-butylbenzene | 12.941 | 91 | 2353074 | 215.09 | ug/L | 93 |
| 91) 1,2,4-trimethylbenzene | 12.997 | 105 | 3995204 | 217.39 | ug/L | 98 |
| 92) sec-butylbenzene | 13.148 | 105 | 5243238 | 221.55 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2571.D
 Acq On : 15 Oct 2011 5:27 pm
 Operator : AMYM
 Sample : ic112-200
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 16 07:44:09 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

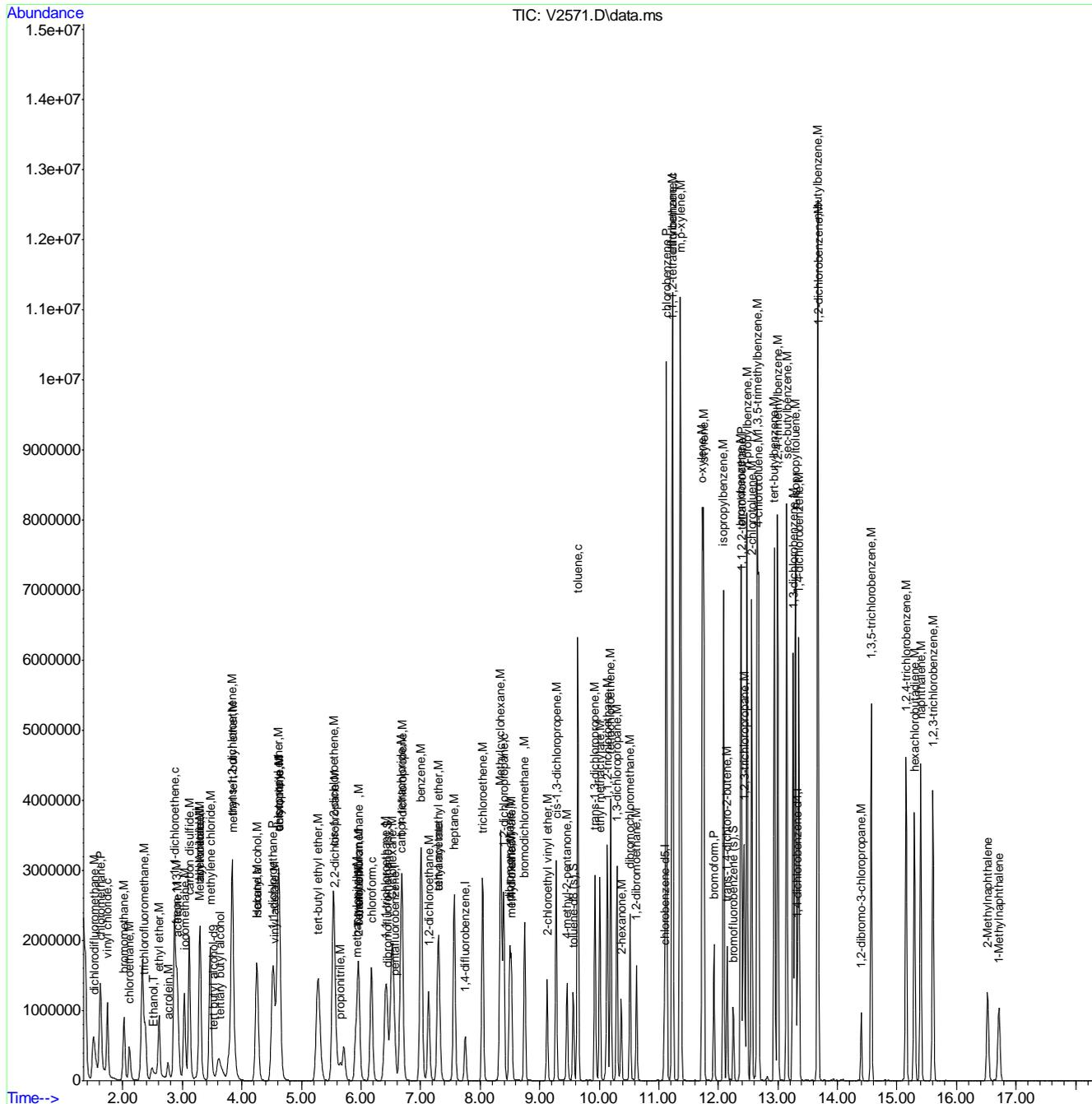
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.254 | 146 | 2135515 | 212.26 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.292 | 119 | 3766009 | 219.95 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.351 | 146 | 2163744 | 213.65 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.674 | 146 | 2074663 | 224.05 | ug/L | 99 |
| 97) n-butylbenzene | 13.665 | 91 | 4137175 | 230.20 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.399 | 75 | 218342 | 196.20 | ug/L | 88 |
| 99) 1,3,5-trichlorobenzene | 14.567 | 180 | 1550826 | 210.42 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 1397532 | 208.24 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.293 | 225 | 790551 | 209.33 | ug/L | 98 |
| 102) naphthalene | 15.398 | 128 | 3497090 | 211.26 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.604 | 180 | 1362556 | 211.15 | ug/L | 99 |
| 104) 2-Methylnaphthalene | 16.522 | 142 | 886483 | 105.02 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.712 | 142 | 789897 | 107.54 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2571.D
Acq On : 15 Oct 2011 5:27 pm
Operator : AMYM
Sample : ic112-200
Misc : MS24138,MSV112,5,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 16 07:44:09 2011
Quant Method : C:\msdchem\1\METHODS\v101511s.m
Quant Title : SW-846 Method 8260
QLast Update : Sun Oct 16 07:29:20 2011
Response via : Initial Calibration



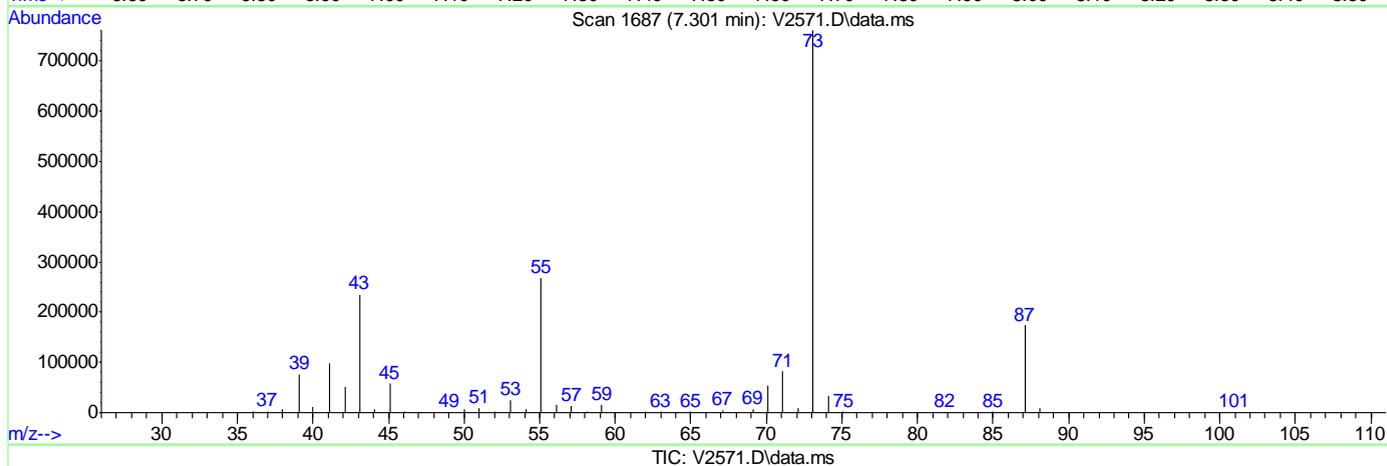
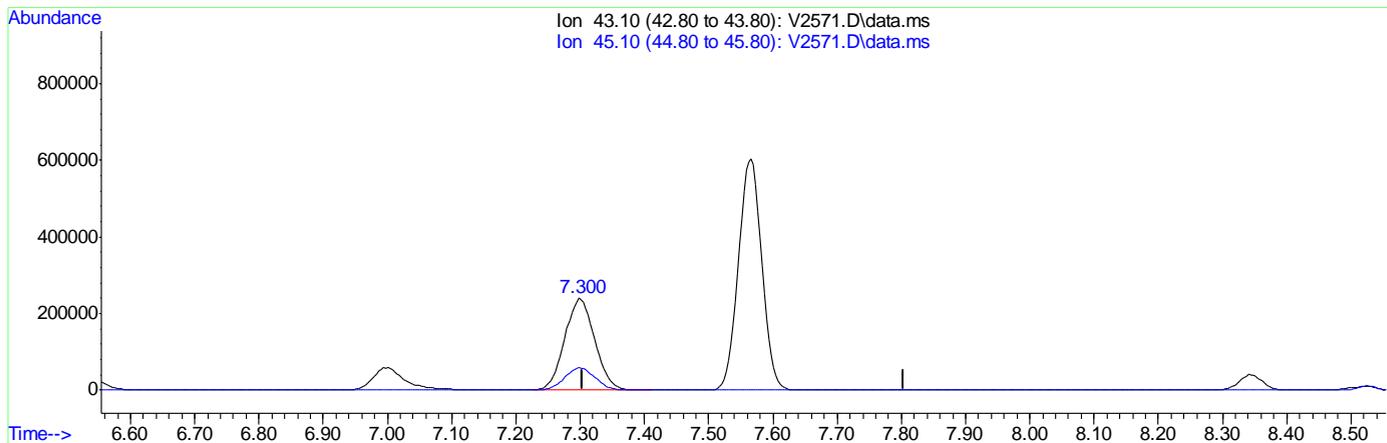
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2571.D
 Acq On : 15 Oct 2011 5:27 pm
 Operator : AMYM
 Sample : ic112-200
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 16 07:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

6.6.19.1

6



(37) ethyl acetate
 7.301min (-0.004) 209.84ug/L m
 response 770117

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2572.D
 Acq On : 15 Oct 2011 5:57 pm
 Operator : AMYM
 Sample : ic112-400
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 16 07:45:30 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.550 | 65 | 174699 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 6.569 | 168 | 393644 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.752 | 114 | 653593 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.097 | 82 | 365087 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.330 | 152 | 330243 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.450 | 113 | 236096 | 49.99 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.98% |
| 60) toluene-d8 (s) | 9.566 | 98 | 828633 | 50.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.00% |
| 82) bromofluorobenzene (s) | 12.253 | 95 | 315018 | 50.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.00% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.647 | 59 | 1742969 | 4000.00 | ug/L | 91 |
| 3) Ethanol | 2.503 | 45 | 662541 | 36682.35 | ug/L | 79 |
| 5) dichlorodifluoromethane | 1.521 | 85 | 2751612 | 399.95 | ug/L | 99 |
| 6) chloromethane | 1.637 | 50 | 2376224 | 399.95 | ug/L | 100 |
| 7) vinyl chloride | 1.750 | 62 | 2742773 | 399.95 | ug/L | 97 |
| 8) bromomethane | 2.028 | 96 | 1410750 | 399.95 | ug/L | 96 |
| 9) chloroethane | 2.120 | 64 | 1146445 | 399.56 | ug/L | 99 |
| 10) ethyl ether | 2.615 | 59 | 1310040 | 399.95 | ug/L | 98 |
| 11) acetonitrile | 3.301 | 41 | 3275099 | 399.95 | ug/L | 96 |
| 12) trichlorofluoromethane | 2.362 | 101 | 3151890 | 399.81 | ug/L | 98 |
| 13) freon-113 | 2.913 | 101 | 2190187 | 399.95 | ug/L | 94 |
| 14) acrolein | 2.768 | 56 | 527710 | 1999.73 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.873 | 96 | 1923568 | 399.95 | ug/L | 97 |
| 16) acetone | 2.922 | 43 | 544675 | 404.88 | ug/L | 99 |
| 17) Methyl Acetate | 3.290 | 43 | 2099916 | 399.95 | ug/L | 94 |
| 18) methylene chloride | 3.473 | 84 | 2330563 | 399.94 | ug/L | 90 |
| 19) methyl tert butyl ether | 3.850 | 73 | 5320447 | 399.99 | ug/L | 95 |
| 20) acrylonitrile | 4.631 | 53 | 3100802 | 1998.21 | ug/L | 100 |
| 21) allyl chloride | 3.301 | 41 | 3275099 | 399.95 | ug/L | 95 |
| 22) trans-1,2-dichloroethene | 3.842 | 96 | 2132803 | 399.95 | ug/L | 95 |
| 23) iodomethane | 3.041 | 142 | 3611296 | 399.95 | ug/L | 99 |
| 24) carbon disulfide | 3.123 | 76 | 7552968 | 399.95 | ug/L | 99 |
| 25) propionitrile | 5.664 | 54 | 306740 | 399.95 | ug/L | 100 |
| 26) vinyl acetate | 4.551 | 43 | 4630936 | 412.24 | ug/L | 97 |
| 27) chloroprene | 4.631 | 53 | 3100802 | 399.64 | ug/L | 97 |
| 28) di-isopropyl ether | 4.617 | 45 | 6775681 | 399.86 | ug/L | 97 |
| 29) methacrylonitrile | 5.932 | 41 | 1410292 | 399.78 | ug/L | 99 |
| 30) 2-butanone | 5.972 | 72 | 252292 | 399.95 | ug/L | 95 |
| 31) Hexane | 4.257 | 41 | 1967032 | 400.25 | ug/L | 97 |
| 32) 1,1-dichloroethane | 4.518 | 63 | 4062714 | 399.95 | ug/L | 100 |
| 33) tert-butyl ethyl ether | 5.289 | 59 | 5900600 | 399.95 | ug/L | 93 |
| 34) isobutyl alcohol | 4.257 | 43 | 1806074 | 2001.48 | ug/L | 97 |
| 35) 2,2-dichloropropane | 5.561 | 77 | 2908551 | 399.95 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 5.541 | 96 | 2443408 | 399.95 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2572.D
 Acq On : 15 Oct 2011 5:57 pm
 Operator : AMYM
 Sample : ic112-400
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 16 07:45:30 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) ethyl acetate | 7.305 | 43 | 1575115m | 400.21 | ug/L | |
| 38) bromochloromethane | 5.962 | 128 | 1132811 | 400.08 | ug/L # | 85 |
| 39) chloroform | 6.179 | 83 | 4039961 | 399.73 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.968 | 42 | 578656 | 399.87 | ug/L | 97 |
| 42) 1,1,1-trichloroethane | 6.423 | 97 | 3357178 | 399.95 | ug/L | 98 |
| 44) Cyclohexane | 6.528 | 56 | 3870987 | 400.00 | ug/L | 95 |
| 45) carbon tetrachloride | 6.675 | 117 | 3092168 | 400.00 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.693 | 75 | 3021982 | 400.00 | ug/L | 98 |
| 47) benzene | 7.013 | 78 | 8668365 | 400.00 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.139 | 62 | 2796409 | 399.92 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.305 | 73 | 5204094 | 399.97 | ug/L | 97 |
| 50) heptane | 7.568 | 43 | 2930715 | 400.07 | ug/L | 98 |
| 51) trichloroethene | 8.044 | 95 | 2289432 | 400.00 | ug/L | 93 |
| 52) 1,2-dichloropropane | 8.395 | 63 | 2436218 | 400.00 | ug/L | 99 |
| 53) dibromomethane | 8.498 | 93 | 1483516 | 400.00 | ug/L | 93 |
| 54) bromodichloromethane | 8.748 | 83 | 3041020 | 400.00 | ug/L | 99 |
| 55) Methylcyclohexane | 8.348 | 83 | 3833947 | 400.07 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.126 | 63 | 1334497 | 400.00 | ug/L | 97 |
| 57) methyl methacrylate | 8.528 | 69 | 1435384 | 400.00 | ug/L | 95 |
| 58) 1,4-dioxane | 8.521 | 88 | 113939 | 2000.00 | ug/L # | 20 |
| 59) cis-1,3-dichloropropene | 9.277 | 75 | 3674420 | 400.02 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 9.462 | 43 | 1913712 | 400.00 | ug/L | 97 |
| 62) toluene | 9.642 | 92 | 5345558 | 399.99 | ug/L | 94 |
| 63) trans-1,3-dichloropropene | 9.930 | 75 | 3027005 | 400.00 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 10.136 | 83 | 1709655 | 399.53 | ug/L | 97 |
| 65) ethyl methacrylate | 10.012 | 69 | 2851586 | 399.71 | ug/L | 95 |
| 67) tetrachloroethene | 10.194 | 166 | 2190648 | 399.99 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.299 | 76 | 3336972 | 399.98 | ug/L | 99 |
| 69) dibromochloromethane | 10.518 | 129 | 2240330 | 400.00 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.628 | 107 | 1984757 | 400.00 | ug/L | 98 |
| 71) 2-hexanone | 10.370 | 43 | 1368462 | 400.06 | ug/L | 97 |
| 72) chlorobenzene | 11.126 | 112 | 5459423 | 399.99 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 11.228 | 131 | 1991401 | 400.00 | ug/L | 98 |
| 74) ethylbenzene | 11.234 | 91 | 9373574 | 400.00 | ug/L | 98 |
| 75) m,p-xylene | 11.365 | 106 | 6955561 | 800.00 | ug/L | 94 |
| 76) o-xylene | 11.734 | 106 | 3641316 | 400.01 | ug/L | 97 |
| 77) styrene | 11.755 | 104 | 6207244 | 400.00 | ug/L | 100 |
| 78) bromoform | 11.927 | 173 | 1580903 | 400.01 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.149 | 53 | 677356 | 400.30 | ug/L | 89 |
| 81) isopropylbenzene | 12.088 | 105 | 8325436 | 399.93 | ug/L | 98 |
| 83) bromobenzene | 12.379 | 156 | 2412388 | 400.00 | ug/L | 93 |
| 84) 1,1,2,2-tetrachloroethane | 12.387 | 83 | 2644703 | 400.76 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.432 | 75 | 2948582 | 386.83 | ug/L | 86 |
| 86) n-propylbenzene | 12.483 | 91 | 10936901 | 400.00 | ug/L | 97 |
| 87) 2-chlorotoluene | 12.560 | 91 | 6836169 | 399.97 | ug/L | 100 |
| 88) 4-chlorotoluene | 12.673 | 91 | 7636106 | 400.00 | ug/L | 100 |
| 89) 1,3,5-trimethylbenzene | 12.653 | 105 | 7847180 | 399.91 | ug/L | 99 |
| 90) tert-butylbenzene | 12.943 | 91 | 4704061 | 400.81 | ug/L | 93 |
| 91) 1,2,4-trimethylbenzene | 12.998 | 105 | 7888425 | 400.10 | ug/L | 98 |
| 92) sec-butylbenzene | 13.149 | 105 | 10155401 | 400.00 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2572.D
 Acq On : 15 Oct 2011 5:57 pm
 Operator : AMYM
 Sample : ic112-400
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 16 07:45:30 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration

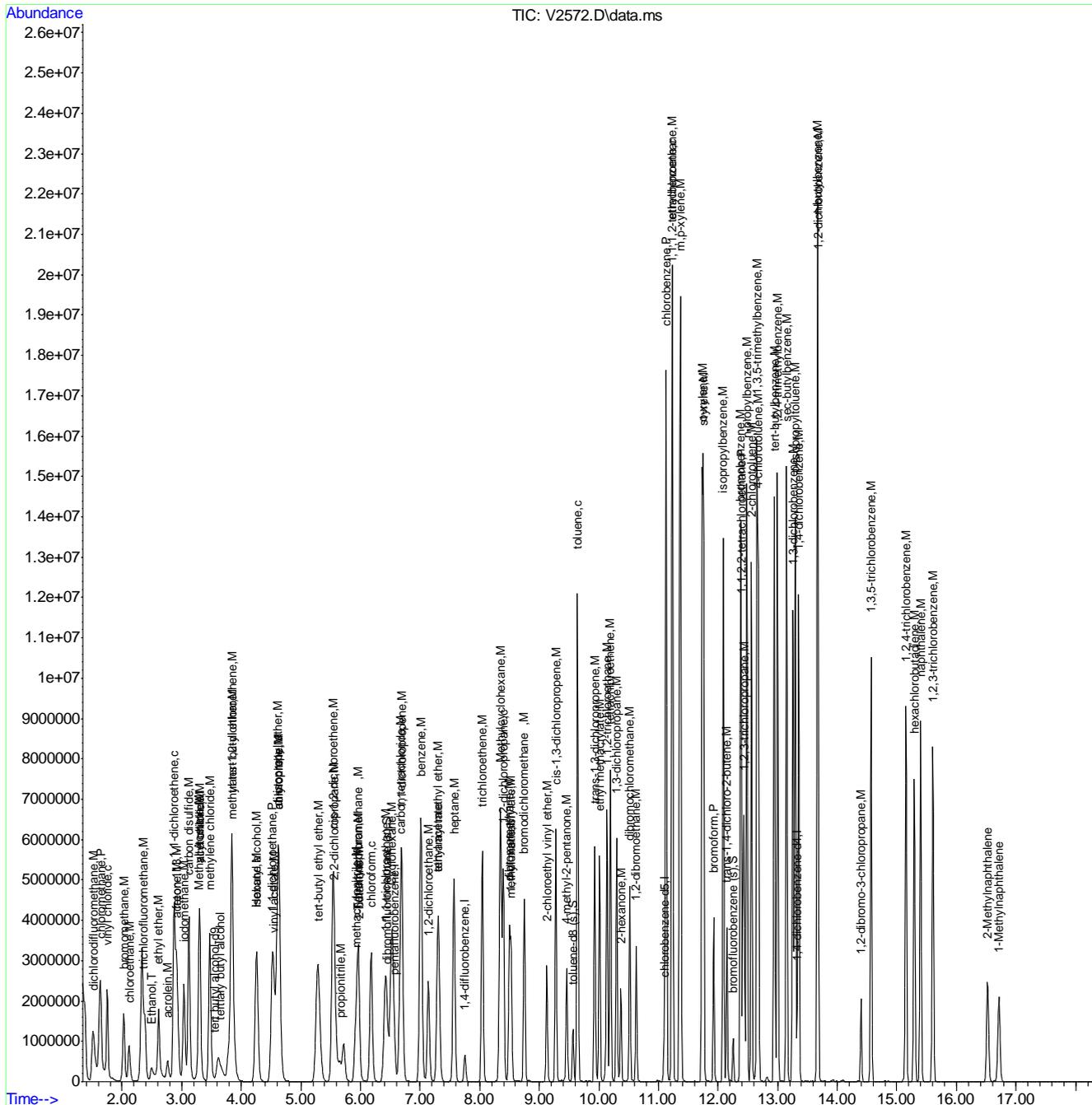
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.256 | 146 | 4317290 | 400.00 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.294 | 119 | 7349463 | 400.11 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.353 | 146 | 4343060 | 399.74 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.675 | 146 | 3973424 | 400.00 | ug/L | 98 |
| 97) n-butylbenzene | 13.666 | 91 | 7713148 | 400.05 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.399 | 75 | 477554 | 400.00 | ug/L | 94 |
| 99) 1,3,5-trichlorobenzene | 14.568 | 180 | 3162720 | 400.00 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 15.153 | 180 | 2879926 | 400.00 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.293 | 225 | 1620616 | 400.00 | ug/L | 98 |
| 102) naphthalene | 15.399 | 128 | 7103285 | 400.00 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.605 | 180 | 2769067 | 400.00 | ug/L | 98 |
| 104) 2-Methylnaphthalene | 16.523 | 142 | 1811088 | 199.99 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.713 | 142 | 1575960 | 200.00 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2572.D
 Acq On : 15 Oct 2011 5:57 pm
 Operator : AMYM
 Sample : ic112-400
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

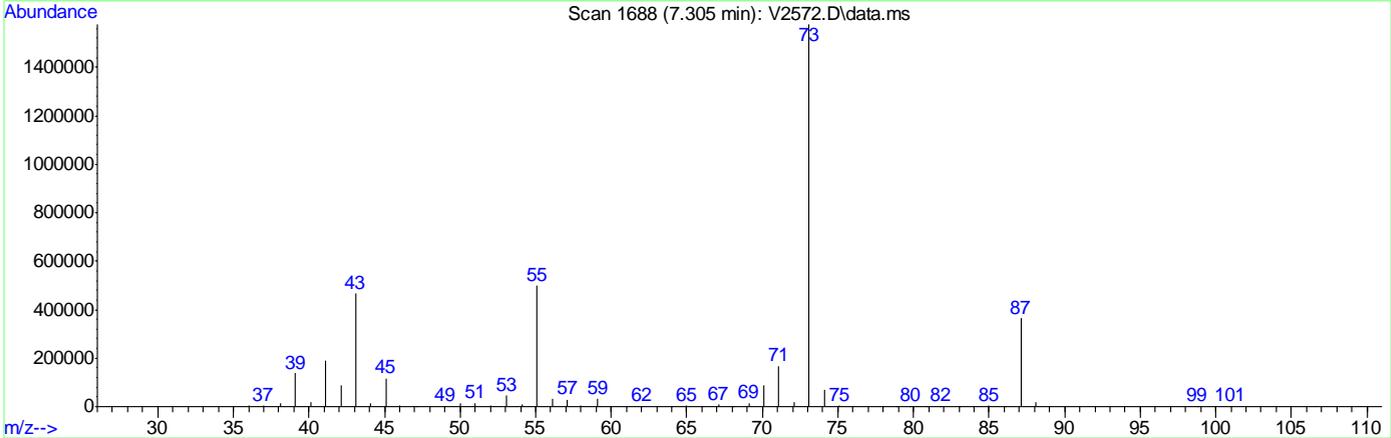
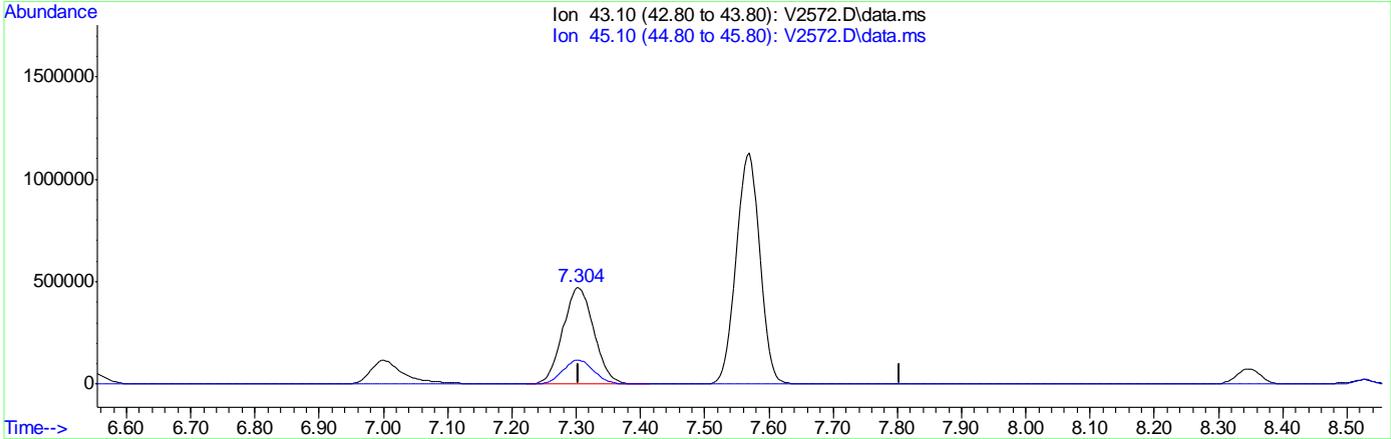
Quant Time: Oct 16 07:45:30 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2572.D
 Acq On : 15 Oct 2011 5:57 pm
 Operator : AMYM
 Sample : ic112-400
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 16 07:29:55 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:29:20 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.305min (0.000) 400.21ug/L m
 response 1575115

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578a.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.517 | 65 | 142283 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.555 | 168 | 396652 | 50.00 | ug/L | -0.01 | |
| 43) 1,4-difluorobenzene | 7.741 | 114 | 662797 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.090 | 82 | 363805 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.325 | 152 | 332790 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.435 | 113 | 246515 | 50.36 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.72% | |
| 60) toluene-d8 (s) | 9.557 | 98 | 857643 | 50.58 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.16% | |
| 82) bromofluorobenzene (s) | 12.247 | 95 | 328373 | 50.61 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.22% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.624 | 59 | 169322 | 496.04 | ug/L | | 96 |
| 3) Ethanol | 2.494 | 45 | 83117 | 3513.76 | ug/L | | 86 |
| 5) dichlorodifluoromethane | 1.516 | 85 | 331532 | 46.16 | ug/L | | 99 |
| 6) chloromethane | 1.616 | 50 | 278884 | 44.76 | ug/L | | 98 |
| 7) vinyl chloride | 1.728 | 62 | 311733 | 45.37 | ug/L | | 97 |
| 8) bromomethane | 2.013 | 96 | 196507 | 52.67 | ug/L | | 96 |
| 9) chloroethane | 2.110 | 64 | 159300 | 51.34 | ug/L | | 98 |
| 10) ethyl ether | 2.606 | 59 | 173694 | 50.98 | ug/L | | 97 |
| 11) acetonitrile | 3.290 | 41 | 406846 | 47.34 | ug/L | | 95 |
| 12) trichlorofluoromethane | 2.350 | 101 | 407681 | 48.08 | ug/L | | 100 |
| 13) freon-113 | 2.901 | 101 | 291062 | 50.47 | ug/L | | 93 |
| 14) acrolein | 2.757 | 56 | 88851 | 349.30 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.863 | 96 | 260504 | 54.40 | ug/L | | 97 |
| 16) acetone | 2.908 | 43 | 119554 | 77.62 | ug/L | | 100 |
| 17) Methyl Acetate | 3.279 | 43 | 277426 | 50.73 | ug/L | | 91 |
| 18) methylene chloride | 3.462 | 84 | 311771 | 47.59 | ug/L | | 89 |
| 19) methyl tert butyl ether | 3.834 | 73 | 601179 | 46.52 | ug/L | | 95 |
| 20) acrylonitrile | 4.615 | 53 | 408162 | 274.24 | ug/L | | 100 |
| 21) allyl chloride | 3.290 | 41 | 407214 | 47.43 | ug/L | | 93 |
| 22) trans-1,2-dichloroethene | 3.830 | 96 | 292927 | 53.57 | ug/L | | 95 |
| 23) iodomethane | 3.030 | 142 | 461217 | 53.52 | ug/L | | 98 |
| 24) carbon disulfide | 3.113 | 76 | 934926 | 49.41 | ug/L | | 99 |
| 25) propionitrile | 5.647 | 54 | 34231 | 46.47 | ug/L | | 100 |
| 26) vinyl acetate | 4.531 | 43 | 427601 | 38.20 | ug/L | | 96 |
| 27) chloroprene | 4.615 | 53 | 408162 | 54.85 | ug/L | | 100 |
| 28) di-isopropyl ether | 4.599 | 45 | 859842 | 51.86 | ug/L | | 97 |
| 29) methacrylonitrile | 5.917 | 41 | 156810 | 46.69 | ug/L | | 97 |
| 30) 2-butanone | 5.957 | 72 | 27529 | 44.82 | ug/L | | 94 |
| 31) Hexane | 4.244 | 41 | 269855 | 51.94 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.503 | 63 | 516535 | 51.42 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.270 | 59 | 667192 | 47.28 | ug/L | | 95 |
| 34) isobutyl alcohol | 4.244 | 43 | 245742 | 267.07 | ug/L | | 96 |
| 35) 2,2-dichloropropane | 5.542 | 77 | 351882 | 50.53 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.525 | 96 | 316450 | 53.09 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578a.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.290 | 43 | 175665m | 46.30 | ug/L | |
| 38) bromochloromethane | 5.947 | 128 | 140780 | 51.04 | ug/L | 86 |
| 39) chloroform | 6.164 | 83 | 510280 | 50.18 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.955 | 42 | 65325 | 47.49 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.407 | 97 | 414145 | 54.24 | ug/L | 95 |
| 44) Cyclohexane | 6.513 | 56 | 501935 | 49.88 | ug/L | 97 |
| 45) carbon tetrachloride | 6.660 | 117 | 378465 | 48.89 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.678 | 75 | 405533 | 54.28 | ug/L | 97 |
| 47) benzene | 6.998 | 78 | 1142685 | 52.91 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.125 | 62 | 350348 | 48.59 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.290 | 73 | 561790 | 46.76 | ug/L | 96 |
| 50) heptane | 7.556 | 43 | 412011 | 55.40 | ug/L | 94 |
| 51) trichloroethene | 8.033 | 95 | 297939 | 53.92 | ug/L | 94 |
| 52) 1,2-dichloropropane | 8.384 | 63 | 302266 | 51.45 | ug/L | 100 |
| 53) dibromomethane | 8.487 | 93 | 177647 | 50.57 | ug/L | 93 |
| 54) bromodichloromethane | 8.739 | 83 | 346468 | 47.29 | ug/L | 98 |
| 55) Methylcyclohexane | 8.336 | 83 | 494217 | 54.71 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.118 | 63 | 133082 | 43.25 | ug/L | 96 |
| 57) methyl methacrylate | 8.519 | 69 | 156538 | 45.47 | ug/L | 92 |
| 58) 1,4-dioxane | 8.506 | 88 | 12484 | 219.63 | ug/L | 61 |
| 59) cis-1,3-dichloropropene | 9.269 | 75 | 418591 | 47.68 | ug/L | 100 |
| 61) 4-methyl-2-pentanone | 9.455 | 43 | 212544 | 44.96 | ug/L | 95 |
| 62) toluene | 9.633 | 92 | 699039 | 52.71 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.923 | 75 | 341389 | 48.29 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 10.128 | 83 | 207492 | 49.79 | ug/L | 97 |
| 65) ethyl methacrylate | 10.005 | 69 | 306968 | 44.70 | ug/L | 94 |
| 67) tetrachloroethene | 10.186 | 166 | 295126 | 54.51 | ug/L | 94 |
| 68) 1,3-dichloropropane | 10.291 | 76 | 403414 | 50.12 | ug/L | 100 |
| 69) dibromochloromethane | 10.511 | 129 | 239495 | 47.38 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.620 | 107 | 233517 | 52.19 | ug/L | 100 |
| 71) 2-hexanone | 10.365 | 43 | 197786 | 57.35 | ug/L | 95 |
| 72) chlorobenzene | 11.119 | 112 | 768797 | 52.78 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.220 | 131 | 254216 | 49.01 | ug/L | 95 |
| 74) ethylbenzene | 11.226 | 91 | 1341484 | 55.41 | ug/L | 100 |
| 75) m,p-xylene | 11.358 | 106 | 992386 | 113.37 | ug/L | 97 |
| 76) o-xylene | 11.727 | 106 | 477493 | 50.73 | ug/L | 99 |
| 77) styrene | 11.748 | 104 | 811090 | 50.13 | ug/L | 98 |
| 78) bromoform | 11.921 | 173 | 141650 | 44.61 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.144 | 53 | 80232 | 48.55 | ug/L | 97 |
| 81) isopropylbenzene | 12.082 | 105 | 1170686 | 53.84 | ug/L | 98 |
| 83) bromobenzene | 12.373 | 156 | 310825 | 52.23 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.381 | 83 | 320030 | 48.40 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.426 | 75 | 327389 | 44.08 | ug/L | 90 |
| 86) n-propylbenzene | 12.475 | 91 | 1569809 | 55.82 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.553 | 91 | 910901 | 53.43 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.667 | 91 | 1063649 | 54.49 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.648 | 105 | 1047151 | 54.02 | ug/L | 98 |
| 90) tert-butylbenzene | 12.938 | 91 | 616596 | 49.57 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 12.993 | 105 | 1048899 | 53.99 | ug/L | 97 |
| 92) sec-butylbenzene | 13.144 | 105 | 1404819 | 55.24 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578a.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.250 | 146 | 580347 | 54.28 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.289 | 119 | 1032389 | 57.32 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.348 | 146 | 585070 | 52.51 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.671 | 146 | 550144 | 52.99 | ug/L | 99 |
| 97) n-butylbenzene | 13.663 | 91 | 1165713 | 57.77 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.399 | 75 | 41965 | 42.54 | ug/L | 85 |
| 99) 1,3,5-trichlorobenzene | 14.566 | 180 | 419339 | 57.05 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 15.154 | 180 | 386013 | 53.18 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.296 | 225 | 218842 | 57.41 | ug/L | 95 |
| 102) naphthalene | 15.401 | 128 | 808299 | 46.27 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.608 | 180 | 356184 | 50.22 | ug/L | 97 |
| 104) 2-Methylnaphthalene | 16.536 | 142 | 323693 | 36.74 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.727 | 142 | 96128 | 12.28 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.517 | 65 | 142283 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.555 | 168 | 396652 | 50.00 | ug/L | -0.01 | |
| 43) 1,4-difluorobenzene | 7.741 | 114 | 662797 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.090 | 82 | 363805 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.325 | 152 | 332790 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.435 | 113 | 246515 | 50.36 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.72% | |
| 60) toluene-d8 (s) | 9.557 | 98 | 857643 | 50.58 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.16% | |
| 82) bromofluorobenzene (s) | 12.247 | 95 | 328373 | 50.61 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.22% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.624 | 59 | 169322 | 496.04 | ug/L | | 96 |
| 3) Ethanol | 2.494 | 45 | 83117 | 3513.76 | ug/L | | 86 |
| 5) dichlorodifluoromethane | 1.516 | 85 | 331532 | 46.16 | ug/L | | 99 |
| 6) chloromethane | 1.616 | 50 | 278884 | 44.76 | ug/L | | 98 |
| 7) vinyl chloride | 1.728 | 62 | 311733 | 45.37 | ug/L | | 97 |
| 8) bromomethane | 2.013 | 96 | 196507 | 52.67 | ug/L | | 96 |
| 9) chloroethane | 2.110 | 64 | 159300 | 51.34 | ug/L | | 98 |
| 10) ethyl ether | 2.606 | 59 | 173694 | 50.98 | ug/L | | 97 |
| 11) acetonitrile | 3.290 | 41 | 406846 | 47.34 | ug/L | | 95 |
| 12) trichlorofluoromethane | 2.350 | 101 | 407681 | 48.08 | ug/L | | 100 |
| 13) freon-113 | 2.901 | 101 | 291062 | 50.47 | ug/L | | 93 |
| 14) acrolein | 2.757 | 56 | 88851 | 349.30 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.863 | 96 | 260504 | 54.40 | ug/L | | 97 |
| 16) acetone | 2.908 | 43 | 119554 | 77.62 | ug/L | | 100 |
| 17) Methyl Acetate | 3.279 | 43 | 277426 | 50.73 | ug/L | | 91 |
| 18) methylene chloride | 3.462 | 84 | 311771 | 47.59 | ug/L | | 89 |
| 19) methyl tert butyl ether | 3.834 | 73 | 601179 | 46.52 | ug/L | | 95 |
| 20) acrylonitrile | 4.615 | 53 | 408162 | 274.24 | ug/L | | 100 |
| 21) allyl chloride | 3.290 | 41 | 407214 | 47.43 | ug/L | | 93 |
| 22) trans-1,2-dichloroethene | 3.830 | 96 | 292927 | 53.57 | ug/L | | 95 |
| 23) iodomethane | 3.030 | 142 | 461217 | 53.52 | ug/L | | 98 |
| 24) carbon disulfide | 3.113 | 76 | 934926 | 49.41 | ug/L | | 99 |
| 25) propionitrile | 5.647 | 54 | 34231 | 46.47 | ug/L | | 100 |
| 26) vinyl acetate | 4.531 | 43 | 427601 | 38.20 | ug/L | | 96 |
| 27) chloroprene | 4.615 | 53 | 408162 | 54.85 | ug/L | | 100 |
| 28) di-isopropyl ether | 4.599 | 45 | 859842 | 51.86 | ug/L | | 97 |
| 29) methacrylonitrile | 5.917 | 41 | 156810 | 46.69 | ug/L | | 97 |
| 30) 2-butanone | 5.957 | 72 | 27529 | 44.82 | ug/L | | 94 |
| 31) Hexane | 4.244 | 41 | 269855 | 51.94 | ug/L | | 99 |
| 32) 1,1-dichloroethane | 4.503 | 63 | 516535 | 51.42 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 5.270 | 59 | 667192 | 47.28 | ug/L | | 95 |
| 34) isobutyl alcohol | 4.244 | 43 | 245742 | 267.07 | ug/L | | 96 |
| 35) 2,2-dichloropropane | 5.542 | 77 | 351882 | 50.53 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.525 | 96 | 316450 | 53.09 | ug/L | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.290 | 43 | 175665m | 46.30 | ug/L | |
| 38) bromochloromethane | 5.947 | 128 | 140780 | 51.04 | ug/L | 86 |
| 39) chloroform | 6.164 | 83 | 510280 | 50.18 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.955 | 42 | 65325 | 47.49 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.407 | 97 | 414145 | 54.24 | ug/L | 95 |
| 44) Cyclohexane | 6.513 | 56 | 501935 | 49.88 | ug/L | 97 |
| 45) carbon tetrachloride | 6.660 | 117 | 378465 | 48.89 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.678 | 75 | 405533 | 54.28 | ug/L | 97 |
| 47) benzene | 6.998 | 78 | 1142685 | 52.91 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.125 | 62 | 350348 | 48.59 | ug/L | 100 |
| 49) tert-amyl methyl ether | 7.290 | 73 | 561790 | 46.76 | ug/L | 96 |
| 50) heptane | 7.556 | 43 | 412011 | 55.40 | ug/L | 94 |
| 51) trichloroethene | 8.033 | 95 | 297939 | 53.92 | ug/L | 94 |
| 52) 1,2-dichloropropane | 8.384 | 63 | 302266 | 51.45 | ug/L | 100 |
| 53) dibromomethane | 8.487 | 93 | 177647 | 50.57 | ug/L | 93 |
| 54) bromodichloromethane | 8.739 | 83 | 346468 | 47.29 | ug/L | 98 |
| 55) Methylcyclohexane | 8.336 | 83 | 494217 | 54.71 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 9.118 | 63 | 133082 | 43.25 | ug/L | 96 |
| 57) methyl methacrylate | 8.519 | 69 | 156538 | 45.47 | ug/L | 92 |
| 58) 1,4-dioxane | 8.506 | 88 | 12484 | 219.63 | ug/L | 61 |
| 59) cis-1,3-dichloropropene | 9.269 | 75 | 418591 | 47.68 | ug/L | 100 |
| 61) 4-methyl-2-pentanone | 9.455 | 43 | 212544 | 44.96 | ug/L | 95 |
| 62) toluene | 9.633 | 92 | 699039 | 52.71 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.923 | 75 | 341389 | 48.29 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 10.128 | 83 | 207492 | 49.79 | ug/L | 97 |
| 65) ethyl methacrylate | 10.005 | 69 | 306968 | 44.70 | ug/L | 94 |
| 67) tetrachloroethene | 10.186 | 166 | 295126 | 54.51 | ug/L | 94 |
| 68) 1,3-dichloropropane | 10.291 | 76 | 403414 | 50.12 | ug/L | 100 |
| 69) dibromochloromethane | 10.511 | 129 | 239495 | 47.38 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.620 | 107 | 233517 | 52.19 | ug/L | 100 |
| 71) 2-hexanone | 10.365 | 43 | 197786 | 57.35 | ug/L | 95 |
| 72) chlorobenzene | 11.119 | 112 | 768797 | 52.78 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 11.220 | 131 | 254216 | 49.01 | ug/L | 95 |
| 74) ethylbenzene | 11.226 | 91 | 1341484 | 55.41 | ug/L | 100 |
| 75) m,p-xylene | 11.358 | 106 | 992386 | 113.37 | ug/L | 97 |
| 76) o-xylene | 11.727 | 106 | 477493 | 50.73 | ug/L | 99 |
| 77) styrene | 11.748 | 104 | 811090 | 50.13 | ug/L | 98 |
| 78) bromoform | 11.921 | 173 | 141650 | 44.61 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.144 | 53 | 80232 | 48.55 | ug/L | 97 |
| 81) isopropylbenzene | 12.082 | 105 | 1170686 | 53.84 | ug/L | 98 |
| 83) bromobenzene | 12.373 | 156 | 310825 | 52.23 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.381 | 83 | 320030 | 48.40 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.426 | 75 | 327389 | 44.08 | ug/L | 90 |
| 86) n-propylbenzene | 12.475 | 91 | 1569809 | 55.82 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.553 | 91 | 910901 | 53.43 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.667 | 91 | 1063649 | 54.49 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.648 | 105 | 1047151 | 54.02 | ug/L | 98 |
| 90) tert-butylbenzene | 12.938 | 91 | 616596 | 49.57 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 12.993 | 105 | 1048899 | 53.99 | ug/L | 97 |
| 92) sec-butylbenzene | 13.144 | 105 | 1404819 | 55.24 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration

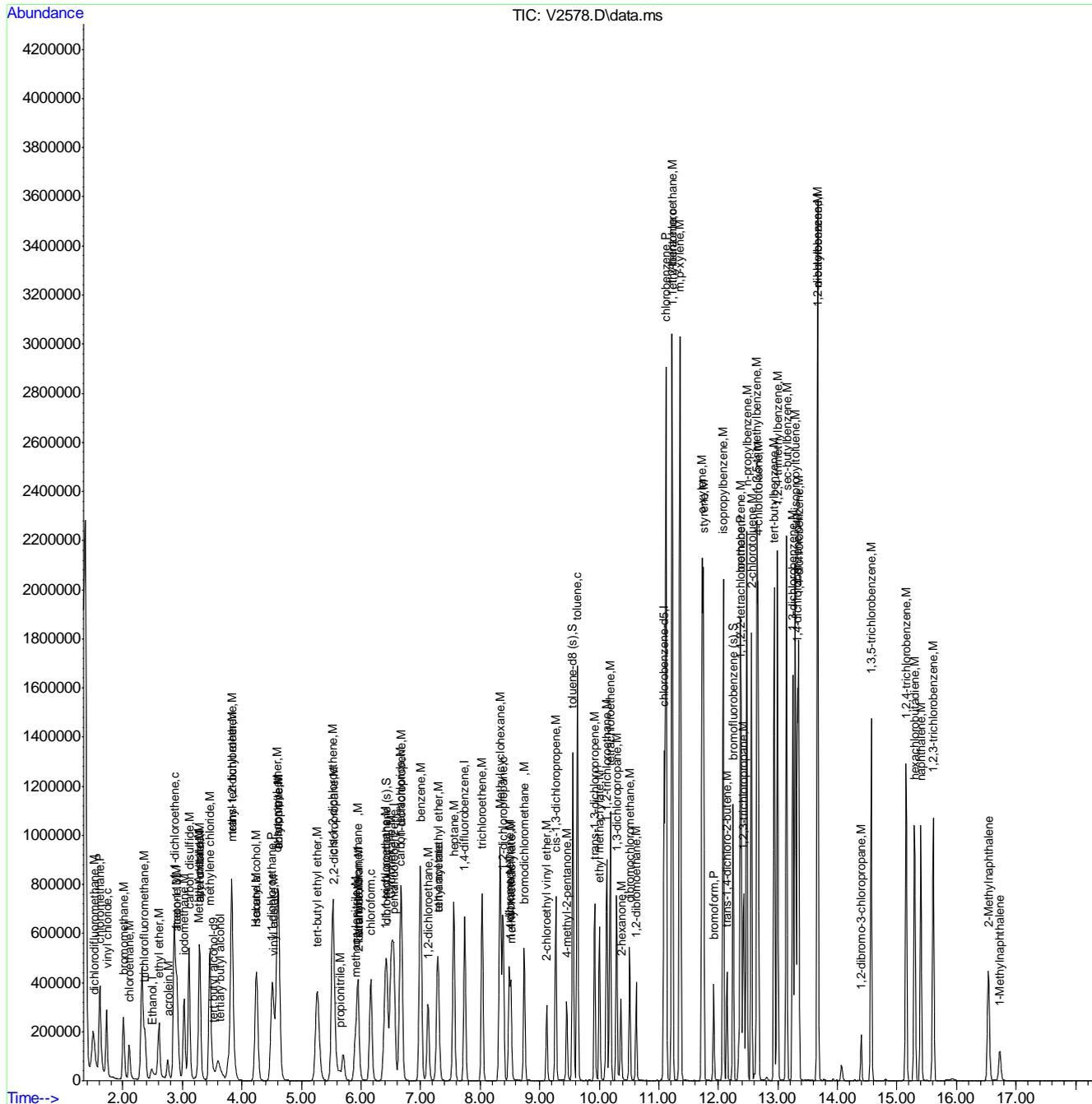
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.250 | 146 | 580347 | 54.28 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.289 | 119 | 1032389 | 57.32 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.348 | 146 | 585070 | 52.51 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.671 | 146 | 550144 | 52.99 | ug/L | 99 |
| 97) n-butylbenzene | 13.663 | 91 | 1165713 | 57.77 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.399 | 75 | 41965 | 42.54 | ug/L | 85 |
| 99) 1,3,5-trichlorobenzene | 14.566 | 180 | 419339 | 57.05 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 15.154 | 180 | 386013 | 53.18 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.296 | 225 | 218842 | 57.41 | ug/L | 95 |
| 102) naphthalene | 15.401 | 128 | 808299 | 46.27 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.608 | 180 | 356184 | 50.22 | ug/L | 97 |
| 104) 2-Methylnaphthalene | 16.536 | 142 | 323693 | 36.74 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.727 | 142 | 96128 | 12.28 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

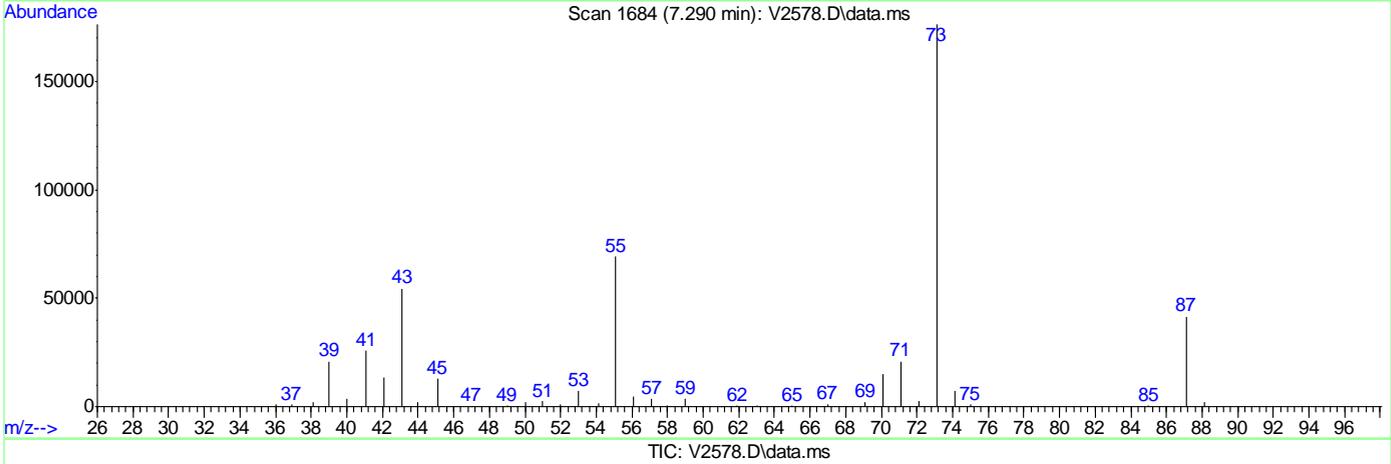
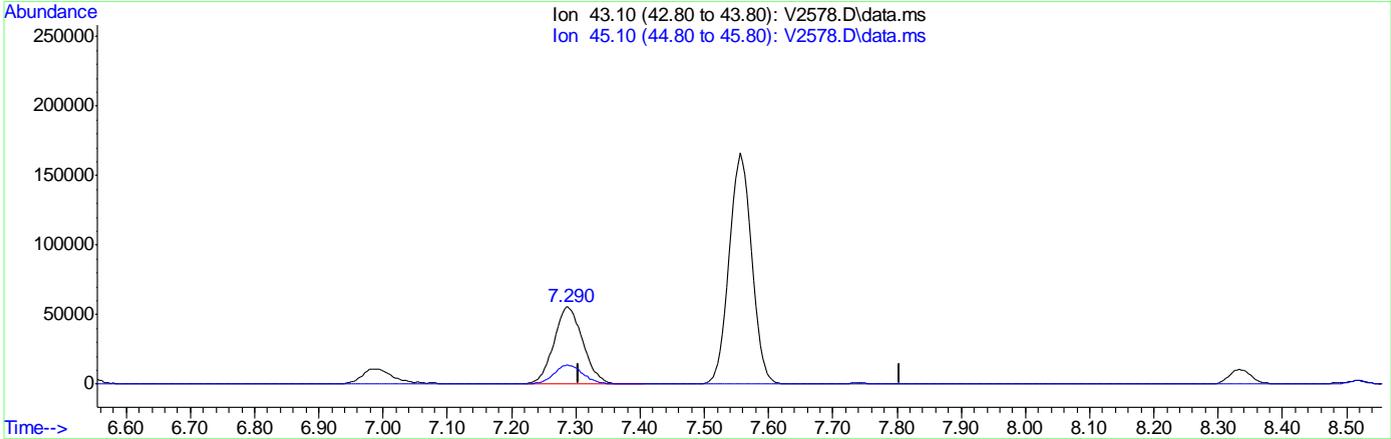
Quant Time: Oct 17 13:20:27 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2578.D
 Acq On : 17 Oct 2011 9:16 am
 Operator : AMYM
 Sample : icv112-50
 Misc : MS24138,MSV112,5,,,5,1
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 17 13:18:42 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:46:14 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.290min (-0.015) 46.30ug/L m
 response 175665

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Operator : AMYM
 Sample : ccl12-50
 Misc : MS24155,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:17:57 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.527 | 65 | 159585 | 500.00 | ug/L | -0.02 |
| 4) pentafluorobenzene | 6.554 | 168 | 353746 | 50.00 | ug/L | -0.01 |
| 43) 1,4-difluorobenzene | 7.740 | 114 | 597202 | 50.00 | ug/L | -0.01 |
| 66) chlorobenzene-d5 | 11.088 | 82 | 336994 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.323 | 152 | 304709 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.434 | 113 | 225621 | 51.68 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.36% |
| 60) toluene-d8 (s) | 9.556 | 98 | 779066 | 50.99 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.98% |
| 82) bromofluorobenzene (s) | 12.245 | 95 | 295457 | 49.73 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.46% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.630 | 59 | 199025 | 519.85 | ug/L | 95 |
| 3) Ethanol | 2.495 | 45 | 99681 | 3743.88 | ug/L # | 78 |
| 5) dichlorodifluoromethane | 1.517 | 85 | 365204 | 57.02 | ug/L | 100 |
| 6) chloromethane | 1.618 | 50 | 306528 | 55.17 | ug/L | 100 |
| 7) vinyl chloride | 1.730 | 62 | 350063 | 57.13 | ug/L | 97 |
| 8) bromomethane | 2.014 | 96 | 195877 | 58.87 | ug/L | 94 |
| 9) chloroethane | 2.112 | 64 | 160182 | 57.89 | ug/L | 99 |
| 10) ethyl ether | 2.606 | 59 | 168205 | 55.36 | ug/L | 99 |
| 11) acetonitrile | 3.291 | 41 | 421163 | 55.15 | ug/L | 97 |
| 12) trichlorofluoromethane | 2.350 | 101 | 433587 | 57.34 | ug/L | 99 |
| 13) freon-113 | 2.901 | 101 | 295631 | 57.48 | ug/L | 94 |
| 14) acrolein | 2.759 | 56 | 69397 | 305.91 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.863 | 96 | 246742 | 57.78 | ug/L | 93 |
| 16) acetone | 2.913 | 43 | 132345 | 98.61 | ug/L | 96 |
| 17) Methyl Acetate | 3.281 | 43 | 286658 | 58.77 | ug/L # | 91 |
| 18) methylene chloride | 3.462 | 84 | 299607 | 51.70 | ug/L | 86 |
| 19) methyl tert butyl ether | 3.835 | 73 | 616695 | 53.17 | ug/L | 94 |
| 20) acrylonitrile | 4.616 | 53 | 410079 | 308.95 | ug/L | 100 |
| 21) allyl chloride | 3.291 | 41 | 420991 | 55.16 | ug/L | 90 |
| 22) trans-1,2-dichloroethene | 3.830 | 96 | 283157 | 58.07 | ug/L | 94 |
| 23) iodomethane | 3.030 | 142 | 445164 | 57.92 | ug/L | 97 |
| 24) carbon disulfide | 3.113 | 76 | 945193 | 55.88 | ug/L | 99 |
| 25) propionitrile | 5.647 | 54 | 39786 | 60.56 | ug/L | 100 |
| 26) vinyl acetate | 4.536 | 43 | 581483 | 57.05 | ug/L | 95 |
| 27) chloroprene | 4.616 | 53 | 410079 | 61.79 | ug/L | 94 |
| 28) di-isopropyl ether | 4.600 | 45 | 881286 | 59.60 | ug/L | 95 |
| 29) methacrylonitrile | 5.917 | 41 | 183935 | 61.41 | ug/L | 93 |
| 30) 2-butanone | 5.958 | 72 | 31289 | 56.50 | ug/L | 77 |
| 31) Hexane | 4.244 | 41 | 287468 | 62.04 | ug/L | 97 |
| 32) 1,1-dichloroethane | 4.504 | 63 | 516623 | 57.66 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 5.270 | 59 | 665077 | 52.49 | ug/L | 92 |
| 34) isobutyl alcohol | 4.244 | 43 | 257060 | 313.26 | ug/L | 97 |
| 35) 2,2-dichloropropane | 5.542 | 77 | 342807 | 54.89 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 5.525 | 96 | 311653 | 58.63 | ug/L | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Operator : AMYM
 Sample : ccl12-50
 Misc : MS24155,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:17:57 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.290 | 43 | 179937m | 52.76 | ug/L | |
| 38) bromochloromethane | 5.947 | 128 | 140296 | 57.04 | ug/L | # 83 |
| 39) chloroform | 6.164 | 83 | 514672 | 56.75 | ug/L | 100 |
| 41) Tetrahydrofuran | 5.955 | 42 | 77443 | 63.13 | ug/L | 88 |
| 42) 1,1,1-trichloroethane | 6.406 | 97 | 410347 | 60.26 | ug/L | 96 |
| 44) Cyclohexane | 6.512 | 56 | 517189 | 57.04 | ug/L | 96 |
| 45) carbon tetrachloride | 6.659 | 117 | 377935 | 54.06 | ug/L | 95 |
| 46) 1,1-dichloropropene | 6.677 | 75 | 399929 | 59.41 | ug/L | 98 |
| 47) benzene | 6.997 | 78 | 1126448 | 57.88 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.124 | 62 | 365739 | 56.30 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.289 | 73 | 560103 | 51.24 | ug/L | 94 |
| 50) heptane | 7.555 | 43 | 427183 | 63.75 | ug/L | 93 |
| 51) trichloroethene | 8.032 | 95 | 295401 | 59.33 | ug/L | 93 |
| 52) 1,2-dichloropropane | 8.383 | 63 | 303894 | 57.41 | ug/L | 99 |
| 53) dibromomethane | 8.486 | 93 | 182543 | 57.68 | ug/L | 92 |
| 54) bromodichloromethane | 8.738 | 83 | 347821 | 52.34 | ug/L | 99 |
| 55) Methylcyclohexane | 8.335 | 83 | 501060 | 61.56 | ug/L | 94 |
| 56) 2-chloroethyl vinyl ether | 9.117 | 63 | 144780 | 51.28 | ug/L | 97 |
| 57) methyl methacrylate | 8.518 | 69 | 171998 | 54.75 | ug/L | 91 |
| 58) 1,4-dioxane | 8.500 | 88 | 12996 | 252.50 | ug/L | 78 |
| 59) cis-1,3-dichloropropene | 9.268 | 75 | 414083 | 52.02 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.454 | 43 | 241771 | 56.24 | ug/L | 93 |
| 62) toluene | 9.632 | 92 | 690473 | 57.78 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.921 | 75 | 331212 | 51.65 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.126 | 83 | 215657 | 57.44 | ug/L | 97 |
| 65) ethyl methacrylate | 10.004 | 69 | 340148 | 54.28 | ug/L | 92 |
| 67) tetrachloroethene | 10.184 | 166 | 288328 | 57.49 | ug/L | 95 |
| 68) 1,3-dichloropropane | 10.290 | 76 | 418421 | 56.12 | ug/L | 100 |
| 69) dibromochloromethane | 10.510 | 129 | 237063 | 50.27 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.619 | 107 | 239385 | 57.76 | ug/L | 99 |
| 71) 2-hexanone | 10.365 | 43 | 206350 | 64.54 | ug/L | 93 |
| 72) chlorobenzene | 11.118 | 112 | 758250 | 56.19 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 11.218 | 131 | 250159 | 52.14 | ug/L | 97 |
| 74) ethylbenzene | 11.224 | 91 | 1327817 | 59.20 | ug/L | 100 |
| 75) m,p-xylene | 11.356 | 106 | 979942 | 120.85 | ug/L | 99 |
| 76) o-xylene | 11.725 | 106 | 469102 | 53.87 | ug/L | 99 |
| 77) styrene | 11.746 | 104 | 797393 | 53.30 | ug/L | 98 |
| 78) bromoform | 11.920 | 173 | 146556 | 48.73 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.142 | 53 | 84737 | 55.11 | ug/L | 94 |
| 81) isopropylbenzene | 12.081 | 105 | 1085581 | 54.55 | ug/L | 98 |
| 83) bromobenzene | 12.371 | 156 | 303711 | 55.73 | ug/L | 89 |
| 84) 1,1,2,2-tetrachloroethane | 12.379 | 83 | 347249 | 57.36 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 12.425 | 75 | 361992 | 53.06 | ug/L | 93 |
| 86) n-propylbenzene | 12.473 | 91 | 1570967 | 61.01 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.551 | 91 | 911014 | 58.36 | ug/L | 99 |
| 88) 4-chlorotoluene | 12.665 | 91 | 1047424 | 58.60 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.645 | 105 | 1053751 | 59.36 | ug/L | 100 |
| 90) tert-butylbenzene | 12.935 | 91 | 606515 | 53.38 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 12.990 | 105 | 1043442 | 58.66 | ug/L | 98 |
| 92) sec-butylbenzene | 13.142 | 105 | 1385885 | 59.52 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Operator : AMYM
 Sample : cc112-50
 Misc : MS24155,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 09:17:57 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.248 | 146 | 564234 | 57.63 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.287 | 119 | 1008242 | 61.13 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.345 | 146 | 575619 | 56.42 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 13.668 | 146 | 545434 | 57.38 | ug/L | 98 |
| 97) n-butylbenzene | 13.660 | 91 | 1163009 | 62.95 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.396 | 75 | 47056 | 50.24 | ug/L | 87 |
| 99) 1,3,5-trichlorobenzene | 14.563 | 180 | 421814 | 62.68 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.150 | 180 | 370053 | 55.65 | ug/L | 99 |
| 101) hexachlorobutadiene | 15.291 | 225 | 206243 | 59.09 | ug/L | 97 |
| 102) naphthalene | 15.396 | 128 | 857915 | 53.34 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.603 | 180 | 349337 | 53.80 | ug/L | 100 |
| 104) 2-Methylnaphthalene | 16.528 | 142 | 224945 | 28.41 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.717 | 142 | 188746 | 25.85 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

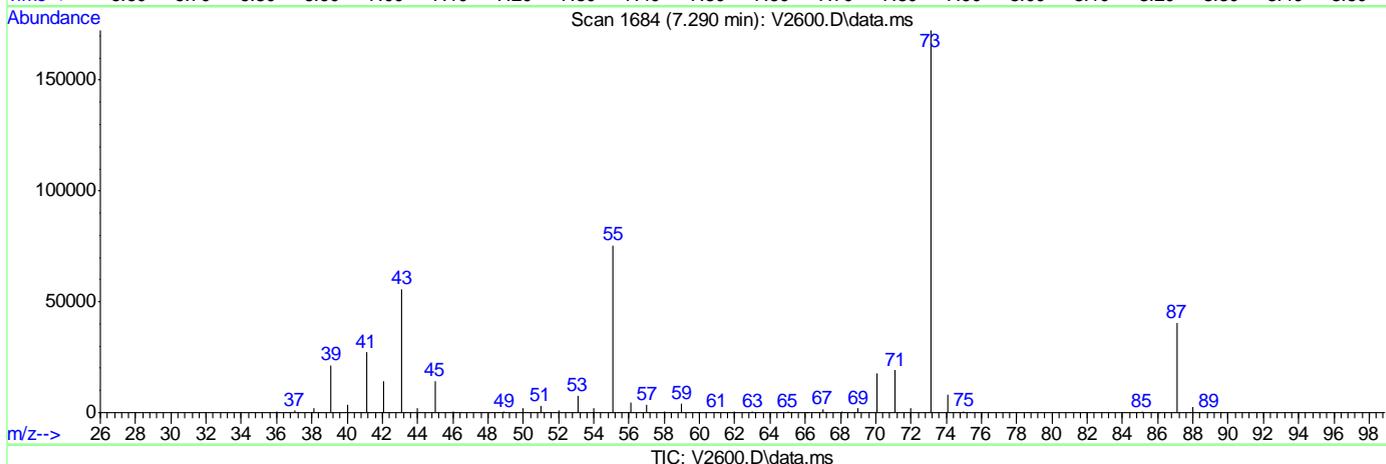
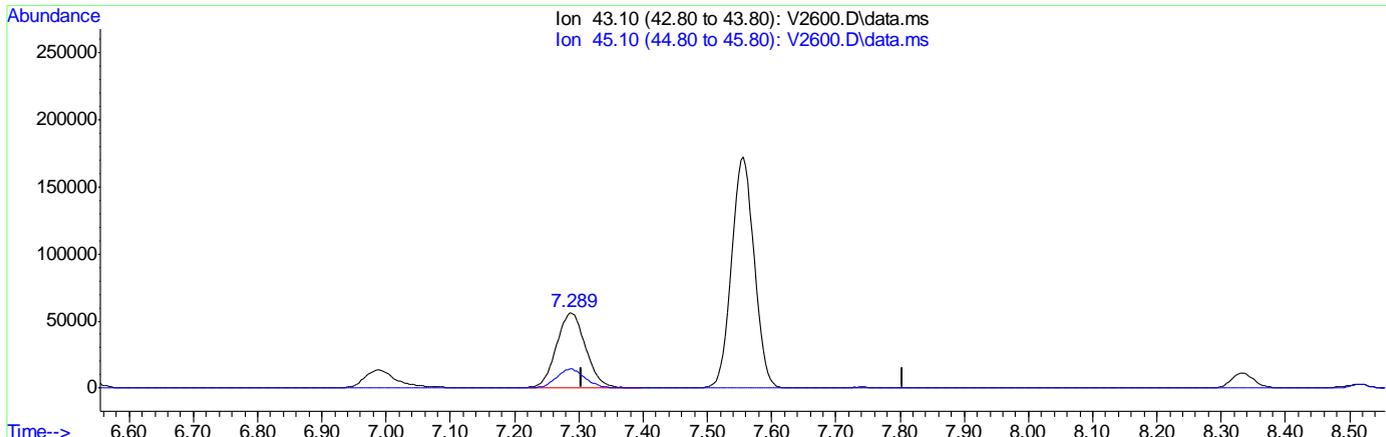
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2600.D
 Acq On : 17 Oct 2011 8:52 pm
 Operator : AMYM
 Sample : cc112-50
 Misc : MS24155,MSV114,5,,,5,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 07:44:09 2011
 Quant Method : C:\msdchem\1\METHODS\v101511s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sun Oct 16 07:56:34 2011
 Response via : Initial Calibration

6.6.23.1

6



(37) ethyl acetate
 7.290min (-0.015) 52.76ug/L m
 response 179937

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|----------------|-----------|
| MS 8404 | 8260 Int. Std | 125 µg/ml |
| MS 8323 | 8260 Surrogate | 200 µg/ml |
| MS 8412 | 8260 Cal. Std | 200 µg/ml |
| MS 8390 | 8260 B.S. | 200 µg/ml |
| MS 8413 | 8260 Int./Sur | 125 µg/ml |

| | |
|--------------------|-----------|
| Tune file 1: | N55779 |
| Tune file 2: | N55789 |
| Initial Cal: | 10/7/11 |
| ID File: | N087116.m |
| ICAL Verified: | N55790 |
| Sequence verified: | 9/10/11 |

Date: 10/07/11
 Batch ID: MSN2093
 Analysts:
 Signature: JHD

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|------------------|---------|------------|--------------------|-------|------|-----------|---------|------------|-----|--------------|
| N55779 | BFB | N/A | N/A | N/A | 16 | N/A | 5ml | N/A | 1:1 | N/A | |
| 780 | IC2093-05 | | MS8413 | | 17 | | | | | | |
| 781 | IC2093-1 | | | | 18 | | | | | | |
| 782 | IC2093-2 | | | | 19 | | | | | | |
| 783 | IC2093-5 | | | | 20 | | | | | | |
| 784 | IC2093-25 | | | | 21 | | | | | | |
| 785 | IC2093-50 | | | | 22 | | | | | | |
| 786 | IC2093-100 | | | | 23 | | | | | | |
| 787 | IC2093-200 | | | | 24 | | | | | | |
| 788 | IC2093-400 | | | | 25 | | | | | | |
| 789 | BFB | | | | 26 | | | | | | |
| 790 | CC2093/IC2093/B2 | 2 | MS8413 | | 27 | | | | | | |
| 791 | MB | N/A | N/A | | 28 | | | | | | |
| 792 | MB | | | | 29 | | | | | | |
| 793 | mch1067-13 | 3 | MS2058 | V8260 REP | 30 | GW | | | | | >2 sum + CFJ |
| 794 | mb -16 | 2 | | | 31 | | | | | | >2 sum + CFJ |
| 795 | -2 | 2 | | | 32 | | | | 1:10 | | <2 |
| 796 | -11 | 3 | | | 33 | | | | 1:10 | | |
| 797 | mch127-3 | 5 | MS2058 | V8260 + STD + MTBE | 34 | GW | | | 1:10 | | |
| 798 | -8 | 12 | | | 35 | GW | | | 1:10 | | |
| 799 | -9 | 1 | | | 36 | WTB | | | 1:1 | | |
| 800 | mch171-4 | 1 | | | 37 | WTB | | | | | |
| 801 | mch105-11 | 2 | | V8260 REP | 38 | WTB | | | | | |
| 802 | mch103-5 | 11 | | | 39 | GW | | | | | |
| 803 | -5mg sil67 | | | | 40 | WMS | | | 1:59 | | |
| 804 | -5mg sil67 | | | | 41 | WDP | | | 1:31 | | |
| 805 | mch105-1 | 3 | | | 42 | GW | | | 1:1 | | |
| 806 | -5 | 3 | | | 43 | | | | | | |
| 807 | mch127-1 | 12 | | V8260 STD + MTBE | 44 | | | | | | |
| 808 | -2 | 11 | | | 45 | | | | | | |
| 809 | -4 | 7 | | | 46 | | | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml for water.

MS001-04 Date: 12/02/08

Continue on pg 10

Review: *[Signature]* 10/8/11

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|--------|--------------|---------|
| MS8404 | V826 Std | 125 ppm |
| MS8373 | " Sample Std | 200 ppm |
| MS8412 | " Cal Std | |
| MS8390 | " BSC Std | |
| MS8413 | " ILS | 125 ppm |

| |
|------------------------|
| Tune file 1: |
| Tune file 2: |
| Initial Cal: 10/07/11 |
| ID File: N100711W.M |
| ICAL Verified: |
| Sequence verified: JHP |

Date: 10/07/11

Batch ID: MSN2093

Analysts

Signature: JHP

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|----------|-------|------|-----------|---------|------------|-----|------------------------|
| MS8810 | MCH127-5 | 12 | MS20058 | V826 STD | 47 | W | 5ml | N/A | 1:1 | 12 | RR-1:50 on End |
| | " | -6 | | 1-100 | 48 | | | | | | RR-1:1 on End |
| | " | -7 | | | 49 | | | | | | RR-1:1 on End |
| 15 | MS471-12 | 2 | | | 50 | | | | | | |
| 16 | "-13 | 2 | | | 51 | | | | | | RR 1x, out of BFB time |
| 15 | Blank | N/A | N/A | N/A | 52 | N/A | | | | N/A | |

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml's for water.

Standards Data

| Lot # | Description | Conc |
|--------|---------------|---------|
| M58413 | 8260 Int/Surr | 125 ppm |
| 8412 | V8260 Cal STD | 200 ppm |
| V8390 | V8260 BS | 200 ppm |

Daily Saved File

| |
|------------------------|
| Tune file 1: N5b185 |
| Tune file 2: NA |
| Initial Cal: 100711 |
| ID File: 100711W.M |
| ICAL Verified: PCR |
| Sequence verified: PCR |

Date: 10/15/11

Batch ID: MSN2108

Analysts: JT

Signature: *Diana Taylor*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|------------|---------|------------|------------|-------|------|-----------|---------|------------|----|-------------|
| 150172 | CC2093-50 | 3 | M58412 | NA | 15 | NA | 5mL | NA | 1:1 | | |
| 186158 | BS | 2 | M58390 | | 16 | | | | | | |
| 187159 | B30 | 2 | M58390 | | 17 | | | | | | |
| 188160 | MB | | NA | | 18 | | | | | | |
| 189161 | MB | | | | 19 | | | | | | |
| 190162 | MC4644-1 | 4 | M52416 | V8260 STD | 20 | IN | | | 1X | | |
| 191163 | MC4644-1MS | 5 | | | 21 | | | | 1X | | |
| 192164 | -1MS | 5 | | | 22 | | | | 1X | | |
| 193165 | -1 | 5 | | | 23 | | | | 20x | | RR straight |
| 194166 | -2 | 5 | | | 24 | EF | | | 1X | | |
| 195167 | -3 | 1 | | | 25 | WTB | | | 1X | | |
| 196168 | MC4550-1 | 1 | | | 26 | WTB | | | 1X | | |
| 197169 | MC4550-2 | 3 | | | 27 | GW | | | 1X | | |
| 198170 | MC4550-3 | 3 | | | 28 | | | | 1X | | |
| 199171 | MC4550-4 | 2 | | | 29 | | | | 1X | | |
| 200172 | MC4550-5 | 1 | | | 30 | | | | 1X | | |
| 201173 | MC4387-1 | 1 | | V8260 SL | 31 | WTB | | | 1X | | |
| 202174 | MC4405-6 | 1 | | V8260 BTKM | 32 | WTB | | | 1X | | |
| 203175 | MC4424-2 | 2 | | V8260 RCP | 33 | WEB | | | 1X | | |
| 204176 | MC4408-2 | 3 | | V8260 STD | 34 | GW | | | 1X | | |
| 205177 | MC4457-5 | 3 | | | 35 | | | | 1X | | RR=1:20 |
| 206178 | MC4457-7 | 3 | | | 36 | | | | 1X | | RR=1:100 |
| 207179 | MC4492-2 | 6 | | V8260 RCP | 37 | WEB | | | 1X | | CO? |
| 208180 | MC4509-7 | 4 | | V8260 STD | 38 | GW | | | 1X | | CO? |
| 209181 | MC4509-8 | 3 | | | 39 | | | | 1X | | CO? |
| 210182 | MC4509-9 | 4 | | | 40 | | | | 1X | | CO? |

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mL for water.

MS001-04 Date: 12/02/08

Review: *Diana Taylor* 10/18/11

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|------------------|----------------|
| MS 8412 | V B20 Cal STD | 200 μ g/ml |
| 8390 | V B20 B (bnd. S) | 200 |
| 8362 | V B20 2.5 | 250 |
| 8358 | V B20 5.5 | 250 |

| | |
|--------------------|---------------------|
| Tune file 1: | V2553 |
| Tune file 2: | NA |
| Initial Cal: | 10/15/11 |
| ID File: | V1015115W/101511MCP |
| ICAL Verified: | |
| Sequence verified: | 2 |

Date: 10/15/11
 Batch ID: MSV 112 / MSV 113
 Analysts: _____
 Signature: *[Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|------------|---------|------------|------|-------|------|-----------|-------|------------|----|------------------|
| V2556 | blk | NA | NA | NA | 1 | NA | NA | NA | NA | | |
| 57 | cc 67-50 | 2 | MS 8412 | | 2 | | | | | | recalre |
| 58 | BS | 3 | MS 8390 | | 3 | | | | | | |
| 59 | MB | NA | NA | | 4 | | | | | | |
| 60 | blk | | | | 5 | | | | | | |
| 61 | | | | | 6 | | | | | | |
| 62 | | | | | 7 | | | | | | |
| 63 | | | | | 8 | | | | | | |
| 64 | ic 112-0.5 | 3 | MS 8412 | | 9 | | | | | | V2556A ic113-0.5 |
| 65 | -2 | | | | 10 | | | | | | 65A -2 |
| 66 | -5 | | | | 11 | | | | | | 66A -5 |
| 67 | -10 | | | | 12 | | | | | | 67A -10 |
| 68 | -20 | | | | 13 | | | | | | 68A -20 |
| 69 | -50 | | | | 14 | | | | | | 69A -50 |
| 70 | icc112-100 | | | | 15 | | | | | | 70A icc113 -100 |
| 71 | -200 | | | | 16 | | | | | | 71A ic113-200 |
| 72 | -400 | | | | 17 | | | | | | 72A -400 |
| 73 | blk | NA | NA | | 18 | | | | | | |
| 74 | blk | | | | 19 | | | | | | |
| 75 | icw 112-50 | 3 | MS 8390 | | 20 | | | | | | Fail. |

10/17/11 *[Signature]*

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: *[Signature]* 10/18/11
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Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|----------------|------|
| MS 8242 | V B60 Cal STD | 200 |
| 8242 | V B60 BSLnd(S) | 200 |
| 8362 | V B60 IS | 250 |
| 8358 | V B60 SS | 250 |

| | |
|--------------------|--------------------|
| Tune file 1: | V2578 |
| Tune file 2: | NA |
| Initial Cal: | 10/15/11 |
| ID File: | V101511W |
| ICAL Verified: | V2578 |
| Sequence verified: | <i>[Signature]</i> |

Date: 10/17/11
 Batch ID: MSV112(1)
 Analysts: _____
 Signature: *[Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|---------------|-------|------|-----------|-------|------------|----|-----------------------------------|
| V2576 | HR | NA | NA | NA | 1 | NA | NA | NA | NA | NA | |
| 77 | ↓ | ↓ | ↓ | ↓ | 2 | ↓ | ↓ | | | | |
| 78 | ICV112-JO | 1 | MS 8242 | ↓ | 3 | ↓ | ↓ | | | | |
| 79 | BS | ↓ | ↓ | ↓ | 4 | ↓ | ↓ | | | | |
| 80 | MB | NA | NA | ↓ | 5 | ↓ | ↓ | | | | |
| x81 | MC4387-2 | 2 | MS24148 | V B60 SL | 6 | S | 6.70 | | | | ISL-RR |
| 82 | -2 | ↓ | ↓ | ↓ | 7 | ↓ | 6.79 | | | | |
| 83 | -3 | ↓ | ↓ | ↓ | 8 | ↓ | 6.98 | | | | |
| 84 | -4 | ↓ | ↓ | ↓ | 9 | ↓ | 6.34 | | | | |
| 85 | -5 | ↓ | ↓ | ↓ | 10 | ↓ | 6.18 | | | | |
| x86 | -6 | ↓ | ↓ | ↓ | 11 | ↓ | 6.04 | | | | ISL-RR |
| x87 | -7 | ↓ | ↓ | ↓ | 12 | ↓ | 6.23 | | | | no data collected. |
| x88 | -8 | ↓ | ↓ | ↓ | 13 | ↓ | 4.69 | | | | collected. |
| 89 | -9 | ↓ | ↓ | ↓ | 14 | ↓ | 6.43 | | | | |
| 90 | MC4271-1 | 2 | MS24155 | V B60 STARDOM | 15 | ↓ | 4.98 | | | | |
| 91 | ↓ -2 | ↓ | ↓ | ↓ | 16 | ↓ | 4.69 | | | | |
| 92 | MC4272-2 | 2 | ↓ | V B60 STD | 17 | ↓ | 5.34 | | | | result from the jar. |
| 93 | ↓ -3 | 1 | ↓ | ↓ | 18 | ↓ | 4.794 | | | | (if vent bottles too much weight) |
| 94 | MC4387-14 | 2 | MS24148 | V B60 SL | 19 | ↓ | 6.21 | | | | |
| 95 | MC4272-3M | 1 | MS24155 | V B60 STD | 20 | ↓ | 4.715 | | | | |
| 96 | ↓ -3MSD | 1 | ↓ | ↓ | 21 | ↓ | 4.653 | | | | |
| 97 | MC4230-2R | 2 | ↓ | V B60 RCP | 22 | ↓ | 4.98 | | | | |
| 98 | HR | NA | NA | NA | 23 | NA | NA | | | | |

10/18/11 *[Signature]*

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml for water.

MS001-04 Date: 12/02/08

Review: *[Signature]* 10/18/11

6.7.3
 6

Standards Data

| Lot # | Description | Conc |
|---------|--------------------|---------------------|
| MS 841a | V. B. Co. Cal STD | 200 ug/L |
| 8220 | V. B. Co. B. (std) | 200 |
| 8362 | V. B. Co. ZS | 250 |
| 8358 | V. B. Co. SS | 250 |

Daily Saved File

| | |
|--------------------|-------------------|
| Tune file 1: | V2600 |
| Tune file 2: | NA |
| Initial Cal: | 10/15/11 |
| ID File: | V101511 W |
| ICAL Verified: | <i>[initials]</i> |
| Sequence verified: | <i>[initials]</i> |

Date: 10/17/11

Batch ID: MSV114

Analysts: _____

Signature: *[Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|-------------|---------|------------|----------------|-------|------|-----------------|-------|------------|----|---------------|
| V-2599 | CC112-50 | 3 | MS 841a | NA | 24 | NA | NA | NA | NA | NA | Fail |
| 2600 | CC112-50 | ↓ | ↓ | ↓ | 25 | ↓ | ↓ | ↓ | ↓ | ↓ | OK |
| 01 | BS | 31 | MS 8421 | ↓ | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 02 | MB | NA | NA | ↓ | 27 | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 03 | MC4387-10 | 2 | MS 24148 | V. B. Co. SL | 28 | S | 7.18 | | | | |
| 04 | -11 | | | | 29 | | 6.76 | | | | |
| 05 | -12 | | | | 30 | | 6.21 | | | | |
| 06 | -13 | | | | 31 | | 6.49 | | | | |
| 07 | -15 | | | | 32 | | 6.29 | | | | |
| 08 | -16 | | | | 33 | | 6.28 | | | | |
| 09 | -17 | | | | 34 | | 7.04 | | | | |
| 10 | -18 | ↓ | | | 35 | | 6.39 | | | | |
| 11 | -1 | 3 | | | 36 | | 6.89 | | | | |
| 12 | -6 | ↓ | | | 37 | | 6.30 | | | | |
| 13 | -7 | ↓ | | | 38 | | 6.51 | | | | |
| 14 | -8 | ↓ | | | 39 | | 6.39 | | | | |
| 15 | MC4439-4 | 2 | MS 24157 | V. B. Co. STAR | 40 | | 6.60 | | | | ZSL RR |
| 16 | MC4441-3 | 3 | | ↓ | 41 | | 7.60 | | | | |
| X17 | MC4442-2 | 4 | | V. B. Co. BXM | 42 | | 5.74 | | | | MC4442-1 |
| X18 | ↓ | 2 | | V. B. Co. RCP | 43 | | 5.95 | | | | MC4429-4 |
| X19 | MC4405-2 | 2 | | ↓ | 44 | | 5.19 | | | | ↓ -5 C. O. RM |
| 20 | ↓ | 3 | | V. B. Co. BXM | 45 | | | | | | MC4405-2 |
| 21 | MC4387-18MS | 5 | | ↓ | 46 | | 4.457 | | | | -3 |
| 22 | ↓ | 1 | MS 24148 | V. B. Co. SL | 47 | | 4.328 | | | | MC4387-18MS |
| 23 | MC4387-18MS | ↓ | ↓ | ↓ | 48 | | 4.238 | | | | ↓ -18MS |
| 24 | | | | | | | | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.

Sample amount is reported in grams (wet) for soil and oil, mls for water

MS001-04 Date: 12/02/08

Review: *[Signature]* 10/18/11
19

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Sample: MC4387-1 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-001

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 33.182 | g |
| Tare Weight | 26.239 | g |
| Dry Weight (Total) | 32.67 | g |
| Solids, Percent | 92.6 | % |

Sample: MC4387-2 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-002

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 29.088 | g |
| Tare Weight | 19.677 | g |
| Dry Weight (Total) | 28.415 | g |
| Solids, Percent | 92.8 | % |

Sample: MC4387-3 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-003

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 27.709 | g |
| Tare Weight | 20.608 | g |
| Dry Weight (Total) | 27.31 | g |
| Solids, Percent | 94.4 | % |

Sample: MC4387-4 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-004

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 25.749 | g |
| Tare Weight | 19.373 | g |
| Dry Weight (Total) | 25.352 | g |
| Solids, Percent | 93.8 | % |

Sample: MC4387-5 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-005

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 34.54 | g |
| Tare Weight | 28.59 | g |
| Dry Weight (Total) | 34.206 | g |
| Solids, Percent | 94.4 | % |

Sample: MC4387-6 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-006

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 27.606 | g |
| Tare Weight | 21.091 | g |
| Dry Weight (Total) | 26.564 | g |
| Solids, Percent | 84 | % |

7.1
7

Percent Solids Raw Data Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Sample: MC4387-7 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-007

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 28.635 | g |
| Tare Weight | 18.873 | g |
| Dry Weight (Total) | 27.74 | g |
| Solids, Percent | 90.8 | % |

Sample: MC4387-8 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-008

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 25.413 | g |
| Tare Weight | 19.328 | g |
| Dry Weight (Total) | 24.77 | g |
| Solids, Percent | 89.4 | % |

Sample: MC4387-9 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-009

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 24.424 | g |
| Tare Weight | 18.346 | g |
| Dry Weight (Total) | 24.042 | g |
| Solids, Percent | 93.7 | % |

Sample: MC4387-10 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-010

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 33.822 | g |
| Tare Weight | 27.969 | g |
| Dry Weight (Total) | 33.426 | g |
| Solids, Percent | 93.2 | % |

Sample: MC4387-11 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-011

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 32.676 | g |
| Tare Weight | 22.168 | g |
| Dry Weight (Total) | 32.015 | g |
| Solids, Percent | 93.7 | % |

Sample: MC4387-12 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-012

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 26.62 | g |
| Tare Weight | 18.833 | g |
| Dry Weight (Total) | 26.335 | g |
| Solids, Percent | 96.3 | % |

7.1
7

Percent Solids Raw Data Summary

Job Number: MC4387
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Sample: MC4387-13 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-013

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 28.954 | g |
| Tare Weight | 23.07 | g |
| Dry Weight (Total) | 28.509 | g |
| Solids, Percent | 92.4 | % |

Sample: MC4387-14 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-GRAB-014

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 27.964 | g |
| Tare Weight | 17.891 | g |
| Dry Weight (Total) | 27.347 | g |
| Solids, Percent | 93.9 | % |

Sample: MC4387-15 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-GRAB-015

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 26.798 | g |
| Tare Weight | 18.115 | g |
| Dry Weight (Total) | 26.37 | g |
| Solids, Percent | 95.1 | % |

Sample: MC4387-16 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-GRAB-016

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 33.682 | g |
| Tare Weight | 24.904 | g |
| Dry Weight (Total) | 33.18 | g |
| Solids, Percent | 94.3 | % |

Sample: MC4387-17 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-DUPLICATE-017

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 32.883 | g |
| Tare Weight | 26.097 | g |
| Dry Weight (Total) | 32.407 | g |
| Solids, Percent | 93 | % |

Sample: MC4387-18 **Analyzed:** 08-OCT-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-DUPLICATE-018

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 30.714 | g |
| Tare Weight | 21.442 | g |
| Dry Weight (Total) | 30.397 | g |
| Solids, Percent | 96.6 | % |

7.1
7

APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D3 – Confirmation Round 2 Laboratory Analytical Data

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Technical Report for

Global General Services

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
143071

Accutest Job Number: MC5183

Sampling Date: 11/02/11

Report to:

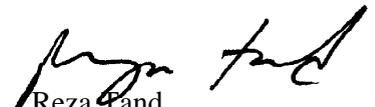
SHAW Environmental & Infrastructure
500 E. Main Street Suite 1630
Norfolk, VA 23510
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **440**



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.



Reza Pand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Global General Services

Job No: MC5183

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Project No: 143071

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|---------------------|-------------------|
| | Date | Time By | | Code | Type | |
| MC5183-1 | 11/02/11 | 10:05 JG | 11/03/11 | SO | Soil | WE33-SIDEWALL-021 |
| MC5183-2 | 11/02/11 | 10:10 JG | 11/03/11 | SO | Soil | WE33-SIDEWALL-022 |
| MC5183-3 | 11/02/11 | 10:30 JG | 11/03/11 | SO | Soil | WE33-SIDEWALL-023 |
| MC5183-4 | 11/02/11 | 10:45 JG | 11/03/11 | SO | Soil | WE33-SIDEWALL-024 |
| MC5183-5 | 11/02/11 | 11:00 JG | 11/03/11 | SO | Soil | WE33-SIDEWALL-025 |
| MC5183-6 | 11/02/11 | 11:20 JG | 11/03/11 | AQ | Field Blank Water | WE33-FIELDBLK-026 |
| MC5183-7 | 11/02/11 | 11:15 JG | 11/03/11 | SO | Trip Blank Methanol | WE33-TRIPBLK-027 |
| MC5183-7A | 11/02/11 | 11:15 JG | 11/03/11 | SO | Trip Blank Soil | WE33-TRIPBLK-027 |
| MC5183-8 | 11/02/11 | 11:30 JG | 11/03/11 | AQ | Equipment Blank | WE33-EBLK-028 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Global General Services

Job No MC5183

Site: NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 Conf

Report Date 11/8/2011 4:03:28 PM

6 Sample(s), 2 Trip Blank(s) and 1 Field Blank(s) were collected on 11/02/2011 and were received at Accutest on 11/03/2011 properly preserved, at 2.1 Deg. C and intact. These Samples received an Accutest job number of MC5183. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: MSR901

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC5062-20MS, MC5062-20MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: MSE2276

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC5148-IMS, MC5148-1MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, Trichloroethene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, Trichloroethene are outside control limits for sample MC5148-1MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix: SO

Batch ID: MSV136

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC5142-IMS, MC5142-1MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: MSV137

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC5183-5MS, MC5183-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- MS/MSD Recovery(s) for 1,1,2,2-Tetrachloroethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix: SO

Batch ID: GN36767

- Sample(s) MC5182-1DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC5183).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-021 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-1 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 90.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3111.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.30 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-01-6 | Trichloroethene | 1.6 | 1.5 | 0.38 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | |
|--|--------------------------------|
| Client Sample ID: WE33-SIDEWALL-022 | |
| Lab Sample ID: MC5183-2 | Date Sampled: 11/02/11 |
| Matrix: SO - Soil | Date Received: 11/03/11 |
| Method: SW846 8260B | Percent Solids: 91.3 |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3112.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.95 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.20 U | 0.39 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-01-6 | Trichloroethene | 2.1 | 1.6 | 0.39 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-023 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-3 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.1 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3113.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.21 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.39 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | |
| 79-01-6 | Trichloroethene | 11.1 | 1.6 | 0.39 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-024 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-4 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.5 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3114.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 24.3 | 1.5 | 0.38 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-01-6 | Trichloroethene | 3.4 | 1.5 | 0.38 | ug/kg | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-025 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-5 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 91.5 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3110.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.13 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.87 | 1.5 | 0.38 | ug/kg | J |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 89% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | | |
|--------------------------|------------------------|--|----------|
| Client Sample ID: | WE33-FIELDBLK-026 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-6 | Date Received: | 11/03/11 |
| Matrix: | AQ - Field Blank Water | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | R24323.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |
| Run #2 | | | | | | | |

| Run #1 | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 96% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

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| | | | |
|--------------------------|--------------------------|--|----------|
| Client Sample ID: | WE33-TRIPBLK-027 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-7 | Date Received: | 11/03/11 |
| Matrix: | SO - Trip Blank Methanol | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | E56607.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 10.0 g | 10.0 ml | 100 ul |
| Run #2 | | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|-----|-----|-------|---|
| 71-43-2 | Benzene | 13 U | 25 | 13 | ug/kg | |
| 67-66-3 | Chloroform | 25 U | 100 | 25 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 25 U | 100 | 25 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 25 U | 100 | 25 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 25 U | 100 | 25 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 25 U | 100 | 25 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 25 U | 100 | 25 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 25 U | 100 | 25 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 25 U | 100 | 25 | ug/kg | |
| 79-01-6 | Trichloroethene | 25 U | 100 | 25 | ug/kg | |
| 75-01-4 | Vinyl chloride | 100 U | 100 | 100 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 95% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 112% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

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| | | | |
|--------------------------|----------------------|--|----------|
| Client Sample ID: | WE33-TRIPBLK-027 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-7A | Date Received: | 11/03/11 |
| Matrix: | SO - Trip Blank Soil | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3080.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.00 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.25 U | 0.50 | 0.25 | ug/kg | |
| 67-66-3 | Chloroform | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | |
| 75-01-4 | Vinyl chloride | 2.0 U | 2.0 | 2.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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

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| | | |
|--|--|--------------------------------|
| Client Sample ID: WE33-EBLK-028 | | Date Sampled: 11/02/11 |
| Lab Sample ID: MC5183-8 | | Date Received: 11/03/11 |
| Matrix: AQ - Equipment Blank | | Percent Solids: n/a |
| Method: SW846 8260B | | |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | R24324.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |
| Run #2 | | | | | | | |

| Run #1 | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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:

- Certification Exceptions
- Certification Exceptions (RI)
- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN-OF-CUSTODY RECORD

COC Number: 143071-Date
Purchase Order Number:



| SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190 | | | | | | Analysis Desired | |
|--|-------------------|-------------------------|---|----------------------|--------------------------------|--|-----------------------|
| Global General Services | | | 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452 | | | | |
| Project Name | | | Sample Location | | | | |
| NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | | Confirmation Samples | | | | |
| Project Number: | | Shaw Contact: | | Shaw Contact Number: | | | |
| 143071 | | Natasha Kelley Sullivan | | (410)529-7598 | | | |
| Client Rep: | | | Project Manager: | | | | |
| NAVY | | | Mark Pisarcik | | | | |
| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | |
| -1 | WL33-Sidewall-021 | 11/2/11 | 1005 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative) , 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -2 | WE33-Sidewall-022 | | 1010 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative) , 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -3 | WL33-Sidewall-023 | | 1030 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative) , 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -4 | WE33-Sidewall-024 | | 1045 | Soil | Grab Sidewall Sample | 1-2 ounce soil jar (No preservative) , 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -5 | WE33-Sidewall-025 | | 1100 | Soil | Grab Sidewall Sample Duplicate | 1-2 ounce soil jar (No preservative) , 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -6 | WE33-FieldBlk-026 | | 93 1130 | Water | Field Blank | 1-40 ml vials (with HCL) | X |
| -7 | WE33-TripBlk-027 | | 1115 | Water | Trip Blank | 1-40 ml vials (10 ml MeOH) , 2-40 ml vials (Sodium Bisulfate) | X |
| -8 | WE33-028 | | ↓ | 1130 | Water | Equipment Blank | 1-40 ml vials (HCL) X |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |

RUSH!

4.1
4

CHAIN-OF-CUSTODY RECORD

COC Number: 143071-Date
Purchase Order Number:



| SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190 | | Lab Destination: Global General Services | | Lab Receiving Address: 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452 | | Analysis Desired | |
|--|---------------|---|------|--|--------------------|------------------------------|--|
| Project Name: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | Project Manager: Mark Pisarcik | | Sample Location: Confirmation Samples | | Volatiles SW-846 6035/6260B1 | |
| Project Number: 143071 | | Shaw Contact: Natasha Kelley Sullivan | | Shaw Contact Number: (410)529-7598 | | | |
| Client Ref: NAVY | | Project Manager: Mark Pisarcik | | | | | |
| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | |
| 18 | | | | | | | |
| 19 | | | | | | | |

RUSH!!

¹ See SAP Worksheet #15.1B -- Reference Limits and Evaluation Table for SPECIFIC REQUIRED COMPOUNDS TO REPORT
SAP NCBC Davisville Site 07, Calf Pasture Point

| | | | |
|------------------------------------|-----------------------|-----------|------------------------|
| Turnaround Time Required: | Sampled By: | COMMENTS: | Laboratory Report No.: |
| <input type="checkbox"/> 3 Day TAT | Jennifer Gailey, SHAW | | |

| Transfer Number | Transfers Relinquished By | Date | Time | Transfers Accepted By | Date | Time | Remarks |
|-----------------|---------------------------|----------------|--------------|-----------------------|----------------|--------------|--|
| 1 | | | | <i>FedEx UPS</i> | | | FULL CLP LIKE REPORT +NIRIS |
| 2 | <i>FedEx UPS</i> | <i>11/3/11</i> | <i>10:10</i> | <i>SPB</i> | <i>11/3/11</i> | <i>10:10</i> | Deliverables: EDD Excel 2-1 |
| 3 | | | | | | | *** Fax results to Natasha Sullivan (410) 529-7599 |

*13A, 10I2
SH5*

4.1
4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC5183

Client: SHAW

Immediate Client Services Action Required: No

Date / Time Received: 11/3/2011

Delivery Method:

Client Service Action Required at Login: No

Project: CALF PASTURE POINT

No. Coolers: 1

Airbill #'s: N/A

| <u>Cooler Security</u> | <u>Y or N</u> | | <u>Y or N</u> | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|--|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

| <u>Cooler Temperature</u> | <u>Y or N</u> | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

| <u>Quality Control Preservatio</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|------------------------------------|-------------------------------------|-----------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> | <u>Y or N</u> | |
|---|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Condition</u> | <u>Y or N</u> | |
|-------------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

| <u>Sample Integrity - Instructions</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|---|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

4.1
4

Internal Sample Tracking Chronicle

Global General Services

Job No: MC5183

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
 Project No: 143071

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|--|------------------|-----------------|-----|---------|----|------------|
| MC5183-1 Collected: 02-NOV-11 10:05 By: JG Received: 03-NOV-11 By: JB WE33-SIDEWALL-021 | | | | | | |
| MC5183-1 | SM21 2540 B MOD. | 03-NOV-11 | HS | | | %SOL |
| MC5183-1 | SW846 8260B | 06-NOV-11 19:29 | AMY | | | V8260SL |
| MC5183-2 Collected: 02-NOV-11 10:10 By: JG Received: 03-NOV-11 By: JB WE33-SIDEWALL-022 | | | | | | |
| MC5183-2 | SM21 2540 B MOD. | 03-NOV-11 | HS | | | %SOL |
| MC5183-2 | SW846 8260B | 06-NOV-11 20:00 | AMY | | | V8260SL |
| MC5183-3 Collected: 02-NOV-11 10:30 By: JG Received: 03-NOV-11 By: JB WE33-SIDEWALL-023 | | | | | | |
| MC5183-3 | SM21 2540 B MOD. | 03-NOV-11 | HS | | | %SOL |
| MC5183-3 | SW846 8260B | 06-NOV-11 20:30 | AMY | | | V8260SL |
| MC5183-4 Collected: 02-NOV-11 10:45 By: JG Received: 03-NOV-11 By: JB WE33-SIDEWALL-024 | | | | | | |
| MC5183-4 | SM21 2540 B MOD. | 03-NOV-11 | HS | | | %SOL |
| MC5183-4 | SW846 8260B | 06-NOV-11 21:01 | AMY | | | V8260SL |
| MC5183-5 Collected: 02-NOV-11 11:00 By: JG Received: 03-NOV-11 By: JB WE33-SIDEWALL-025 | | | | | | |
| MC5183-5 | SM21 2540 B MOD. | 03-NOV-11 | HS | | | %SOL |
| MC5183-5 | SW846 8260B | 06-NOV-11 18:59 | AMY | | | V8260SL |
| MC5183-6 Collected: 02-NOV-11 11:20 By: JG Received: 03-NOV-11 By: JB WE33-FIELDBLK-026 | | | | | | |
| MC5183-6 | SW846 8260B | 07-NOV-11 16:27 | DFT | | | V8260SL |
| MC5183-7 Collected: 02-NOV-11 11:15 By: JG Received: 03-NOV-11 By: JB WE33-TRIPBLK-027 | | | | | | |
| MC5183-7 | SW846 8260B | 04-NOV-11 13:39 | GK | | | V8260SL |

Internal Sample Tracking Chronicle

Global General Services

Job No: MC5183

NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Project No: 143071

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|-------------------------------|----------------------------|-----------------|---------------------|---------|----|------------|
| MC5183-8 WE33-EBLK-028 | Collected: 02-NOV-11 11:30 | By: JG | Received: 03-NOV-11 | By: JB | | |
| MC5183-8 | SW846 8260B | 07-NOV-11 16:55 | DFT | | | V8260SL |
| MC5183-7A WE33-TRIPBLK-027 | Collected: 02-NOV-11 11:15 | By: JG | Received: 03-NOV-11 | By: JB | | |
| MC5183-7A | SW846 8260B | 04-NOV-11 11:48 | AMY | | | V8260SL |

Accutest Internal Chain of Custody

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 11/03/11

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|-----------------------|
| MC5183-1.2 | VOC Ref #10 | Amy Min Yang | 11/06/11 13:29 | Retrieve from Storage |
| MC5183-1.2 | Amy Min Yang | GCMSV | 11/06/11 13:29 | Load on Instrument |
| MC5183-1.3 | VOC Ref #10 | Amy Min Yang | 11/06/11 18:15 | Retrieve from Storage |
| MC5183-1.3 | Amy Min Yang | GCMSV | 11/06/11 18:15 | Load on Instrument |
| MC5183-1.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 10:11 | Retrieve from Storage |
| MC5183-1.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-2.2 | VOC Ref #10 | Amy Min Yang | 11/06/11 13:29 | Retrieve from Storage |
| MC5183-2.2 | Amy Min Yang | GCMSV | 11/06/11 13:29 | Load on Instrument |
| MC5183-2.3 | VOC Ref #10 | Amy Min Yang | 11/06/11 18:15 | Retrieve from Storage |
| MC5183-2.3 | Amy Min Yang | GCMSV | 11/06/11 18:15 | Load on Instrument |
| MC5183-2.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 10:11 | Retrieve from Storage |
| MC5183-2.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-3.2 | VOC Ref #10 | Amy Min Yang | 11/06/11 13:29 | Retrieve from Storage |
| MC5183-3.2 | Amy Min Yang | GCMSV | 11/06/11 13:29 | Load on Instrument |
| MC5183-3.3 | VOC Ref #10 | Amy Min Yang | 11/06/11 18:15 | Retrieve from Storage |
| MC5183-3.3 | Amy Min Yang | GCMSV | 11/06/11 18:15 | Load on Instrument |
| MC5183-3.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 10:11 | Retrieve from Storage |
| MC5183-3.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-4.2 | VOC Ref #10 | Amy Min Yang | 11/06/11 13:29 | Retrieve from Storage |
| MC5183-4.2 | Amy Min Yang | GCMSV | 11/06/11 13:29 | Load on Instrument |
| MC5183-4.3 | VOC Ref #10 | Amy Min Yang | 11/06/11 18:15 | Retrieve from Storage |
| MC5183-4.3 | Amy Min Yang | GCMSV | 11/06/11 18:15 | Load on Instrument |
| MC5183-4.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 10:11 | Retrieve from Storage |
| MC5183-4.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-5.2 | VOC Ref #10 | Amy Min Yang | 11/06/11 13:29 | Retrieve from Storage |
| MC5183-5.2 | Amy Min Yang | GCMSV | 11/06/11 13:29 | Load on Instrument |
| MC5183-5.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 10:11 | Retrieve from Storage |
| MC5183-5.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-6.1 | VOC Ref #5 | Dana Tyron | 11/05/11 15:15 | Retrieve from Storage |
| MC5183-6.1 | Dana Tyron | GCMSR | 11/05/11 15:15 | Load on Instrument |

4.3
4

Accutest Internal Chain of Custody

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples
Received: 11/03/11

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|----------------------|----------------|----------------|----------------|------------------------|
| MC5183-6.1 | GCMSR | Dana Tyron | 11/08/11 09:46 | Unload from Instrument |
| MC5183-6.1 | Dana Tyron | VOC Ref #5 | 11/08/11 09:46 | Return to Storage |
| MC5183-7.2 | VOC Ref #10 | Amy Min Yang | 11/04/11 11:13 | Retrieve from Storage |
| MC5183-7.2 | Amy Min Yang | GCMSV | 11/04/11 11:13 | Load on Instrument |
| MC5183-7.4 | VOC Ref #10 | Gary Krasinski | 11/04/11 09:59 | Retrieve from Storage |
| MC5183-7.4 | Gary Krasinski | VOC Ref #10 | 11/07/11 09:52 | Return to Storage |
| MC5183-8.1 | VOC Ref #5 | Dana Tyron | 11/05/11 15:15 | Retrieve from Storage |
| MC5183-8.1 | Dana Tyron | GCMSR | 11/05/11 15:15 | Load on Instrument |
| MC5183-8.1 | GCMSR | Dana Tyron | 11/08/11 09:46 | Unload from Instrument |
| MC5183-8.1 | Dana Tyron | VOC Ref #5 | 11/08/11 09:46 | Return to Storage |

4.3

4

GC/MS Volatiles

5

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
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV136-MB | V3078.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-7A

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 70-130% |

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2276-MB | E56604.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-7

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|-----|-----|-------|---|
| 71-43-2 | Benzene | ND | 25 | 6.3 | ug/kg | |
| 67-66-3 | Chloroform | ND | 100 | 7.4 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 100 | 7.3 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 100 | 16 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 100 | 14 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 100 | 13 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 100 | 8.8 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 100 | 8.4 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 100 | 13 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 100 | 9.8 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 100 | 32 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 91% 70-130% |
| 2037-26-5 | Toluene-D8 | 95% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 108% 70-130% |

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV137-MB | V3109.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-1, MC5183-2, MC5183-3, MC5183-4, MC5183-5

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.13 | ug/kg | |
| 67-66-3 | Chloroform | ND | 2.0 | 0.15 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 2.0 | 0.15 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 2.0 | 0.32 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.0 | 0.27 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.0 | 0.25 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 0.18 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 2.0 | 0.17 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 2.0 | 0.25 | ug/kg | |
| 79-01-6 | Trichloroethene | ND | 2.0 | 0.20 | ug/kg | |
| 75-01-4 | Vinyl chloride | ND | 2.0 | 0.64 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 107% 70-130% |
| 2037-26-5 | Toluene-D8 | 103% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 88% 70-130% |

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|-----|-----------|------------|------------------|
| MSR901-MB3 | R24319.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-6, MC5183-8

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.46 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.58 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.44 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.80 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.69 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.64 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.79 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.36 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.74 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.82 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|-------------|
| 1868-53-7 | Dibromofluoromethane | 94% 70-130% |
| 2037-26-5 | Toluene-D8 | 94% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% 70-130% |

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|-----|-----------|------------|------------------|
| MSR901-MB | R24272.D | 1 | 11/05/11 | DFT | n/a | n/a | MSR901 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5062-20MS, MC5062-20MSD

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.46 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.58 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.44 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.80 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.69 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.64 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.79 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.36 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.74 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.82 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits | |
|-----------|----------------------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 86% | 70-130% |
| 2037-26-5 | Toluene-D8 | 90% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 70-130% |

Method Blank Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|-----|-----------|------------|------------------|
| MSR901-MB2 | R24298.D | 1 | 11/06/11 | DFT | n/a | n/a | MSR901 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MSR901-BS3

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|---------------------------|--------|------|------|-------|---|
| 71-43-2 | Benzene | ND | 0.50 | 0.46 | ug/l | |
| 67-66-3 | Chloroform | ND | 1.0 | 0.58 | ug/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.44 | ug/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.80 | ug/l | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.0 | 0.69 | ug/l | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.0 | 0.64 | ug/l | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.79 | ug/l | |
| 127-18-4 | Tetrachloroethene | ND | 1.0 | 0.36 | ug/l | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.0 | 0.74 | ug/l | |
| 79-01-6 | Trichloroethene | ND | 1.0 | 0.75 | ug/l | |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.82 | ug/l | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 104% 70-130% |
| 2037-26-5 | Toluene-D8 | 101% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% 70-130% |

Blank Spike Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV136-BS | V3077.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-7A

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|---------------------------|----------------|--------------|----------|--------|
| 71-43-2 | Benzene | 50 | 55.3 | 111 | 70-130 |
| 67-66-3 | Chloroform | 50 | 56.8 | 114 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 57.3 | 115 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 58.7 | 117 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 55.1 | 110 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 56.3 | 113 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 55.1 | 110 | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 54.6 | 109 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 56.3 | 113 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 56.2 | 112 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 45.1 | 90 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 70-130% |

Blank Spike Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|-----|-----------|------------|------------------|
| MSV137-BS | V3100.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-1, MC5183-2, MC5183-3, MC5183-4, MC5183-5

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|---------------------------|----------------|--------------|----------|--------|
| 71-43-2 | Benzene | 50 | 52.0 | 104 | 70-130 |
| 67-66-3 | Chloroform | 50 | 52.9 | 106 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 52.7 | 105 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 56.3 | 113 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 52.9 | 106 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 53.6 | 107 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 48.3 | 97 | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 52.6 | 105 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 52.1 | 104 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 53.6 | 107 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 43.9 | 88 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 85% | 70-130% |
| 2037-26-5 | Toluene-D8 | 89% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 118% | 70-130% |

Blank Spike Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|-----|-----------|------------|------------------|
| MSR901-BS3 | R24316.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-6, MC5183-8

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|----------|---------------------------|---------------|-------------|----------|--------|
| 71-43-2 | Benzene | 50 | 52.9 | 106 | 70-130 |
| 67-66-3 | Chloroform | 50 | 52.7 | 105 | 70-130 |
| 107-06-2 | 1,2-Dichloroethane | 50 | 52.0 | 104 | 70-130 |
| 75-35-4 | 1,1-Dichloroethene | 50 | 55.6 | 111 | 70-130 |
| 156-59-2 | cis-1,2-Dichloroethene | 50 | 51.9 | 104 | 70-130 |
| 156-60-5 | trans-1,2-Dichloroethene | 50 | 53.4 | 107 | 70-130 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 50 | 56.1 | 112 | 70-130 |
| 127-18-4 | Tetrachloroethene | 50 | 52.5 | 105 | 70-130 |
| 79-00-5 | 1,1,2-Trichloroethane | 50 | 53.1 | 106 | 70-130 |
| 79-01-6 | Trichloroethene | 50 | 52.2 | 104 | 70-130 |
| 75-01-4 | Vinyl chloride | 50 | 41.0 | 82 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 70-130% |
| 2037-26-5 | Toluene-D8 | 89% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | 70-130% |

Blank Spike/Blank Spike Duplicate Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MSE2276-BS | E56601.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |
| MSE2276-BSD | E56602.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-7

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|----------------|--------------|----------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 2500 | 2550 | 102 | 2440 | 98 | 4 | 70-130/25 |
| 67-66-3 | Chloroform | 2500 | 2650 | 106 | 2610 | 104 | 2 | 70-130/25 |
| 107-06-2 | 1,2-Dichloroethane | 2500 | 2710 | 108 | 2670 | 107 | 1 | 70-130/25 |
| 75-35-4 | 1,1-Dichloroethene | 2500 | 2560 | 102 | 2480 | 99 | 3 | 70-130/25 |
| 156-59-2 | cis-1,2-Dichloroethene | 2500 | 2590 | 104 | 2560 | 102 | 1 | 70-130/25 |
| 156-60-5 | trans-1,2-Dichloroethene | 2500 | 2640 | 106 | 2480 | 99 | 6 | 70-130/25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2500 | 2700 | 108 | 2720 | 109 | 1 | 70-130/25 |
| 127-18-4 | Tetrachloroethene | 2500 | 2430 | 97 | 2290 | 92 | 6 | 70-130/25 |
| 79-00-5 | 1,1,2-Trichloroethane | 2500 | 2510 | 100 | 2470 | 99 | 2 | 70-130/25 |
| 79-01-6 | Trichloroethene | 2500 | 2440 | 98 | 2420 | 97 | 1 | 70-130/25 |
| 75-01-4 | Vinyl chloride | 2500 | 2110 | 84 | 2110 | 84 | 0 | 70-130/25 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|-----------|----------------------|------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | 90% | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | 96% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 109% | 107% | 70-130% |

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC5142-1MS | V3083.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |
| MC5142-1MSD | V3084.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |
| MC5142-1 | V3082.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC5183-7A

| CAS No. | Compound | MC5142-1 ug/kg | Spike Q ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 56.9 | 58.8 | 103 | 53.5 | 105 | 9 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 56.9 | 61.0 | 107 | 54.0 | 106 | 12 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 56.9 | 65.6 | 115 | 58.1 | 115 | 12 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 56.9 | 65.6 | 115 | 59.0 | 116 | 11 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 56.9 | 59.7 | 105 | 53.6 | 106 | 11 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 56.9 | 61.6 | 108 | 55.4 | 109 | 11 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 56.9 | 69.4 | 122 | 63.1 | 124 | 10 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 56.9 | 60.4 | 106 | 54.4 | 107 | 10 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 56.9 | 66.0 | 116 | 59.8 | 118 | 10 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 56.9 | 61.6 | 108 | 55.5 | 109 | 10 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 56.9 | 50.9 | 89 | 44.5 | 88 | 13 | 70-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC5142-1 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | 98% | 99% | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | 98% | 98% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 103% | 70-130% |

5.4.1
5

Matrix Spike/Matrix Spike Duplicate Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|----------|----|----------|----|-----------|------------|------------------|
| MC5148-1MS | E56612.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |
| MC5148-1MSD | E56625.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |
| MC5148-1 | E56610.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-7

| CAS No. | Compound | MC5148-1 ug/kg | Spike Q | ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-------|-------------------|
| 71-43-2 | Benzene | ND | 3340 | 3340 | 3340 | 100 | 3530 | 106 | 6 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 3340 | 3340 | 3500 | 105 | 3750 | 112 | 7 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 3340 | 3340 | 3630 | 109 | 3660 | 109 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 3340 | 3340 | 3470 | 104 | 3860 | 115 | 11 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 3340 | 3340 | 3270 | 98 | 3550 | 106 | 8 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 3340 | 3340 | 3370 | 101 | 3760 | 112 | 11 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 3340 | 3340 | 3570 | 107 | 2190 | 65* a | 48* b | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 3340 | 3340 | 3220 | 96 | 3440 | 103 | 7 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 3340 | 3340 | 3320 | 99 | 3660 | 109 | 10 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 3340 | 3340 | 3270 | 98 | 4710 | 141* a | 36* b | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 3340 | 3340 | 2730 | 82 | 2790 | 83 | 2 | 70-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC5148-1 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 90% | 81% | 94% | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | 98% | 98% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 108% | 113% | 70-130% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC5183

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------------|----------|----|----------|-----|-----------|------------|------------------|
| MC5062-20MS | R24277.D | 1 | 11/05/11 | DFT | n/a | n/a | MSR901 |
| MC5062-20MSD | R24278.D | 1 | 11/05/11 | DFT | n/a | n/a | MSR901 |
| MC5062-20 | R24276.D | 1 | 11/05/11 | DFT | n/a | n/a | MSR901 |

The QC reported here applies to the following samples:

Method: SW846 8260B

MC5183-6, MC5183-8

| CAS No. | Compound | MC5062-20 ug/l | Spike Q ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|-------------------|--------------------|------------|---------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 50 | 55.8 | 112 | 56.5 | 113 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | ND | 50 | 55.8 | 112 | 55.8 | 112 | 0 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | ND | 50 | 54.7 | 109 | 54.5 | 109 | 0 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | ND | 50 | 59.2 | 118 | 61.0 | 122 | 3 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 50 | 55.1 | 110 | 55.5 | 111 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 50 | 57.1 | 114 | 58.3 | 117 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 50 | 55.0 | 110 | 55.2 | 110 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | ND | 50 | 56.6 | 113 | 55.0 | 110 | 3 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 50 | 56.0 | 112 | 56.2 | 112 | 0 | 70-130/30 |
| 79-01-6 | Trichloroethene | ND | 50 | 55.4 | 111 | 56.3 | 113 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | ND | 50 | 49.2 | 98 | 49.1 | 98 | 0 | 70-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC5062-20 | Limits |
|-----------|----------------------|-----|-----|-----------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | 96% | 90% | 70-130% |
| 2037-26-5 | Toluene-D8 | 97% | 96% | 94% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | 93% | 93% | 70-130% |

5.4.3
5

Matrix Spike/Matrix Spike Duplicate Summary**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|-----|-----------|------------|------------------|
| MC5183-5MS | V3115.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| MC5183-5MSD | V3116.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| MC5183-5 | V3110.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |

The QC reported here applies to the following samples:**Method:** SW846 8260B

MC5183-1, MC5183-2, MC5183-3, MC5183-4, MC5183-5

| CAS No. | Compound | MC5183-5 ug/kg | Spike Q | ug/kg | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|---------------------------|-------------------|------------|-------|-------------|---------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | 0.38 U | | 60.2 | 68.6 | 114 | 70.9 | 111 | 3 | 70-130/30 |
| 67-66-3 | Chloroform | 1.5 U | | 60.2 | 69.3 | 115 | 71.4 | 112 | 3 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 1.5 U | | 60.2 | 74.8 | 124 | 75.9 | 119 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethene | 1.5 U | | 60.2 | 76.5 | 127 | 78.1 | 122 | 2 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.5 U | | 60.2 | 69.3 | 115 | 71.3 | 112 | 3 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethene | 1.5 U | | 60.2 | 71.6 | 119 | 74.1 | 116 | 3 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.5 U | | 60.2 | 86.2 | 143* a | 85.3 | 134* a | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethene | 1.5 U | | 60.2 | 70.1 | 116 | 72.0 | 113 | 3 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.5 U | | 60.2 | 77.7 | 129 | 79.2 | 124 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethene | 0.87 | J | 60.2 | 69.9 | 115 | 72.3 | 112 | 3 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 1.5 U | | 60.2 | 58.6 | 97 | 58.0 | 91 | 1 | 70-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | MC5183-5 | Limits |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 117% | 110% | 104% | 70-130% |
| 2037-26-5 | Toluene-D8 | 111% | 105% | 101% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 96% | 89% | 70-130% |

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSE2266-BFB | Injection Date: 10/20/11 |
| Lab File ID: E56196.D | Injection Time: 11:50 |
| Instrument ID: GCMSE | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 2447 | 19.9 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 5269 | 43.0 | Pass |
| 95 | Base peak, 100% relative abundance | 12266 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 887 | 7.23 | Pass |
| 173 | Less than 2.0% of mass 174 | 39 | 0.32 (0.38) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 10236 | 83.5 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 612 | 4.99 (5.98) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 9968 | 81.3 (97.4) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 644 | 5.25 (6.46) ^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 |
|-----------------|-------------|---------------|---------------|--------------|-----------------------------|
| MSE2266-IC2266 | E56197.D | 10/20/11 | 12:43 | 00:53 | Initial cal 0.5 |
| MSE2272-IC2272 | E56197A.D | 10/20/11 | 12:43 | 00:53 | Initial cal 0.5 |
| MSE2266-IC2266 | E56198.D | 10/20/11 | 13:12 | 01:22 | Initial cal 2 |
| MSE2272-IC2272 | E56198A.D | 10/20/11 | 13:12 | 01:22 | Initial cal 2 |
| MSE2266-IC2266 | E56199.D | 10/20/11 | 13:39 | 01:49 | Initial cal 5 |
| MSE2272-IC2272 | E56199A.D | 10/20/11 | 13:39 | 01:49 | Initial cal 5 |
| MSE2266-IC2266 | E56200.D | 10/20/11 | 14:08 | 02:18 | Initial cal 25 |
| MSE2272-IC2272 | E56200A.D | 10/20/11 | 14:08 | 02:18 | Initial cal 25 |
| MSE2266-ICC2266 | E56201.D | 10/20/11 | 14:39 | 02:49 | Initial cal 50 |
| MSE2272-ICC2272 | E56201A.D | 10/20/11 | 14:39 | 02:49 | Initial cal 50 |
| MSE2266-IC2266 | E56202.D | 10/20/11 | 15:08 | 03:18 | Initial cal 100 |
| MSE2272-IC2272 | E56202A.D | 10/20/11 | 15:08 | 03:18 | Initial cal 100 |
| MSE2266-IC2266 | E56203.D | 10/20/11 | 15:37 | 03:47 | Initial cal 200 |
| MSE2272-IC2272 | E56203A.D | 10/20/11 | 15:37 | 03:47 | Initial cal 200 |
| MSE2266-IC2266 | E56204.D | 10/20/11 | 16:02 | 04:12 | Initial cal 400 |
| MSE2272-IC2272 | E56204A.D | 10/20/11 | 16:02 | 04:12 | Initial cal 400 |
| MSE2266-ICV2266 | E56206.D | 10/20/11 | 16:58 | 05:08 | Initial cal verification 50 |

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSE2276-BFB | Injection Date: 11/04/11 |
| Lab File ID: E56600.D | Injection Time: 10:22 |
| Instrument ID: GCMSE | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 11624 | 20.1 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 26029 | 45.0 | Pass |
| 95 | Base peak, 100% relative abundance | 57858 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 3584 | 6.19 | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 (0.00) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 44822 | 77.5 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 3014 | 5.21 (6.72) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 43524 | 75.2 (97.1) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 2916 | 5.04 (6.70) ^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 |
|----------------|-------------|---------------|---------------|--------------|--|
| MSE2276-CC2266 | E56600.D | 11/04/11 | 10:22 | 00:00 | Continuing cal 50 |
| MSE2276-BS | E56601.D | 11/04/11 | 10:53 | 00:31 | Blank Spike |
| MSE2276-BSD | E56602.D | 11/04/11 | 11:19 | 00:57 | Blank Spike Duplicate |
| MSE2276-MB | E56604.D | 11/04/11 | 12:14 | 01:52 | Method Blank |
| ZZZZZZ | E56605.D | 11/04/11 | 12:42 | 02:20 | (unrelated sample) |
| ZZZZZZ | E56606.D | 11/04/11 | 13:11 | 02:49 | (unrelated sample) |
| MC5183-7 | E56607.D | 11/04/11 | 13:39 | 03:17 | WE33-TRIPBLK-027 |
| ZZZZZZ | E56608.D | 11/04/11 | 14:07 | 03:45 | (unrelated sample) |
| ZZZZZZ | E56609.D | 11/04/11 | 14:35 | 04:13 | (unrelated sample) |
| MC5148-1 | E56610.D | 11/04/11 | 15:07 | 04:45 | (used for QC only; not part of job MC5183) |
| ZZZZZZ | E56611.D | 11/04/11 | 15:30 | 05:08 | (unrelated sample) |
| MC5148-1MS | E56612.D | 11/04/11 | 15:59 | 05:37 | Matrix Spike |
| ZZZZZZ | E56616.D | 11/04/11 | 17:56 | 07:34 | (unrelated sample) |
| ZZZZZZ | E56619.D | 11/04/11 | 19:22 | 09:00 | (unrelated sample) |
| ZZZZZZ | E56621.D | 11/04/11 | 20:20 | 09:58 | (unrelated sample) |
| ZZZZZZ | E56622.D | 11/04/11 | 20:42 | 10:20 | (unrelated sample) |
| ZZZZZZ | E56623.D | 11/04/11 | 21:11 | 10:49 | (unrelated sample) |
| ZZZZZZ | E56624.D | 11/04/11 | 21:40 | 11:18 | (unrelated sample) |
| MC5148-1MSD | E56625.D | 11/04/11 | 22:08 | 11:46 | Matrix Spike Duplicate |

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSR899-BFB**Injection Date:** 11/04/11**Lab File ID:** R24255.D**Injection Time:** 14:42**Instrument ID:** GCMSR

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 9926 | 17.3 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 26704 | 46.6 | Pass |
| 95 | Base peak, 100% relative abundance | 57296 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4108 | 7.17 | Pass |
| 173 | Less than 2.0% of mass 174 | 308 | 0.54 (0.68) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 45610 | 79.6 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 3107 | 5.42 (6.81) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 44597 | 77.8 (97.8) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 2942 | 5.13 (6.60) ^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 |
|---------------|-------------|---------------|---------------|--------------|-----------------------------|
| MSR899-IC899 | R24256.D | 11/04/11 | 15:24 | 00:42 | Initial cal 0.25 |
| MSR899-IC899 | R24257.D | 11/04/11 | 15:52 | 01:10 | Initial cal 0.5 |
| MSR899-IC899 | R24258.D | 11/04/11 | 16:20 | 01:38 | Initial cal 1 |
| MSR899-IC899 | R24260.D | 11/04/11 | 17:17 | 02:35 | Initial cal 5 |
| MSR899-IC899 | R24261.D | 11/04/11 | 17:45 | 03:03 | Initial cal 25 |
| MSR899-ICC899 | R24262.D | 11/04/11 | 18:13 | 03:31 | Initial cal 50 |
| MSR899-IC899 | R24263.D | 11/04/11 | 18:42 | 04:00 | Initial cal 100 |
| MSR899-IC899 | R24264.D | 11/04/11 | 19:09 | 04:27 | Initial cal 200 |
| MSR899-IC899 | R24265.D | 11/04/11 | 19:37 | 04:55 | Initial cal 400 |
| MSR899-ICV899 | R24267.D | 11/04/11 | 20:34 | 05:52 | Initial cal verification 50 |

Instrument Performance Check (BFB)

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSR900-BFB | Injection Date: 11/05/11 |
| Lab File ID: R24269.D | Injection Time: 14:29 |
| Instrument ID: GCMSR | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 13005 | 17.5 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 35048 | 47.2 | Pass |
| 95 | Base peak, 100% relative abundance | 74272 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4992 | 6.72 | Pass |
| 173 | Less than 2.0% of mass 174 | 429 | 0.58 (0.72) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 59784 | 80.5 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 4390 | 5.91 (7.34) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 58456 | 78.7 (97.8) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 4046 | 5.45 (6.92) ^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 |
|---------------|-------------|---------------|---------------|--------------|--|
| MSR900-CC899 | R24269.D | 11/05/11 | 14:29 | 00:00 | Continuing cal 50 |
| MSR901-BS | R24270.D | 11/05/11 | 15:00 | 00:31 | Blank Spike |
| MSR900-BS | R24270.D | 11/05/11 | 15:00 | 00:31 | Blank Spike |
| MSR901-MB | R24272.D | 11/05/11 | 15:56 | 01:27 | Method Blank |
| MSR900-MB | R24272.D | 11/05/11 | 15:56 | 01:27 | Method Blank |
| MC5062-13 | R24273.D | 11/05/11 | 16:31 | 02:02 | (used for QC only; not part of job MC5183) |
| MC5062-13MS | R24274.D | 11/05/11 | 16:59 | 02:30 | Matrix Spike |
| MC5062-13MSD | R24275.D | 11/05/11 | 17:27 | 02:58 | Matrix Spike Duplicate |
| MC5062-20 | R24276.D | 11/05/11 | 17:56 | 03:27 | (used for QC only; not part of job MC5183) |
| MC5062-20MS | R24277.D | 11/05/11 | 18:24 | 03:55 | Matrix Spike |
| MC5062-20MSD | R24278.D | 11/05/11 | 18:52 | 04:23 | Matrix Spike Duplicate |
| ZZZZZZ | R24279.D | 11/05/11 | 19:21 | 04:52 | (unrelated sample) |
| ZZZZZZ | R24280.D | 11/05/11 | 19:49 | 05:20 | (unrelated sample) |
| ZZZZZZ | R24281.D | 11/05/11 | 20:17 | 05:48 | (unrelated sample) |
| ZZZZZZ | R24282.D | 11/05/11 | 20:45 | 06:16 | (unrelated sample) |
| ZZZZZZ | R24283.D | 11/05/11 | 21:13 | 06:44 | (unrelated sample) |
| ZZZZZZ | R24284.D | 11/05/11 | 21:41 | 07:12 | (unrelated sample) |
| ZZZZZZ | R24285.D | 11/05/11 | 22:09 | 07:40 | (unrelated sample) |
| ZZZZZZ | R24286.D | 11/05/11 | 22:38 | 08:09 | (unrelated sample) |
| ZZZZZZ | R24287.D | 11/05/11 | 23:06 | 08:37 | (unrelated sample) |
| ZZZZZZ | R24288.D | 11/05/11 | 23:34 | 09:05 | (unrelated sample) |
| ZZZZZZ | R24289.D | 11/06/11 | 00:02 | 09:33 | (unrelated sample) |
| ZZZZZZ | R24290.D | 11/06/11 | 00:31 | 10:02 | (unrelated sample) |
| ZZZZZZ | R24291.D | 11/06/11 | 00:59 | 10:30 | (unrelated sample) |

Instrument Performance Check (BFB)

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|------------------------------|---------------------------------|
| Sample: MSR900-BFB | Injection Date: 11/05/11 |
| Lab File ID: R24269.D | Injection Time: 14:29 |
| Instrument ID: GCMSR | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---------------|-------------|---------------|---------------|--------------|--------------------|
| ZZZZZZ | R24292.D | 11/06/11 | 01:27 | 10:58 | (unrelated sample) |

5.5.4
5

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSR901-BFB**Injection Date:** 11/06/11**Lab File ID:** R24295.D**Injection Time:** 01:52**Instrument ID:** GCMSR

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 10857 | 17.7 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 30256 | 49.5 | Pass |
| 95 | Base peak, 100% relative abundance | 61184 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4346 | 7.10 | Pass |
| 173 | Less than 2.0% of mass 174 | 236 | 0.39 (0.49) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 48424 | 79.1 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 3671 | 6.00 (7.58) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 46216 | 75.5 (95.4) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3063 | 5.01 (6.63) ^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 |
|---------------|-------------|---------------|---------------|--------------|--------------------|
| MSR901-CC899 | R24295.D | 11/06/11 | 01:52 | 00:00 | Continuing cal 50 |
| MSR901-BS2 | R24296.D | 11/06/11 | 02:20 | 00:28 | Blank Spike |
| MSR901-MB2 | R24298.D | 11/06/11 | 03:16 | 01:24 | Method Blank |
| ZZZZZZ | R24307.D | 11/06/11 | 07:29 | 05:37 | (unrelated sample) |
| ZZZZZZ | R24308.D | 11/06/11 | 07:57 | 06:05 | (unrelated sample) |
| ZZZZZZ | R24309.D | 11/06/11 | 08:26 | 06:34 | (unrelated sample) |
| ZZZZZZ | R24310.D | 11/06/11 | 08:54 | 07:02 | (unrelated sample) |
| ZZZZZZ | R24311.D | 11/06/11 | 09:22 | 07:30 | (unrelated sample) |
| ZZZZZZ | R24312.D | 11/06/11 | 09:50 | 07:58 | (unrelated sample) |

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSR902-BFB**Injection Date:** 11/07/11**Lab File ID:** R24315.D**Injection Time:** 12:32**Instrument ID:** GCMSR

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 11974 | 17.6 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 32560 | 47.9 | Pass |
| 95 | Base peak, 100% relative abundance | 67928 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4677 | 6.89 | Pass |
| 173 | Less than 2.0% of mass 174 | 359 | 0.53 (0.69) ^a | Pass |
| 174 | 50.0 - 150.0% of mass 95 | 52192 | 76.8 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 3905 | 5.75 (7.48) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 51128 | 75.3 (98.0) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3371 | 4.96 (6.59) ^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 |
|---------------|-------------|---------------|---------------|--------------|-----------------------|
| MSR902-CC899 | R24315.D | 11/07/11 | 12:32 | 00:00 | Continuing cal 50 |
| MSR902-BS | R24316.D | 11/07/11 | 13:06 | 00:34 | Blank Spike |
| MSR901-BS3 | R24316.D | 11/07/11 | 13:06 | 00:34 | Blank Spike |
| MSR902-BSD | R24317.D | 11/07/11 | 13:34 | 01:02 | Blank Spike Duplicate |
| MSR902-MB | R24319.D | 11/07/11 | 14:31 | 01:59 | Method Blank |
| MSR901-MB3 | R24319.D | 11/07/11 | 14:31 | 01:59 | Method Blank |
| ZZZZZZ | R24320.D | 11/07/11 | 15:00 | 02:28 | (unrelated sample) |
| ZZZZZZ | R24321.D | 11/07/11 | 15:28 | 02:56 | (unrelated sample) |
| ZZZZZZ | R24322.D | 11/07/11 | 15:56 | 03:24 | (unrelated sample) |
| MC5183-6 | R24323.D | 11/07/11 | 16:27 | 03:55 | WE33-FIELDBLK-026 |
| MC5183-8 | R24324.D | 11/07/11 | 16:55 | 04:23 | WE33-EBLK-028 |
| ZZZZZZ | R24325.D | 11/07/11 | 17:23 | 04:51 | (unrelated sample) |
| ZZZZZZ | R24326.D | 11/07/11 | 17:52 | 05:20 | (unrelated sample) |
| ZZZZZZ | R24327.D | 11/07/11 | 18:20 | 05:48 | (unrelated sample) |
| ZZZZZZ | R24328.D | 11/07/11 | 18:48 | 06:16 | (unrelated sample) |
| ZZZZZZ | R24329.D | 11/07/11 | 19:16 | 06:44 | (unrelated sample) |

Instrument Performance Check (BFB)

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|-----------------------------|---------------------------------|
| Sample: MSV126-BFB | Injection Date: 10/24/11 |
| Lab File ID: V2840.D | Injection Time: 11:56 |
| Instrument ID: GCMSV | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 79243 | 18.6 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 203328 | 47.8 | Pass |
| 95 | Base peak, 100% relative abundance | 425045 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 28328 | 6.66 | Pass |
| 173 | Less than 2.0% of mass 174 | 3527 | 0.83 (1.07) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 330133 | 77.7 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 24440 | 5.75 (7.40) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 319211 | 75.1 (96.7) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 20605 | 4.85 (6.45) ^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 |
|---------------|-------------|---------------|---------------|--------------|-----------------------------|
| MSV126-IC126 | V2841.D | 10/24/11 | 12:26 | 00:30 | Initial cal 0.5 |
| MSV127-IC127 | V2841A.D | 10/24/11 | 12:26 | 00:30 | Initial cal 0.5 |
| MSV126-IC126 | V2842.D | 10/24/11 | 12:56 | 01:00 | Initial cal 2 |
| MSV127-IC127 | V2842A.D | 10/24/11 | 12:56 | 01:00 | Initial cal 2 |
| MSV126-IC126 | V2843.D | 10/24/11 | 13:26 | 01:30 | Initial cal 5 |
| MSV127-IC127 | V2843A.D | 10/24/11 | 13:26 | 01:30 | Initial cal 5 |
| MSV126-IC126 | V2844.D | 10/24/11 | 13:56 | 02:00 | Initial cal 10 |
| MSV127-IC127 | V2844A.D | 10/24/11 | 13:56 | 02:00 | Initial cal 10 |
| MSV126-IC126 | V2845.D | 10/24/11 | 14:27 | 02:31 | Initial cal 20 |
| MSV127-IC127 | V2845A.D | 10/24/11 | 14:27 | 02:31 | Initial cal 20 |
| MSV126-ICC126 | V2846.D | 10/24/11 | 14:57 | 03:01 | Initial cal 50 |
| MSV127-ICC127 | V2846A.D | 10/24/11 | 14:57 | 03:01 | Initial cal 50 |
| MSV126-IC126 | V2847.D | 10/24/11 | 15:27 | 03:31 | Initial cal 100 |
| MSV127-IC127 | V2847A.D | 10/24/11 | 15:27 | 03:31 | Initial cal 100 |
| MSV126-IC126 | V2848.D | 10/24/11 | 15:57 | 04:01 | Initial cal 200 |
| MSV127-IC127 | V2848A.D | 10/24/11 | 15:57 | 04:01 | Initial cal 200 |
| MSV126-IC126 | V2849.D | 10/24/11 | 16:27 | 04:31 | Initial cal 400 |
| MSV127-IC127 | V2849A.D | 10/24/11 | 16:27 | 04:31 | Initial cal 400 |
| MSV126-ICV126 | V2853.D | 10/24/11 | 18:28 | 06:32 | Initial cal verification 50 |

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSV136-BFB**Injection Date:** 11/04/11**Lab File ID:** V3076.D**Injection Time:** 09:45**Instrument ID:** GCMSV

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 91632 | 18.5 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 241984 | 48.8 | Pass |
| 95 | Base peak, 100% relative abundance | 495744 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 31752 | 6.40 | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 (0.00) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 405184 | 81.7 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 26376 | 5.32 (6.51) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 392320 | 79.1 (96.8) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 27872 | 5.62 (7.10) ^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 |
|---------------|-------------|---------------|---------------|--------------|--|
| MSV136-CC126 | V3076.D | 11/04/11 | 09:45 | 00:00 | Continuing cal 50 |
| MSV136-BS | V3077.D | 11/04/11 | 10:15 | 00:30 | Blank Spike |
| MSV136-MB | V3078.D | 11/04/11 | 10:45 | 01:00 | Method Blank |
| ZZZZZZ | V3079.D | 11/04/11 | 11:17 | 01:32 | (unrelated sample) |
| MC5183-7A | V3080.D | 11/04/11 | 11:48 | 02:03 | WE33-TRIPBLK-027 |
| ZZZZZZ | V3081.D | 11/04/11 | 12:18 | 02:33 | (unrelated sample) |
| MC5142-1 | V3082.D | 11/04/11 | 12:49 | 03:04 | (used for QC only; not part of job MC5183) |
| MC5142-1MS | V3083.D | 11/04/11 | 13:20 | 03:35 | Matrix Spike |
| MC5142-1MSD | V3084.D | 11/04/11 | 13:51 | 04:06 | Matrix Spike Duplicate |
| ZZZZZZ | V3085.D | 11/04/11 | 14:21 | 04:36 | (unrelated sample) |
| ZZZZZZ | V3086.D | 11/04/11 | 14:51 | 05:06 | (unrelated sample) |
| ZZZZZZ | V3087.D | 11/04/11 | 15:22 | 05:37 | (unrelated sample) |
| ZZZZZZ | V3088.D | 11/04/11 | 15:52 | 06:07 | (unrelated sample) |
| ZZZZZZ | V3089.D | 11/04/11 | 16:23 | 06:38 | (unrelated sample) |
| ZZZZZZ | V3090.D | 11/04/11 | 16:53 | 07:08 | (unrelated sample) |
| ZZZZZZ | V3091.D | 11/04/11 | 17:24 | 07:39 | (unrelated sample) |
| ZZZZZZ | V3093.D | 11/04/11 | 18:24 | 08:39 | (unrelated sample) |
| ZZZZZZ | V3094.D | 11/04/11 | 18:55 | 09:10 | (unrelated sample) |
| ZZZZZZ | V3095.D | 11/04/11 | 19:26 | 09:41 | (unrelated sample) |

Instrument Performance Check (BFB)**Job Number:** MC5183**Account:** GGSVAVB Global General Services**Project:** NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples**Sample:** MSV137-BFB**Injection Date:** 11/06/11**Lab File ID:** V3100.D**Injection Time:** 13:31**Instrument ID:** GCMSV

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | Pass/Fail |
|-----|------------------------------------|---------------|--------------------------|-----------|
| 50 | 15.0 - 40.0% of mass 95 | 64872 | 17.7 | Pass |
| 75 | 30.0 - 60.0% of mass 95 | 179648 | 49.0 | Pass |
| 95 | Base peak, 100% relative abundance | 366720 | 100.0 | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 21616 | 5.89 | Pass |
| 173 | Less than 2.0% of mass 174 | 3346 | 0.91 (1.00) ^a | Pass |
| 174 | 50.0 - 100.0% of mass 95 | 336192 | 91.7 | Pass |
| 175 | 5.0 - 9.0% of mass 174 | 24312 | 6.63 (7.23) ^a | Pass |
| 176 | 95.0 - 101.0% of mass 174 | 326080 | 88.9 (97.0) ^a | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 17880 | 4.88 (5.48) ^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 |
|---------------|-------------|---------------|---------------|--------------|------------------------|
| MSV137-CC126 | V3100.D | 11/06/11 | 13:31 | 00:00 | Continuing cal 50 |
| MSV137-BS | V3100.D | 11/06/11 | 13:31 | 00:00 | Blank Spike |
| ZZZZZZ | V3103.D | 11/06/11 | 15:04 | 01:33 | (unrelated sample) |
| MSV137-MB | V3109.D | 11/06/11 | 18:28 | 04:57 | Method Blank |
| MC5183-5 | V3110.D | 11/06/11 | 18:59 | 05:28 | WE33-SIDEWALL-025 |
| MC5183-1 | V3111.D | 11/06/11 | 19:29 | 05:58 | WE33-SIDEWALL-021 |
| MC5183-2 | V3112.D | 11/06/11 | 20:00 | 06:29 | WE33-SIDEWALL-022 |
| MC5183-3 | V3113.D | 11/06/11 | 20:30 | 06:59 | WE33-SIDEWALL-023 |
| MC5183-4 | V3114.D | 11/06/11 | 21:01 | 07:30 | WE33-SIDEWALL-024 |
| MC5183-5MS | V3115.D | 11/06/11 | 21:31 | 08:00 | Matrix Spike |
| MC5183-5MSD | V3116.D | 11/06/11 | 22:02 | 08:31 | Matrix Spike Duplicate |
| ZZZZZZ | V3117.D | 11/06/11 | 22:33 | 09:02 | (unrelated sample) |
| ZZZZZZ | V3118.D | 11/06/11 | 23:03 | 09:32 | (unrelated sample) |
| ZZZZZZ | V3119.D | 11/06/11 | 23:34 | 10:03 | (unrelated sample) |
| ZZZZZZ | V3120.D | 11/07/11 | 00:05 | 10:34 | (unrelated sample) |
| ZZZZZZ | V3121.D | 11/07/11 | 00:35 | 11:04 | (unrelated sample) |
| ZZZZZZ | V3122.D | 11/07/11 | 01:06 | 11:35 | (unrelated sample) |

Volatile Internal Standard Area Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|----------------------------------|---------------------------------|
| Check Std: MSE2276-CC2266 | Injection Date: 11/04/11 |
| Lab File ID: E56600.D | Injection Time: 10:22 |
| Instrument ID: GCMSE | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 223716 | 9.10 | 355644 | 9.98 | 173001 | 13.24 | 134590 | 15.79 | 37748 | 6.62 |
| Upper Limit ^a | 447432 | 9.60 | 711288 | 10.48 | 346002 | 13.74 | 269180 | 16.29 | 75496 | 7.12 |
| Lower Limit ^b | 111858 | 8.60 | 177822 | 9.48 | 86501 | 12.74 | 67295 | 15.29 | 18874 | 6.12 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSE2276-BS | 231269 | 9.10 | 361731 | 9.98 | 173992 | 13.23 | 135112 | 15.79 | 36426 | 6.62 |
| MSE2276-BSD | 223996 | 9.10 | 357227 | 9.98 | 174704 | 13.24 | 132991 | 15.79 | 36872 | 6.62 |
| MSE2276-MB | 218383 | 9.10 | 355115 | 9.97 | 160030 | 13.23 | 120682 | 15.80 | 35615 | 6.62 |
| ZZZZZZ | 217496 | 9.10 | 345457 | 9.98 | 161562 | 13.24 | 122860 | 15.79 | 37555 | 6.62 |
| ZZZZZZ | 213912 | 9.10 | 338611 | 9.97 | 151964 | 13.24 | 117563 | 15.79 | 34522 | 6.62 |
| MC5183-7 | 219309 | 9.10 | 349787 | 9.98 | 158631 | 13.24 | 120364 | 15.79 | 37505 | 6.62 |
| ZZZZZZ | 214682 | 9.10 | 346851 | 9.98 | 155390 | 13.23 | 118222 | 15.79 | 35371 | 6.63 |
| ZZZZZZ | 215566 | 9.10 | 342085 | 9.97 | 160961 | 13.24 | 122889 | 15.79 | 34042 | 6.63 |
| MC5148-1 | 215427 | 9.10 | 349124 | 9.97 | 157639 | 13.23 | 120411 | 15.80 | 34438 | 6.63 |
| ZZZZZZ | 219275 | 9.10 | 349024 | 9.97 | 160745 | 13.24 | 120943 | 15.79 | 33685 | 6.63 |
| MC5148-1MS | 218373 | 9.10 | 343985 | 9.98 | 164407 | 13.23 | 125452 | 15.79 | 36765 | 6.62 |
| ZZZZZZ | 210139 | 9.09 | 338134 | 9.97 | 158883 | 13.23 | 129278 | 15.79 | 33455 | 6.62 |
| ZZZZZZ | 215828 | 9.09 | 353128 | 9.97 | 161036 | 13.23 | 133890 | 15.78 | 36417 | 6.61 |
| ZZZZZZ | 218672 | 9.09 | 349132 | 9.96 | 158046 | 13.23 | 123679 | 15.79 | 39653 | 6.62 |
| ZZZZZZ | 223220 | 9.09 | 352742 | 9.97 | 160439 | 13.23 | 122520 | 15.78 | 35648 | 6.61 |
| ZZZZZZ | 218921 | 9.10 | 347436 | 9.98 | 158690 | 13.24 | 121179 | 15.80 | 36501 | 6.62 |
| ZZZZZZ | 215367 | 9.09 | 357184 | 9.97 | 157839 | 13.23 | 123324 | 15.78 | 36859 | 6.61 |
| MC5148-1MSD | 225961 | 9.08 | 358124 | 9.96 | 172187 | 13.22 | 131004 | 15.78 | 36837 | 6.61 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.1
5

Volatile Internal Standard Area Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSR900-CC899 | Injection Date: 11/05/11 |
| Lab File ID: R24269.D | Injection Time: 14:29 |
| Instrument ID: GCMSR | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 124556 | 9.08 | 192502 | 9.95 | 104145 | 13.20 | 98042 | 15.76 | 44629 | 6.65 |
| Upper Limit ^a | 249112 | 9.58 | 385004 | 10.45 | 208290 | 13.70 | 196084 | 16.26 | 89258 | 7.15 |
| Lower Limit ^b | 62278 | 8.58 | 96251 | 9.45 | 52073 | 12.70 | 49021 | 15.26 | 22315 | 6.15 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSR901-BS | 122900 | 9.08 | 193358 | 9.95 | 106590 | 13.20 | 96597 | 15.76 | 49253 | 6.66 |
| MSR900-BS | 122900 | 9.08 | 193358 | 9.95 | 106590 | 13.20 | 96597 | 15.76 | 49253 | 6.66 |
| MSR901-MB | 113058 | 9.08 | 177891 | 9.95 | 91933 | 13.21 | 84238 | 15.77 | 40576 | 6.68 |
| MSR900-MB | 113058 | 9.08 | 177891 | 9.95 | 91933 | 13.21 | 84238 | 15.77 | 40576 | 6.68 |
| MC5062-13 | 111605 | 9.08 | 175882 | 9.95 | 90953 | 13.21 | 83831 | 15.77 | 35377 | 6.69 |
| MC5062-13MS | 107297 | 9.08 | 172841 | 9.95 | 96356 | 13.20 | 86674 | 15.76 | 37848 | 6.66 |
| MC5062-13MSD | 112484 | 9.08 | 180138 | 9.95 | 100331 | 13.20 | 91495 | 15.76 | 38991 | 6.71 |
| MC5062-20 | 106601 | 9.08 | 166596 | 9.95 | 86967 | 13.21 | 80198 | 15.77 | 33897 | 6.68 |
| MC5062-20MS | 101679 | 9.08 | 163972 | 9.95 | 87731 | 13.21 | 84782 | 15.76 | 27349 | 6.67 |
| MC5062-20MSD | 105885 | 9.08 | 170917 | 9.95 | 96044 | 13.20 | 87274 | 15.76 | 36470 | 6.68 |
| ZZZZZZ | 107026 | 9.08 | 168009 | 9.95 | 87094 | 13.21 | 78670 | 15.77 | 31433 | 6.68 |
| ZZZZZZ | 104891 | 9.08 | 164374 | 9.95 | 85579 | 13.21 | 78151 | 15.77 | 36378 | 6.70 |
| ZZZZZZ | 97020 | 9.08 | 153463 | 9.95 | 79964 | 13.21 | 72558 | 15.77 | 32815 | 6.68 |
| ZZZZZZ | 96315 | 9.08 | 153190 | 9.95 | 79954 | 13.21 | 73145 | 15.77 | 34053 | 6.69 |
| ZZZZZZ | 91276 | 9.08 | 146647 | 9.95 | 76590 | 13.21 | 69126 | 15.77 | 30969 | 6.69 |
| ZZZZZZ | 93492 | 9.08 | 150022 | 9.95 | 79000 | 13.21 | 71376 | 15.77 | 32020 | 6.68 |
| ZZZZZZ | 88789 | 9.08 | 143786 | 9.95 | 75705 | 13.21 | 68304 | 15.77 | 32136 | 6.68 |
| ZZZZZZ | 86640 | 9.08 | 140201 | 9.95 | 72435 | 13.21 | 66108 | 15.77 | 30467 | 6.67 |
| ZZZZZZ | 84910 | 9.08 | 137326 | 9.95 | 71949 | 13.21 | 64567 | 15.77 | 28146 | 6.68 |
| ZZZZZZ | 84006 | 9.08 | 135977 | 9.95 | 72184 | 13.21 | 64598 | 15.77 | 28371 | 6.67 |
| ZZZZZZ | 85896 | 9.08 | 138715 | 9.95 | 73157 | 13.21 | 65007 | 15.77 | 30861 | 6.69 |
| ZZZZZZ | 82752 | 9.08 | 135400 | 9.95 | 71968 | 13.21 | 63280 | 15.77 | 29548 | 6.69 |
| ZZZZZZ | 82217 | 9.08 | 135078 | 9.95 | 71423 | 13.21 | 62166 | 15.77 | 23360 | 6.68 |
| ZZZZZZ | 80913 | 9.08 | 132489 | 9.95 | 70066 | 13.21 | 62470 | 15.77 | 25113 | 6.67 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.2
5

Volatile Internal Standard Area Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSR901-CC899 | Injection Date: 11/06/11 |
| Lab File ID: R24295.D | Injection Time: 01:52 |
| Instrument ID: GCMSR | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 83285 | 9.08 | 139765 | 9.95 | 80756 | 13.20 | 74516 | 15.76 | 25505 | 6.70 |
| Upper Limit ^a | 166570 | 9.58 | 279530 | 10.45 | 161512 | 13.70 | 149032 | 16.26 | 51010 | 7.20 |
| Lower Limit ^b | 41643 | 8.58 | 69883 | 9.45 | 40378 | 12.70 | 37258 | 15.26 | 12753 | 6.20 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSR901-BS2 | 85208 | 9.08 | 142800 | 9.95 | 76326 | 13.21 | 72792 | 15.76 | 28305 | 6.68 |
| MSR901-MB2 | 82530 | 9.08 | 134847 | 9.95 | 71026 | 13.21 | 63182 | 15.77 | 28985 | 6.68 |
| ZZZZZZ | 70946 | 9.08 | 117588 | 9.95 | 63801 | 13.21 | 60454 | 15.77 | 30150 | 6.68 |
| ZZZZZZ | 78640 | 9.08 | 129875 | 9.95 | 68632 | 13.21 | 60845 | 15.77 | 33818 | 6.69 |
| ZZZZZZ | 75211 | 9.08 | 123844 | 9.95 | 67211 | 13.21 | 61111 | 15.77 | 30077 | 6.69 |
| ZZZZZZ | 76161 | 9.08 | 124485 | 9.95 | 66032 | 13.21 | 57734 | 15.77 | 31590 | 6.66 |
| ZZZZZZ | 77111 | 9.08 | 125067 | 9.95 | 65434 | 13.21 | 57527 | 15.77 | 31360 | 6.66 |
| ZZZZZZ | 72548 | 9.08 | 117657 | 9.95 | 62936 | 13.21 | 58460 | 15.77 | 30940 | 6.66 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.3
5

Volatile Internal Standard Area Summary

Job Number: MC5183

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSR902-CC899 | Injection Date: 11/07/11 |
| Lab File ID: R24315.D | Injection Time: 12:32 |
| Instrument ID: GCMSR | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|-------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 108583 | 9.08 | 172400 | 9.95 | 94257 | 13.20 | 81497 | 15.76 | 41839 | 6.66 |
| Upper Limit ^a | 217166 | 9.58 | 344800 | 10.45 | 188514 | 13.70 | 162994 | 16.26 | 83678 | 7.16 |
| Lower Limit ^b | 54292 | 8.58 | 86200 | 9.45 | 47129 | 12.70 | 40749 | 15.26 | 20920 | 6.16 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSR902-BS | 106581 | 9.08 | 173044 | 9.95 | 89630 | 13.21 | 82768 | 15.76 | 40092 | 6.66 |
| MSR901-BS3 | 106581 | 9.08 | 173044 | 9.95 | 89630 | 13.21 | 82768 | 15.76 | 40092 | 6.66 |
| MSR902-BSD | 102382 | 9.08 | 166785 | 9.95 | 94574 | 13.20 | 81019 | 15.76 | 40101 | 6.66 |
| MSR902-MB | 93296 | 9.08 | 151498 | 9.95 | 79183 | 13.21 | 68238 | 15.77 | 38170 | 6.72 |
| MSR901-MB3 | 93296 | 9.08 | 151498 | 9.95 | 79183 | 13.21 | 68238 | 15.77 | 38170 | 6.72 |
| ZZZZZZ | 88261 | 9.08 | 142893 | 9.95 | 74917 | 13.21 | 64272 | 15.77 | 31853 | 6.68 |
| ZZZZZZ | 86093 | 9.08 | 141494 | 9.95 | 73598 | 13.21 | 63403 | 15.77 | 32094 | 6.69 |
| ZZZZZZ | 78482 | 9.08 | 129223 | 9.95 | 68145 | 13.21 | 58969 | 15.77 | 28787 | 6.68 |
| MC5183-6 | 82815 | 9.08 | 135511 | 9.95 | 71211 | 13.21 | 61298 | 15.77 | 31547 | 6.69 |
| MC5183-8 | 76102 | 9.08 | 125738 | 9.95 | 66461 | 13.21 | 56863 | 15.77 | 30648 | 6.67 |
| ZZZZZZ | 74861 | 9.08 | 124850 | 9.95 | 66826 | 13.21 | 55855 | 15.77 | 32542 | 6.66 |
| ZZZZZZ | 76195 | 9.08 | 126387 | 9.95 | 67202 | 13.21 | 58698 | 15.77 | 29554 | 6.68 |
| ZZZZZZ | 73792 | 9.08 | 122494 | 9.95 | 65648 | 13.21 | 56311 | 15.77 | 27957 | 6.68 |
| ZZZZZZ | 73308 | 9.09 | 120885 | 9.95 | 65089 | 13.21 | 55413 | 15.77 | 27296 | 6.67 |
| ZZZZZZ | 70058 | 9.08 | 117314 | 9.95 | 64079 | 13.21 | 52758 | 15.77 | 27106 | 6.67 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.4
5

Volatile Internal Standard Area Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | |
|-----------------------|--------------|------------------------|-------------|
| Check Std: | MSV136-CC126 | Injection Date: | 11/04/11 |
| Lab File ID: | V3076.D | Injection Time: | 09:45 |
| Instrument ID: | GCMSV | Method: | SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 753544 | 6.53 | 1131280 | 7.72 | 684626 | 11.07 | 616738 | 13.31 | 277776 | 3.51 |
| Upper Limit ^a | 1507088 | 7.03 | 2262560 | 8.22 | 1369252 | 11.57 | 1233476 | 13.81 | 555552 | 4.01 |
| Lower Limit ^b | 376772 | 6.03 | 565640 | 7.22 | 342313 | 10.57 | 308369 | 12.81 | 138888 | 3.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| MSV136-BS | 704532 | 6.52 | 1055344 | 7.71 | 640125 | 11.07 | 577169 | 13.31 | 269762 | 3.49 |
| MSV136-MB | 687893 | 6.53 | 1046455 | 7.72 | 644722 | 11.07 | 606165 | 13.31 | 373455 | 3.50 |
| ZZZZZZ | 644360 | 6.53 | 963272 | 7.72 | 593718 | 11.07 | 547144 | 13.31 | 366104 | 3.50 |
| MC5183-7A | 645448 | 6.53 | 993270 | 7.72 | 615202 | 11.07 | 571356 | 13.31 | 365573 | 3.50 |
| ZZZZZZ | 629994 | 6.52 | 965113 | 7.71 | 529754 | 11.07 | 405874 | 13.31 | 327468 | 3.50 |
| MC5142-1 | 638587 | 6.52 | 980041 | 7.71 | 596948 | 11.07 | 567812 | 13.31 | 332288 | 3.49 |
| MC5142-1MS | 704959 | 6.53 | 1065015 | 7.72 | 644496 | 11.07 | 601776 | 13.31 | 388756 | 3.51 |
| MC5142-1MSD | 718268 | 6.52 | 1074284 | 7.71 | 653476 | 11.07 | 610338 | 13.31 | 384117 | 3.49 |
| ZZZZZZ | 703904 | 6.53 | 1069779 | 7.72 | 655401 | 11.07 | 622257 | 13.31 | 391650 | 3.50 |
| ZZZZZZ | 688311 | 6.52 | 1048019 | 7.71 | 640803 | 11.07 | 594233 | 13.31 | 324111 | 3.49 |
| ZZZZZZ | 698481 | 6.53 | 1051603 | 7.72 | 647147 | 11.07 | 604779 | 13.31 | 355685 | 3.50 |
| ZZZZZZ | 696983 | 6.52 | 1048686 | 7.71 | 661543 | 11.07 | 623377 | 13.31 | 375568 | 3.49 |
| ZZZZZZ | 718352 | 6.53 | 1071210 | 7.72 | 672555 | 11.07 | 538060 | 13.31 | 346647 | 3.50 |
| ZZZZZZ | 713245 | 6.52 | 1071948 | 7.71 | 643060 | 11.07 | 584698 | 13.30 | 219486 | 3.50 |
| ZZZZZZ | 735692 | 6.52 | 1117920 | 7.71 | 654950 | 11.07 | 594252 | 13.30 | 225498 | 3.50 |
| ZZZZZZ | 691671 | 6.51 | 1052302 | 7.71 | 629858 | 11.07 | 558567 | 13.30 | 219692 | 3.49 |
| ZZZZZZ | 583609 | 6.51 | 869570 | 7.70 | 510301 | 11.07 | 452141 | 13.30 | 188363 | 3.48 |
| ZZZZZZ | 613123 | 6.51 | 916783 | 7.70 | 553127 | 11.06 | 490612 | 13.30 | 211112 | 3.48 |

- IS 1 = Pentafluorobenzene
- IS 2 = 1,4-Difluorobenzene
- IS 3 = Chlorobenzene-D5
- IS 4 = 1,4-Dichlorobenzene-d4
- IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.5
5

Volatile Internal Standard Area Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | |
|--------------------------------|---------------------------------|
| Check Std: MSV137-CC126 | Injection Date: 11/06/11 |
| Lab File ID: V3100.D | Injection Time: 13:31 |
| Instrument ID: GCMSV | Method: SW846 8260B |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|--------------------------|--------------|------|--------------|------|--------------|-------|--------------|-------|--------------|------|
| Check Std | 834725 | 6.50 | 1255591 | 7.70 | 764223 | 11.06 | 707216 | 13.29 | 313086 | 3.49 |
| Upper Limit ^a | 1669450 | 7.00 | 2511182 | 8.20 | 1528446 | 11.56 | 1414432 | 13.79 | 626172 | 3.99 |
| Lower Limit ^b | 417363 | 6.00 | 627796 | 7.20 | 382112 | 10.56 | 353608 | 12.79 | 156543 | 2.99 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT | IS 4 AREA | RT | IS 5 AREA | RT |
|------------------|--------------|------|--------------|------|--------------|-------|---------------------|-------|--------------|------|
| MSV137-BS | 834725 | 6.50 | 1255591 | 7.70 | 764223 | 11.06 | 707216 | 13.29 | 313086 | 3.49 |
| ZZZZZZ | 689476 | 6.50 | 1039185 | 7.69 | 487212 | 11.06 | 118291 ^c | 13.29 | 398918 | 3.48 |
| MSV137-MB | 745429 | 6.50 | 1138746 | 7.69 | 698252 | 11.06 | 676888 | 13.29 | 398312 | 3.48 |
| MC5183-5 | 768148 | 6.50 | 1165132 | 7.70 | 716946 | 11.06 | 674420 | 13.29 | 283041 | 3.46 |
| MC5183-1 | 729406 | 6.50 | 1114562 | 7.69 | 694798 | 11.06 | 658931 | 13.29 | 413337 | 3.48 |
| MC5183-2 | 713571 | 6.50 | 1101629 | 7.69 | 678343 | 11.06 | 585209 | 13.29 | 402229 | 3.47 |
| MC5183-3 | 714961 | 6.50 | 1094263 | 7.70 | 661011 | 11.06 | 607076 | 13.29 | 375318 | 3.48 |
| MC5183-4 | 719061 | 6.50 | 1101615 | 7.70 | 667590 | 11.06 | 589011 | 13.29 | 365971 | 3.49 |
| MC5183-5MS | 693515 | 6.50 | 1037028 | 7.70 | 619589 | 11.06 | 552756 | 13.29 | 397633 | 3.48 |
| MC5183-5MSD | 738860 | 6.50 | 1111151 | 7.70 | 668368 | 11.06 | 604870 | 13.29 | 389951 | 3.49 |
| ZZZZZZ | 736937 | 6.50 | 1094150 | 7.69 | 652247 | 11.06 | 581931 | 13.29 | 255259 | 3.47 |
| ZZZZZZ | 718675 | 6.51 | 1088575 | 7.70 | 637208 | 11.06 | 558671 | 13.30 | 209657 | 3.48 |
| ZZZZZZ | 692667 | 6.51 | 1041047 | 7.70 | 616289 | 11.06 | 545988 | 13.30 | 203696 | 3.47 |
| ZZZZZZ | 710335 | 6.50 | 1081864 | 7.70 | 661449 | 11.06 | 623297 | 13.30 | 252020 | 3.48 |
| ZZZZZZ | 718376 | 6.50 | 1076967 | 7.70 | 641657 | 11.06 | 548858 | 13.30 | 174599 | 3.52 |
| ZZZZZZ | 714566 | 6.51 | 1070322 | 7.70 | 636882 | 11.06 | 548553 | 13.30 | 193044 | 3.48 |

- IS 1** = Pentafluorobenzene
- IS 2** = 1,4-Difluorobenzene
- IS 3** = Chlorobenzene-D5
- IS 4** = 1,4-Dichlorobenzene-d4
- IS 5** = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
 (b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
 (c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

5.6.6
5

Volatile Surrogate Recovery Summary

Job Number: MC5183

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Method: SW846 8260B

Matrix: AQ

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---------------|-------------|-------|-------|-------|
| MC5183-6 | R24323.D | 98.0 | 96.0 | 96.0 |
| MC5183-8 | R24324.D | 108.0 | 102.0 | 101.0 |
| MC5062-20MS | R24277.D | 98.0 | 97.0 | 92.0 |
| MC5062-20MSD | R24278.D | 96.0 | 96.0 | 93.0 |
| MSR901-BS3 | R24316.D | 88.0 | 89.0 | 90.0 |
| MSR901-MB3 | R24319.D | 94.0 | 94.0 | 97.0 |
| MSR901-MB | R24272.D | 86.0 | 90.0 | 90.0 |
| MSR901-MB2 | R24298.D | 104.0 | 101.0 | 97.0 |

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane

70-130%

S2 = Toluene-D8

70-130%

S3 = 4-Bromofluorobenzene

70-130%

Volatile Surrogate Recovery Summary

Job Number: MC5183

Account: GGSVAVB Global General Services

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

| Lab Sample ID | Lab File ID | S1 | S2 | S3 |
|---------------|-------------|-------|-------|-------|
| MC5183-1 | V3111.D | 105.0 | 103.0 | 91.0 |
| MC5183-2 | V3112.D | 105.0 | 103.0 | 97.0 |
| MC5183-3 | V3113.D | 106.0 | 103.0 | 92.0 |
| MC5183-4 | V3114.D | 109.0 | 102.0 | 94.0 |
| MC5183-5 | V3110.D | 104.0 | 101.0 | 89.0 |
| MC5183-7 | E56607.D | 95.0 | 100.0 | 112.0 |
| MC5183-7A | V3080.D | 102.0 | 101.0 | 105.0 |
| MC5142-1MS | V3083.D | 99.0 | 98.0 | 102.0 |
| MC5142-1MSD | V3084.D | 98.0 | 98.0 | 102.0 |
| MC5148-1MS | E56612.D | 90.0 | 98.0 | 103.0 |
| MC5148-1MSD | E56625.D | 81.0 | 98.0 | 108.0 |
| MC5183-5MS | V3115.D | 117.0 | 111.0 | 104.0 |
| MC5183-5MSD | V3116.D | 110.0 | 105.0 | 96.0 |
| MSE2276-BS | E56601.D | 91.0 | 100.0 | 109.0 |
| MSE2276-BSD | E56602.D | 90.0 | 96.0 | 107.0 |
| MSE2276-MB | E56604.D | 91.0 | 95.0 | 108.0 |
| MSV136-BS | V3077.D | 101.0 | 101.0 | 104.0 |
| MSV136-MB | V3078.D | 98.0 | 98.0 | 100.0 |
| MSV137-BS | V3100.D | 85.0 | 89.0 | 118.0 |
| MSV137-MB | V3109.D | 107.0 | 103.0 | 88.0 |

Surrogate Compounds

Recovery Limits

| | |
|---------------------------|---------|
| S1 = Dibromofluoromethane | 70-130% |
| S2 = Toluene-D8 | 70-130% |
| S3 = 4-Bromofluorobenzene | 70-130% |

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSE2266-ICC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56201.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Response Factor Report MSE

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration

Calibration Files

2.0 =E56198.D 5 =E56199.D 50 =E56201.D 100 =E56202.D
 200 =E56203.D 400 =E56204.D 0.5 =E56197.D 25 =E56200.D
 = =

| Compound | 2.0 | 5 | 50 | 100 | 200 | 400 | 0.5 | 25 | Avg | %RSD |
|--|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I tert butyl alcohol-d9 -----ISTD----- | | | | | | | | | | |
| 2) tertiary butyl alcohol | | 1.540 | 1.411 | 1.299 | 1.360 | 1.452 | | 1.288 | 1.392 | 6.93 |
| 3) Ethanol | | 0.239 | 0.232 | 0.216 | 0.218 | 0.224 | | 0.228 | 0.226 | 3.90 |
| 4) I pentafluorobenzene -----ISTD----- | | | | | | | | | | |
| 5) dichlorodifluoromethane | | 0.757 | 0.604 | 0.666 | 0.605 | 0.605 | 0.578 | 0.641 | 0.637 | 9.51 |
| 6) chloromethane | | 0.825 | 0.833 | 0.757 | 0.766 | 0.765 | | 0.825 | 0.795 | 4.53 |
| 7) vinyl chloride | | 0.793 | 0.656 | 0.636 | 0.611 | 0.599 | 0.585 | 0.660 | 0.648 | 10.74 |
| 8) bromomethane | | 0.546 | 0.475 | 0.425 | 0.381 | 0.382 | 0.378 | 0.399 | 0.427 | 14.79 |
| 9) chloroethane | | 0.453 | 0.426 | 0.407 | 0.363 | 0.372 | 0.350 | 0.357 | 0.390 | 10.08 |
| 10) ethyl ether | | 0.362 | 0.330 | 0.338 | 0.327 | 0.334 | 0.326 | 0.290 | 0.329 | 6.42 |
| 11) acetonitrile | | 0.107 | 0.085 | 0.092 | 0.096 | 0.111 | | 0.080 | 0.095 | 12.83 |
| 12) trichlorofluoromethane | | 0.994 | 0.775 | 0.890 | 0.806 | 0.801 | 0.784 | 0.827 | 0.840 | 9.29 |
| 13) freon-113 | | 0.589 | 0.527 | 0.586 | 0.537 | 0.536 | 0.518 | 0.557 | 0.550 | 5.12 |
| 14) acrolein | | 0.014 | 0.014 | 0.013 | 0.013 | 0.013 | | 0.012 | 0.013 | 5.06 |
| 15) 1,1-dichloroethene | | 0.603 | 0.506 | 0.490 | 0.464 | 0.468 | 0.446 | 0.493 | 0.496 | 10.40 |
| 16) acetone | | 0.164 | 0.102 | 0.091 | 0.081 | 0.080 | | 0.125 | 0.107 | 30.07 |
| ----- Linear regression ----- Coefficient = 0.9990 | | | | | | | | | | |
| Response Ratio = 0.01988 + 0.07746 *A | | | | | | | | | | |
| 17) Methyl Acetate | | 0.481 | 0.414 | 0.390 | 0.388 | 0.376 | | 0.380 | 0.405 | 9.79 |
| 18) methylene chloride | | 0.634 | 0.554 | 0.556 | 0.528 | 0.513 | 0.505 | 0.525 | 0.545 | 7.99 |
| 19) methyl tert butyl ether | | 0.813 | 0.696 | 0.861 | 0.828 | 0.865 | 0.857 | 0.742 | 0.809 | 8.07 |
| 20) acrylonitrile | | 0.026 | 0.022 | 0.020 | 0.019 | 0.018 | 0.018 | 0.019 | 0.020 | 13.90 |
| 21) allyl chloride | | 1.328 | 1.168 | 1.237 | 1.149 | 1.159 | 1.137 | 1.082 | 1.180 | 6.76 |

5.8.1
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSE2266-ICC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56201.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | |
|-------|----------------------------------|--|-------|-------|-------|-------|-------|----------------------|-------|--|
| 22) | trans-1,2-dichloroethene | 0.616 | 0.580 | 0.537 | 0.536 | 0.527 | 0.554 | 0.558 | 6.08 | |
| 23) | iodomethane | 1.084 | 0.980 | 0.973 | 0.902 | 0.908 | 0.891 | 0.874 | 7.78 | |
| 24) | carbon disulfide | 1.928 | 1.965 | 2.050 | 1.871 | 1.891 | 1.820 | 1.861 | 4.01 | |
| 25) | propionitrile | 0.006 | 0.004 | 0.004 | 0.004 | 0.004 | 0.001 | 0.004 | 39.46 | |
| 26) | vinyl acetate | 0.812 | 0.777 | 0.845 | 0.832 | 0.846 | 0.867 | 0.708 | 6.68 | |
| 27) | chloroprene | 0.935 | 0.793 | 0.974 | 0.920 | 0.922 | 0.918 | 0.859 | 6.57 | |
| 28) | di-isopropyl ether | 2.305 | 1.825 | 2.230 | 2.084 | 2.182 | 2.125 | 1.979 | 7.68 | |
| 29) | methacrylonitrile | 0.265 | 0.251 | 0.211 | 0.204 | 0.205 | 0.197 | 0.178 | 14.34 | |
| 30) | 2-butanone | 0.037 | 0.027 | 0.023 | 0.024 | 0.029 | 0.022 | 0.027 | 20.54 | |
| | ----- Quadratic regression ----- | | | | | | | Coefficient = 0.9991 | | |
| | | Response Ratio = 0.00374 + 0.01796 *A + 0.00134 *A^2 | | | | | | | | |
| 31) | Hexane | 1.307 | 1.090 | 1.244 | 1.133 | 1.130 | 1.092 | 1.146 | 7.00 | |
| 32) | 1,1-dichloroethane | 1.191 | 1.022 | 1.130 | 1.030 | 1.038 | 1.012 | 1.009 | 6.64 | |
| 33) | tert-butyl ethyl ether | 1.173 | 1.040 | 1.276 | 1.243 | 1.292 | 1.263 | 1.096 | 8.15 | |
| 34) | isobutyl alcohol | 0.023 | 0.059 | 0.048 | 0.041 | 0.041 | 0.040 | 0.044 | 25.52 | |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9993 | | |
| | | Response Ratio = 0.01383 + 0.04006 *A | | | | | | | | |
| 35) | 2,2-dichloropropane | 0.859 | 0.702 | 0.754 | 0.648 | 0.666 | 0.625 | 0.692 | 11.19 | |
| 36) | cis-1,2-dichloroethene | 0.636 | 0.542 | 0.598 | 0.570 | 0.559 | 0.547 | 0.551 | 5.95 | |
| 37) | bromochloromethane | 0.258 | 0.226 | 0.242 | 0.227 | 0.224 | 0.219 | 0.211 | 6.75 | |
| 38) | chloroform | 1.035 | 0.896 | 1.001 | 0.921 | 0.934 | 0.909 | 0.879 | 6.09 | |
| 39) | dibromofluoromethane (s) | 0.697 | 0.622 | 0.559 | 0.564 | 0.555 | 0.559 | 0.599 | 8.75 | |
| 40) | Tetrahydrofuran | 0.156 | 0.099 | 0.070 | 0.076 | 0.076 | 0.074 | 0.058 | 37.52 | |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9995 | | |
| | | Response Ratio = -0.00039 + 0.07473 *A | | | | | | | | |
| 41) | 1,1,1-trichloroethane | 0.838 | 0.793 | 0.832 | 0.772 | 0.765 | 0.747 | 0.777 | 4.36 | |
| 42) I | 1,4-difluorobenzene | -----ISTD----- | | | | | | | | |
| 43) | Cyclohexane | 0.673 | 0.622 | 0.750 | 0.688 | 0.689 | 0.682 | 0.659 | 5.64 | |
| 44) | carbon tetrachloride | 0.510 | 0.394 | 0.471 | 0.427 | 0.426 | 0.421 | 0.419 | 8.86 | |
| 45) | 1,1-dichloropropene | 0.541 | 0.439 | 0.518 | 0.472 | 0.477 | 0.477 | 0.449 | 7.53 | |
| 46) | benzene | 1.522 | 1.315 | 1.473 | 1.336 | 1.349 | 1.343 | 1.379 | 5.60 | |
| 47) | 1,2-dichloroethane | | | | | | | | | |

5.8.1
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Initial Calibration Summary

Job Number: MC5183 **Sample:** MSE2266-ICC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56201.D
Project: NCBC Davisville Site 07,Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | |
|-----|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| 48) | tert-amyl methyl ether | 0.391 | 0.320 | 0.361 | 0.329 | 0.324 | 0.322 | 0.309 | 0.337 | 8.60 |
| 49) | heptane | 0.514 | 0.436 | 0.569 | 0.566 | 0.579 | 0.589 | 0.472 | 0.532 | 11.17 |
| 50) | trichloroethene | 0.648 | 0.547 | 0.675 | 0.611 | 0.603 | 0.594 | 0.578 | 0.608 | 7.03 |
| 51) | 1,2-dichloropropane | 0.428 | 0.344 | 0.366 | 0.345 | 0.351 | 0.345 | 0.325 | 0.358 | 9.29 |
| 52) | dibromomethane | 0.399 | 0.368 | 0.371 | 0.337 | 0.334 | 0.336 | 0.315 | 0.352 | 8.17 |
| 53) | bromodichloromethane | 0.153 | 0.153 | 0.160 | 0.148 | 0.143 | 0.145 | 0.139 | 0.149 | 4.83 |
| 54) | Methylcyclohexane | 0.461 | 0.332 | 0.428 | 0.389 | 0.396 | 0.393 | 0.359 | 0.394 | 10.74 |
| 55) | 2-chloroethyl vinyl ether | 0.605 | 0.506 | 0.618 | 0.568 | 0.567 | 0.561 | 0.539 | 0.566 | 6.66 |
| 56) | methyl methacrylate | 0.025 | 0.010 | 0.023 | 0.025 | | | 0.039 | 0.024 | 41.22 |
| | | 0.069 | 0.098 | 0.101 | 0.103 | 0.107 | | 0.079 | 0.093 | 16.29 |
| | | ----- Linear regression ----- Coefficient = 0.9997 | | | | | | | | |
| | | Response Ratio = -0.01152 + 0.10776 *A | | | | | | | | |
| 57) | 1,4-dioxane | 0.002 | 0.001 | 0.001 | 0.001 | | | 0.001 | 0.001 | 7.89 |
| 58) | cis-1,3-dichloropropene | 0.467 | 0.398 | 0.470 | 0.449 | 0.453 | 0.455 | 0.397 | 0.441 | 7.01 |
| 59) | toluene-d8 (s) | 1.228 | 1.116 | 1.129 | 1.129 | 1.089 | 1.120 | 1.176 | 1.141 | 4.04 |
| 60) | 4-methyl-2-pentanone | 0.094 | 0.168 | 0.166 | 0.166 | 0.166 | | 0.120 | 0.147 | 21.54 |
| | | ----- Linear regression ----- Coefficient = 0.9997 | | | | | | | | |
| | | Response Ratio = -0.00783 + 0.16696 *A | | | | | | | | |
| 61) | toluene | 0.802 | 0.675 | 0.872 | 0.820 | 0.813 | 0.811 | 0.752 | 0.792 | 7.87 |
| 62) | trans-1,3-dichloropropene | 0.257 | 0.248 | 0.323 | 0.310 | 0.311 | 0.323 | 0.276 | 0.292 | 10.80 |
| 63) | 1,1,2-trichloroethane | 0.179 | 0.156 | 0.166 | 0.157 | 0.159 | 0.151 | 0.150 | 0.160 | 6.30 |
| 64) | ethyl methacrylate | 0.154 | 0.139 | 0.244 | 0.242 | 0.228 | 0.230 | 0.185 | 0.203 | 21.42 |
| | | ----- Linear regression ----- Coefficient = 0.9995 | | | | | | | | |
| | | Response Ratio = -0.00235 + 0.23087 *A | | | | | | | | |
| 65) | I chlorobenzene-d5 | -----ISTD----- | | | | | | | | |
| 66) | tetrachloroethene | 0.854 | 0.712 | 0.773 | 0.721 | 0.670 | 0.703 | 0.692 | 0.732 | 8.52 |
| 67) | 1,3-dichloropropane | 0.742 | 0.633 | 0.696 | 0.664 | 0.622 | 0.671 | 0.646 | 0.668 | 6.13 |
| 68) | dibromochloromethane | 0.485 | 0.437 | 0.487 | 0.472 | 0.445 | 0.486 | 0.422 | 0.462 | 5.81 |
| 69) | 1,2-dibromoethane | 0.396 | 0.393 | 0.388 | 0.375 | 0.344 | 0.370 | 0.344 | 0.373 | 5.77 |
| 70) | 2-hexanone | 0.052 | 0.193 | 0.203 | 0.203 | 0.228 | | 0.173 | 0.175 | 35.80 |
| | | ----- Linear regression ----- Coefficient = 0.9975 | | | | | | | | |
| | | Response Ratio = -0.04060 + 0.22859 *A | | | | | | | | |
| 71) | chlorobenzene | | | | | | | | | |

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Initial Calibration Summary

Job Number: MC5183 **Sample:** MSE2266-ICC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56201.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | |
|-------|--|----------------|-------|-------|-------|-------|-------|----------------------|-------|-------|
| 72) | 1,1,1,2-tetrachloroethane | 1.973 | 1.684 | 1.822 | 1.734 | 1.620 | 1.704 | 1.628 | 1.738 | 7.16 |
| 73) | ethylbenzene | 0.634 | 0.571 | 0.615 | 0.572 | 0.536 | 0.557 | 0.536 | 0.574 | 6.54 |
| 74) | m,p-xylene | 2.893 | 2.658 | 3.228 | 3.062 | 2.878 | 3.018 | 2.769 | 2.929 | 6.50 |
| 75) | o-xylene | 0.995 | 0.997 | 1.260 | 1.192 | 1.085 | 1.147 | 1.094 | 1.110 | 8.82 |
| 76) | styrene | 1.133 | 0.935 | 1.173 | 1.107 | 1.049 | 1.101 | 1.027 | 1.075 | 7.33 |
| 77) | bromoform | 1.487 | 1.329 | 1.752 | 1.694 | 1.614 | 1.738 | 1.449 | 1.580 | 10.25 |
| 78) | trans-1,4-dichloro-2-butene | 0.264 | 0.228 | 0.246 | 0.237 | 0.230 | 0.246 | 0.221 | 0.239 | 6.03 |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9980 | | |
| | Response Ratio = -0.00353 + 0.10063 *A | | | | | | | | | |
| 79) I | 1,4-dichlorobenzene-d | -----ISTD----- | | | | | | | | |
| 80) | isopropylbenzene | 2.485 | 2.382 | 3.351 | 3.160 | 3.110 | 3.134 | 2.725 | 2.907 | 12.88 |
| 81) | bromofluorobenzene (s) | 1.007 | 1.039 | 1.009 | 1.051 | 1.005 | 1.050 | 1.040 | 1.029 | 2.04 |
| 82) | bromobenzene | 0.802 | 0.715 | 0.860 | 0.816 | 0.797 | 0.824 | 0.708 | 0.789 | 7.19 |
| 83) | 1,1,2,2-tetrachloroethane | 0.519 | 0.422 | 0.503 | 0.471 | 0.459 | 0.468 | 0.427 | 0.467 | 7.66 |
| 84) | 1,2,3-trichloropropane | 0.503 | 0.423 | 0.490 | 0.493 | 0.487 | 0.518 | 0.439 | 0.479 | 7.20 |
| 85) | n-propylbenzene | 3.505 | 3.235 | 4.438 | 4.194 | 4.084 | 4.055 | 3.599 | 3.873 | 11.14 |
| 86) | 2-chlorotoluene | 2.280 | 2.241 | 2.653 | 2.524 | 2.521 | 2.539 | 2.243 | 2.429 | 6.97 |
| 87) | 4-chlorotoluene | 2.547 | 2.184 | 2.709 | 2.607 | 2.524 | 2.562 | 2.266 | 2.485 | 7.61 |
| 88) | 1,3,5-trimethylbenzene | 2.421 | 2.354 | 3.141 | 2.965 | 2.863 | 2.789 | 2.524 | 2.722 | 10.86 |
| 89) | tert-butylbenzene | 1.378 | 1.226 | 1.642 | 1.541 | 1.489 | 1.476 | 1.348 | 1.443 | 9.52 |
| 90) | 1,2,4-trimethylbenzene | 2.291 | 2.096 | 3.020 | 2.877 | 2.750 | 2.746 | 2.426 | 2.601 | 12.92 |
| 91) | sec-butylbenzene | 2.816 | 2.652 | 3.780 | 3.437 | 3.313 | 3.262 | 3.136 | 3.200 | 11.84 |
| 92) | 1,3-dichlorobenzene | 1.521 | 1.372 | 1.587 | 1.503 | 1.454 | 1.477 | 1.369 | 1.469 | 5.38 |
| 93) | p-isopropyltoluene | 2.582 | 2.286 | 2.905 | 2.685 | 2.554 | 2.486 | 2.376 | 2.553 | 7.98 |
| 94) | 1,4-dichlorobenzene | 1.720 | 1.469 | 1.690 | 1.573 | 1.505 | 1.471 | 1.438 | 1.552 | 7.28 |
| 95) | 1,2-dichlorobenzene | 1.298 | 1.085 | 1.287 | 1.239 | 1.214 | 1.239 | 1.107 | 1.210 | 6.89 |
| 96) | n-butylbenzene | 2.370 | 2.114 | 2.830 | 2.631 | 2.485 | 2.385 | 2.334 | 2.450 | 9.35 |
| 97) | 1,2-dibromo-3-chloropropane | 0.087 | 0.065 | 0.064 | 0.061 | 0.065 | | 0.052 | 0.066 | 17.29 |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9984 | | |
| | Response Ratio = -0.00375 + 0.06514 *A | | | | | | | | | |
| 98) | 1,3,5-trichlorobenzene | | | | | | | | | |

5.8.1
5

Initial Calibration Verification

Job Number: MC5183 Sample: MSE2266-ICV2266
 Account: GGSVAVB Global General Services Lab FileID: E56206.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E56206.D Vial: 14
 Acq On : 20 Oct 2011 4:58 pm Operator: garyk
 Sample : cc2266-50 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|-------------|--------------------------|--------|---------|--------|-------|----------|------|
| 1 I | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 80 | 0.00 | 6.65 |
| 2 M | tertiary butyl alcohol | 1.392 | 1.733 | -24.5# | 99 | -0.01 | 6.74 |
| 3 T | Ethanol | 0.226 | 0.278 | -23.0# | 97 | 0.00 | 5.47 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 96 | 0.00 | 9.13 |
| 5 M | dichlorodifluoromethane | 0.637 | 0.643 | -0.9 | 93 | 0.00 | 4.27 |
| 6 P | chloromethane | 0.795 | 0.833 | -4.8 | 96 | 0.00 | 4.52 |
| 7 c | vinyl chloride | 0.648 | 0.660 | -1.9 | 100 | -0.01 | 4.77 |
| 8 M | bromomethane | 0.427 | 0.422 | 1.2 | 95 | -0.01 | 5.29 |
| 9 M | chloroethane | 0.390 | 0.379 | 2.8 | 90 | 0.00 | 5.47 |
| 10 M | ethyl ether | 0.329 | 0.336 | -2.1 | 96 | 0.00 | 6.38 |
| 11 M | acetonitrile | 0.095 | 0.076 | 20.0# | 86 | 0.00 | 6.02 |
| 12 M | trichlorofluoromethane | 0.840 | 0.867 | -3.2 | 94 | 0.00 | 6.13 |
| 13 M | freon-113 | 0.550 | 0.556 | -1.1 | 91 | 0.00 | 6.93 |
| 14 M | acrolein | 0.013 | 0.013 | 0.0 | 92 | 0.00 | 6.12 |
| 15 c | 1,1-dichloroethene | 0.496 | 0.481 | 3.0 | 94 | 0.00 | 6.73 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 16 M | acetone | 50.000 | 51.222 | -2.4 | 93 | 0.00 | 6.27 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 17 M | Methyl Acetate | 0.405 | 0.398 | 1.7 | 93 | 0.00 | 6.92 |
| 18 M | methylene chloride | 0.545 | 0.541 | 0.7 | 94 | 0.00 | 6.88 |
| 19 M | methyl tert butyl ether | 0.809 | 0.851 | -5.2 | 95 | 0.00 | 7.69 |
| 20 M | acrylonitrile | 0.020 | 0.019 | 5.0 | 93 | -0.01 | 6.78 |
| 21 M | allyl chloride | 1.180 | 1.174 | 0.5 | 91 | 0.00 | 6.98 |
| 22 M | trans-1,2-dichloroethene | 0.558 | 0.586 | -5.0 | 97 | 0.00 | 7.59 |
| 23 M | iodomethane | 0.944 | 0.946 | -0.2 | 93 | 0.00 | 6.79 |
| 24 M | carbon disulfide | 1.912 | 1.933 | -1.1 | 91 | 0.00 | 7.16 |
| 25 M | propionitrile | 0.004 | 0.005 | -25.0# | 82 | -0.01 | 6.78 |
| 26 M | vinyl acetate | 0.813 | 0.848 | -4.3 | 96 | 0.00 | 7.96 |
| 27 M | chloroprene | 0.903 | 0.949 | -5.1 | 94 | 0.00 | 8.22 |
| 28 M | di-isopropyl ether | 2.104 | 2.193 | -4.2 | 95 | 0.00 | 8.26 |
| 29 M | methacrylonitrile | 0.216 | 0.219 | -1.4 | 100 | 0.00 | 8.39 |
| ----- True | | Calc. | % Drift | ----- | | | |
| 30 M | 2-butanone | 50.000 | 61.379 | -22.8# | 98 | -0.01 | 8.30 |
| ----- AvgRF | | CCRF | % Dev | ----- | | | |
| 31 M | Hexane | 1.163 | 1.173 | -0.9 | 91 | -0.01 | 8.24 |
| 32 P | 1,1-dichloroethane | 1.062 | 1.077 | -1.4 | 92 | 0.00 | 7.85 |
| 33 M | tert-butyl ethyl ether | 1.198 | 1.270 | -6.0 | 96 | 0.00 | 8.67 |

Initial Calibration Verification

Job Number: MC5183

Sample: MSE2266-ICV2266

Account: GGSVAVB Global General Services

Lab FileID: E56206.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|---------|---------|---------|-----|-------|-------|
| 34 M | isobutyl alcohol | 250.000 | 238.409 | 4.6 | 82 | 0.00 | 8.67 |
| | | AvgRF | CCRF | % Dev | | | |
| 35 M | 2,2-dichloropropane | 0.706 | 0.719 | -1.8 | 92 | 0.00 | 8.72 |
| 36 M | cis-1,2-dichloroethene | 0.572 | 0.580 | -1.4 | 93 | 0.00 | 8.43 |
| 37 M | bromochloromethane | 0.229 | 0.227 | 0.9 | 90 | 0.00 | 8.60 |
| 38 c | chloroform | 0.939 | 0.959 | -2.1 | 92 | 0.00 | 8.64 |
| 39 S | dibromofluoromethane (s) | 0.594 | 0.532 | 10.4 | 91 | 0.00 | 8.76 |
| | | True | Calc. | % Drift | | | |
| 40 M | Tetrahydrofuran | 50.000 | 53.161 | -6.3 | 108 | 0.00 | 8.99 |
| | | AvgRF | CCRF | % Dev | | | |
| 41 M | 1,1,1-trichloroethane | 0.789 | 0.798 | -1.1 | 92 | 0.00 | 9.40 |
| 42 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 10.01 |
| 43 M | Cyclohexane | 0.680 | 0.719 | -5.7 | 95 | 0.00 | 9.68 |
| 44 M | carbon tetrachloride | 0.438 | 0.437 | 0.2 | 92 | 0.00 | 9.76 |
| 45 M | 1,1-dichloropropene | 0.482 | 0.486 | -0.8 | 93 | 0.00 | 9.58 |
| 46 M | benzene | 1.379 | 1.392 | -0.9 | 93 | -0.01 | 9.80 |
| 47 M | 1,2-dichloroethane | 0.337 | 0.330 | 2.1 | 90 | 0.00 | 9.30 |
| 48 M | tert-amyl methyl ether | 0.532 | 0.587 | -10.3 | 102 | 0.00 | 9.92 |
| 49 M | heptane | 0.608 | 0.631 | -3.8 | 92 | 0.00 | 10.29 |
| 50 M | trichloroethene | 0.358 | 0.343 | 4.2 | 93 | 0.00 | 10.43 |
| 51 c | 1,2-dichloropropane | 0.352 | 0.355 | -0.9 | 94 | 0.00 | 10.40 |
| 52 M | dibromomethane | 0.149 | 0.146 | 2.0 | 90 | 0.00 | 10.37 |
| 53 M | bromodichloromethane | 0.394 | 0.390 | 1.0 | 90 | 0.00 | 10.48 |
| 54 M | Methylcyclohexane | 0.566 | 0.595 | -5.1 | 95 | 0.00 | 10.94 |
| 55 M | 2-chloroethyl vinyl ether | 0.024 | 0.027 | -12.5 | 106 | 0.00 | 10.88 |
| | | True | Calc. | % Drift | | | |
| 56 M | methyl methacrylate | 50.000 | 48.672 | 2.7 | 94 | 0.00 | 10.59 |
| | | AvgRF | CCRF | % Dev | | | |
| 57 M | 1,4-dioxane | 0.001 | 0.002 | -100.0# | 101 | 0.00 | 10.61 |
| 58 M | cis-1,3-dichloropropene | 0.441 | 0.457 | -3.6 | 96 | 0.00 | 11.10 |
| 59 S | toluene-d8 (s) | 1.141 | 1.079 | 5.4 | 94 | 0.00 | 11.80 |
| | | True | Calc. | % Drift | | | |
| 60 M | 4-methyl-2-pentanone | 50.000 | 51.880 | -3.8 | 97 | 0.00 | 11.21 |
| | | AvgRF | CCRF | % Dev | | | |
| 61 c | toluene | 0.792 | 0.838 | -5.8 | 95 | 0.00 | 11.88 |
| 62 M | trans-1,3-dichloropropene | 0.292 | 0.320 | -9.6 | 98 | 0.00 | 11.53 |
| 63 M | 1,1,2-trichloroethane | 0.160 | 0.155 | 3.1 | 92 | 0.00 | 11.70 |
| | | True | Calc. | % Drift | | | |
| 64 M | ethyl methacrylate | 50.000 | 51.654 | -3.3 | 96 | 0.00 | 11.91 |
| | | AvgRF | CCRF | % Dev | | | |
| 65 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 | 13.27 |
| 66 M | tetrachloroethene | 0.732 | 0.746 | -1.9 | 92 | 0.00 | 12.62 |
| 67 M | 1,3-dichloropropane | 0.668 | 0.672 | -0.6 | 92 | 0.00 | 11.93 |
| 68 M | dibromochloromethane | 0.462 | 0.470 | -1.7 | 92 | 0.00 | 12.23 |
| 69 M | 1,2-dibromoethane | 0.373 | 0.375 | -0.5 | 93 | 0.00 | 12.48 |
| | | True | Calc. | % Drift | | | |

5.8.2
5

Initial Calibration Verification

Job Number: MC5183

Sample: MSE2266-ICV2266

Account: GGSVAVB Global General Services

Lab FileID: E56206.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample ID | Compound | 50.000 | 48.912 | 2.2 | 90 | -0.01 | 12.09 |
|-----------|---------------------------|--------|---------|---------|-----|-------|-------|
| 70 M | 2-hexanone | | | | | | |
| | | AvgRF | CCRF | % Dev | | | |
| 71 P | chlorobenzene | 1.738 | 1.785 | -2.7 | 94 | 0.00 | 13.30 |
| 72 M | 1,1,1,2-tetrachloroethane | 0.574 | 0.586 | -2.1 | 91 | 0.00 | 13.22 |
| 73 c | ethylbenzene | 2.929 | 3.157 | -7.8 | 93 | 0.00 | 13.47 |
| 74 M | m,p-xylene | 1.110 | 1.223 | -10.2 | 93 | 0.00 | 13.66 |
| 75 M | o-xylene | 1.075 | 1.166 | -8.5 | 95 | 0.00 | 14.07 |
| 76 M | styrene | 1.580 | 1.743 | -10.3 | 95 | 0.00 | 14.00 |
| 77 P | bromoform | 0.239 | 0.247 | -3.3 | 96 | 0.00 | 13.83 |
| | | True | Calc. | % Drift | | | |
| 78 M | trans-1,4-dichloro-2-bute | 50.000 | 52.709 | -5.4 | 94 | 0.00 | 14.22 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 15.83 |
| 80 M | isopropylbenzene | 2.907 | 3.232 | -11.2 | 95 | 0.00 | 14.43 |
| 81 S | bromofluorobenzene (s) | 1.029 | 0.980 | 4.8 | 96 | 0.00 | 14.49 |
| 82 M | bromobenzene | 0.789 | 0.807 | -2.3 | 93 | 0.00 | 14.72 |
| 83 P | 1,1,2,2-tetrachloroethane | 0.467 | 0.480 | -2.8 | 94 | 0.00 | 14.08 |
| 84 M | 1,2,3-trichloropropane | 0.479 | 0.507 | -5.8 | 102 | 0.00 | 14.22 |
| 85 M | n-propylbenzene | 3.873 | 4.329 | -11.8 | 96 | 0.00 | 14.88 |
| 86 M | 2-chlorotoluene | 2.429 | 2.623 | -8.0 | 98 | 0.00 | 15.00 |
| 87 M | 4-chlorotoluene | 2.485 | 2.693 | -8.4 | 98 | 0.00 | 15.08 |
| 88 M | 1,3,5-trimethylbenzene | 2.722 | 3.013 | -10.7 | 95 | 0.00 | 15.15 |
| 89 M | tert-butylbenzene | 1.443 | 1.585 | -9.8 | 95 | 0.00 | 15.45 |
| 90 M | 1,2,4-trimethylbenzene | 2.601 | 2.927 | -12.5 | 96 | 0.00 | 15.56 |
| 91 M | sec-butylbenzene | 3.200 | 3.686 | -15.2 | 96 | 0.00 | 15.68 |
| 92 M | 1,3-dichlorobenzene | 1.469 | 1.528 | -4.0 | 95 | 0.00 | 15.78 |
| 93 M | p-isopropyltoluene | 2.553 | 2.881 | -12.8 | 98 | 0.00 | 15.85 |
| 94 M | 1,4-dichlorobenzene | 1.552 | 1.580 | -1.8 | 92 | 0.00 | 15.85 |
| 95 M | 1,2-dichlorobenzene | 1.210 | 1.272 | -5.1 | 98 | 0.00 | 16.22 |
| 96 M | n-butylbenzene | 2.450 | 2.988 | -22.0# | 104 | 0.00 | 16.27 |
| | | True | Calc. | % Drift | | | |
| 97 M | 1,2-dibromo-3-chloropropa | 50.000 | 49.268 | 1.5 | 92 | 0.00 | 16.70 |
| | | AvgRF | CCRF | % Dev | | | |
| 98 M | 1,3,5-trichlorobenzene | 0.888 | 1.112 | -25.2# | 115 | 0.00 | 17.51 |
| 99 M | 1,2,4-trichlorobenzene | 0.581 | 0.782 | -34.6# | 123 | 0.00 | 18.09 |
| | | True | Calc. | % Drift | | | |
| 100 M | hexachlorobutadiene | 50.000 | 82.534 | -65.1# | 133 | 0.00 | 18.40 |
| 101 M | naphthalene | 50.000 | 53.978 | -8.0 | 120 | 0.00 | 18.38 |
| | | AvgRF | CCRF | % Dev | | | |
| 102 M | 1,2,3-trichlorobenzene | 0.442 | 0.705 | -59.5# | 151 | 0.00 | 18.60 |
| | | True | Calc. | % Drift | | | |
| 103 | 2-methylnaphthalene | 25.000 | 106.648 | -326.6# | 472 | -0.01 | 19.90 |

(12.2 %) 12 of 98 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 E56201.D E102011M.M Fri Oct 21 10:26:14 2011 LPT1

5.8.2
 5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSE2276-CC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E56600.D Vial: 2
 Acq On : 4 Nov 2011 10:22 am Operator: garyk
 Sample : cc2266-50 Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|---------|---------|-------|----------|------|
| 1 I | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 85 | -0.03 | 6.62 |
| 2 M | tertiary butyl alcohol | 1.392 | 1.534 | -10.2 | 92 | -0.03 | 6.72 |
| 3 T | Ethanol | 0.226 | 0.265 | -17.3 | 97 | -0.02 | 5.45 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 82 | -0.03 | 9.10 |
| 5 M | dichlorodifluoromethane | 0.637 | 0.606 | 4.9 | 74 | -0.03 | 4.24 |
| 6 P | chloromethane | 0.795 | 0.842 | -5.9 | 83 | -0.02 | 4.50 |
| 7 c | vinyl chloride | 0.648 | 0.691 | -6.6 | 89 | -0.02 | 4.75 |
| 8 M | bromomethane | 0.427 | 0.421 | 1.4 | 81 | -0.03 | 5.27 |
| 9 M | chloroethane | 0.390 | 0.392 | -0.5 | 79 | -0.03 | 5.44 |
| 10 M | ethyl ether | 0.329 | 0.337 | -2.4 | 82 | -0.03 | 6.35 |
| 11 M | acetonitrile | 0.095 | 0.091 | 4.2 | 87 | -0.02 | 6.00 |
| 12 M | trichlorofluoromethane | 0.840 | 0.829 | 1.3 | 76 | -0.03 | 6.10 |
| 13 M | freon-113 | 0.550 | 0.541 | 1.6 | 75 | -0.03 | 6.90 |
| 14 M | acrolein | 0.013 | 0.009 | 30.8# | 56 | -0.03 | 6.09 |
| 15 c | 1,1-dichloroethene | 0.496 | 0.470 | 5.2 | 78 | -0.03 | 6.70 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 100.177 | -100.4# | 140 | -0.03 | 6.24 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.405 | 0.435 | -7.4 | 86 | -0.03 | 6.89 |
| 18 M | methylene chloride | 0.545 | 0.560 | -2.8 | 82 | -0.03 | 6.85 |
| 19 M | methyl tert butyl ether | 0.809 | 0.872 | -7.8 | 83 | -0.02 | 7.67 |
| 20 M | acrylonitrile | 0.020 | 0.020 | 0.0 | 82 | -0.03 | 6.76 |
| 21 M | allyl chloride | 1.180 | 1.206 | -2.2 | 80 | -0.03 | 6.95 |
| 22 M | trans-1,2-dichloroethene | 0.558 | 0.555 | 0.5 | 78 | -0.02 | 7.57 |
| 23 M | iodomethane | 0.944 | 0.897 | 5.0 | 75 | -0.03 | 6.76 |
| 24 M | carbon disulfide | 1.912 | 1.742 | 8.9 | 69 | -0.02 | 7.14 |
| 25 M | propionitrile | 0.004 | 0.004 | 0.0 | 59 | -0.02 | 6.77 |
| 26 M | vinyl acetate | 0.813 | 0.835 | -2.7 | 81 | -0.02 | 7.94 |
| 27 M | chloroprene | 0.903 | 0.933 | -3.3 | 78 | -0.02 | 8.20 |
| 28 M | di-isopropyl ether | 2.104 | 2.308 | -9.7 | 85 | -0.02 | 8.24 |
| 29 M | methacrylonitrile | 0.216 | 0.220 | -1.9 | 85 | -0.03 | 8.36 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 30 M | 2-butanone | 50.000 | 81.055 | -62.1# | 109 | -0.04 | 8.27 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 31 M | Hexane | 1.163 | 1.139 | 2.1 | 75 | -0.03 | 8.22 |
| 32 P | 1,1-dichloroethane | 1.062 | 1.094 | -3.0 | 79 | -0.03 | 7.82 |
| 33 M | tert-butyl ethyl ether | 1.198 | 1.266 | -5.7 | 81 | -0.03 | 8.64 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSE2276-CC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|------|---------------------------|---------|---------|---------|----|-------|-------|
| 34 M | isobutyl alcohol | 250.000 | 312.871 | -25.1# | 90 | -0.03 | 8.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 35 M | 2,2-dichloropropane | 0.706 | 0.769 | -8.9 | 83 | -0.03 | 8.69 |
| 36 M | cis-1,2-dichloroethene | 0.572 | 0.593 | -3.7 | 81 | -0.03 | 8.40 |
| 37 M | bromochloromethane | 0.229 | 0.224 | 2.2 | 76 | -0.03 | 8.57 |
| 38 c | chloroform | 0.939 | 0.995 | -6.0 | 81 | -0.03 | 8.61 |
| 39 S | dibromofluoromethane (s) | 0.594 | 0.576 | 3.0 | 84 | -0.03 | 8.73 |
| | | True | Calc. | % Drift | | | |
| 40 M | Tetrahydrofuran | 50.000 | 45.528 | 8.9 | 79 | -0.03 | 8.96 |
| | | AvgRF | CCRF | % Dev | | | |
| 41 M | 1,1,1-trichloroethane | 0.789 | 0.816 | -3.4 | 80 | -0.02 | 9.37 |
| 42 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 85 | -0.03 | 9.98 |
| 43 M | Cyclohexane | 0.680 | 0.634 | 6.8 | 72 | -0.03 | 9.65 |
| 44 M | carbon tetrachloride | 0.438 | 0.437 | 0.2 | 79 | -0.03 | 9.73 |
| 45 M | 1,1-dichloropropene | 0.482 | 0.483 | -0.2 | 80 | -0.03 | 9.55 |
| 46 M | benzene | 1.379 | 1.361 | 1.3 | 79 | -0.03 | 9.78 |
| 47 M | 1,2-dichloroethane | 0.337 | 0.358 | -6.2 | 85 | -0.03 | 9.27 |
| 48 M | tert-amyl methyl ether | 0.532 | 0.544 | -2.3 | 82 | -0.03 | 9.89 |
| 49 M | heptane | 0.608 | 0.562 | 7.6 | 71 | -0.03 | 10.26 |
| 50 M | trichloroethene | 0.358 | 0.341 | 4.7 | 79 | -0.03 | 10.40 |
| 51 c | 1,2-dichloropropane | 0.352 | 0.354 | -0.6 | 81 | -0.03 | 10.37 |
| 52 M | dibromomethane | 0.149 | 0.147 | 1.3 | 78 | -0.03 | 10.34 |
| 53 M | bromodichloromethane | 0.394 | 0.393 | 0.3 | 78 | -0.03 | 10.45 |
| 54 M | Methylcyclohexane | 0.566 | 0.508 | 10.2 | 70 | -0.03 | 10.91 |
| 55 M | 2-chloroethyl vinyl ether | 0.024 | 0.026 | -8.3 | 90 | -0.04 | 10.84 |
| | | True | Calc. | % Drift | | | |
| 56 M | methyl methacrylate | 50.000 | 49.668 | 0.7 | 83 | -0.02 | 10.57 |
| | | AvgRF | CCRF | % Dev | | | |
| 57 M | 1,4-dioxane | 0.001 | 0.002 | -100.0# | 81 | 0.00 | 10.59 |
| 58 M | cis-1,3-dichloropropene | 0.441 | 0.451 | -2.3 | 82 | -0.03 | 11.07 |
| 59 S | toluene-d8 (s) | 1.141 | 1.069 | 6.3 | 81 | -0.02 | 11.78 |
| | | True | Calc. | % Drift | | | |
| 60 M | 4-methyl-2-pentanone | 50.000 | 51.460 | -2.9 | 83 | -0.03 | 11.18 |
| | | AvgRF | CCRF | % Dev | | | |
| 61 c | toluene | 0.792 | 0.783 | 1.1 | 77 | -0.03 | 11.85 |
| 62 M | trans-1,3-dichloropropene | 0.292 | 0.312 | -6.8 | 83 | -0.03 | 11.50 |
| 63 M | 1,1,2-trichloroethane | 0.160 | 0.155 | 3.1 | 79 | -0.02 | 11.67 |
| | | True | Calc. | % Drift | | | |
| 64 M | ethyl methacrylate | 50.000 | 49.623 | 0.8 | 79 | -0.02 | 11.88 |
| | | AvgRF | CCRF | % Dev | | | |
| 65 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 83 | -0.02 | 13.24 |
| 66 M | tetrachloroethene | 0.732 | 0.661 | 9.7 | 71 | -0.03 | 12.59 |
| 67 M | 1,3-dichloropropane | 0.668 | 0.677 | -1.3 | 81 | -0.03 | 11.90 |
| 68 M | dibromochloromethane | 0.462 | 0.478 | -3.5 | 82 | -0.03 | 12.20 |
| 69 M | 1,2-dibromoethane | 0.373 | 0.372 | 0.3 | 80 | -0.03 | 12.45 |
| | | True | Calc. | % Drift | | | |

5.8.3
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSE2276-CC2266
Account: GGSVAVB Global General Services **Lab FileID:** E56600.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| Sample ID | Compound | True | Calc. | % Drift | Count | Offset | Value |
|-----------|---------------------------|--------|--------|---------|-------|--------|-------|
| 70 M | 2-hexanone | 50.000 | 67.708 | -35.4# | 116 | -0.04 | 12.06 |
| | | AvgRF | CCRF | % Dev | | | |
| 71 P | chlorobenzene | 1.738 | 1.679 | 3.4 | 77 | -0.03 | 13.27 |
| 72 M | 1,1,1,2-tetrachloroethane | 0.574 | 0.590 | -2.8 | 80 | -0.03 | 13.19 |
| 73 c | ethylbenzene | 2.929 | 2.962 | -1.1 | 76 | -0.02 | 13.45 |
| 74 M | m,p-xylene | 1.110 | 1.150 | -3.6 | 76 | -0.03 | 13.63 |
| 75 M | o-xylene | 1.075 | 1.100 | -2.3 | 78 | -0.03 | 14.04 |
| 76 M | styrene | 1.580 | 1.629 | -3.1 | 77 | -0.02 | 13.97 |
| 77 P | bromoform | 0.239 | 0.250 | -4.6 | 85 | -0.03 | 13.80 |
| | | True | Calc. | % Drift | | | |
| 78 M | trans-1,4-dichloro-2-bute | 50.000 | 52.283 | -4.6 | 82 | -0.03 | 14.19 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | -0.03 | 15.79 |
| 80 M | isopropylbenzene | 2.907 | 3.100 | -6.6 | 76 | -0.03 | 14.40 |
| 81 S | bromofluorobenzene (s) | 1.029 | 1.065 | -3.5 | 87 | -0.03 | 14.46 |
| 82 M | bromobenzene | 0.789 | 0.788 | 0.1 | 76 | -0.02 | 14.70 |
| 83 P | 1,1,2,2-tetrachloroethane | 0.467 | 0.521 | -11.6 | 86 | -0.03 | 14.05 |
| 84 M | 1,2,3-trichloropropane | 0.479 | 0.531 | -10.9 | 90 | -0.03 | 14.19 |
| 85 M | n-propylbenzene | 3.873 | 4.195 | -8.3 | 78 | -0.03 | 14.85 |
| 86 M | 2-chlorotoluene | 2.429 | 2.714 | -11.7 | 85 | -0.03 | 14.97 |
| 87 M | 4-chlorotoluene | 2.485 | 2.669 | -7.4 | 81 | -0.03 | 15.04 |
| 88 M | 1,3,5-trimethylbenzene | 2.722 | 2.877 | -5.7 | 76 | -0.02 | 15.13 |
| 89 M | tert-butylbenzene | 1.443 | 1.634 | -13.2 | 82 | -0.02 | 15.43 |
| 90 M | 1,2,4-trimethylbenzene | 2.601 | 2.910 | -11.9 | 80 | -0.03 | 15.53 |
| 91 M | sec-butylbenzene | 3.200 | 3.585 | -12.0 | 78 | -0.03 | 15.65 |
| 92 M | 1,3-dichlorobenzene | 1.469 | 1.504 | -2.4 | 78 | -0.02 | 15.76 |
| 93 M | p-isopropyltoluene | 2.553 | 2.785 | -9.1 | 79 | -0.03 | 15.82 |
| 94 M | 1,4-dichlorobenzene | 1.552 | 1.598 | -3.0 | 78 | -0.03 | 15.82 |
| 95 M | 1,2-dichlorobenzene | 1.210 | 1.214 | -0.3 | 78 | -0.03 | 16.19 |
| 96 M | n-butylbenzene | 2.450 | 2.739 | -11.8 | 80 | -0.02 | 16.24 |
| | | True | Calc. | % Drift | | | |
| 97 M | 1,2-dibromo-3-chloropropa | 50.000 | 56.145 | -12.3 | 88 | -0.02 | 16.67 |
| | | AvgRF | CCRF | % Dev | | | |
| 98 M | 1,3,5-trichlorobenzene | 0.888 | 0.914 | -2.9 | 79 | -0.02 | 17.49 |
| 99 M | 1,2,4-trichlorobenzene | 0.581 | 0.633 | -9.0 | 84 | -0.03 | 18.06 |
| | | True | Calc. | % Drift | | | |
| 100 M | hexachlorobutadiene | 50.000 | 59.911 | -19.8 | 84 | -0.02 | 18.37 |
| 101 M | naphthalene | 50.000 | 52.115 | -4.2 | 96 | -0.03 | 18.35 |
| | | AvgRF | CCRF | % Dev | | | |
| 102 M | 1,2,3-trichlorobenzene | 0.442 | 0.482 | -9.0 | 86 | -0.03 | 18.57 |
| | | True | Calc. | % Drift | | | |
| 103 | 2-methylnaphthalene | 25.000 | 33.049 | -32.2# | 119 | -0.04 | 19.87 |

(7.1 %) 7 of 98 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 E56201.D E102011M.M Fri Nov 04 11:10:35 2011 LPT1

5.8.3
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSR899-ICC899
Account: GGSVAVB Global General Services **Lab FileID:** R24262.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Response Factor Report MSR

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration

Calibration Files

1ppb=R24258.D 5 =R24260.D 50 =R24262.D 100 =R24263.D
200 =R24264.D 400 =R24265.D 0.5 =R24257.D 25 =R24261.D
0.25=R24256.D = = =

| Compound | 1ppb | 5 | 50 | 100 | 200 | 400 | 0.5 | 25 | 0.25 | Avg | %RSD |
|--|-------|-------|-------|-------|-------|-------|-------|----|------|-------|-------|
| 1) tert butyl alcohol-d9 -----ISTD----- | | | | | | | | | | | |
| 2) tertiary butyl alcohol | 1.399 | 1.640 | 1.649 | 1.736 | 1.709 | 1.833 | 1.584 | | | 1.650 | 8.27 |
| 3) Ethanol | 0.226 | 0.239 | 0.292 | 0.292 | 0.282 | 0.290 | 0.274 | | | 0.271 | 10.03 |
| 4) I pentafluorobenzene -----ISTD----- | | | | | | | | | | | |
| 5) dichlorodifluoromethane | 0.718 | 0.881 | 0.814 | 0.811 | 0.747 | 0.712 | 0.844 | | | 0.789 | 8.23 |
| 6) chloromethane | 0.902 | 0.873 | 0.818 | 0.813 | 0.742 | 0.677 | 0.863 | | | 0.813 | 9.76 |
| 7) vinyl chloride | 0.963 | 1.031 | 0.858 | 0.820 | 0.683 | | 0.957 | | | 0.885 | 14.13 |
| 8) bromomethane | 0.790 | 0.776 | 0.714 | 0.714 | 0.682 | 0.691 | 0.730 | | | 0.728 | 5.61 |
| 9) chloroethane | 0.635 | 0.697 | 0.658 | 0.664 | 0.633 | 0.634 | 0.669 | | | 0.656 | 3.61 |
| 10) ethyl ether | 0.611 | 0.695 | 0.709 | 0.735 | 0.704 | 0.729 | 0.685 | | | 0.695 | 5.90 |
| 11) acetonitrile | 0.080 | 0.131 | 0.130 | 0.119 | 0.126 | | 0.125 | | | 0.119 | 16.38 |
| ----- Linear regression ----- Coefficient = 0.9988 | | | | | | | | | | | |
| Response Ratio = -0.00088 + 0.12497 *A | | | | | | | | | | | |
| 12) trichlorofluoromethane | 1.398 | 1.409 | 1.325 | 1.320 | 1.272 | 1.307 | 1.362 | | | 1.342 | 3.73 |
| 13) freon-113 | 0.782 | 0.871 | 0.831 | 0.828 | 0.801 | 0.826 | 0.830 | | | 0.824 | 3.38 |
| 14) acrolein | 0.010 | 0.015 | 0.015 | 0.015 | 0.014 | 0.015 | 0.015 | | | 0.014 | 13.17 |
| 15) 1,1-dichloroethene | 0.719 | 0.772 | 0.721 | 0.724 | 0.714 | 0.736 | 0.733 | | | 0.731 | 2.69 |
| 16) acetone | 0.278 | 0.353 | 0.321 | 0.325 | 0.306 | 0.272 | 0.332 | | | 0.313 | 9.35 |
| 17) Methyl Acetate | 0.783 | 0.986 | 0.995 | 1.008 | 0.955 | 0.954 | 0.971 | | | 0.950 | 8.04 |
| 18) methylene chloride | 1.066 | 1.016 | 0.945 | 0.951 | 0.912 | 0.933 | 0.956 | | | 0.968 | 5.52 |
| 19) methyl tert butyl ether | 1.947 | 2.186 | 2.330 | 2.400 | 2.353 | 2.486 | 2.204 | | | 2.272 | 7.82 |
| 20) acrylonitrile | 0.056 | 0.064 | 0.065 | 0.063 | 0.065 | | 0.062 | | | 0.063 | 5.39 |
| 21) allyl chloride | 1.035 | 1.186 | 1.240 | 1.271 | 1.240 | 1.222 | 1.234 | | | 1.204 | 6.54 |

5.84
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSR899-ICC899
Account: GGSVAVB Global General Services **Lab FileID:** R24262.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | |
|-------|--|----------------|-------|-------|-------|-------|-------|----------------------|-------|-------|
| 22) | trans-1,2-dichloroethene | 0.861 | 0.868 | 0.825 | 0.835 | 0.820 | 0.847 | 0.840 | 0.842 | 2.12 |
| 23) | iodomethane | 1.210 | 1.339 | 1.314 | 1.335 | 1.296 | 1.319 | 1.320 | 1.305 | 3.37 |
| 24) | carbon disulfide | 1.450 | 1.542 | 2.061 | 2.248 | 2.332 | 2.529 | 1.845 | 2.001 | 20.32 |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9983 | | |
| | Response Ratio = -0.33341 + 2.53261 *A | | | | | | | | | |
| 25) | propionitrile | 0.086 | 0.117 | 0.125 | 0.121 | 0.127 | | 0.112 | 0.115 | 12.99 |
| 26) | vinyl acetate | 1.223 | 1.464 | 1.549 | 1.586 | 1.726 | | 1.385 | 1.489 | 11.68 |
| 27) | chloroprene | 1.003 | 1.164 | 1.248 | 1.274 | 1.250 | 1.217 | 1.236 | 1.199 | 7.77 |
| 28) | di-isopropyl ether | 2.411 | 2.867 | 2.935 | 2.976 | 2.792 | 2.561 | 2.906 | 2.778 | 7.64 |
| 29) | methacrylonitrile | 0.471 | 0.514 | 0.510 | 0.494 | 0.504 | | 0.498 | 0.498 | 3.08 |
| 30) | 2-butanone | 0.084 | 0.119 | 0.124 | 0.120 | 0.108 | | 0.107 | 0.110 | 13.30 |
| 31) | Hexane | 1.218 | 1.293 | 1.258 | 1.253 | 1.158 | 1.057 | 1.285 | 1.217 | 6.91 |
| 32) | 1,1-dichloroethane | 1.575 | 1.650 | 1.576 | 1.592 | 1.543 | 1.568 | 1.437 | 1.587 | 3.86 |
| 33) | tert-butyl ethyl ether | 2.115 | 2.418 | 2.643 | 2.767 | 2.691 | 2.643 | 2.514 | 2.542 | 8.68 |
| 34) | isobutyl alcohol | 0.062 | 0.088 | 0.088 | 0.089 | 0.083 | 0.082 | 0.084 | 0.082 | 11.35 |
| 35) | 2,2-dichloropropane | 0.826 | 0.925 | 1.024 | 1.071 | 1.062 | 1.087 | 0.991 | 0.998 | 9.43 |
| 36) | cis-1,2-dichloroethene | 0.891 | 0.970 | 0.947 | 0.968 | 0.939 | 0.958 | 0.942 | 0.945 | 2.83 |
| 37) | ethyl acetate | 0.643 | 0.713 | 0.749 | 0.737 | 0.762 | | 0.680 | 0.714 | 6.32 |
| 38) | bromochloromethane | 0.426 | 0.446 | 0.452 | 0.460 | 0.446 | 0.457 | 0.444 | 0.447 | 2.51 |
| 39) | chloroform | 1.464 | 1.567 | 1.541 | 1.580 | 1.531 | 1.487 | 1.526 | 1.528 | 2.70 |
| 40) | dibromofluoromethane (s) | 0.799 | 0.841 | 0.865 | 0.869 | 0.859 | | 0.888 | 0.853 | 3.61 |
| 41) | Tetrahydrofuran | 0.176 | 0.212 | 0.226 | 0.233 | 0.226 | 0.239 | 0.218 | 0.218 | 9.53 |
| 42) | 1,1,1-trichloroethane | 1.037 | 1.185 | 1.227 | 1.280 | 1.269 | 1.328 | 0.935 | 1.215 | 0.564 |
| | ----- Linear regression ----- | | | | | | | Coefficient = 0.9995 | | |
| | Response Ratio = -0.04644 + 1.32153 *A | | | | | | | | | |
| 43) I | 1,4-difluorobenzene | -----ISTD----- | | | | | | | | |
| 44) | Cyclohexane | 0.918 | 0.964 | 0.962 | 0.969 | 0.950 | 0.961 | 0.962 | 0.955 | 1.84 |
| 45) | carbon tetrachloride | 0.497 | 0.603 | 0.663 | 0.693 | 0.696 | 0.713 | 0.641 | 0.644 | 11.60 |
| 46) | 1,1-dichloropropene | 0.662 | 0.724 | 0.711 | 0.725 | 0.721 | 0.735 | 0.717 | 0.714 | 3.36 |
| 47) | benzene | 2.125 | 2.229 | 2.180 | 2.222 | 2.183 | 2.204 | 2.098 | 2.177 | 2.09 |
| 48) | 1,2-dichloroethane | 0.664 | 0.731 | 0.693 | 0.706 | 0.679 | 0.689 | 0.697 | 0.694 | 3.06 |

5.8.4
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSR899-ICC899
Account: GGSVAVB Global General Services **Lab FileID:** R24262.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | |
|-----|---------------------------|---|----------------------|-------|-------|
| 49) | tert-amyl methyl ether | 1.144 1.284 1.423 1.506 1.503 1.567 | 1.323 | 1.393 | 10.76 |
| 50) | heptane | 0.648 0.724 0.743 0.745 0.718 0.707 | 0.744 | 0.719 | 4.77 |
| 51) | trichloroethene | 0.525 0.572 0.536 0.556 0.547 0.559 | 0.539 | 0.548 | 2.94 |
| 52) | 1,2-dichloropropane | 0.472 0.584 0.565 0.580 0.569 0.568 | 0.565 | 0.558 | 6.88 |
| 53) | dibromomethane | 0.294 0.335 0.332 0.339 0.329 0.333 | 0.321 | 0.326 | 4.70 |
| 54) | bromodichloromethane | 0.469 0.571 0.664 0.699 0.699 0.732 | 0.622 | 0.637 | 14.38 |
| 55) | Methylcyclohexane | 0.790 0.935 0.949 0.973 0.961 0.977 | 0.947 | 0.933 | 6.94 |
| 56) | 2-chloroethyl vinyl ether | 0.138 0.286 0.326 0.349 0.342 0.364 | 0.302 | 0.301 | 25.56 |
| | | ----- Linear regression ----- | Coefficient = 0.9992 | | |
| | | Response Ratio = -0.02745 + 0.36356 *A | | | |
| 57) | methyl methacrylate | 0.233 0.322 0.349 0.346 0.374 | 0.299 | 0.320 | 15.56 |
| | | ----- Linear regression ----- | Coefficient = 0.9988 | | |
| | | Response Ratio = -0.04862 + 0.37570 *A | | | |
| 58) | 1,4-dioxane | 0.005 0.005 0.005 0.006 | 0.004 | 0.005 | 16.58 |
| | | ----- Linear regression ----- | Coefficient = 0.9994 | | |
| | | Response Ratio = -0.00742 + 0.00588 *A | | | |
| 59) | cis-1,3-dichloropropene | 0.492 0.631 0.770 0.831 0.834 0.881 0.451 0.717 | | 0.701 | 23.07 |
| | | ----- Linear regression ----- | Coefficient = 0.9993 | | |
| | | Response Ratio = -0.06098 + 0.87890 *A | | | |
| 60) | toluene-d8 (s) | 1.885 1.875 1.960 1.979 1.932 | 1.990 | 1.937 | 2.48 |
| 61) | 4-methyl-2-pentanone | 0.346 0.447 0.476 0.462 0.484 | 0.416 | 0.438 | 11.72 |
| 62) | toluene | 1.048 1.253 1.304 1.365 1.334 1.260 | 1.284 | 1.264 | 8.16 |
| 63) | trans-1,3-dichloropropene | 0.337 0.454 0.614 0.677 0.685 0.735 0.220 0.548 | | 0.534 | 34.24 |
| | | ----- Linear regression ----- | Coefficient = 0.9987 | | |
| | | Response Ratio = -0.06867 + 0.73372 *A | | | |
| 64) | 1,1,2-trichloroethane | 0.303 0.381 0.399 0.408 0.402 0.422 | 0.386 | 0.386 | 10.09 |
| 65) | ethyl methacrylate | 0.172 0.194 0.199 0.205 0.204 0.207 | 0.205 | 0.198 | 6.25 |
| 66) | I chlorobenzene-d5 | -----ISTD----- | | | |
| 67) | tetrachloroethene | 0.949 1.001 0.978 0.995 0.993 0.993 0.785 0.971 0.101 | | 0.863 | 34.02 |
| | | ----- Linear regression ----- | Coefficient = 1.0000 | | |
| | | Response Ratio = -0.00461 + 0.99402 *A | | | |
| 68) | 1,3-dichloropropane | 1.437 1.538 1.555 1.574 1.511 1.470 | 1.508 | 1.513 | 3.17 |
| 69) | dibromochloromethane | 0.538 0.661 0.852 0.926 0.942 0.965 | 0.761 | 0.806 | 19.97 |

5.8.4
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSR899-ICC899
Account: GGSVAVB Global General Services **Lab FileID:** R24262.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

----- Linear regression ----- Coefficient = 0.9998
 Response Ratio = -0.07193 + 0.97028 *A

| | | | | | | | | | | |
|-----|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 70) | 1,2-dibromoethane | 0.696 | 0.823 | 0.836 | 0.864 | 0.847 | 0.860 | 0.805 | 0.819 | 7.05 |
| 71) | 2-hexanone | 0.415 | 0.678 | 0.703 | 0.658 | 0.603 | 0.611 | 0.611 | 0.612 | 16.93 |

----- Linear regression ----- Coefficient = 0.9966
 Response Ratio = 0.07452 + 0.60520 *A

| | | | | | | | | | | |
|-----|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72) | chlorobenzene | 2.688 | 2.786 | 2.670 | 2.734 | 2.698 | 2.639 | 2.601 | 2.688 | 2.26 |
| 73) | 1,1,1,2-tetrachloroethane | 0.696 | 0.817 | 0.921 | 0.967 | 0.972 | 0.974 | 0.854 | 0.886 | 11.76 |
| 74) | ethylbenzene | 4.035 | 4.487 | 4.626 | 4.747 | 4.719 | 4.524 | 4.480 | 4.517 | 5.27 |
| 75) | m,p-xylene | 1.451 | 1.722 | 1.800 | 1.875 | 1.824 | 1.578 | 1.743 | 1.713 | 8.72 |
| 76) | o-xylene | 1.507 | 1.755 | 1.823 | 1.890 | 1.865 | 1.682 | 1.758 | 1.754 | 7.42 |
| 77) | styrene | 2.144 | 2.553 | 2.824 | 2.961 | 2.976 | 2.908 | 2.636 | 2.715 | 11.01 |
| 78) | bromoform | 0.258 | 0.373 | 0.530 | 0.601 | 0.630 | 0.666 | 0.458 | 0.502 | 29.58 |

----- Linear regression ----- Coefficient = 0.9990
 Response Ratio = -0.08731 + 0.66999 *A

| | | | | | | | | | | |
|-----|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 79) | trans-1,4-dichloro-2-butene | 0.216 | 0.298 | 0.322 | 0.319 | 0.323 | 0.270 | 0.270 | 0.291 | 14.38 |
|-----|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

| | | | | | | | | | | |
|-----|---------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 80) | I 1,4-dichlorobenzene-d | -----ISTD----- | | | | | | | | |
| 81) | isopropylbenzene | 3.445 | 4.012 | 4.309 | 4.356 | 4.323 | 4.232 | 4.243 | 4.131 | 7.82 |
| 82) | bromofluorobenzene (s) | 1.500 | 1.526 | 1.549 | 1.570 | 1.563 | 1.609 | 1.609 | 1.553 | 2.43 |
| 83) | bromobenzene | 1.065 | 1.189 | 1.195 | 1.215 | 1.204 | 1.235 | 1.174 | 1.182 | 4.68 |
| 84) | 1,1,2,2-tetrachloroethane | 1.137 | 1.278 | 1.315 | 1.325 | 1.275 | 1.174 | 1.277 | 1.254 | 5.68 |
| 85) | 1,2,3-trichloropropane | 0.988 | 1.197 | 1.350 | 1.394 | 1.385 | 1.428 | 1.272 | 1.288 | 11.97 |
| 86) | n-propylbenzene | 4.940 | 5.567 | 5.911 | 5.975 | 5.884 | 5.672 | 5.812 | 5.680 | 6.27 |
| 87) | 2-chlorotoluene | 3.303 | 3.594 | 3.607 | 3.648 | 3.595 | 3.574 | 3.564 | 3.555 | 3.22 |
| 88) | 4-chlorotoluene | 3.342 | 3.525 | 3.633 | 3.651 | 3.599 | 3.599 | 3.587 | 3.562 | 2.95 |
| 89) | 1,3,5-trimethylbenzene | 3.382 | 3.913 | 4.319 | 4.411 | 4.375 | 4.196 | 4.159 | 4.108 | 8.79 |
| 90) | tert-butylbenzene | 2.057 | 2.279 | 2.435 | 2.500 | 2.518 | 2.461 | 2.359 | 2.373 | 6.83 |
| 91) | 1,2,4-trimethylbenzene | 3.517 | 3.950 | 4.319 | 4.427 | 4.404 | 4.216 | 4.178 | 4.145 | 7.73 |
| 92) | sec-butylbenzene | 4.704 | 5.318 | 5.674 | 5.767 | 5.718 | 5.365 | 5.569 | 5.445 | 6.78 |
| 93) | 1,3-dichlorobenzene | 2.304 | 2.344 | 2.357 | 2.384 | 2.377 | 2.384 | 2.337 | 2.355 | 1.25 |
| 94) | p-isopropyltoluene | 3.707 | 4.169 | 4.541 | 4.669 | 4.538 | 3.821 | 4.364 | 4.258 | 8.79 |
| 95) | 1,4-dichlorobenzene | | | | | | | | | |

5.84
5

Initial Calibration Verification

Job Number: MC5183 Sample: MSR899-ICV899
 Account: GGSVAVB Global General Services Lab FileID: R24267.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\R24267.D Vial: 14
 Acq On : 4 Nov 2011 8:34 pm Operator: danat
 Sample : icv899-50 Inst : MSR
 Misc : MS24135,MSR899,5,,,,,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Nov 05 12:11:26 2011
 Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|--------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 6.66 |
| 2 | tertiary butyl alcohol | 1.650 | 1.647 | 0.2 | 108 | 0.00 | 6.74 |
| 3 T | Ethanol | 0.271 | 0.273 | -0.7 | 101 | 0.02 | 5.60 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.08 |
| 5 M | dichlorodifluoromethane | 0.789 | 0.779 | 1.3 | 104 | 0.00 | 4.41 |
| 6 P | chloromethane | 0.813 | 0.793 | 2.5 | 105 | 0.00 | 4.63 |
| 7 c | vinyl chloride | 0.885 | 0.859 | 2.9 | 109 | 0.00 | 4.89 |
| 8 M | bromomethane | 0.728 | 0.717 | 1.5 | 109 | 0.00 | 5.37 |
| 9 M | chloroethane | 0.656 | 0.666 | -1.5 | 110 | 0.00 | 5.53 |
| 10 M | ethyl ether | 0.695 | 0.706 | -1.6 | 108 | 0.00 | 6.39 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 48.103 | 3.8 | 99 | 0.02 | 6.19 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.342 | 1.349 | -0.5 | 110 | 0.00 | 6.18 |
| 13 M | freon-113 | 0.824 | 0.829 | -0.6 | 108 | 0.00 | 6.94 |
| 14 M | acrolein | 0.014 | 0.017 | -21.4# | 122 | 0.02 | 6.16 |
| 15 c | 1,1-dichloroethene | 0.731 | 0.739 | -1.1 | 111 | 0.00 | 6.74 |
| 16 M | acetone | 0.313 | 0.316 | -1.0 | 107 | 0.01 | 6.28 |
| 17 M | Methyl Acetate | 0.950 | 0.956 | -0.6 | 104 | 0.01 | 6.91 |
| 18 M | methylene chloride | 0.968 | 0.930 | 3.9 | 107 | 0.00 | 6.89 |
| 19 M | methyl tert butyl ether | 2.272 | 2.276 | -0.2 | 106 | 0.00 | 7.67 |
| 20 M | acrylonitrile | 0.063 | 0.061 | 3.2 | 104 | 0.01 | 6.79 |
| 21 M | allyl chloride | 1.204 | 1.265 | -5.1 | 111 | 0.00 | 6.98 |
| 22 M | trans-1,2-dichloroethene | 0.842 | 0.834 | 1.0 | 110 | 0.00 | 7.58 |
| 23 M | iodomethane | 1.305 | 1.326 | -1.6 | 109 | 0.00 | 6.80 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 24 M | carbon disulfide | 50.000 | 50.977 | -2.0 | 118 | 0.00 | 7.17 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 25 M | propionitrile | 0.115 | 0.111 | 3.5 | 102 | 0.01 | 7.83 |
| 26 M | vinyl acetate | 1.489 | 1.319 | 11.4 | 98 | 0.01 | 7.92 |
| 27 M | chloroprene | 1.199 | 1.271 | -6.0 | 110 | 0.00 | 8.19 |
| 28 M | di-isopropyl ether | 2.778 | 2.916 | -5.0 | 108 | 0.00 | 8.23 |
| 29 M | methacrylonitrile | 0.498 | 0.498 | 0.0 | 105 | 0.00 | 8.34 |
| 30 M | 2-butanone | 0.110 | 0.114 | -3.6 | 104 | 0.01 | 8.23 |
| 31 M | Hexane | 1.217 | 1.236 | -1.6 | 106 | 0.00 | 8.22 |
| 32 P | 1,1-dichloroethane | 1.566 | 1.588 | -1.4 | 109 | 0.00 | 7.83 |
| 33 M | tert-butyl ethyl ether | 2.542 | 2.637 | -3.7 | 108 | 0.00 | 8.62 |

Initial Calibration Verification

Job Number: MC5183 **Sample:** MSR899-ICV899
Account: GGSVAVB Global General Services **Lab FileID:** R24267.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|--------------------------------|---------------------------|---------|---------|---------|-----|------|-------|
| 34 M | isobutyl alcohol | 0.082 | 0.084 | -2.4 | 104 | 0.00 | 8.64 |
| 35 M | 2,2-dichloropropane | 0.998 | 0.970 | 2.8 | 103 | 0.00 | 8.69 |
| 36 M | cis-1,2-dichloroethene | 0.945 | 0.956 | -1.2 | 109 | 0.00 | 8.40 |
| 37 | ethyl acetate | 0.714 | 0.706 | 1.1 | 107 | 0.00 | 9.87 |
| 38 M | bromochloromethane | 0.447 | 0.444 | 0.7 | 107 | 0.00 | 8.56 |
| 39 c | chloroform | 1.528 | 1.550 | -1.4 | 109 | 0.00 | 8.60 |
| 40 S | dibromofluoromethane (s) | 0.853 | 0.830 | 2.7 | 107 | 0.00 | 8.72 |
| 41 M | Tetrahydrofuran | 0.218 | 0.216 | 0.9 | 104 | 0.00 | 8.93 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 49.518 | 1.0 | 112 | 0.00 | 9.35 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 107 | 0.00 | 9.95 |
| 44 M | Cyclohexane | 0.955 | 0.983 | -2.9 | 110 | 0.00 | 9.64 |
| 45 M | carbon tetrachloride | 0.644 | 0.689 | -7.0 | 112 | 0.00 | 9.72 |
| 46 M | 1,1-dichloropropene | 0.714 | 0.733 | -2.7 | 111 | 0.00 | 9.53 |
| 47 M | benzene | 2.177 | 2.212 | -1.6 | 109 | 0.00 | 9.75 |
| 48 M | 1,2-dichloroethane | 0.694 | 0.693 | 0.1 | 107 | 0.00 | 9.25 |
| 49 M | tert-amyl methyl ether | 1.393 | 1.442 | -3.5 | 109 | 0.00 | 9.87 |
| 50 M | heptane | 0.719 | 0.728 | -1.3 | 105 | 0.00 | 10.23 |
| 51 M | trichloroethene | 0.548 | 0.566 | -3.3 | 113 | 0.00 | 10.37 |
| 52 c | 1,2-dichloropropane | 0.558 | 0.573 | -2.7 | 109 | 0.00 | 10.34 |
| 53 M | dibromomethane | 0.326 | 0.330 | -1.2 | 107 | 0.00 | 10.31 |
| 54 M | bromodichloromethane | 0.637 | 0.672 | -5.5 | 109 | 0.00 | 10.42 |
| 55 M | Methylcyclohexane | 0.933 | 0.979 | -4.9 | 111 | 0.00 | 10.89 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 48.704 | 2.6 | 107 | 0.00 | 10.80 |
| 57 M | methyl methacrylate | 50.000 | 49.070 | 1.9 | 107 | 0.01 | 10.52 |
| 58 M | 1,4-dioxane | 250.000 | 238.788 | 4.5 | 96 | 0.00 | 10.53 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 47.738 | 4.5 | 108 | 0.00 | 11.04 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 60 S | toluene-d8 (s) | 1.937 | 1.925 | 0.6 | 110 | 0.00 | 11.75 |
| 61 M | 4-methyl-2-pentanone | 0.438 | 0.432 | 1.4 | 104 | 0.02 | 11.15 |
| 62 c | toluene | 1.264 | 1.335 | -5.6 | 110 | 0.00 | 11.82 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 47.313 | 5.4 | 109 | 0.00 | 11.46 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 64 M | 1,1,2-trichloroethane | 0.386 | 0.393 | -1.8 | 106 | 0.00 | 11.63 |
| 65 M | ethyl methacrylate | 0.198 | 0.204 | -3.0 | 110 | 0.00 | 10.89 |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 13.20 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 67 M | tetrachloroethene | 50.000 | 48.854 | 2.3 | 111 | 0.00 | 12.56 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 68 M | 1,3-dichloropropane | 1.513 | 1.471 | 2.8 | 107 | 0.00 | 11.87 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 69 M | dibromochloromethane | 50.000 | 46.778 | 6.4 | 111 | 0.00 | 12.16 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 70 M | 1,2-dibromoethane | 0.819 | 0.805 | 1.7 | 109 | 0.00 | 12.41 |

5.8.5
5

Initial Calibration Verification

Job Number: MC5183

Sample: MSR899-ICV899

Account: GGSVAVB Global General Services

Lab FileID: R24267.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 71 M | 2-hexanone | 50.000 | 44.820 | 10.4 | 103 | 0.03 | 12.02 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.688 | 2.590 | 3.6 | 109 | 0.00 | 13.24 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.886 | 0.897 | -1.2 | 110 | 0.00 | 13.16 |
| 74 c | ethylbenzene | 4.517 | 4.533 | -0.4 | 110 | 0.00 | 13.42 |
| 75 M | m,p-xylene | 1.713 | 1.759 | -2.7 | 110 | 0.00 | 13.60 |
| 76 M | o-xylene | 1.754 | 1.777 | -1.3 | 110 | 0.00 | 14.01 |
| 77 M | styrene | 2.715 | 2.747 | -1.2 | 110 | 0.00 | 13.94 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 45.763 | 8.5 | 112 | 0.00 | 13.77 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 M | trans-1,4-dichloro-2-bute | 0.291 | 0.275 | 5.5 | 104 | 0.00 | 14.16 |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 110 | 0.00 | 15.76 |
| 81 M | isopropylbenzene | 4.131 | 4.369 | -5.8 | 111 | 0.00 | 14.37 |
| 82 S | bromofluorobenzene (s) | 1.553 | 1.536 | 1.1 | 110 | 0.00 | 14.43 |
| 83 M | bromobenzene | 1.182 | 1.201 | -1.6 | 110 | 0.00 | 14.66 |
| 84 P | 1,1,2,2-tetrachloroethane | 1.254 | 1.238 | 1.3 | 103 | 0.00 | 14.01 |
| 85 M | 1,2,3-trichloropropane | 1.288 | 1.312 | -1.9 | 107 | 0.00 | 14.16 |
| 86 M | n-propylbenzene | 5.680 | 5.965 | -5.0 | 111 | 0.00 | 14.82 |
| 87 M | 2-chlorotoluene | 3.555 | 3.637 | -2.3 | 111 | 0.00 | 14.94 |
| 88 M | 4-chlorotoluene | 3.562 | 3.667 | -2.9 | 111 | 0.00 | 15.01 |
| 89 M | 1,3,5-trimethylbenzene | 4.108 | 4.340 | -5.6 | 110 | 0.00 | 15.10 |
| 90 M | tert-butylbenzene | 2.373 | 2.500 | -5.4 | 113 | 0.00 | 15.40 |
| 91 M | 1,2,4-trimethylbenzene | 4.145 | 4.356 | -5.1 | 111 | 0.00 | 15.50 |
| 92 M | sec-butylbenzene | 5.445 | 5.752 | -5.6 | 111 | 0.00 | 15.62 |
| 93 M | 1,3-dichlorobenzene | 2.355 | 2.365 | -0.4 | 110 | 0.00 | 15.73 |
| 94 M | p-isopropyltoluene | 4.258 | 4.551 | -6.9 | 110 | 0.00 | 15.79 |
| 95 M | 1,4-dichlorobenzene | 2.500 | 2.540 | -1.6 | 109 | 0.00 | 15.79 |
| 96 M | 1,2-dichlorobenzene | 2.335 | 2.353 | -0.8 | 110 | 0.00 | 16.16 |
| 97 M | n-butylbenzene | 4.374 | 4.598 | -5.1 | 110 | 0.00 | 16.21 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 48.649 | 2.7 | 105 | 0.00 | 16.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.903 | 1.943 | -2.1 | 111 | 0.00 | 17.45 |
| 100 M | 1,2,4-trichlorobenzene | 1.809 | 1.833 | -1.3 | 109 | 0.00 | 17.99 |
| 101 M | hexachlorobutadiene | 1.001 | 1.010 | -0.9 | 113 | 0.00 | 18.28 |
| 102 M | naphthalene | 4.068 | 4.105 | -0.9 | 107 | 0.00 | 18.26 |
| 103 M | 1,2,3-trichlorobenzene | 1.710 | 1.749 | -2.3 | 110 | 0.00 | 18.46 |
| 104 | 1-methylnaphthalene | 0.885 | 0.942 | -6.4 | 117 | 0.00 | 19.88 |
| 105 | 2-methylnaphthalene | 2.183 | 2.267 | -3.8 | 115 | 0.00 | 19.63 |

(1.0 %) 1 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
R24262.D R110411w.m Mon Nov 07 15:04:53 2011

5.8.5
5

Continuing Calibration Summary

Job Number: MC5183 Sample: MSR900-CC899
 Account: GGSVAVB Global General Services Lab FileID: R24269.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\R24269.D Vial: 2
 Acq On : 5 Nov 2011 2:29 pm Operator: danat
 Sample : cc899-50 Inst : MSR
 Misc : MS24135,MSR900,5,,,,,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Nov 05 12:11:26 2011
 Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|--------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 122 | 0.00 | 6.65 |
| 2 | tertiary butyl alcohol | 1.650 | 1.595 | 3.3 | 118 | 0.00 | 6.74 |
| 3 T | Ethanol | 0.271 | 0.285 | -5.2 | 119 | 0.00 | 5.59 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 116 | 0.00 | 9.08 |
| 5 M | dichlorodifluoromethane | 0.789 | 0.770 | 2.4 | 110 | 0.00 | 4.40 |
| 6 P | chloromethane | 0.813 | 0.770 | 5.3 | 109 | 0.00 | 4.63 |
| 7 c | vinyl chloride | 0.885 | 0.836 | 5.5 | 113 | 0.00 | 4.88 |
| 8 M | bromomethane | 0.728 | 0.684 | 6.0 | 111 | 0.00 | 5.36 |
| 9 M | chloroethane | 0.656 | 0.634 | 3.4 | 112 | 0.00 | 5.52 |
| 10 M | ethyl ether | 0.695 | 0.664 | 4.5 | 109 | 0.00 | 6.39 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 44.872 | 10.3 | 98 | 0.00 | 6.16 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.342 | 1.278 | 4.8 | 112 | 0.00 | 6.18 |
| 13 M | freon-113 | 0.824 | 0.797 | 3.3 | 112 | 0.00 | 6.94 |
| 14 M | acrolein | 0.014 | 0.019 | -35.7# | 153 | 0.00 | 6.15 |
| 15 c | 1,1-dichloroethene | 0.731 | 0.693 | 5.2 | 112 | 0.00 | 6.74 |
| 16 M | acetone | 0.313 | 0.318 | -1.6 | 115 | 0.00 | 6.27 |
| 17 M | Methyl Acetate | 0.950 | 0.925 | 2.6 | 108 | 0.00 | 6.91 |
| 18 M | methylene chloride | 0.968 | 0.882 | 8.9 | 108 | 0.00 | 6.89 |
| 19 M | methyl tert butyl ether | 2.272 | 2.180 | 4.0 | 109 | 0.00 | 7.67 |
| 20 M | acrylonitrile | 0.063 | 0.059 | 6.3 | 108 | 0.00 | 6.78 |
| 21 M | allyl chloride | 1.204 | 1.204 | 0.0 | 113 | 0.00 | 6.98 |
| 22 M | trans-1,2-dichloroethene | 0.842 | 0.789 | 6.3 | 111 | 0.00 | 7.57 |
| 23 M | iodomethane | 1.305 | 1.254 | 3.9 | 111 | 0.00 | 6.80 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 24 M | carbon disulfide | 50.000 | 49.296 | 1.4 | 122 | 0.00 | 7.17 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 25 M | propionitrile | 0.115 | 0.112 | 2.6 | 111 | 0.00 | 7.83 |
| 26 M | vinyl acetate | 1.489 | 1.493 | -0.3 | 118 | 0.00 | 7.92 |
| 27 M | chloroprene | 1.199 | 1.187 | 1.0 | 111 | 0.00 | 8.19 |
| 28 M | di-isopropyl ether | 2.778 | 2.730 | 1.7 | 108 | 0.00 | 8.23 |
| 29 M | methacrylonitrile | 0.498 | 0.470 | 5.6 | 106 | 0.00 | 8.34 |
| 30 M | 2-butanone | 0.110 | 0.112 | -1.8 | 110 | 0.00 | 8.23 |
| 31 M | Hexane | 1.217 | 1.213 | 0.3 | 112 | 0.00 | 8.21 |
| 32 P | 1,1-dichloroethane | 1.566 | 1.475 | 5.8 | 109 | 0.00 | 7.82 |
| 33 M | tert-butyl ethyl ether | 2.542 | 2.482 | 2.4 | 109 | 0.00 | 8.62 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR900-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24269.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|---------------------------|-------------|---------|---------|-------|------|-------|
| 34 M | isobutyl alcohol | 0.082 | 0.081 | 1.2 | 107 | 0.00 | 8.64 |
| 35 M | 2,2-dichloropropane | 0.998 | 1.114 | -11.6 | 127 | 0.00 | 8.69 |
| 36 M | cis-1,2-dichloroethene | 0.945 | 0.881 | 6.8 | 108 | 0.00 | 8.39 |
| 37 | ethyl acetate | 0.714 | 0.672 | 5.9 | 109 | 0.00 | 9.87 |
| 38 M | bromochloromethane | 0.447 | 0.412 | 7.8 | 106 | 0.00 | 8.56 |
| 39 c | chloroform | 1.528 | 1.437 | 6.0 | 108 | 0.00 | 8.60 |
| 40 S | dibromofluoromethane (s) | 0.853 | 0.726 | 14.9 | 100 | 0.00 | 8.72 |
| 41 M | Tetrahydrofuran | 0.218 | 0.207 | 5.0 | 107 | 0.00 | 8.93 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 47.210 | 5.6 | 114 | 0.00 | 9.35 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | 0.00 | 9.95 |
| 44 M | Cyclohexane | 0.955 | 0.951 | 0.4 | 111 | 0.00 | 9.64 |
| 45 M | carbon tetrachloride | 0.644 | 0.670 | -4.0 | 113 | 0.00 | 9.72 |
| 46 M | 1,1-dichloropropene | 0.714 | 0.714 | 0.0 | 112 | 0.00 | 9.52 |
| 47 M | benzene | 2.177 | 2.115 | 2.8 | 109 | 0.00 | 9.75 |
| 48 M | 1,2-dichloroethane | 0.694 | 0.662 | 4.6 | 107 | 0.00 | 9.25 |
| 49 M | tert-amyl methyl ether | 1.393 | 1.394 | -0.1 | 110 | 0.00 | 9.87 |
| 50 M | heptane | 0.719 | 0.756 | -5.1 | 114 | 0.00 | 10.23 |
| 51 M | trichloroethene | 0.548 | 0.520 | 5.1 | 109 | 0.00 | 10.37 |
| 52 c | 1,2-dichloropropane | 0.558 | 0.544 | 2.5 | 108 | 0.00 | 10.33 |
| 53 M | dibromomethane | 0.326 | 0.316 | 3.1 | 107 | 0.00 | 10.31 |
| 54 M | bromodichloromethane | 0.637 | 0.643 | -0.9 | 108 | 0.00 | 10.42 |
| 55 M | Methylcyclohexane | 0.933 | 0.961 | -3.0 | 114 | 0.00 | 10.89 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 45.958 | 8.1 | 105 | 0.00 | 10.79 |
| 57 M | methyl methacrylate | 50.000 | 47.394 | 5.2 | 107 | 0.00 | 10.52 |
| 58 M | 1,4-dioxane | 250.000 | 267.871 | -7.1 | 117 | 0.00 | 10.52 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 46.512 | 7.0 | 110 | 0.00 | 11.04 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 60 S | toluene-d8 (s) | 1.937 | 1.713 | 11.6 | 102 | 0.00 | 11.75 |
| 61 M | 4-methyl-2-pentanone | 0.438 | 0.422 | 3.7 | 106 | 0.02 | 11.14 |
| 62 c | toluene | 1.264 | 1.261 | 0.2 | 108 | 0.00 | 11.82 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 46.172 | 7.7 | 111 | 0.00 | 11.46 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 64 M | 1,1,2-trichloroethane | 0.386 | 0.372 | 3.6 | 105 | 0.00 | 11.63 |
| 65 M | ethyl methacrylate | 0.198 | 0.201 | -1.5 | 113 | 0.00 | 10.89 |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 115 | 0.00 | 13.20 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 67 M | tetrachloroethene | 50.000 | 46.866 | 6.3 | 109 | 0.00 | 12.56 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 68 M | 1,3-dichloropropane | 1.513 | 1.416 | 6.4 | 105 | 0.00 | 11.87 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 69 M | dibromochloromethane | 50.000 | 45.061 | 9.9 | 108 | 0.00 | 12.16 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 70 M | 1,2-dibromoethane | 0.819 | 0.774 | 5.5 | 106 | 0.00 | 12.41 |

5.8.6
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR900-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24269.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 71 M | 2-hexanone | 50.000 | 45.596 | 8.8 | 106 | 0.03 | 12.01 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.688 | 2.483 | 7.6 | 107 | 0.00 | 13.24 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.886 | 0.874 | 1.4 | 109 | 0.00 | 13.16 |
| 74 c | ethylbenzene | 4.517 | 4.335 | 4.0 | 108 | 0.00 | 13.41 |
| 75 M | m,p-xylene | 1.713 | 1.695 | 1.1 | 108 | 0.00 | 13.60 |
| 76 M | o-xylene | 1.754 | 1.707 | 2.7 | 108 | 0.00 | 14.01 |
| 77 M | styrene | 2.715 | 2.626 | 3.3 | 107 | 0.00 | 13.94 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 44.090 | 11.8 | 109 | 0.00 | 13.77 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 M | trans-1,4-dichloro-2-bute | 0.291 | 0.292 | -0.3 | 113 | 0.00 | 14.16 |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 116 | 0.00 | 15.76 |
| 81 M | isopropylbenzene | 4.131 | 4.106 | 0.6 | 110 | 0.00 | 14.37 |
| 82 S | bromofluorobenzene (s) | 1.553 | 1.309 | 15.7 | 99 | 0.00 | 14.43 |
| 83 M | bromobenzene | 1.182 | 1.103 | 6.7 | 107 | 0.00 | 14.66 |
| 84 P | 1,1,2,2-tetrachloroethane | 1.254 | 1.221 | 2.6 | 107 | 0.00 | 14.01 |
| 85 M | 1,2,3-trichloropropane | 1.288 | 1.270 | 1.4 | 109 | 0.00 | 14.16 |
| 86 M | n-propylbenzene | 5.680 | 5.637 | 0.8 | 110 | 0.00 | 14.82 |
| 87 M | 2-chlorotoluene | 3.555 | 3.402 | 4.3 | 109 | 0.00 | 14.94 |
| 88 M | 4-chlorotoluene | 3.562 | 3.413 | 4.2 | 109 | 0.00 | 15.01 |
| 89 M | 1,3,5-trimethylbenzene | 4.108 | 4.097 | 0.3 | 110 | 0.00 | 15.10 |
| 90 M | tert-butylbenzene | 2.373 | 2.363 | 0.4 | 112 | 0.00 | 15.40 |
| 91 M | 1,2,4-trimethylbenzene | 4.145 | 4.113 | 0.8 | 110 | 0.00 | 15.50 |
| 92 M | sec-butylbenzene | 5.445 | 5.468 | -0.4 | 111 | 0.00 | 15.62 |
| 93 M | 1,3-dichlorobenzene | 2.355 | 2.213 | 6.0 | 109 | 0.00 | 15.73 |
| 94 M | p-isopropyltoluene | 4.258 | 4.365 | -2.5 | 111 | 0.00 | 15.79 |
| 95 M | 1,4-dichlorobenzene | 2.500 | 2.397 | 4.1 | 108 | 0.00 | 15.79 |
| 96 M | 1,2-dichlorobenzene | 2.335 | 2.211 | 5.3 | 109 | 0.00 | 16.16 |
| 97 M | n-butylbenzene | 4.374 | 4.474 | -2.3 | 113 | 0.00 | 16.21 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 48.455 | 3.1 | 110 | 0.00 | 16.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.903 | 1.870 | 1.7 | 113 | 0.00 | 17.45 |
| 100 M | 1,2,4-trichlorobenzene | 1.809 | 1.760 | 2.7 | 111 | 0.00 | 17.99 |
| 101 M | hexachlorobutadiene | 1.001 | 0.975 | 2.6 | 115 | 0.00 | 18.28 |
| 102 M | naphthalene | 4.068 | 3.973 | 2.3 | 109 | 0.00 | 18.26 |
| 103 M | 1,2,3-trichlorobenzene | 1.710 | 1.665 | 2.6 | 111 | 0.00 | 18.46 |
| 104 | 1-methylnaphthalene | 0.885 | 0.838 | 5.3 | 109 | 0.00 | 19.88 |
| 105 | 2-methylnaphthalene | 2.183 | 2.081 | 4.7 | 111 | 0.00 | 19.63 |

(1.0 %) 1 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 R24262.D R110411w.m Mon Nov 07 17:27:29 2011

58.6
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR901-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24295.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\R24295.D Vial: 28
Acq On : 6 Nov 2011 1:52 am Operator: danat
Sample : cc899-50 Inst : MSR
Misc : MS24310,MSR901,5,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Nov 05 12:11:26 2011
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|-------------|--------------------------|--------|--------|---------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 69 | 0.04 | 6.70 |
| 2 | tertiary butyl alcohol | 1.650 | 1.388 | 15.9 | 58 | 0.00 | 6.74 |
| 3 T | Ethanol | 0.271 | 0.129 | 52.4# | 31# | 0.06 | 5.64 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 9.08 |
| 5 M | dichlorodifluoromethane | 0.789 | 1.018 | -29.0# | 97 | 0.01 | 4.41 |
| 6 P | chloromethane | 0.813 | 0.949 | -16.7 | 90 | 0.00 | 4.63 |
| 7 c | vinyl chloride | 0.885 | 1.105 | -24.9# | 100 | 0.00 | 4.88 |
| 8 M | bromomethane | 0.728 | 0.807 | -10.9 | 88 | 0.00 | 5.36 |
| 9 M | chloroethane | 0.656 | 0.763 | -16.3 | 90 | 0.00 | 5.52 |
| 10 M | ethyl ether | 0.695 | 0.803 | -15.5 | 88 | 0.00 | 6.39 |
| ----- True | | | Calc. | % Drift | ----- | | |
| 11 M | acetonitrile | 50.000 | 46.050 | 7.9 | 68 | 0.03 | 6.20 |
| ----- AvgRF | | | CCRF | % Dev | ----- | | |
| 12 M | trichlorofluoromethane | 1.342 | 1.520 | -13.3 | 89 | 0.00 | 6.18 |
| 13 M | freon-113 | 0.824 | 0.917 | -11.3 | 86 | 0.00 | 6.94 |
| 14 M | acrolein | 0.014 | 0.008 | 42.9# | 40# | 0.02 | 6.16 |
| 15 c | 1,1-dichloroethene | 0.731 | 0.786 | -7.5 | 85 | 0.00 | 6.74 |
| 16 M | acetone | 0.313 | 0.396 | -26.5# | 96 | 0.01 | 6.28 |
| 17 M | Methyl Acetate | 0.950 | 1.241 | -30.6# | 97 | 0.01 | 6.91 |
| 18 M | methylene chloride | 0.968 | 1.077 | -11.3 | 89 | 0.00 | 6.89 |
| 19 M | methyl tert butyl ether | 2.272 | 2.546 | -12.1 | 85 | 0.00 | 7.67 |
| 20 M | acrylonitrile | 0.063 | 0.075 | -19.0 | 91 | 0.01 | 6.79 |
| 21 M | allyl chloride | 1.204 | 1.413 | -17.4 | 89 | 0.00 | 6.98 |
| 22 M | trans-1,2-dichloroethene | 0.842 | 0.913 | -8.4 | 86 | 0.00 | 7.58 |
| 23 M | iodomethane | 1.305 | 1.441 | -10.4 | 85 | 0.00 | 6.80 |
| ----- True | | | Calc. | % Drift | ----- | | |
| 24 M | carbon disulfide | 50.000 | 55.960 | -11.9 | 94 | 0.00 | 7.17 |
| ----- AvgRF | | | CCRF | % Dev | ----- | | |
| 25 M | propionitrile | 0.115 | 0.120 | -4.3 | 80 | 0.02 | 7.84 |
| 26 M | vinyl acetate | 1.489 | 1.228 | 17.5 | 65 | 0.01 | 7.92 |
| 27 M | chloroprene | 1.199 | 1.406 | -17.3 | 88 | 0.00 | 8.19 |
| 28 M | di-isopropyl ether | 2.778 | 3.453 | -24.3# | 91 | 0.00 | 8.23 |
| 29 M | methacrylonitrile | 0.498 | 0.612 | -22.9# | 93 | 0.00 | 8.34 |
| 30 M | 2-butanone | 0.110 | 0.143 | -30.0# | 93 | 0.01 | 8.23 |
| 31 M | Hexane | 1.217 | 1.445 | -18.7 | 89 | 0.00 | 8.21 |
| 32 P | 1,1-dichloroethane | 1.566 | 1.831 | -16.9 | 90 | 0.00 | 7.83 |
| 33 M | tert-butyl ethyl ether | 2.542 | 2.982 | -17.3 | 88 | 0.00 | 8.62 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR901-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24295.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|--------------------------------|---------------------------|---------|--------|---------|----|------|-------|
| 34 M | isobutyl alcohol | 0.082 | 0.096 | -17.1 | 85 | 0.01 | 8.64 |
| 35 M | 2,2-dichloropropane | 0.998 | 0.929 | 6.9 | 71 | 0.00 | 8.69 |
| 36 M | cis-1,2-dichloroethene | 0.945 | 1.068 | -13.0 | 88 | 0.00 | 8.40 |
| 37 | ethyl acetate | | | NA | | | |
| 38 M | bromochloromethane | 0.447 | 0.509 | -13.9 | 87 | 0.00 | 8.56 |
| 39 c | chloroform | 1.528 | 1.786 | -16.9 | 90 | 0.00 | 8.60 |
| 40 S | dibromofluoromethane (s) | 0.853 | 0.887 | -4.0 | 82 | 0.00 | 8.72 |
| 41 M | Tetrahydrofuran | 0.218 | 0.263 | -20.6# | 90 | 0.00 | 8.93 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 54.709 | -9.4 | 89 | 0.00 | 9.35 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 | 9.95 |
| 44 M | Cyclohexane | 0.955 | 1.040 | -8.9 | 88 | 0.00 | 9.64 |
| 45 M | carbon tetrachloride | 0.644 | 0.724 | -12.4 | 89 | 0.00 | 9.72 |
| 46 M | 1,1-dichloropropene | 0.714 | 0.752 | -5.3 | 86 | 0.00 | 9.53 |
| 47 M | benzene | 2.177 | 2.382 | -9.4 | 89 | 0.00 | 9.75 |
| 48 M | 1,2-dichloroethane | 0.694 | 0.779 | -12.2 | 91 | 0.00 | 9.25 |
| 49 M | tert-amyl methyl ether | 1.393 | 1.516 | -8.8 | 87 | 0.00 | 9.87 |
| 50 M | heptane | 0.719 | 0.712 | 1.0 | 78 | 0.00 | 10.23 |
| 51 M | trichloroethene | 0.548 | 0.608 | -10.9 | 92 | 0.00 | 10.37 |
| 52 c | 1,2-dichloropropane | 0.558 | 0.634 | -13.6 | 91 | 0.00 | 10.34 |
| 53 M | dibromomethane | 0.326 | 0.368 | -12.9 | 90 | 0.00 | 10.31 |
| 54 M | bromodichloromethane | 0.637 | 0.729 | -14.4 | 89 | 0.00 | 10.42 |
| 55 M | Methylcyclohexane | 0.933 | 0.992 | -6.3 | 85 | 0.00 | 10.89 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 52.199 | -4.4 | 88 | 0.00 | 10.79 |
| 57 M | methyl methacrylate | 50.000 | 53.455 | -6.9 | 89 | 0.00 | 10.52 |
| 58 M | 1,4-dioxane | 250.000 | 90.477 | 63.8# | 11 | 0.00 | 10.53 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 49.595 | 0.8 | 86 | 0.00 | 11.04 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 60 S | toluene-d8 (s) | 1.937 | 1.912 | 1.3 | 83 | 0.00 | 11.75 |
| 61 M | 4-methyl-2-pentanone | 0.438 | 0.509 | -16.2 | 93 | 0.02 | 11.15 |
| 62 c | toluene | 1.264 | 1.408 | -11.4 | 88 | 0.00 | 11.82 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 48.945 | 2.1 | 86 | 0.00 | 11.46 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 64 M | 1,1,2-trichloroethane | 0.386 | 0.442 | -14.5 | 90 | 0.00 | 11.63 |
| 65 M | ethyl methacrylate | 0.198 | 0.211 | -6.6 | 87 | 0.00 | 10.89 |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 89 | 0.00 | 13.20 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 67 M | tetrachloroethene | 50.000 | 47.170 | 5.7 | 85 | 0.00 | 12.56 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 68 M | 1,3-dichloropropane | 1.513 | 1.599 | -5.7 | 92 | 0.00 | 11.87 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 69 M | dibromochloromethane | 50.000 | 49.083 | 1.8 | 92 | 0.00 | 12.16 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 70 M | 1,2-dibromoethane | 0.819 | 0.842 | -2.8 | 90 | 0.00 | 12.41 |

5.8.7
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR901-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24295.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|----|------|-------|
| 71 M | 2-hexanone | 50.000 | 50.136 | -0.3 | 90 | 0.03 | 12.02 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.688 | 2.652 | 1.3 | 89 | 0.00 | 13.24 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.886 | 0.917 | -3.5 | 89 | 0.00 | 13.16 |
| 74 c | ethylbenzene | 4.517 | 4.539 | -0.5 | 87 | 0.00 | 13.42 |
| 75 M | m,p-xylene | 1.713 | 1.783 | -4.1 | 88 | 0.00 | 13.60 |
| 76 M | o-xylene | 1.754 | 1.817 | -3.6 | 89 | 0.00 | 14.01 |
| 77 M | styrene | 2.715 | 2.766 | -1.9 | 87 | 0.00 | 13.94 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 48.289 | 3.4 | 94 | 0.00 | 13.77 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 M | trans-1,4-dichloro-2-bute | 0.291 | 0.281 | 3.4 | 84 | 0.00 | 14.16 |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 | 15.76 |
| 81 M | isopropylbenzene | 4.131 | 4.304 | -4.2 | 88 | 0.00 | 14.37 |
| 82 S | bromofluorobenzene (s) | 1.553 | 1.403 | 9.7 | 81 | 0.00 | 14.43 |
| 83 M | bromobenzene | 1.182 | 1.199 | -1.4 | 88 | 0.00 | 14.66 |
| 84 P | 1,1,2,2-tetrachloroethane | 1.254 | 1.350 | -7.7 | 90 | 0.00 | 14.01 |
| 85 M | 1,2,3-trichloropropane | 1.288 | 1.410 | -9.5 | 92 | 0.00 | 14.16 |
| 86 M | n-propylbenzene | 5.680 | 5.990 | -5.5 | 89 | 0.00 | 14.82 |
| 87 M | 2-chlorotoluene | 3.555 | 3.669 | -3.2 | 89 | 0.00 | 14.94 |
| 88 M | 4-chlorotoluene | 3.562 | 3.673 | -3.1 | 89 | 0.00 | 15.01 |
| 89 M | 1,3,5-trimethylbenzene | 4.108 | 4.313 | -5.0 | 88 | 0.00 | 15.09 |
| 90 M | tert-butylbenzene | 2.373 | 2.437 | -2.7 | 88 | 0.00 | 15.40 |
| 91 M | 1,2,4-trimethylbenzene | 4.145 | 4.371 | -5.5 | 89 | 0.00 | 15.50 |
| 92 M | sec-butylbenzene | 5.445 | 5.754 | -5.7 | 89 | 0.00 | 15.62 |
| 93 M | 1,3-dichlorobenzene | 2.355 | 2.406 | -2.2 | 90 | 0.00 | 15.72 |
| 94 M | p-isopropyltoluene | 4.258 | 4.555 | -7.0 | 88 | 0.00 | 15.79 |
| 95 M | 1,4-dichlorobenzene | 2.500 | 2.635 | -5.4 | 90 | 0.00 | 15.79 |
| 96 M | 1,2-dichlorobenzene | 2.335 | 2.401 | -2.8 | 90 | 0.00 | 16.16 |
| 97 M | n-butylbenzene | 4.374 | 4.635 | -6.0 | 89 | 0.00 | 16.21 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 51.985 | -4.0 | 91 | 0.00 | 16.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.903 | 1.889 | 0.7 | 87 | 0.00 | 17.45 |
| 100 M | 1,2,4-trichlorobenzene | 1.809 | 1.802 | 0.4 | 86 | 0.00 | 17.99 |
| 101 M | hexachlorobutadiene | 1.001 | 0.953 | 4.8 | 85 | 0.00 | 18.28 |
| 102 M | naphthalene | 4.068 | 4.090 | -0.5 | 85 | 0.00 | 18.26 |
| 103 M | 1,2,3-trichlorobenzene | 1.710 | 1.698 | 0.7 | 86 | 0.00 | 18.46 |
| 104 | 1-methylnaphthalene | 0.885 | 0.586 | 33.8# | 58 | 0.00 | 19.88 |
| 105 | 2-methylnaphthalene | 2.183 | 1.576 | 27.8# | 64 | 0.00 | 19.63 |

(13.0 %) 13 of 100 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 1
 R24262.D R110411w.m Tue Nov 08 14:20:08 2011

5.8.7 5

Continuing Calibration Summary

Job Number: MC5183 Sample: MSR902-CC899
 Account: GGSVAVB Global General Services Lab FileID: R24315.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\R24315.D Vial: 3
 Acq On : 7 Nov 2011 12:32 pm Operator: danat
 Sample : cc899-50 Inst : MSR
 Misc : MS24310,MSR902,5,,,,,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Sat Nov 05 12:11:26 2011
 Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|--------|-------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 114 | 0.00 | 6.66 |
| 2 | tertiary butyl alcohol | 1.650 | 1.511 | 8.4 | 104 | 0.00 | 6.74 |
| 3 T | Ethanol | 0.271 | 0.242 | 10.7 | 95 | 0.03 | 5.61 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 101 | 0.00 | 9.08 |
| 5 M | dichlorodifluoromethane | 0.789 | 0.725 | 8.1 | 90 | 0.00 | 4.40 |
| 6 P | chloromethane | 0.813 | 0.695 | 14.5 | 86 | 0.00 | 4.63 |
| 7 c | vinyl chloride | 0.885 | 0.782 | 11.6 | 92 | 0.00 | 4.88 |
| 8 M | bromomethane | 0.728 | 0.661 | 9.2 | 94 | 0.00 | 5.37 |
| 9 M | chloroethane | 0.656 | 0.617 | 5.9 | 95 | 0.00 | 5.52 |
| 10 M | ethyl ether | 0.695 | 0.670 | 3.6 | 96 | 0.00 | 6.39 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 11 M | acetonitrile | 50.000 | 49.733 | 0.5 | 95 | 0.02 | 6.19 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 12 M | trichlorofluoromethane | 1.342 | 1.229 | 8.4 | 94 | 0.00 | 6.18 |
| 13 M | freon-113 | 0.824 | 0.766 | 7.0 | 93 | 0.00 | 6.94 |
| 14 M | acrolein | 0.014 | 0.014 | 0.0 | 98 | 0.02 | 6.16 |
| 15 c | 1,1-dichloroethene | 0.731 | 0.653 | 10.7 | 92 | 0.00 | 6.74 |
| 16 M | acetone | 0.313 | 0.348 | -11.2 | 110 | 0.01 | 6.28 |
| 17 M | Methyl Acetate | 0.950 | 0.971 | -2.2 | 99 | 0.00 | 6.91 |
| 18 M | methylene chloride | 0.968 | 0.866 | 10.5 | 93 | 0.00 | 6.89 |
| 19 M | methyl tert butyl ether | 2.272 | 2.117 | 6.8 | 92 | 0.00 | 7.67 |
| 20 M | acrylonitrile | 0.063 | 0.062 | 1.6 | 99 | 0.01 | 6.78 |
| 21 M | allyl chloride | 1.204 | 1.175 | 2.4 | 96 | 0.00 | 6.98 |
| 22 M | trans-1,2-dichloroethene | 0.842 | 0.749 | 11.0 | 92 | 0.00 | 7.58 |
| 23 M | iodomethane | 1.305 | 1.194 | 8.5 | 92 | 0.00 | 6.80 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 24 M | carbon disulfide | 50.000 | 48.472 | 3.1 | 104 | 0.00 | 7.17 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 25 M | propionitrile | 0.115 | 0.112 | 2.6 | 97 | 0.01 | 7.83 |
| 26 M | vinyl acetate | 1.489 | 1.530 | -2.8 | 106 | 0.00 | 7.92 |
| 27 M | chloroprene | 1.199 | 1.138 | 5.1 | 92 | 0.00 | 8.19 |
| 28 M | di-isopropyl ether | 2.778 | 2.722 | 2.0 | 94 | 0.00 | 8.23 |
| 29 M | methacrylonitrile | 0.498 | 0.480 | 3.6 | 95 | 0.00 | 8.34 |
| 30 M | 2-butanone | 0.110 | 0.115 | -4.5 | 98 | 0.00 | 8.23 |
| 31 M | Hexane | 1.217 | 1.202 | 1.2 | 97 | 0.00 | 8.21 |
| 32 P | 1,1-dichloroethane | 1.566 | 1.458 | 6.9 | 94 | 0.00 | 7.83 |
| 33 M | tert-butyl ethyl ether | 2.542 | 2.411 | 5.2 | 92 | 0.00 | 8.62 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR902-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24315.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|---------------------------|-------------|---------|---------|-------|------|-------|
| 34 M | isobutyl alcohol | 0.082 | 0.085 | -3.7 | 98 | 0.01 | 8.64 |
| 35 M | 2,2-dichloropropane | 0.998 | 1.067 | -6.9 | 106 | 0.00 | 8.69 |
| 36 M | cis-1,2-dichloroethene | 0.945 | 0.857 | 9.3 | 92 | 0.00 | 8.40 |
| 37 | ethyl acetate | 0.714 | 0.656 | 8.1 | 93 | 0.00 | 9.87 |
| 38 M | bromochloromethane | 0.447 | 0.410 | 8.3 | 92 | 0.00 | 8.56 |
| 39 c | chloroform | 1.528 | 1.412 | 7.6 | 93 | 0.00 | 8.60 |
| 40 S | dibromofluoromethane (s) | 0.853 | 0.744 | 12.8 | 90 | 0.00 | 8.72 |
| 41 M | Tetrahydrofuran | 0.218 | 0.218 | 0.0 | 98 | 0.00 | 8.93 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 44.514 | 11.0 | 93 | 0.00 | 9.35 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 9.95 |
| 44 M | Cyclohexane | 0.955 | 0.898 | 6.0 | 94 | 0.00 | 9.64 |
| 45 M | carbon tetrachloride | 0.644 | 0.622 | 3.4 | 94 | 0.00 | 9.72 |
| 46 M | 1,1-dichloropropene | 0.714 | 0.664 | 7.0 | 94 | 0.00 | 9.53 |
| 47 M | benzene | 2.177 | 2.018 | 7.3 | 93 | 0.00 | 9.75 |
| 48 M | 1,2-dichloroethane | 0.694 | 0.644 | 7.2 | 93 | 0.00 | 9.25 |
| 49 M | tert-amyl methyl ether | 1.393 | 1.315 | 5.6 | 93 | 0.00 | 9.87 |
| 50 M | heptane | 0.719 | 0.742 | -3.2 | 100 | 0.00 | 10.23 |
| 51 M | trichloroethene | 0.548 | 0.490 | 10.6 | 92 | 0.00 | 10.37 |
| 52 c | 1,2-dichloropropane | 0.558 | 0.528 | 5.4 | 94 | 0.00 | 10.34 |
| 53 M | dibromomethane | 0.326 | 0.311 | 4.6 | 94 | 0.00 | 10.31 |
| 54 M | bromodichloromethane | 0.637 | 0.629 | 1.3 | 95 | 0.00 | 10.42 |
| 55 M | Methylcyclohexane | 0.933 | 0.887 | 4.9 | 94 | 0.00 | 10.89 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 46.320 | 7.4 | 95 | 0.00 | 10.79 |
| 57 M | methyl methacrylate | 50.000 | 47.022 | 6.0 | 95 | 0.00 | 10.52 |
| 58 M | 1,4-dioxane | 250.000 | 216.795 | 13.3 | 79 | 0.00 | 10.53 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 46.001 | 8.0 | 97 | 0.00 | 11.04 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 60 S | toluene-d8 (s) | 1.937 | 1.711 | 11.7 | 92 | 0.00 | 11.75 |
| 61 M | 4-methyl-2-pentanone | 0.438 | 0.432 | 1.4 | 97 | 0.02 | 11.15 |
| 62 c | toluene | 1.264 | 1.189 | 5.9 | 91 | 0.00 | 11.82 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 46.093 | 7.8 | 99 | 0.00 | 11.46 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 64 M | 1,1,2-trichloroethane | 0.386 | 0.369 | 4.4 | 93 | 0.00 | 11.63 |
| 65 M | ethyl methacrylate | 0.198 | 0.188 | 5.1 | 95 | 0.00 | 10.89 |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 13.20 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 67 M | tetrachloroethene | 50.000 | 42.120 | 15.8 | 89 | 0.00 | 12.56 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 68 M | 1,3-dichloropropane | 1.513 | 1.393 | 7.9 | 93 | 0.00 | 11.87 |
| | | ----- True | Calc. | % Drift | ----- | | |
| 69 M | dibromochloromethane | 50.000 | 44.433 | 11.1 | 96 | 0.00 | 12.16 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | |
| 70 M | 1,2-dibromoethane | 0.819 | 0.746 | 8.9 | 93 | 0.00 | 12.41 |

5.8.8
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSR902-CC899
Account: GGSVAVB Global General Services **Lab FileID:** R24315.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | True | Calc. | % Drift | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 71 M | 2-hexanone | 50.000 | 45.050 | 9.9 | 95 | 0.03 | 12.01 |
| | | AvgRF | CCRF | % Dev | | | |
| 72 P | chlorobenzene | 2.688 | 2.331 | 13.3 | 91 | 0.00 | 13.24 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.886 | 0.815 | 8.0 | 92 | 0.00 | 13.16 |
| 74 c | ethylbenzene | 4.517 | 4.056 | 10.2 | 91 | 0.00 | 13.42 |
| 75 M | m,p-xylene | 1.713 | 1.571 | 8.3 | 91 | 0.00 | 13.60 |
| 76 M | o-xylene | 1.754 | 1.583 | 9.7 | 90 | 0.00 | 14.01 |
| 77 M | styrene | 2.715 | 2.440 | 10.1 | 90 | 0.00 | 13.94 |
| | | True | Calc. | % Drift | | | |
| 78 P | bromoform | 50.000 | 43.702 | 12.6 | 98 | 0.00 | 13.77 |
| | | AvgRF | CCRF | % Dev | | | |
| 79 M | trans-1,4-dichloro-2-bute | 0.291 | 0.293 | -0.7 | 102 | 0.00 | 14.16 |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 | 15.76 |
| 81 M | isopropylbenzene | 4.131 | 4.060 | 1.7 | 91 | 0.00 | 14.38 |
| 82 S | bromofluorobenzene (s) | 1.553 | 1.413 | 9.0 | 89 | 0.00 | 14.43 |
| 83 M | bromobenzene | 1.182 | 1.107 | 6.3 | 89 | 0.00 | 14.66 |
| 84 P | 1,1,2,2-tetrachloroethane | 1.254 | 1.319 | -5.2 | 96 | 0.00 | 14.01 |
| 85 M | 1,2,3-trichloropropane | 1.288 | 1.410 | -9.5 | 100 | 0.00 | 14.16 |
| 86 M | n-propylbenzene | 5.680 | 5.665 | 0.3 | 92 | 0.00 | 14.82 |
| 87 M | 2-chlorotoluene | 3.555 | 3.441 | 3.2 | 92 | 0.00 | 14.94 |
| 88 M | 4-chlorotoluene | 3.562 | 3.478 | 2.4 | 92 | 0.00 | 15.01 |
| 89 M | 1,3,5-trimethylbenzene | 4.108 | 4.056 | 1.3 | 90 | 0.00 | 15.10 |
| 90 M | tert-butylbenzene | 2.373 | 2.310 | 2.7 | 91 | 0.00 | 15.40 |
| 91 M | 1,2,4-trimethylbenzene | 4.145 | 4.088 | 1.4 | 91 | 0.00 | 15.50 |
| 92 M | sec-butylbenzene | 5.445 | 5.357 | 1.6 | 91 | 0.00 | 15.62 |
| 93 M | 1,3-dichlorobenzene | 2.355 | 2.203 | 6.5 | 90 | 0.00 | 15.73 |
| 94 M | p-isopropyltoluene | 4.258 | 4.273 | -0.4 | 90 | 0.00 | 15.79 |
| 95 M | 1,4-dichlorobenzene | 2.500 | 2.381 | 4.8 | 89 | 0.00 | 15.79 |
| 96 M | 1,2-dichlorobenzene | 2.335 | 2.171 | 7.0 | 89 | 0.00 | 16.16 |
| 97 M | n-butylbenzene | 4.374 | 4.424 | -1.1 | 93 | 0.00 | 16.21 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 50.541 | -1.1 | 96 | 0.00 | 16.64 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.903 | 1.729 | 9.1 | 87 | 0.00 | 17.45 |
| 100 M | 1,2,4-trichlorobenzene | 1.809 | 1.632 | 9.8 | 85 | 0.00 | 17.99 |
| 101 M | hexachlorobutadiene | 1.001 | 0.887 | 11.4 | 87 | 0.00 | 18.28 |
| 102 M | naphthalene | 4.068 | 3.758 | 7.6 | 86 | 0.00 | 18.26 |
| 103 M | 1,2,3-trichlorobenzene | 1.710 | 1.531 | 10.5 | 85 | 0.00 | 18.46 |
| 104 | 1-methylnaphthalene | 0.885 | 0.713 | 19.4 | 77 | 0.00 | 19.88 |
| 105 | 2-methylnaphthalene | 2.183 | 1.764 | 19.2 | 78 | 0.00 | 19.63 |

(0.0 %) 0 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 R24262.D R110411w.m Mon Nov 07 15:48:13 2011

58.8
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSV126-ICC126
Account: GGSVAVB Global General Services **Lab FileID:** V2846.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Response Factor Report GCMS V

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

Calibration Files

20 =V2845.D 2 =V2842.D 5 =V2843.D 50 =V2846.D
 100 =V2847.D 200 =V2848.D 400 =V2849.D 0.5 =V2841.D
 10 =V2844.D =

| Compound | 20 | 2 | 5 | 50 | 100 | 200 | 400 | 0.5 | 10 | Avg | %RSD |
|--|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|----------------------|
| 1) tert butyl alcohol-d9 -----ISTD----- | | | | | | | | | | | |
| 2) tertiary butyl alcohol | 1.172 | 1.339 | 1.318 | 1.321 | 1.382 | 1.504 | 1.461 | | 1.254 | 1.344 | 7.93 |
| 3) Ethanol | 0.066 | 0.075 | 0.081 | 0.068 | 0.076 | 0.071 | 0.051 | | 0.069 | 0.070 | 12.97 |
| 4) I pentafluorobenzene -----ISTD----- | | | | | | | | | | | |
| 5) dichlorodifluoromethane | 0.597 | 0.645 | 0.723 | 0.776 | 0.789 | 0.809 | 0.797 | | 0.655 | 0.724 | 11.27 |
| 6) chloromethane | 0.605 | 0.671 | 0.665 | 0.701 | 0.724 | 0.750 | 0.713 | | 0.649 | 0.685 | 6.78 |
| 7) vinyl chloride | 0.659 | 0.675 | 0.761 | 0.779 | 0.810 | 0.854 | 0.831 | | 0.734 | 0.763 | 9.23 |
| 8) bromomethane | 0.312 | 0.408 | 0.423 | 0.439 | 0.452 | 0.464 | 0.442 | | 0.380 | 0.415 | 11.84 |
| 9) chloroethane | 0.296 | 0.378 | 0.371 | 0.369 | 0.379 | 0.389 | 0.371 | | 0.337 | 0.361 | 8.42 |
| 10) ethyl ether | 0.373 | 0.437 | 0.436 | 0.413 | 0.437 | 0.456 | 0.427 | | 0.411 | 0.424 | 5.93 |
| 11) acetonitrile | 0.784 | | 0.799 | 0.954 | 1.020 | 1.059 | 1.014 | | 0.820 | 0.921 | 12.73 |
| 12) trichlorofluoromethane | 0.711 | 0.838 | 0.855 | 0.872 | 0.915 | 0.941 | 0.903 | | 0.822 | 0.857 | 8.35 |
| 13) freon-113 | 0.547 | 0.597 | 0.624 | 0.620 | 0.647 | 0.671 | 0.641 | | 0.606 | 0.619 | 6.05 |
| 14) acrolein | 0.019 | | 0.021 | 0.022 | 0.023 | 0.022 | 0.023 | | 0.021 | 0.021 | 6.13 |
| 15) 1,1-dichloroethene | 0.477 | 0.502 | 0.535 | 0.555 | 0.578 | 0.601 | 0.585 | | 0.519 | 0.544 | 8.01 |
| 16) acetone | 0.261 | | 0.358 | 0.412 | 0.386 | 0.397 | 0.276 | | 0.318 | 0.344 | 17.42 |
| ----- Quadratic regression ----- | | | | | | | | | | | |
| Response Ratio = -0.05895 + 0.50793 *A + -0.02789 *A^2 | | | | | | | | | | | Coefficient = 0.9971 |
| 17) Methyl Acetate | 0.571 | 0.793 | 0.635 | 0.626 | 0.646 | 0.712 | 0.604 | | 0.633 | 0.653 | 10.65 |
| 18) methylene chloride | 0.706 | 1.478 | 0.886 | 0.697 | 0.703 | 0.724 | 0.690 | | 0.829 | 0.839 | 31.93 |
| ----- Linear regression ----- | | | | | | | | | | | |
| Response Ratio = 0.02734 + 0.69218 *A | | | | | | | | | | | Coefficient = 0.9995 |
| 19) methyl tert butyl ether | 1.300 | 1.254 | 1.383 | 1.510 | 1.622 | 1.794 | 1.677 | | 1.395 | 1.492 | 12.85 |
| 20) acrylonitrile | | | | | | | | | | | |

5.8.9
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSV126-ICC126
Account: GGSVAVB Global General Services **Lab FileID:** V2846.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

----- Linear regression ----- Coefficient = 0.9996
 Response Ratio = -0.07375 + 1.16621 *A

| | | | | | | | | | | | | | |
|-------|---------------------------|----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 43) I | 1,4-difluorobenzene | -----ISTD----- | | | | | | | | | | | |
| 44) | Cyclohexane | | 0.719 | 0.968 | 0.866 | 0.799 | 0.819 | 0.837 | 0.797 | 0.813 | 0.827 | 8.58 | |
| 45) | carbon tetrachloride | | 0.468 | 0.473 | 0.491 | 0.587 | 0.625 | 0.655 | 0.628 | 0.500 | 0.554 | 14.08 | |
| 46) | 1,1-dichloropropene | | 0.545 | 0.554 | 0.617 | 0.631 | 0.651 | 0.662 | 0.623 | 0.609 | 0.612 | 6.88 | |
| 47) | benzene | | 1.515 | 1.585 | 1.716 | 1.753 | 1.799 | 1.842 | 1.755 | 1.690 | 1.695 | 1.705 | 5.99 |
| 48) | 1,2-dichloroethane | | 0.557 | 0.585 | 0.631 | 0.626 | 0.640 | 0.664 | 0.614 | 0.615 | 0.616 | 5.35 | |
| 49) | tert-amyl methyl ether | | 0.764 | 0.635 | 0.730 | 0.933 | 1.016 | 1.129 | 1.075 | 0.800 | 0.885 | 20.21 | |
| | | | ----- Linear regression ----- Coefficient = 0.9989 | | | | | | | | | | |
| | | | Response Ratio = -0.06968 + 1.09314 *A | | | | | | | | | | |
| 50) | heptane | | 0.563 | 0.525 | 0.616 | 0.683 | 0.690 | 0.698 | 0.626 | 0.626 | 0.628 | 9.84 | |
| 51) | trichloroethene | | 0.394 | 0.403 | 0.445 | 0.465 | 0.484 | 0.496 | 0.478 | 0.439 | 0.450 | 8.32 | |
| 52) | 1,2-dichloropropane | | 0.405 | 0.426 | 0.444 | 0.469 | 0.491 | 0.502 | 0.471 | 0.434 | 0.455 | 7.37 | |
| 53) | dibromomethane | | 0.230 | 0.221 | 0.248 | 0.265 | 0.275 | 0.291 | 0.268 | 0.252 | 0.256 | 9.14 | |
| 54) | bromodichloromethane | | 0.433 | 0.381 | 0.434 | 0.573 | 0.626 | 0.670 | 0.645 | 0.452 | 0.527 | 21.64 | |
| | | | ----- Linear regression ----- Coefficient = 0.9992 | | | | | | | | | | |
| | | | Response Ratio = -0.03972 + 0.65476 *A | | | | | | | | | | |
| 55) | Methylcyclohexane | | 0.655 | 0.601 | 0.703 | 0.788 | 0.812 | 0.831 | 0.788 | 0.715 | 0.737 | 11.05 | |
| 56) | 2-chloroethyl vinyl ether | | 0.175 | | 0.148 | 0.216 | 0.235 | 0.260 | 0.239 | 0.171 | 0.206 | 20.33 | |
| | | | ----- Linear regression ----- Coefficient = 0.9977 | | | | | | | | | | |
| | | | Response Ratio = -0.01157 + 0.24436 *A | | | | | | | | | | |
| 57) | methyl methacrylate | | 0.206 | | 0.195 | 0.250 | 0.266 | 0.294 | 0.261 | 0.222 | 0.242 | 14.68 | |
| 58) | 1,4-dioxane | | 0.003 | | 0.003 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | 0.004 | 17.15 | |
| | | | ----- Linear regression ----- Coefficient = 0.9985 | | | | | | | | | | |
| | | | Response Ratio = -0.00159 + 0.00447 *A | | | | | | | | | | |
| 59) | cis-1,3-dichloropropene | | 0.496 | 0.352 | 0.439 | 0.675 | 0.743 | 0.796 | 0.764 | 0.500 | 0.596 | 28.33 | |
| | | | ----- Linear regression ----- Coefficient = 0.9992 | | | | | | | | | | |
| | | | Response Ratio = -0.05154 + 0.77662 *A | | | | | | | | | | |
| 60) | toluene-d8 (s) | | 1.348 | 1.350 | 1.396 | 1.380 | 1.372 | 1.403 | 1.373 | 1.363 | 1.354 | 1.371 | 1.43 |
| 61) | 4-methyl-2-pentanone | | 0.300 | | 0.266 | 0.371 | 0.386 | 0.431 | 0.372 | 0.308 | 0.348 | 16.69 | |
| | | | ----- Linear regression ----- Coefficient = 0.9937 | | | | | | | | | | |
| | | | Response Ratio = 0.00713 + 0.38228 *A | | | | | | | | | | |
| 62) | toluene | | | | | | | | | | | | |

5.8.9
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSV126-ICC126
Account: GGSVAVB Global General Services **Lab FileID:** V2846.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | |
|-----|-----------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 63) | trans-1,3-dichloropropene | 0.955 | 1.086 | 1.096 | 1.101 | 1.123 | 1.143 | 1.079 | 1.076 | 1.082 | 5.19 |
| | | 0.391 | 0.261 | 0.338 | 0.551 | 0.616 | 0.679 | 0.646 | 0.384 | 0.483 | 32.80 |
| | | ----- Linear regression ----- Coefficient = 0.9988 | | | | | | | | | |
| | | Response Ratio = -0.05310 + 0.65866 *A | | | | | | | | | |
| 64) | 1,1,2-trichloroethane | 0.290 | 0.299 | 0.321 | 0.331 | 0.337 | 0.356 | 0.325 | 0.323 | 0.323 | 6.36 |
| 65) | ethyl methacrylate | 0.429 | 0.366 | 0.523 | 0.564 | 0.608 | 0.552 | | 0.412 | 0.493 | 18.42 |
| | | ----- Linear regression ----- Coefficient = 0.9972 | | | | | | | | | |
| | | Response Ratio = -0.01030 + 0.56467 *A | | | | | | | | | |
| 66) | I chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 67) | tetrachloroethene | 0.703 | 0.773 | 0.836 | 0.811 | 0.829 | 0.837 | 0.778 | 0.796 | 0.795 | 5.65 |
| 68) | 1,3-dichloropropane | 1.023 | 1.003 | 1.128 | 1.157 | 1.173 | 1.241 | 1.118 | 1.107 | 1.119 | 6.93 |
| 69) | dibromochloromethane | 0.481 | 0.442 | 0.656 | 0.717 | 0.797 | 0.743 | | 0.480 | 0.617 | 23.65 |
| | | ----- Linear regression ----- Coefficient = 0.9981 | | | | | | | | | |
| | | Response Ratio = -0.05506 + 0.76056 *A | | | | | | | | | |
| 70) | 1,2-dibromoethane | 0.566 | 0.512 | 0.574 | 0.655 | 0.685 | 0.736 | 0.669 | 0.597 | 0.624 | 11.85 |
| 71) | 2-hexanone | 0.437 | 0.423 | 0.605 | 0.592 | 0.621 | 0.516 | | 0.463 | 0.522 | 16.04 |
| | | ----- Quadratic regression ----- Coefficient = 0.9989 | | | | | | | | | |
| | | Response Ratio = -0.07543 + 0.71787 *A + -0.02389 *A^2 | | | | | | | | | |
| 72) | chlorobenzene | 1.776 | 1.979 | 2.093 | 1.996 | 1.990 | 2.003 | 1.800 | 1.994 | 1.954 | 5.55 |
| 73) | 1,1,1,2-tetrachloroethane | 0.566 | 0.504 | 0.593 | 0.684 | 0.709 | 0.730 | 0.648 | 0.601 | 0.629 | 12.28 |
| 74) | ethylbenzene | 3.235 | 3.248 | 3.580 | 3.670 | 3.701 | 3.701 | 3.015 | 3.550 | 3.463 | 7.54 |
| 75) | m,p-xylene | 1.206 | 1.218 | 1.361 | 1.372 | 1.371 | 1.370 | 1.225 | 1.321 | 1.306 | 5.81 |
| 76) | o-xylene | 1.174 | 1.029 | 1.227 | 1.335 | 1.368 | 1.380 | 1.268 | 1.267 | 1.256 | 9.20 |
| 77) | styrene | 1.921 | 1.616 | 2.079 | 2.253 | 2.297 | 2.324 | 2.101 | 2.081 | 2.084 | 11.15 |
| 78) | bromoform | 0.273 | 0.250 | 0.408 | 0.471 | 0.554 | 0.512 | | 0.271 | 0.391 | 32.37 |
| | | ----- Linear regression ----- Coefficient = 0.9970 | | | | | | | | | |
| | | Response Ratio = -0.06154 + 0.52747 *A | | | | | | | | | |
| 79) | trans-1,4-dichloro-2-butene | 0.187 | 0.180 | 0.239 | 0.257 | 0.287 | 0.251 | | 0.198 | 0.229 | 17.76 |
| | | ----- Linear regression ----- Coefficient = 0.9946 | | | | | | | | | |
| | | Response Ratio = -0.00140 + 0.25821 *A | | | | | | | | | |
| 80) | I 1,4-dichlorobenzene-d | -----ISTD----- | | | | | | | | | |
| 81) | isopropylbenzene | 3.058 | 2.572 | 3.114 | 3.501 | 3.670 | 3.715 | 3.451 | 3.247 | 3.291 | 11.47 |
| 82) | bromofluorobenzene (s) | 1.060 | 1.054 | 1.076 | 1.090 | 1.089 | 1.109 | 1.115 | 1.060 | 1.050 | 2.23 |
| 83) | bromobenzene | | | | | | | | | | |

5.8.9
5

Initial Calibration Summary

Job Number: MC5183 **Sample:** MSV126-ICC126
Account: GGSVAVB Global General Services **Lab FileID:** V2846.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | | | | |
|------|-----------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 0.892 | 0.929 | 0.962 | 0.993 | 1.007 | 1.029 | 0.973 | 0.955 | 0.968 | 4.55 |
| 84) | 1,1,2,2-tetrachloroethane | | | | | | | | | | |
| | | 0.873 | 0.853 | 0.925 | 0.993 | 1.020 | 1.093 | 0.989 | 0.953 | 0.962 | 8.18 |
| 85) | 1,2,3-trichloropropane | | | | | | | | | | |
| | | 0.848 | 0.865 | 1.010 | 1.147 | 1.275 | 1.134 | | 0.876 | 1.022 | 16.39 |
| | | ----- Linear regression ----- Coefficient = 0.9957 | | | | | | | | | |
| | | Response Ratio = -0.02895 + 1.16414 *A | | | | | | | | | |
| 86) | n-propylbenzene | | | | | | | | | | |
| | | 4.231 | 4.073 | 4.599 | 4.897 | 5.028 | 4.981 | 3.921 | 4.647 | 4.547 | 9.37 |
| 87) | 2-chlorotoluene | | | | | | | | | | |
| | | 2.596 | 2.648 | 2.931 | 2.994 | 3.092 | 3.099 | 2.953 | 2.870 | 2.898 | 6.46 |
| 88) | 4-chlorotoluene | | | | | | | | | | |
| | | 2.972 | 3.104 | 3.414 | 3.420 | 3.481 | 3.460 | 3.247 | 3.337 | 3.304 | 5.56 |
| 89) | 1,3,5-trimethylbenzene | | | | | | | | | | |
| | | 3.060 | 2.715 | 3.239 | 3.520 | 3.610 | 3.572 | 3.251 | 3.307 | 3.284 | 9.08 |
| 90) | tert-butylbenzene | | | | | | | | | | |
| | | 1.776 | 1.563 | 1.822 | 2.035 | 2.108 | 2.120 | 2.041 | 1.892 | 1.920 | 10.07 |
| 91) | 1,2,4-trimethylbenzene | | | | | | | | | | |
| | | 3.028 | 2.775 | 3.267 | 3.527 | 3.618 | 3.589 | 3.289 | 3.301 | 3.299 | 8.78 |
| 92) | sec-butylbenzene | | | | | | | | | | |
| | | 3.870 | 3.519 | 4.091 | 4.473 | 4.631 | 4.573 | 3.827 | 4.188 | 4.147 | 9.56 |
| 93) | 1,3-dichlorobenzene | | | | | | | | | | |
| | | 1.563 | 1.734 | 1.786 | 1.804 | 1.830 | 1.837 | 1.739 | 1.754 | 1.756 | 4.97 |
| 94) | p-isopropyltoluene | | | | | | | | | | |
| | | 2.932 | 2.541 | 3.085 | 3.403 | 3.502 | 3.449 | 3.175 | 3.185 | 3.159 | 10.02 |
| 95) | 1,4-dichlorobenzene | | | | | | | | | | |
| | | 1.587 | 1.952 | 1.926 | 1.842 | 1.843 | 1.841 | 1.740 | 1.788 | 1.815 | 6.31 |
| 96) | 1,2-dichlorobenzene | | | | | | | | | | |
| | | 1.515 | 1.604 | 1.747 | 1.709 | 1.704 | 1.685 | 1.536 | 1.707 | 1.651 | 5.30 |
| 97) | n-butylbenzene | | | | | | | | | | |
| | | 2.981 | 2.747 | 3.218 | 3.629 | 3.678 | 3.553 | 3.187 | 3.323 | 3.289 | 9.90 |
| 98) | 1,2-dibromo-3-chloropropane | | | | | | | | | | |
| | | 0.111 | 0.102 | 0.147 | 0.170 | 0.207 | 0.192 | | 0.113 | 0.149 | 28.23 |
| | | ----- Linear regression ----- Coefficient = 0.9969 | | | | | | | | | |
| | | Response Ratio = -0.02510 + 0.19773 *A | | | | | | | | | |
| 99) | 1,3,5-trichlorobenzene | | | | | | | | | | |
| | | 1.220 | 1.331 | 1.431 | 1.499 | 1.534 | 1.498 | 1.396 | 1.363 | 1.409 | 7.41 |
| 100) | 1,2,4-trichlorobenzene | | | | | | | | | | |
| | | 1.089 | 1.103 | 1.203 | 1.314 | 1.379 | 1.379 | 1.259 | 1.203 | 1.241 | 9.06 |
| 101) | hexachlorobutadiene | | | | | | | | | | |
| | | 0.688 | 0.701 | 0.765 | 0.794 | 0.853 | 0.816 | 0.768 | 0.762 | 0.769 | 7.14 |
| 102) | naphthalene | | | | | | | | | | |
| | | 2.404 | 2.187 | 2.739 | 3.019 | 3.231 | 2.812 | | 2.511 | 2.700 | 13.38 |
| 103) | 1,2,3-trichlorobenzene | | | | | | | | | | |
| | | 1.094 | 1.072 | 1.226 | 1.247 | 1.336 | 1.325 | 1.195 | 1.207 | 1.213 | 7.86 |
| 104) | 2-Methylnaphthalene | | | | | | | | | | |
| | | 1.202 | 0.945 | 1.467 | 1.826 | 1.889 | 1.668 | | 1.064 | 1.437 | 26.12 |
| | | ----- Linear regression ----- Coefficient = 0.9946 | | | | | | | | | |
| | | Response Ratio = -0.01107 + 1.71727 *A | | | | | | | | | |
| 105) | 1-Methylnaphthalene | | | | | | | | | | |
| | | 1.148 | 0.854 | 1.311 | 1.601 | 1.620 | 1.397 | | 1.071 | 1.286 | 21.89 |
| | | ----- Linear regression ----- Coefficient = 0.9927 | | | | | | | | | |
| | | Response Ratio = 0.02592 + 1.43737 *A | | | | | | | | | |

 (#) = Out of Range ### Number of calibration levels exceeded format ###

5.8.9
5

Initial Calibration Summary

Job Number: MC5183

Sample: MSV126-ICC126

Account: GGSVAVB Global General Services

Lab FileID: V2846.D

Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

v102411s.m

Tue Oct 25 12:21:29 2011

Initial Calibration Verification

Job Number: MC5183 Sample: MSV126-ICV126
 Account: GGSVAVB Global General Services Lab FileID: V2853.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2853.D Vial: 15
 Acq On : 24 Oct 2011 6:28 pm Operator: AMYM
 Sample : icv126-50 Inst : GCMS V
 Misc : MS24207,MSV126,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Mon Oct 24 17:34:58 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|--------|---------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 164 | -0.02 | 3.50 |
| 2 | tertiary butyl alcohol | 1.344 | 1.384 | -3.0 | 172 | -0.02 | 3.60 |
| 3 T | Ethanol | 0.070 | 0.059 | 15.7 | 142 | 0.00 | 2.49 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 6.53 |
| 5 M | dichlorodifluoromethane | 0.724 | 0.802 | -10.8 | 103 | 0.00 | 1.50 |
| 6 P | chloromethane | 0.685 | 0.654 | 4.5 | 93 | -0.02 | 1.60 |
| 7 c | vinyl chloride | 0.763 | 0.648 | 15.1 | 83 | -0.02 | 1.71 |
| 8 M | bromomethane | 0.415 | 0.438 | -5.5 | 100 | -0.02 | 2.00 |
| 9 M | chloroethane | 0.361 | 0.373 | -3.3 | 101 | 0.00 | 2.10 |
| 10 M | ethyl ether | 0.424 | 0.458 | -8.0 | 111 | 0.00 | 2.59 |
| 11 M | acetonitrile | 0.921 | 0.973 | -5.6 | 102 | 0.00 | 3.27 |
| 12 M | trichlorofluoromethane | 0.857 | 0.872 | -1.8 | 100 | -0.01 | 2.33 |
| 13 M | freon-113 | 0.619 | 0.672 | -8.6 | 108 | 0.00 | 2.88 |
| 14 M | acrolein | 0.021 | 0.065 | -209.5# | 301# | 0.00 | 2.74 |
| 15 c | 1,1-dichloroethene | 0.544 | 0.614 | -12.9 | 111 | 0.00 | 2.84 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 29.596 | 40.8# | 56 | -0.02 | 2.89 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.653 | 0.963 | -47.5# | 154 | 0.00 | 3.26 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 18 M | methylene chloride | 50.000 | 51.903 | -3.8 | 107 | 0.00 | 3.44 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 19 M | methyl tert butyl ether | 1.492 | 1.824 | -22.3# | 121 | 0.00 | 3.81 |
| 20 M | acrylonitrile | 0.196 | 0.218 | -11.2 | 105 | 0.00 | 4.59 |
| 21 M | allyl chloride | 0.895 | 0.973 | -8.7 | 102 | 0.00 | 3.27 |
| 22 M | trans-1,2-dichloroethene | 0.623 | 0.660 | -5.9 | 103 | 0.00 | 3.81 |
| 23 M | iodomethane | 0.954 | 0.992 | -4.0 | 101 | 0.00 | 3.01 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 24 M | carbon disulfide | 50.000 | 47.805 | 4.4 | 102 | 0.00 | 3.09 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 25 M | propionitrile | 0.085 | 0.109 | -28.2# | 129 | -0.01 | 5.62 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 26 M | vinyl acetate | 50.000 | 43.924 | 12.2 | 90 | -0.01 | 4.51 |

Initial Calibration Verification

Job Number: MC5183 **Sample:** MSV126-ICV126
Account: GGSVAVB Global General Services **Lab FileID:** V2853.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|--------|--------|---------|-----|-------|------|
| 27 M | chloroprene | 0.979 | 1.088 | -11.1 | 105 | 0.00 | 4.59 |
| 28 M | di-isopropyl ether | 1.989 | 2.072 | -4.2 | 101 | -0.01 | 4.57 |
| 29 M | methacrylonitrile | 0.380 | 0.525 | -38.2# | 132 | 0.00 | 5.89 |
| 30 M | 2-butanone | 0.062 | 0.089 | -43.5# | 142 | 0.00 | 5.93 |
| 31 M | Hexane | 0.653 | 0.701 | -7.4 | 103 | 0.00 | 4.22 |
| 32 P | 1,1-dichloroethane | 1.183 | 1.233 | -4.2 | 103 | 0.00 | 4.48 |
| | | True | Calc. | % Drift | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 50.284 | -0.6 | 110 | 0.00 | 5.24 |
| | | AvgRF | CCRF | % Dev | | | |
| 34 M | isobutyl alcohol | 0.110 | 0.120 | -9.1 | 104 | 0.00 | 4.22 |
| | | True | Calc. | % Drift | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 48.664 | 2.7 | 105 | -0.01 | 5.51 |
| | | AvgRF | CCRF | % Dev | | | |
| 36 M | cis-1,2-dichloroethene | 0.695 | 0.719 | -3.5 | 102 | 0.00 | 5.50 |
| | | True | Calc. | % Drift | | | |
| 37 | ethyl acetate | | | NA | | | |
| | | AvgRF | CCRF | % Dev | | | |
| 38 M | bromochloromethane | 0.301 | 0.327 | -8.6 | 109 | 0.00 | 5.92 |
| 39 c | chloroform | 1.223 | 1.257 | -2.8 | 102 | 0.00 | 6.14 |
| 40 S | dibromofluoromethane (s) | 0.520 | 0.532 | -2.3 | 102 | 0.00 | 6.41 |
| 41 M | Tetrahydrofuran | 0.152 | 0.217 | -42.8# | 142 | 0.00 | 5.93 |
| | | True | Calc. | % Drift | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 48.182 | 3.6 | 104 | 0.00 | 6.38 |
| | | AvgRF | CCRF | % Dev | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 | 7.72 |
| 44 M | Cyclohexane | 0.827 | 0.820 | 0.8 | 104 | 0.00 | 6.49 |
| 45 M | carbon tetrachloride | 0.554 | 0.593 | -7.0 | 103 | 0.00 | 6.63 |
| 46 M | 1,1-dichloropropene | 0.612 | 0.644 | -5.2 | 104 | 0.00 | 6.65 |
| 47 M | benzene | 1.705 | 1.747 | -2.5 | 101 | 0.00 | 6.97 |
| 48 M | 1,2-dichloroethane | 0.616 | 0.678 | -10.1 | 110 | 0.00 | 7.10 |
| | | True | Calc. | % Drift | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 50.837 | -1.7 | 114 | 0.00 | 7.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 50 M | heptane | 0.628 | 0.699 | -11.3 | 104 | 0.00 | 7.53 |
| 51 M | trichloroethene | 0.450 | 0.472 | -4.9 | 103 | 0.00 | 8.01 |
| 52 c | 1,2-dichloropropane | 0.455 | 0.478 | -5.1 | 104 | 0.00 | 8.37 |
| 53 M | dibromomethane | 0.256 | 0.301 | -17.6 | 115 | 0.00 | 8.47 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 49.537 | 0.9 | 108 | 0.00 | 8.72 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.737 | 0.791 | -7.3 | 102 | 0.00 | 8.32 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | | | NA | | | |
| | | AvgRF | CCRF | % Dev | | | |

5.8.10 5

Initial Calibration Verification

Job Number: MC5183 **Sample:** MSV126-ICV126
Account: GGSVAVB Global General Services **Lab FileID:** V2853.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | |
|----|---|---------------------------|---------|---------|--------|-----|-------|-------|
| 57 | M | methyl methacrylate | 0.242 | 0.348 | -43.8# | 142 | 0.00 | 8.50 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 58 | M | 1,4-dioxane | 250.000 | 322.849 | -29.1# | 143 | -0.04 | 8.48 |
| 59 | M | cis-1,3-dichloropropene | 50.000 | 49.424 | 1.2 | 108 | 0.00 | 9.25 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 60 | S | toluene-d8 (s) | 1.371 | 1.387 | -1.2 | 102 | 0.00 | 9.54 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 61 | M | 4-methyl-2-pentanone | 50.000 | 70.115 | -40.2# | 149 | 0.00 | 9.44 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 62 | c | toluene | 1.082 | 1.102 | -1.8 | 102 | 0.00 | 9.62 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 63 | M | trans-1,3-dichloropropene | 50.000 | 56.082 | -12.2 | 127 | 0.00 | 9.91 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 64 | M | 1,1,2-trichloroethane | 0.323 | 0.374 | -15.8 | 115 | 0.00 | 10.11 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 65 | M | ethyl methacrylate | 50.000 | 58.149 | -16.3 | 126 | 0.00 | 9.99 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 11.08 |
| 67 | M | tetrachloroethene | 0.795 | 0.817 | -2.8 | 104 | 0.00 | 10.17 |
| 68 | M | 1,3-dichloropropane | 1.119 | 1.285 | -14.8 | 115 | 0.00 | 10.28 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 69 | M | dibromochloromethane | 50.000 | 53.355 | -6.7 | 120 | 0.00 | 10.50 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 70 | M | 1,2-dibromoethane | 0.624 | 0.784 | -25.6# | 124 | 0.00 | 10.61 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 71 | M | 2-hexanone | 50.000 | 54.338 | -8.7 | 116 | 0.00 | 10.35 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 72 | P | chlorobenzene | 1.954 | 1.971 | -0.9 | 102 | 0.00 | 11.11 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.629 | 0.688 | -9.4 | 104 | 0.00 | 11.21 |
| 74 | c | ethylbenzene | 3.463 | 3.614 | -4.4 | 102 | 0.00 | 11.21 |
| 75 | M | m,p-xylene | 1.306 | 1.338 | -2.5 | 101 | 0.00 | 11.34 |
| 76 | M | o-xylene | 1.256 | 1.311 | -4.4 | 102 | 0.00 | 11.71 |
| 77 | M | styrene | 2.084 | 2.275 | -9.2 | 105 | 0.00 | 11.73 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 78 | P | bromoform | 50.000 | 53.906 | -7.8 | 129 | 0.00 | 11.91 |
| 79 | M | trans-1,4-dichloro-2-bute | 50.000 | 69.445 | -38.9# | 155 | 0.00 | 12.13 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 13.31 |
| 81 | M | isopropylbenzene | 3.291 | 4.022 | -22.2# | 119 | 0.00 | 12.07 |
| 82 | S | bromofluorobenzene (s) | 1.078 | 1.070 | 0.7 | 102 | 0.00 | 12.23 |
| 83 | M | bromobenzene | 0.968 | 1.003 | -3.6 | 105 | 0.00 | 12.36 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.962 | 1.254 | -30.4# | 131 | 0.00 | 12.37 |
| | | ----- True | Calc. | % Drift | ----- | | | |

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Initial Calibration Verification

Job Number: MC5183 **Sample:** MSV126-ICV126
Account: GGSVAVB Global General Services **Lab FileID:** V2853.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|-------|---------------------------|--------|--------|---------|-----|------|-------|
| 85 M | 1,2,3-trichloropropane | 50.000 | 60.729 | -21.5# | 142 | 0.00 | 12.41 |
| | | AvgRF | CCRF | % Dev | | | |
| 86 M | n-propylbenzene | 4.547 | 4.829 | -6.2 | 102 | 0.00 | 12.46 |
| 87 M | 2-chlorotoluene | 2.898 | 2.896 | 0.1 | 100 | 0.00 | 12.54 |
| 88 M | 4-chlorotoluene | 3.304 | 3.403 | -3.0 | 103 | 0.00 | 12.65 |
| 89 M | 1,3,5-trimethylbenzene | 3.284 | 3.348 | -1.9 | 99 | 0.00 | 12.63 |
| 90 M | tert-butylbenzene | 1.920 | 2.012 | -4.8 | 103 | 0.00 | 12.92 |
| 91 M | 1,2,4-trimethylbenzene | 3.299 | 3.384 | -2.6 | 100 | 0.00 | 12.98 |
| 92 M | sec-butylbenzene | 4.147 | 4.426 | -6.7 | 103 | 0.00 | 13.13 |
| 93 M | 1,3-dichlorobenzene | 1.756 | 1.798 | -2.4 | 103 | 0.00 | 13.24 |
| 94 M | p-isopropyltoluene | 3.159 | 3.442 | -9.0 | 105 | 0.00 | 13.28 |
| 95 M | 1,4-dichlorobenzene | 1.815 | 1.818 | -0.2 | 102 | 0.00 | 13.33 |
| 96 M | 1,2-dichlorobenzene | 1.651 | 1.744 | -5.6 | 106 | 0.00 | 13.66 |
| 97 M | n-butylbenzene | 3.289 | 3.605 | -9.6 | 103 | 0.00 | 13.65 |
| | | True | Calc. | % Drift | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 63.894 | -27.8# | 160 | 0.00 | 14.38 |
| | | AvgRF | CCRF | % Dev | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.409 | 1.364 | 3.2 | 94 | 0.00 | 14.55 |
| 100 M | 1,2,4-trichlorobenzene | 1.241 | 1.399 | -12.7 | 110 | 0.00 | 15.14 |
| 101 M | hexachlorobutadiene | 0.769 | 0.803 | -4.4 | 105 | 0.00 | 15.28 |
| 102 M | naphthalene | 2.700 | 3.719 | -37.7# | 141 | 0.00 | 15.38 |
| 103 M | 1,2,3-trichlorobenzene | 1.213 | 1.363 | -12.4 | 113 | 0.00 | 15.59 |
| | | True | Calc. | % Drift | | | |
| 104 | 2-Methylnaphthalene | 25.000 | 65.075 | -160.3# | 315 | 0.00 | 16.51 |
| 105 | 1-Methylnaphthalene | 25.000 | 0.021 | 99.9# | 4 | 0.00 | 16.70 |

(20.2 %) 20 of 99 compounds' %D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 V2846.D v102411s.m Tue Oct 25 12:29:50 2011

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Continuing Calibration Summary

Job Number: MC5183 Sample: MSV136-CC126
 Account: GGSVAVB Global General Services Lab FileID: V3076.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3076.D Vial: 2
 Acq On : 4 Nov 2011 9:45 am Operator: AMYM
 Sample : ccl26-50 Inst : GCMS V
 Misc : MS24287,MSV136,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Mon Oct 24 17:34:58 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|------|--------------------------|--------|---------|-------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 122 | -0.01 | 3.51 |
| 2 | tertiary butyl alcohol | 1.344 | 1.405 | -4.5 | 130 | 0.00 | 3.61 |
| 3 T | Ethanol | 0.070 | 0.076 | -8.6 | 136 | 0.00 | 2.49 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 110 | 0.00 | 6.53 |
| 5 M | dichlorodifluoromethane | 0.724 | 0.480 | 33.7# | 68 | 0.00 | 1.51 |
| 6 P | chloromethane | 0.685 | 0.595 | 13.1 | 94 | -0.01 | 1.61 |
| 7 c | vinyl chloride | 0.763 | 0.695 | 8.9 | 98 | -0.01 | 1.72 |
| 8 M | bromomethane | 0.415 | 0.415 | 0.0 | 104 | 0.00 | 2.00 |
| 9 M | chloroethane | 0.361 | 0.356 | 1.4 | 106 | 0.00 | 2.10 |
| 10 M | ethyl ether | 0.424 | 0.440 | -3.8 | 118 | 0.00 | 2.59 |
| 11 M | acetonitrile | 0.921 | 0.982 | -6.6 | 114 | 0.00 | 3.28 |
| 12 M | trichlorofluoromethane | 0.857 | 0.899 | -4.9 | 114 | 0.00 | 2.34 |
| 13 M | freon-113 | 0.619 | 0.630 | -1.8 | 112 | 0.00 | 2.89 |
| 14 M | acrolein | 0.021 | 0.015 | 28.6# | 78 | 0.00 | 2.75 |
| 15 c | 1,1-dichloroethene | 0.544 | 0.548 | -0.7 | 109 | 0.00 | 2.85 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 16 M | acetone | 50.000 | 48.666 | 2.7 | 109 | 0.00 | 2.90 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 17 M | Methyl Acetate | 0.653 | 0.677 | -3.7 | 119 | 0.00 | 3.27 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 18 M | methylene chloride | 50.000 | 48.422 | 3.2 | 110 | 0.00 | 3.45 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 19 M | methyl tert butyl ether | 1.492 | 1.641 | -10.0 | 120 | 0.00 | 3.82 |
| 20 M | acrylonitrile | 0.196 | 0.219 | -11.7 | 117 | 0.00 | 4.59 |
| 21 M | allyl chloride | 0.895 | 0.982 | -9.7 | 114 | 0.00 | 3.28 |
| 22 M | trans-1,2-dichloroethene | 0.623 | 0.642 | -3.0 | 111 | 0.00 | 3.81 |
| 23 M | iodomethane | 0.954 | 0.980 | -2.7 | 110 | 0.00 | 3.02 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 24 M | carbon disulfide | 50.000 | 44.855 | 10.3 | 104 | 0.00 | 3.10 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 25 M | propionitrile | 0.085 | 0.092 | -8.2 | 120 | 0.00 | 5.62 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 26 M | vinyl acetate | 50.000 | 47.016 | 6.0 | 107 | 0.00 | 4.51 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV136-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3076.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|--------|--------|---------|-----|------|------|
| 27 M | chloroprene | 0.979 | 1.096 | -12.0 | 117 | 0.00 | 4.59 |
| 28 M | di-isopropyl ether | 1.989 | 2.241 | -12.7 | 120 | 0.00 | 4.58 |
| 29 M | methacrylonitrile | 0.380 | 0.443 | -16.6 | 123 | 0.00 | 5.89 |
| 30 M | 2-butanone | 0.062 | 0.069 | -11.3 | 121 | 0.00 | 5.93 |
| 31 M | Hexane | 0.653 | 0.654 | -0.2 | 106 | 0.00 | 4.22 |
| 32 P | 1,1-dichloroethane | 1.183 | 1.255 | -6.1 | 115 | 0.00 | 4.48 |
| | | True | Calc. | % Drift | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 49.531 | 0.9 | 119 | 0.00 | 5.24 |
| | | AvgRF | CCRF | % Dev | | | |
| 34 M | isobutyl alcohol | 0.110 | 0.109 | 0.9 | 104 | 0.00 | 4.22 |
| | | True | Calc. | % Drift | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 48.594 | 2.8 | 116 | 0.00 | 5.52 |
| | | AvgRF | CCRF | % Dev | | | |
| 36 M | cis-1,2-dichloroethene | 0.695 | 0.726 | -4.5 | 113 | 0.00 | 5.50 |
| | | True | Calc. | % Drift | | | |
| 37 | ethyl acetate | 50.000 | 50.555 | -1.1 | 121 | 0.00 | 7.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 38 M | bromochloromethane | 0.301 | 0.318 | -5.6 | 117 | 0.00 | 5.92 |
| 39 c | chloroform | 1.223 | 1.337 | -9.3 | 119 | 0.00 | 6.14 |
| 40 S | dibromofluoromethane (s) | 0.520 | 0.513 | 1.3 | 108 | 0.00 | 6.41 |
| 41 M | Tetrahydrofuran | 0.152 | 0.168 | -10.5 | 122 | 0.00 | 5.93 |
| | | True | Calc. | % Drift | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 50.489 | -1.0 | 121 | 0.00 | 6.38 |
| | | AvgRF | CCRF | % Dev | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 112 | 0.00 | 7.72 |
| 44 M | Cyclohexane | 0.827 | 0.792 | 4.2 | 111 | 0.00 | 6.49 |
| 45 M | carbon tetrachloride | 0.554 | 0.641 | -15.7 | 122 | 0.00 | 6.63 |
| 46 M | 1,1-dichloropropene | 0.612 | 0.646 | -5.6 | 115 | 0.00 | 6.65 |
| 47 M | benzene | 1.705 | 1.762 | -3.3 | 113 | 0.00 | 6.97 |
| 48 M | 1,2-dichloroethane | 0.616 | 0.671 | -8.9 | 120 | 0.00 | 7.10 |
| | | True | Calc. | % Drift | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 48.818 | 2.4 | 120 | 0.00 | 7.27 |
| | | AvgRF | CCRF | % Dev | | | |
| 50 M | heptane | 0.628 | 0.651 | -3.7 | 107 | 0.00 | 7.53 |
| 51 M | trichloroethene | 0.450 | 0.480 | -6.7 | 116 | 0.00 | 8.01 |
| 52 c | 1,2-dichloropropane | 0.455 | 0.483 | -6.2 | 115 | 0.00 | 8.36 |
| 53 M | dibromomethane | 0.256 | 0.280 | -9.4 | 118 | 0.00 | 8.47 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 50.763 | -1.5 | 122 | 0.00 | 8.72 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.737 | 0.776 | -5.3 | 110 | 0.00 | 8.31 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 56.086 | -12.2 | 136 | 0.00 | 9.10 |
| | | AvgRF | CCRF | % Dev | | | |

5.8.11
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Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV136-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3076.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|------|---------------------------|---------|---------|-------|-----|-------|-------|
| 57 M | methyl methacrylate | 0.242 | 0.270 | -11.6 | 121 | 0.00 | 8.50 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 58 M | 1,4-dioxane | 250.000 | 255.538 | -2.2 | 123 | -0.04 | 8.48 |
| 59 M | cis-1,3-dichloropropene | 50.000 | 48.746 | 2.5 | 117 | 0.00 | 9.25 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 60 S | toluene-d8 (s) | 1.371 | 1.344 | 2.0 | 109 | 0.00 | 9.54 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 61 M | 4-methyl-2-pentanone | 50.000 | 52.180 | -4.4 | 122 | 0.00 | 9.44 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 62 c | toluene | 1.082 | 1.136 | -5.0 | 116 | 0.00 | 9.61 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 63 M | trans-1,3-dichloropropene | 50.000 | 48.097 | 3.8 | 118 | 0.00 | 9.91 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 64 M | 1,1,2-trichloroethane | 0.323 | 0.353 | -9.3 | 120 | 0.00 | 10.11 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 65 M | ethyl methacrylate | 50.000 | 51.879 | -3.8 | 123 | 0.00 | 9.99 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 66 I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 115 | 0.00 | 11.07 |
| 67 M | tetrachloroethene | 0.795 | 0.822 | -3.4 | 117 | 0.00 | 10.17 |
| 68 M | 1,3-dichloropropane | 1.119 | 1.191 | -6.4 | 119 | 0.00 | 10.27 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 69 M | dibromochloromethane | 50.000 | 51.017 | -2.0 | 127 | 0.00 | 10.49 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 70 M | 1,2-dibromoethane | 0.624 | 0.678 | -8.7 | 119 | 0.00 | 10.60 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 71 M | 2-hexanone | 50.000 | 46.143 | 7.7 | 108 | 0.00 | 10.35 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 72 P | chlorobenzene | 1.954 | 2.036 | -4.2 | 118 | 0.00 | 11.10 |
| 73 M | 1,1,1,2-tetrachloroethane | 0.629 | 0.739 | -17.5 | 125 | 0.00 | 11.20 |
| 74 c | ethylbenzene | 3.463 | 3.725 | -7.6 | 117 | 0.00 | 11.21 |
| 75 M | m,p-xylene | 1.306 | 1.378 | -5.5 | 116 | 0.00 | 11.34 |
| 76 M | o-xylene | 1.256 | 1.365 | -8.7 | 118 | 0.00 | 11.71 |
| 77 M | styrene | 2.084 | 2.295 | -10.1 | 118 | 0.00 | 11.73 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 78 P | bromoform | 50.000 | 49.387 | 1.2 | 130 | 0.00 | 11.91 |
| 79 M | trans-1,4-dichloro-2-bute | 50.000 | 50.699 | -1.4 | 126 | 0.00 | 12.13 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 80 I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 118 | 0.00 | 13.31 |
| 81 M | isopropylbenzene | 3.291 | 3.572 | -8.5 | 121 | 0.00 | 12.07 |
| 82 S | bromofluorobenzene (s) | 1.078 | 1.111 | -3.1 | 121 | 0.00 | 12.23 |
| 83 M | bromobenzene | 0.968 | 1.006 | -3.9 | 120 | 0.00 | 12.36 |
| 84 P | 1,1,2,2-tetrachloroethane | 0.962 | 1.028 | -6.9 | 122 | 0.00 | 12.37 |
| | ----- True | Calc. | % Drift | ----- | | | |

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Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV136-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3076.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|-------|---------------------------|--------|---------|-------|-----|------|-------|
| 85 M | 1,2,3-trichloropropane | 50.000 | 47.713 | 4.6 | 127 | 0.00 | 12.41 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 86 M | n-propylbenzene | 4.547 | 4.888 | -7.5 | 118 | 0.00 | 12.46 |
| 87 M | 2-chlorotoluene | 2.898 | 3.003 | -3.6 | 119 | 0.00 | 12.54 |
| 88 M | 4-chlorotoluene | 3.304 | 3.429 | -3.8 | 118 | 0.00 | 12.65 |
| 89 M | 1,3,5-trimethylbenzene | 3.284 | 3.532 | -7.6 | 119 | 0.00 | 12.63 |
| 90 M | tert-butylbenzene | 1.920 | 2.100 | -9.4 | 122 | 0.00 | 12.92 |
| 91 M | 1,2,4-trimethylbenzene | 3.299 | 3.524 | -6.8 | 118 | 0.00 | 12.98 |
| 92 M | sec-butylbenzene | 4.147 | 4.529 | -9.2 | 120 | 0.00 | 13.13 |
| 93 M | 1,3-dichlorobenzene | 1.756 | 1.817 | -3.5 | 119 | 0.00 | 13.23 |
| 94 M | p-isopropyltoluene | 3.159 | 3.441 | -8.9 | 120 | 0.00 | 13.27 |
| 95 M | 1,4-dichlorobenzene | 1.815 | 1.852 | -2.0 | 119 | 0.00 | 13.33 |
| 96 M | 1,2-dichlorobenzene | 1.651 | 1.732 | -4.9 | 120 | 0.00 | 13.65 |
| 97 M | n-butylbenzene | 3.289 | 3.601 | -9.5 | 117 | 0.00 | 13.65 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 45.996 | 8.0 | 126 | 0.00 | 14.38 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.409 | 1.470 | -4.3 | 116 | 0.00 | 14.55 |
| 100 M | 1,2,4-trichlorobenzene | 1.241 | 1.309 | -5.5 | 118 | 0.00 | 15.13 |
| 101 M | hexachlorobutadiene | 0.769 | 0.822 | -6.9 | 122 | 0.00 | 15.27 |
| 102 M | naphthalene | 2.700 | 2.844 | -5.3 | 123 | 0.00 | 15.38 |
| 103 M | 1,2,3-trichlorobenzene | 1.213 | 1.280 | -5.5 | 121 | 0.00 | 15.58 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 104 | 2-Methylnaphthalene | 25.000 | 22.586 | 9.7 | 123 | 0.00 | 16.50 |
| 105 | 1-Methylnaphthalene | 25.000 | 22.664 | 9.3 | 122 | 0.00 | 16.69 |

(2.0 %) 2 of 101 compounds' %D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 V2846.D v102411s.m Fri Nov 04 15:21:23 2011

Continuing Calibration Summary

Job Number: MC5183 Sample: MSV137-CC126
 Account: GGSVAVB Global General Services Lab FileID: V3100.D
 Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3100.D Vial: 3
 Acq On : 6 Nov 2011 1:31 pm Operator: AMYM
 Sample : ccl26-50 Inst : GCMS V
 Misc : MS24287,MSV137,5,,,5,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Mon Oct 24 17:34:58 2011
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|--------------------------------|--------------------------|--------|--------|--------|-------|----------|------|
| 1 | tert butyl alcohol-d9 | 1.000 | 1.000 | 0.0 | 137 | -0.03 | 3.49 |
| 2 | tertiary butyl alcohol | 1.344 | 1.346 | -0.1 | 140 | -0.03 | 3.59 |
| 3 T | Ethanol | 0.070 | 0.064 | 8.6 | 128 | 0.00 | 2.48 |
| 4 I | pentafluorobenzene | 1.000 | 1.000 | 0.0 | 122 | -0.03 | 6.50 |
| 5 M | dichlorodifluoromethane | 0.724 | 0.808 | -11.6 | 127 | 0.00 | 1.51 |
| 6 P | chloromethane | 0.685 | 0.653 | 4.7 | 114 | -0.02 | 1.60 |
| 7 c | vinyl chloride | 0.763 | 0.669 | 12.3 | 105 | -0.02 | 1.72 |
| 8 M | bromomethane | 0.415 | 0.446 | -7.5 | 124 | -0.02 | 2.00 |
| 9 M | chloroethane | 0.361 | 0.372 | -3.0 | 123 | -0.01 | 2.09 |
| 10 M | ethyl ether | 0.424 | 0.420 | 0.9 | 124 | -0.01 | 2.58 |
| 11 M | acetonitrile | 0.921 | 0.981 | -6.5 | 126 | -0.02 | 3.26 |
| 12 M | trichlorofluoromethane | 0.857 | 0.886 | -3.4 | 124 | -0.01 | 2.33 |
| 13 M | freon-113 | 0.619 | 0.685 | -10.7 | 135 | -0.02 | 2.87 |
| 14 M | acrolein | 0.021 | 0.037 | -76.2# | 208# | -0.02 | 2.73 |
| 15 c | 1,1-dichloroethene | 0.544 | 0.613 | -12.7 | 135 | -0.02 | 2.84 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 16 M | acetone | 50.000 | 50.324 | -0.6 | 126 | -0.02 | 2.88 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 17 M | Methyl Acetate | 0.653 | 0.778 | -19.1 | 152 | -0.02 | 3.25 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 18 M | methylene chloride | 50.000 | 51.320 | -2.6 | 129 | -0.02 | 3.43 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 19 M | methyl tert butyl ether | 1.492 | 1.638 | -9.8 | 133 | -0.03 | 3.79 |
| 20 M | acrylonitrile | 0.196 | 0.223 | -13.8 | 132 | -0.03 | 4.57 |
| 21 M | allyl chloride | 0.895 | 0.978 | -9.3 | 125 | -0.02 | 3.26 |
| 22 M | trans-1,2-dichloroethene | 0.623 | 0.668 | -7.2 | 128 | -0.02 | 3.79 |
| 23 M | iodomethane | 0.954 | 1.059 | -11.0 | 132 | -0.01 | 3.00 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 24 M | carbon disulfide | 50.000 | 48.840 | 2.3 | 127 | -0.02 | 3.08 |
| ----- AvgRF CCRF % Dev ----- | | | | | | | |
| 25 M | propionitrile | 0.085 | 0.086 | -1.2 | 125 | -0.03 | 5.60 |
| ----- True Calc. % Drift ----- | | | | | | | |
| 26 M | vinyl acetate | 50.000 | 35.776 | 28.4# | 90 | -0.03 | 4.48 |

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV137-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3100.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | AvgRF | CCRF | % Dev | | | |
|------|---------------------------|--------|--------|---------|-----|-------|------|
| 27 M | chloroprene | 0.979 | 1.116 | -14.0 | 132 | -0.03 | 4.57 |
| 28 M | di-isopropyl ether | 1.989 | 2.106 | -5.9 | 125 | -0.03 | 4.55 |
| 29 M | methacrylonitrile | 0.380 | 0.410 | -7.9 | 125 | -0.03 | 5.86 |
| 30 M | 2-butanone | 0.062 | 0.067 | -8.1 | 130 | -0.03 | 5.91 |
| 31 M | Hexane | 0.653 | 0.672 | -2.9 | 121 | -0.03 | 4.20 |
| 32 P | 1,1-dichloroethane | 1.183 | 1.254 | -6.0 | 128 | -0.03 | 4.46 |
| | | True | Calc. | % Drift | | | |
| 33 M | tert-butyl ethyl ether | 50.000 | 49.164 | 1.7 | 131 | -0.04 | 5.22 |
| | | AvgRF | CCRF | % Dev | | | |
| 34 M | isobutyl alcohol | 0.110 | 0.113 | -2.7 | 120 | -0.03 | 4.20 |
| | | True | Calc. | % Drift | | | |
| 35 M | 2,2-dichloropropane | 50.000 | 49.415 | 1.2 | 131 | -0.04 | 5.49 |
| | | AvgRF | CCRF | % Dev | | | |
| 36 M | cis-1,2-dichloroethene | 0.695 | 0.735 | -5.8 | 127 | -0.03 | 5.47 |
| | | True | Calc. | % Drift | | | |
| 37 | ethyl acetate | 50.000 | 49.729 | 0.5 | 132 | -0.03 | 7.24 |
| | | AvgRF | CCRF | % Dev | | | |
| 38 M | bromochloromethane | 0.301 | 0.324 | -7.6 | 132 | -0.03 | 5.89 |
| 39 c | chloroform | 1.223 | 1.294 | -5.8 | 128 | -0.03 | 6.11 |
| 40 S | dibromofluoromethane (s) | 0.520 | 0.442 | 15.0 | 103 | -0.03 | 6.38 |
| 41 M | Tetrahydrofuran | 0.152 | 0.164 | -7.9 | 132 | -0.03 | 5.90 |
| | | True | Calc. | % Drift | | | |
| 42 M | 1,1,1-trichloroethane | 50.000 | 50.063 | -0.1 | 132 | -0.04 | 6.35 |
| | | AvgRF | CCRF | % Dev | | | |
| 43 I | 1,4-difluorobenzene | 1.000 | 1.000 | 0.0 | 124 | -0.03 | 7.70 |
| 44 M | Cyclohexane | 0.827 | 0.812 | 1.8 | 126 | -0.04 | 6.46 |
| 45 M | carbon tetrachloride | 0.554 | 0.639 | -15.3 | 135 | -0.03 | 6.61 |
| 46 M | 1,1-dichloropropene | 0.612 | 0.655 | -7.0 | 129 | -0.03 | 6.63 |
| 47 M | benzene | 1.705 | 1.774 | -4.0 | 126 | -0.03 | 6.94 |
| 48 M | 1,2-dichloroethane | 0.616 | 0.649 | -5.4 | 129 | -0.03 | 7.07 |
| | | True | Calc. | % Drift | | | |
| 49 M | tert-amyl methyl ether | 50.000 | 48.661 | 2.7 | 132 | -0.03 | 7.24 |
| | | AvgRF | CCRF | % Dev | | | |
| 50 M | heptane | 0.628 | 0.647 | -3.0 | 118 | -0.03 | 7.51 |
| 51 M | trichloroethene | 0.450 | 0.483 | -7.3 | 129 | -0.03 | 7.99 |
| 52 c | 1,2-dichloropropane | 0.455 | 0.479 | -5.3 | 127 | -0.03 | 8.34 |
| 53 M | dibromomethane | 0.256 | 0.277 | -8.2 | 130 | -0.03 | 8.45 |
| | | True | Calc. | % Drift | | | |
| 54 M | bromodichloromethane | 50.000 | 49.876 | 0.2 | 133 | -0.03 | 8.70 |
| | | AvgRF | CCRF | % Dev | | | |
| 55 M | Methylcyclohexane | 0.737 | 0.774 | -5.0 | 122 | -0.03 | 8.29 |
| | | True | Calc. | % Drift | | | |
| 56 M | 2-chloroethyl vinyl ether | 50.000 | 41.549 | 16.9 | 110 | -0.02 | 9.08 |
| | | AvgRF | CCRF | % Dev | | | |

5.8.12
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV137-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3100.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | | |
|----|---|---------------------------|---------|---------|-------|-----|-------|-------|
| 57 | M | methyl methacrylate | 0.242 | 0.272 | -12.4 | 135 | -0.03 | 8.48 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 58 | M | 1,4-dioxane | 250.000 | 239.607 | 4.2 | 127 | -0.06 | 8.46 |
| 59 | M | cis-1,3-dichloropropene | 50.000 | 49.246 | 1.5 | 131 | -0.02 | 9.23 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 60 | S | toluene-d8 (s) | 1.371 | 1.215 | 11.4 | 109 | -0.02 | 9.52 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 61 | M | 4-methyl-2-pentanone | 50.000 | 49.709 | 0.6 | 130 | -0.02 | 9.42 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 62 | c | toluene | 1.082 | 1.129 | -4.3 | 128 | -0.02 | 9.60 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 63 | M | trans-1,3-dichloropropene | 50.000 | 51.809 | -3.6 | 142 | -0.02 | 9.89 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 64 | M | 1,1,2-trichloroethane | 0.323 | 0.336 | -4.0 | 126 | -0.02 | 10.09 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 65 | M | ethyl methacrylate | 50.000 | 47.274 | 5.5 | 125 | -0.02 | 9.97 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 66 | I | chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 129 | -0.02 | 11.06 |
| 67 | M | tetrachloroethene | 0.795 | 0.836 | -5.2 | 133 | -0.02 | 10.15 |
| 68 | M | 1,3-dichloropropane | 1.119 | 1.151 | -2.9 | 128 | -0.02 | 10.26 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 69 | M | dibromochloromethane | 50.000 | 50.990 | -2.0 | 142 | -0.02 | 10.48 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 70 | M | 1,2-dibromoethane | 0.624 | 0.671 | -7.5 | 132 | -0.02 | 10.59 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 71 | M | 2-hexanone | 50.000 | 50.598 | -1.2 | 134 | -0.02 | 10.33 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 72 | P | chlorobenzene | 1.954 | 2.019 | -3.3 | 130 | -0.02 | 11.09 |
| 73 | M | 1,1,1,2-tetrachloroethane | 0.629 | 0.719 | -14.3 | 135 | -0.02 | 11.19 |
| 74 | c | ethylbenzene | 3.463 | 3.626 | -4.7 | 127 | -0.02 | 11.19 |
| 75 | M | m,p-xylene | 1.306 | 1.345 | -3.0 | 126 | -0.02 | 11.32 |
| 76 | M | o-xylene | 1.256 | 1.343 | -6.9 | 130 | -0.02 | 11.69 |
| 77 | M | styrene | 2.084 | 2.250 | -8.0 | 129 | -0.02 | 11.72 |
| | | ----- True | Calc. | % Drift | ----- | | | |
| 78 | P | bromoform | 50.000 | 47.732 | 4.5 | 140 | -0.02 | 11.89 |
| 79 | M | trans-1,4-dichloro-2-bute | 50.000 | 51.128 | -2.3 | 141 | -0.02 | 12.11 |
| | | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 80 | I | 1,4-dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 136 | -0.02 | 13.29 |
| 81 | M | isopropylbenzene | 3.291 | 3.750 | -13.9 | 145 | -0.02 | 12.05 |
| 82 | S | bromofluorobenzene (s) | 1.078 | 1.268 | -17.6 | 158 | -0.02 | 12.22 |
| 83 | M | bromobenzene | 0.968 | 0.961 | 0.7 | 131 | -0.02 | 12.34 |
| 84 | P | 1,1,2,2-tetrachloroethane | 0.962 | 0.929 | 3.4 | 127 | -0.02 | 12.35 |
| | | ----- True | Calc. | % Drift | ----- | | | |

5.8.12
5

Continuing Calibration Summary

Job Number: MC5183 **Sample:** MSV137-CC126
Account: GGSVAVB Global General Services **Lab FileID:** V3100.D
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

| | | | | | | | |
|-------|---------------------------|--------|---------|--------|-----|-------|-------|
| 85 M | 1,2,3-trichloropropane | 50.000 | 43.890 | 12.2 | 133 | -0.02 | 12.40 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 86 M | n-propylbenzene | 4.547 | 4.514 | 0.7 | 125 | -0.02 | 12.44 |
| 87 M | 2-chlorotoluene | 2.898 | 2.780 | 4.1 | 126 | -0.02 | 12.52 |
| 88 M | 4-chlorotoluene | 3.304 | 3.211 | 2.8 | 127 | -0.02 | 12.64 |
| 89 M | 1,3,5-trimethylbenzene | 3.284 | 3.206 | 2.4 | 123 | -0.02 | 12.62 |
| 90 M | tert-butylbenzene | 1.920 | 1.928 | -0.4 | 128 | -0.02 | 12.91 |
| 91 M | 1,2,4-trimethylbenzene | 3.299 | 3.239 | 1.8 | 124 | -0.02 | 12.96 |
| 92 M | sec-butylbenzene | 4.147 | 4.139 | 0.2 | 125 | -0.02 | 13.11 |
| 93 M | 1,3-dichlorobenzene | 1.756 | 1.708 | 2.7 | 128 | -0.02 | 13.22 |
| 94 M | p-isopropyltoluene | 3.159 | 3.241 | -2.6 | 129 | -0.02 | 13.26 |
| 95 M | 1,4-dichlorobenzene | 1.815 | 1.732 | 4.6 | 127 | -0.02 | 13.32 |
| 96 M | 1,2-dichlorobenzene | 1.651 | 1.636 | 0.9 | 130 | -0.02 | 13.64 |
| 97 M | n-butylbenzene | 3.289 | 3.200 | 2.7 | 119 | -0.02 | 13.63 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 98 M | 1,2-dibromo-3-chloropropa | 50.000 | 43.386 | 13.2 | 135 | -0.02 | 14.36 |
| | ----- AvgRF | CCRF | % Dev | ----- | | | |
| 99 M | 1,3,5-trichlorobenzene | 1.409 | 1.290 | 8.4 | 117 | -0.02 | 14.53 |
| 100 M | 1,2,4-trichlorobenzene | 1.241 | 1.228 | 1.0 | 127 | -0.02 | 15.11 |
| 101 M | hexachlorobutadiene | 0.769 | 0.759 | 1.3 | 129 | -0.02 | 15.25 |
| 102 M | naphthalene | 2.700 | 2.696 | 0.1 | 133 | -0.02 | 15.36 |
| 103 M | 1,2,3-trichlorobenzene | 1.213 | 1.179 | 2.8 | 128 | -0.03 | 15.56 |
| | ----- True | Calc. | % Drift | ----- | | | |
| 104 | 2-Methylnaphthalene | 25.000 | 40.923 | -63.7# | 258 | -0.03 | 16.47 |
| 105 | 1-Methylnaphthalene | 25.000 | 3.598 | 85.6# | 27 | -0.04 | 16.66 |

(4.0 %) 4 of 101 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 V2846.D v102411s.m Mon Nov 07 14:58:12 2011

5.8.12 5

GC/MS Volatiles

Raw Data

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3111.D
Acq On : 6 Nov 2011 7:29 pm
Operator : AMYM
Sample : mc5183-1
Misc : MS24312,MSV137,7.30,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 15:01:27 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration

Table with columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min), Qvalue. Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, etc.), System Monitoring Compounds (dibromofluoromethane, toluene-d8, etc.), and Target Compounds (acetone, carbon disulfide, etc.).

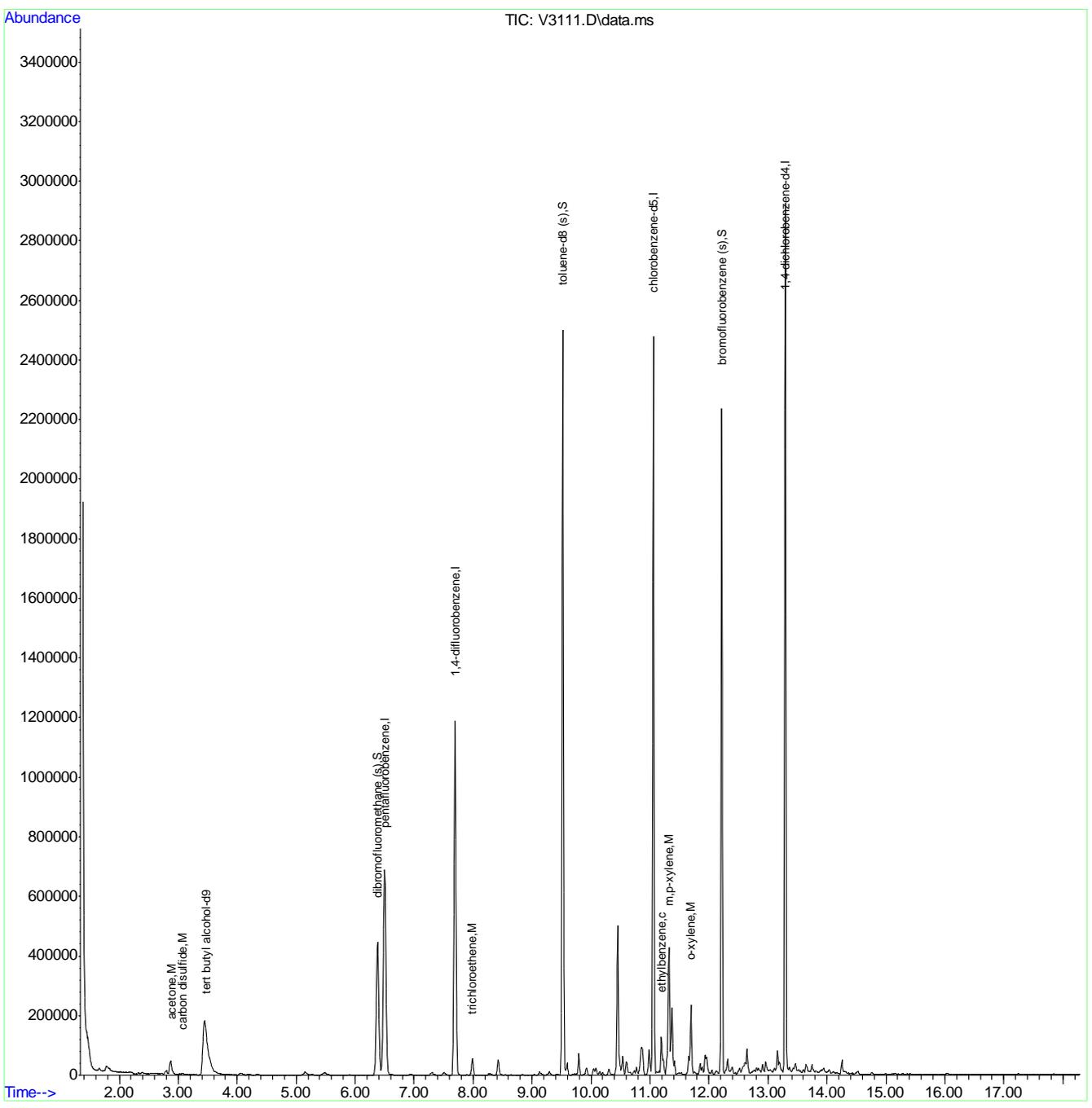
(#) = qualifier out of range (m) = manual integration (+) = signals summed

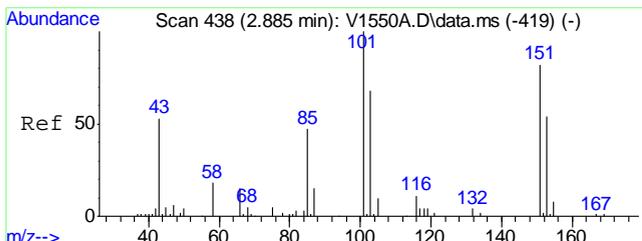
6.1.1 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3111.D
Acq On : 6 Nov 2011 7:29 pm
Operator : AMYM
Sample : mc5183-1
Misc : MS24312,MSV137,7.30,,,5,1
ALS Vial : 14 Sample Multiplier: 1

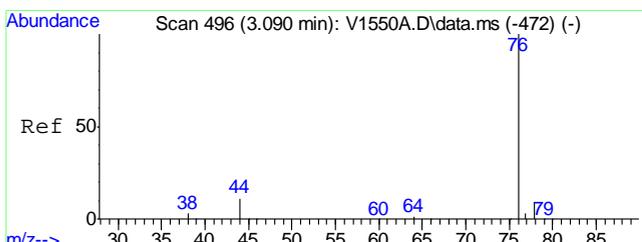
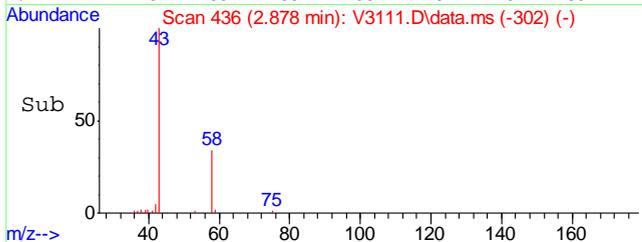
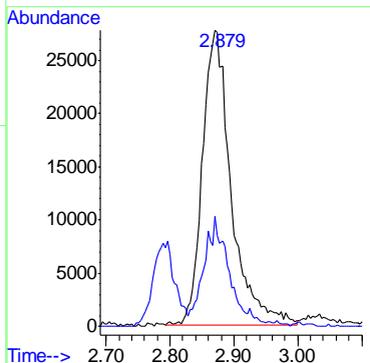
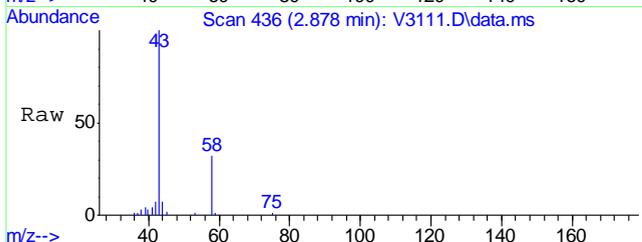
Quant Time: Nov 07 15:01:27 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





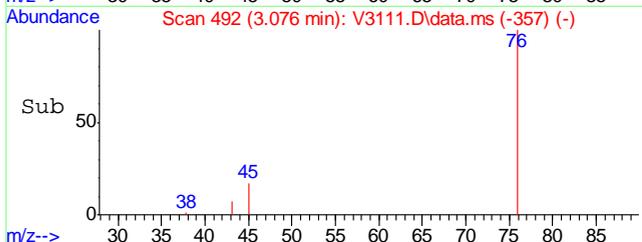
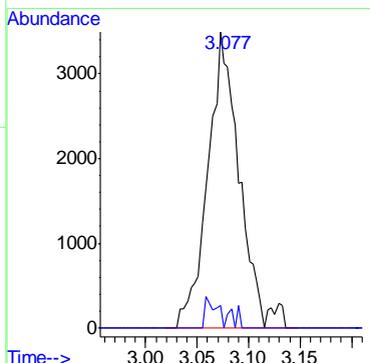
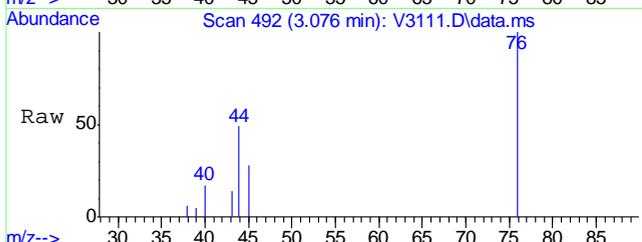
#16
acetone
Concen: 17.50 ug/L
RT: 2.879 min Scan# 436
Delta R.T. -0.025 min
Lab File: V3111.D
Acq: 6 Nov 2011 7:29 pm

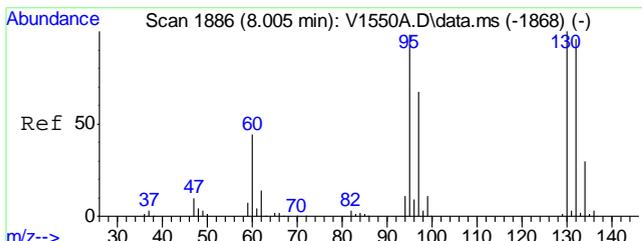
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 30.9 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 4.16 ug/L
RT: 3.077 min Scan# 492
Delta R.T. -0.023 min
Lab File: V3111.D
Acq: 6 Nov 2011 7:29 pm

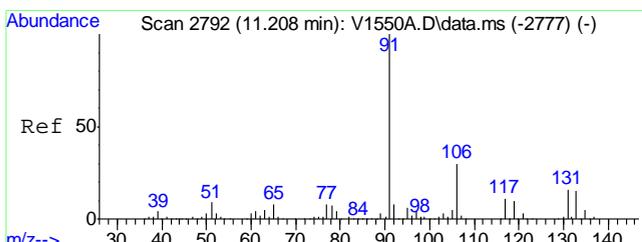
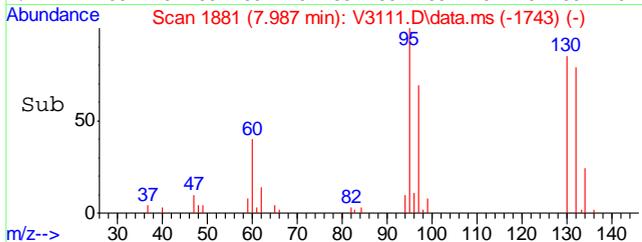
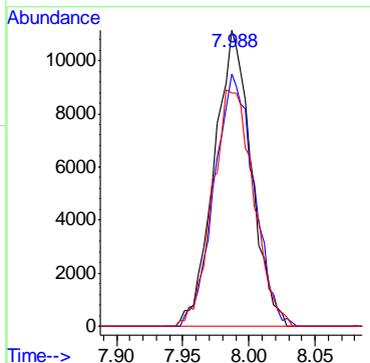
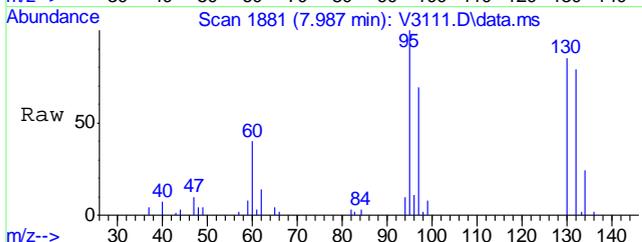
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 76 | 100 | | |
| 78 | 0.0 | 0.0 | 39.1 |





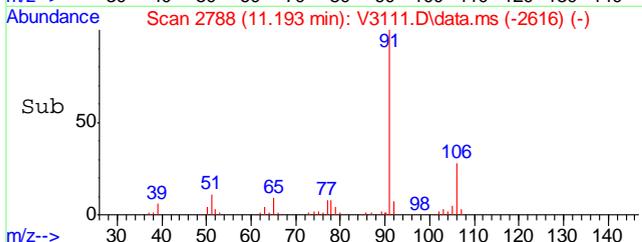
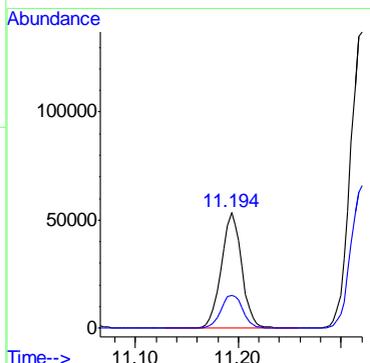
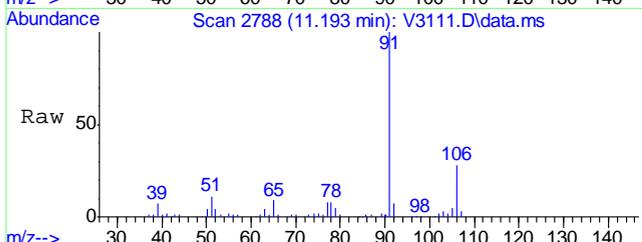
#51
trichloroethene
Concen: 2.16 ug/L
RT: 7.988 min Scan# 1881
Delta R.T. -0.029 min
Lab File: V3111.D
Acq: 6 Nov 2011 7:29 pm

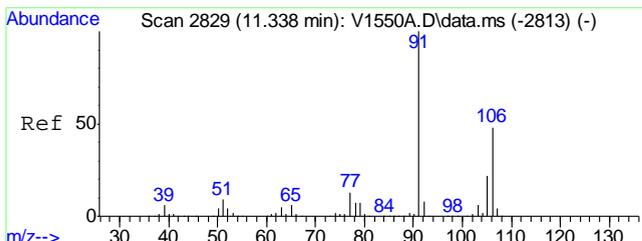
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 21728 | 100 | |
| 130 | 85.4 | 71.8 | 131.8 |
| 132 | 78.9 | 67.7 | 127.7 |



#74
ethylbenzene
Concen: 1.53 ug/L
RT: 11.194 min Scan# 2788
Delta R.T. -0.021 min
Lab File: V3111.D
Acq: 6 Nov 2011 7:29 pm

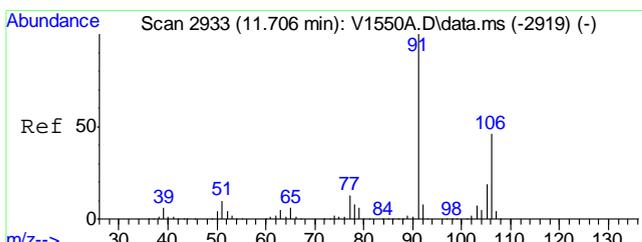
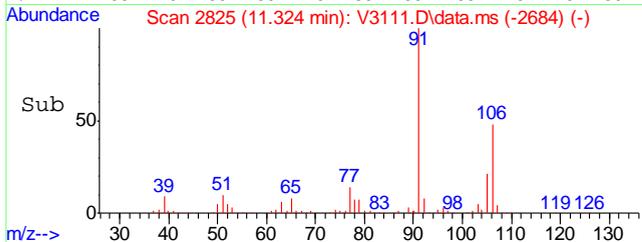
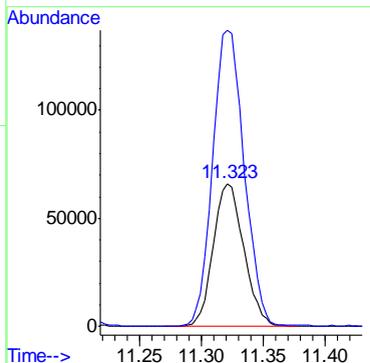
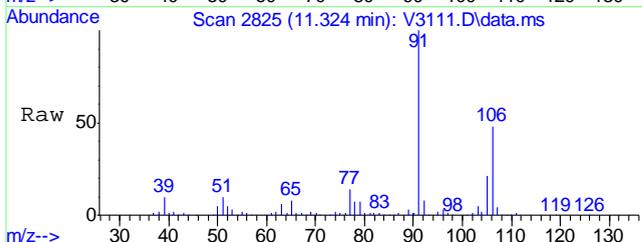
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 91 | 73824 | 100 | |
| 106 | 28.3 | 0.0 | 59.7 |





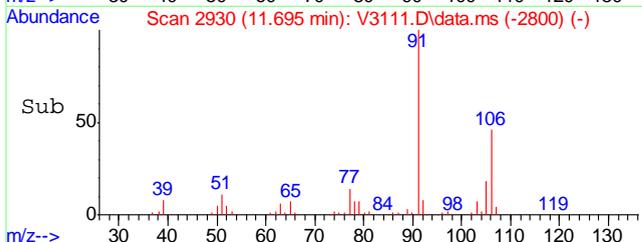
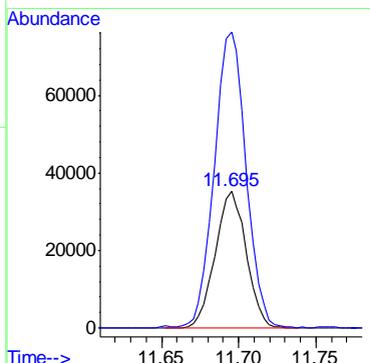
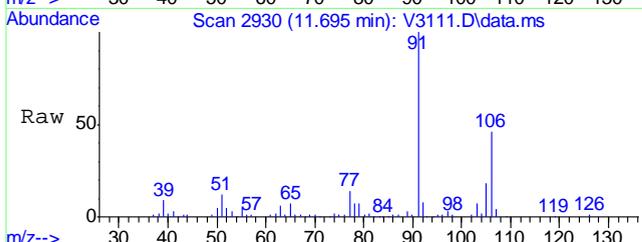
#75
 m,p-xylene
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 RT: 11.323 min Scan# 2825
 Delta R.T. -0.024 min
 Lab File: V3111.D
 Acq: 6 Nov 2011 7:29 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 106 | 113525 | | |
| 106 | 100 | | |
| 91 | 210.5 | 180.1 | 240.1 |



#76
 o-xylene
 Concen: 2.82 ug/L
 RT: 11.695 min Scan# 2930
 Delta R.T. -0.020 min
 Lab File: V3111.D
 Acq: 6 Nov 2011 7:29 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 49302 | | |
| 106 | 100 | | |
| 91 | 215.4 | 189.0 | 249.0 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3112.D
 Acq On : 6 Nov 2011 8:00 pm
 Operator : AMYM
 Sample : mc5183-2
 Misc : MS24312,MSV137,6.95,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 07 15:03:15 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

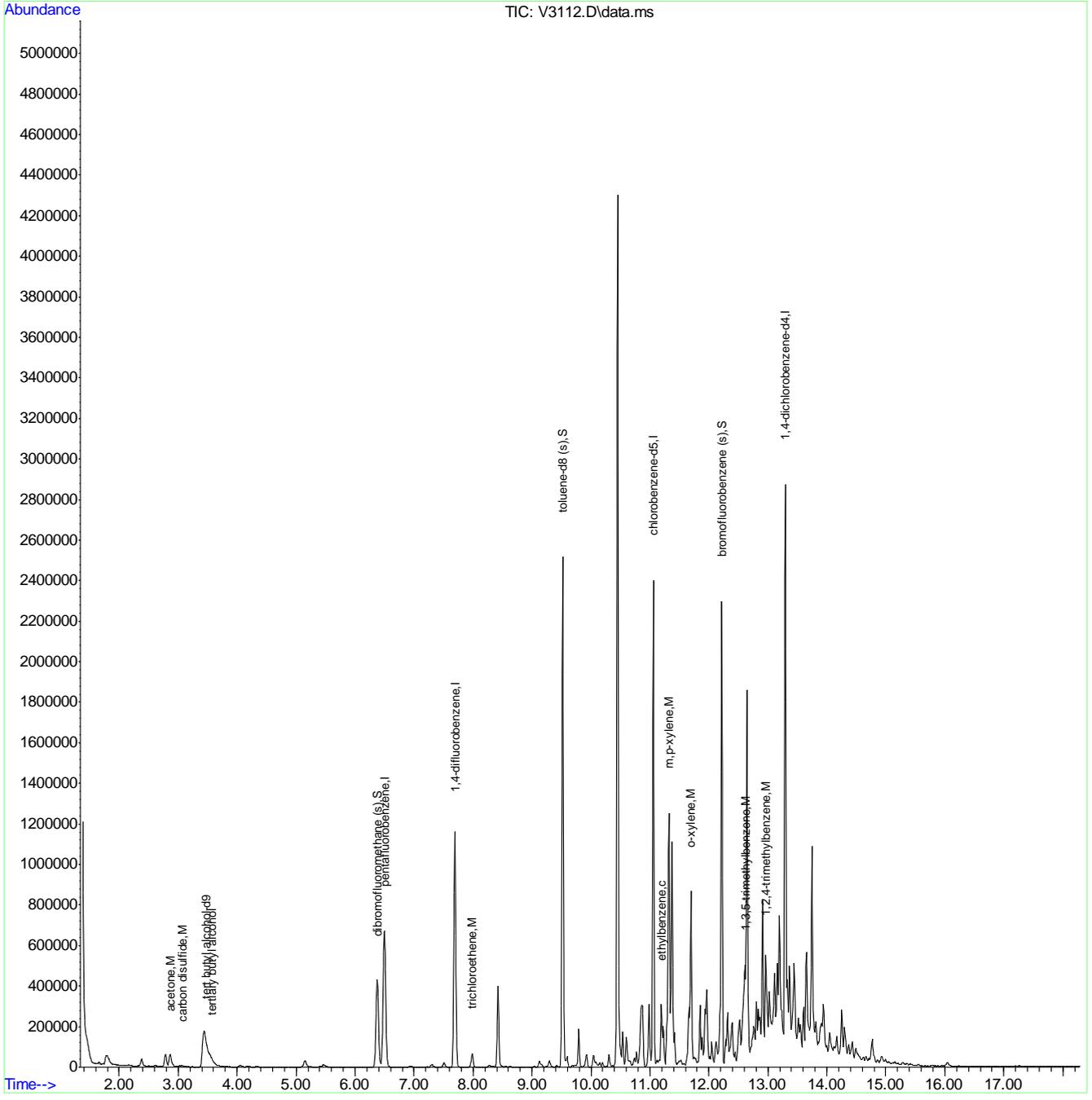
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.475 | 65 | 402229 | 500.00 | ug/L | -0.04 | |
| 4) pentafluorobenzene | 6.497 | 168 | 713571 | 50.00 | ug/L | -0.04 | |
| 43) 1,4-difluorobenzene | 7.692 | 114 | 1101629 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.056 | 82 | 678343 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.293 | 152 | 585209 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.377 | 113 | 388390 | 52.38 | ug/L | -0.04 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.76% | |
| 60) toluene-d8 (s) | 9.519 | 98 | 1558086 | 51.57 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.14% | |
| 82) bromofluorobenzene (s) | 12.216 | 95 | 609179 | 48.28 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.56% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.576 | 59 | 57460 | 53.16 | ug/L | | 96 |
| 16) acetone | 2.871 | 43 | 113070 | 21.93 | ug/L | | 98 |
| 24) carbon disulfide | 3.070 | 76 | 10194 | 4.25 | ug/L | | 97 |
| 51) trichloroethene | 7.985 | 95 | 26962 | 2.72 | ug/L | | 84 |
| 74) ethylbenzene | 11.194 | 91 | 176189 | 3.75 | ug/L | | 100 |
| 75) m,p-xylene | 11.322 | 106 | 336365 | 18.99 | ug/L | | 96 |
| 76) o-xylene | 11.695 | 106 | 178048 | 10.45 | ug/L | | 98 |
| 89) 1,3,5-trimethylbenzene | 12.617 | 105 | 39175 | 1.02 | ug/L | | 100 |
| 91) 1,2,4-trimethylbenzene | 12.961 | 105 | 168554 | 4.36 | ug/L | | 98 |

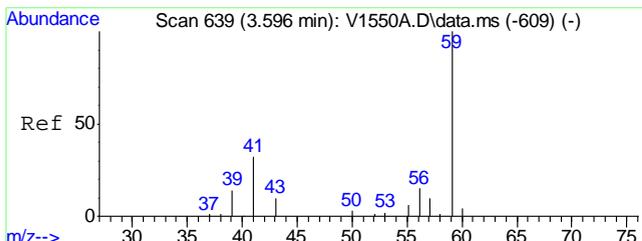
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3112.D
Acq On : 6 Nov 2011 8:00 pm
Operator : AMYM
Sample : mc5183-2
Misc : MS24312,MSV137,6.95,,,5,1
ALS Vial : 15 Sample Multiplier: 1

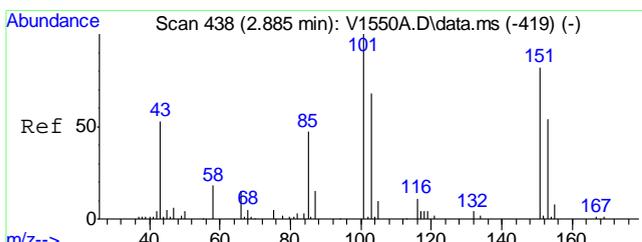
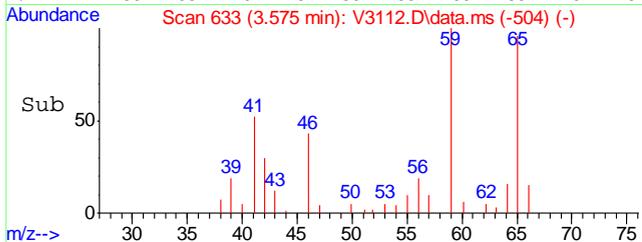
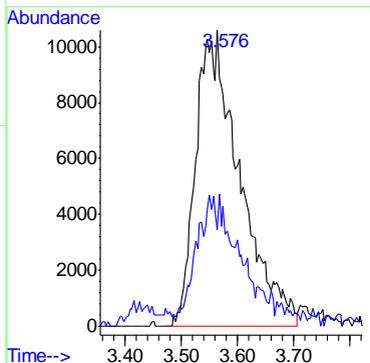
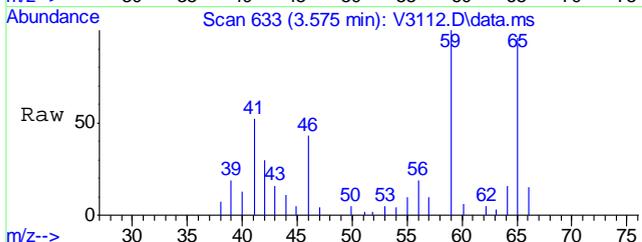
Quant Time: Nov 07 15:03:15 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





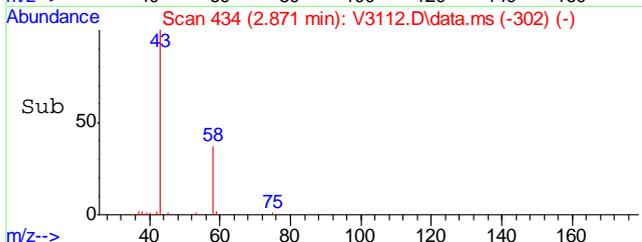
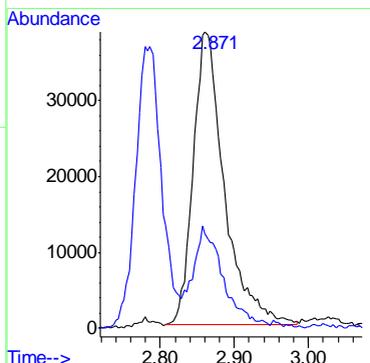
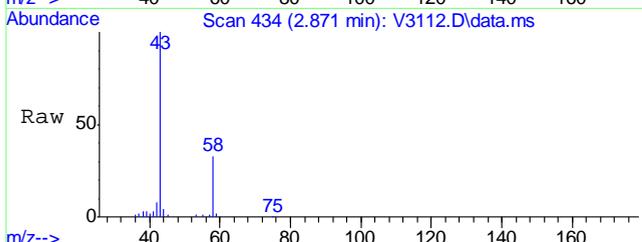
#2
 tertiary butyl alcohol
 Concen: 53.16 ug/L
 RT: 3.576 min Scan# 633
 Delta R.T. -0.044 min
 Lab File: V3112.D
 Acq: 6 Nov 2011 8:00 pm

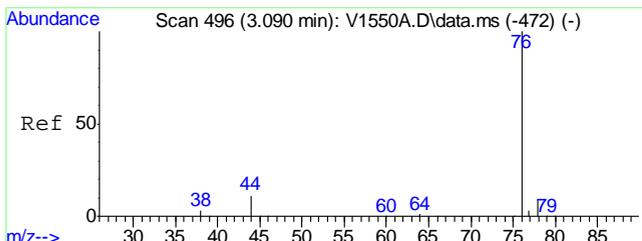
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 59 | 57460 | 100 | |
| 41 | 34.8 | 26.0 | 48.4 |



#16
 acetone
 Concen: 21.93 ug/L
 RT: 2.871 min Scan# 434
 Delta R.T. -0.033 min
 Lab File: V3112.D
 Acq: 6 Nov 2011 8:00 pm

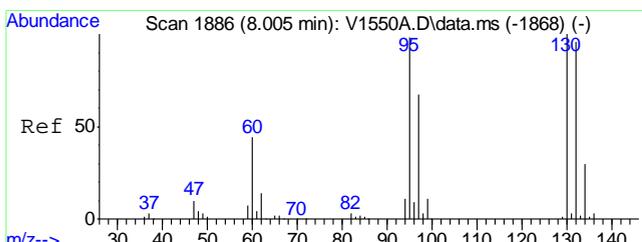
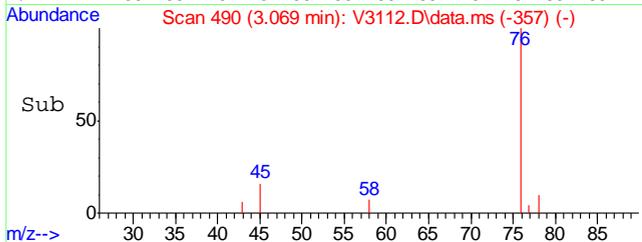
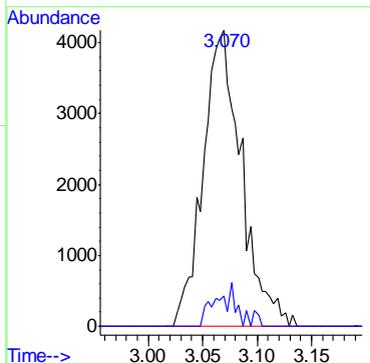
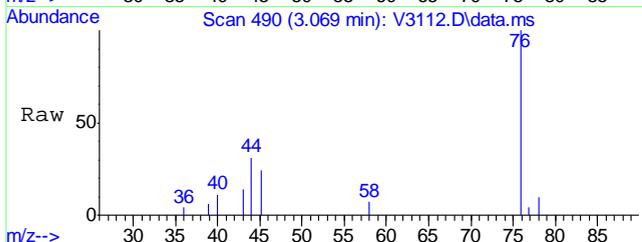
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 43 | 113070 | 100 | |
| 58 | 33.2 | 4.3 | 64.3 |





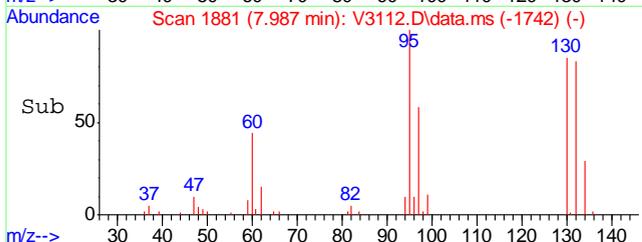
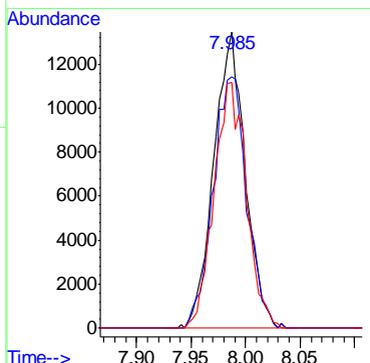
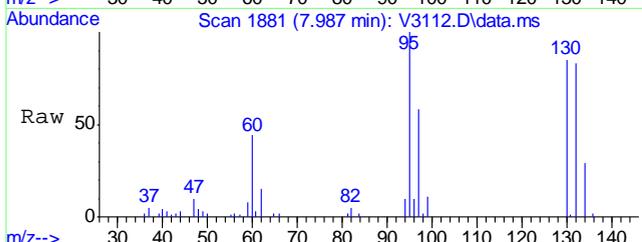
#24
carbon disulfide
Concen: 4.25 ug/L
RT: 3.070 min Scan# 490
Delta R.T. -0.030 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

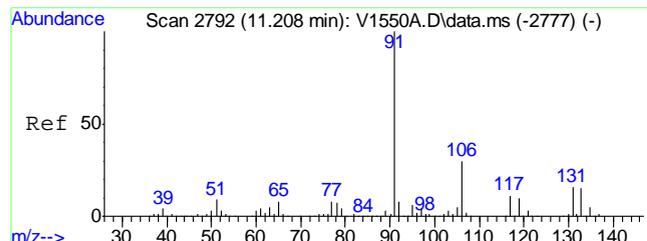
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 10194 | | |
| 78 | 10.2 | 0.0 | 39.1 |



#51
trichloroethene
Concen: 2.72 ug/L
RT: 7.985 min Scan# 1881
Delta R.T. -0.032 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

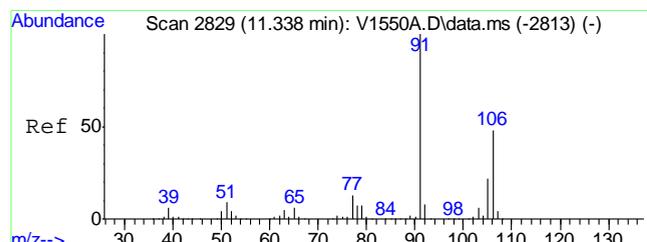
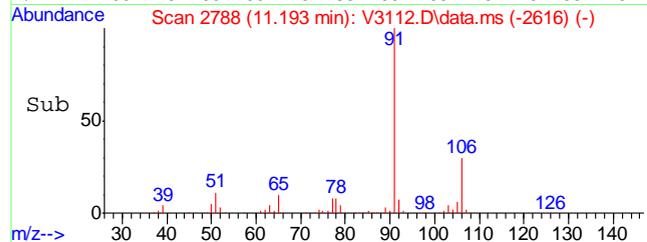
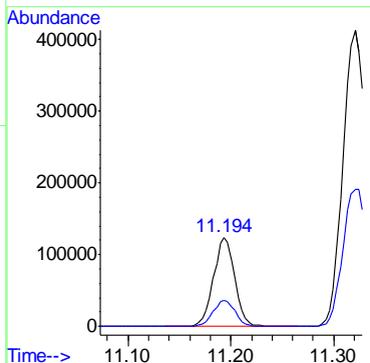
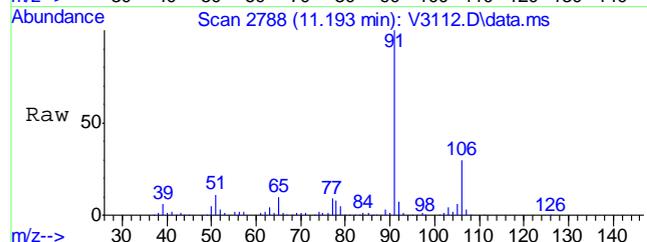
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 26962 | | |
| 130 | 84.9 | 71.8 | 131.8 |
| 132 | 83.1 | 67.7 | 127.7 |





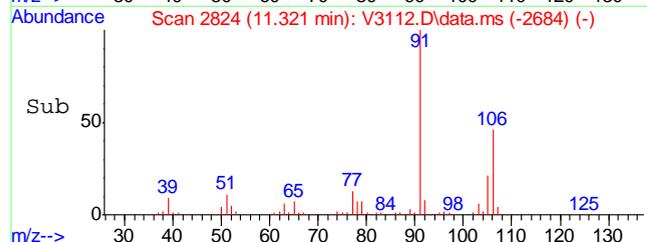
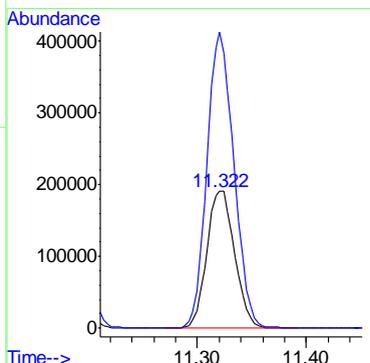
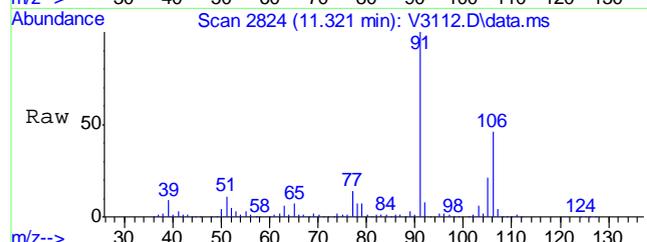
#74
ethylbenzene
Concen: 3.75 ug/L
RT: 11.194 min Scan# 2788
Delta R.T. -0.021 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

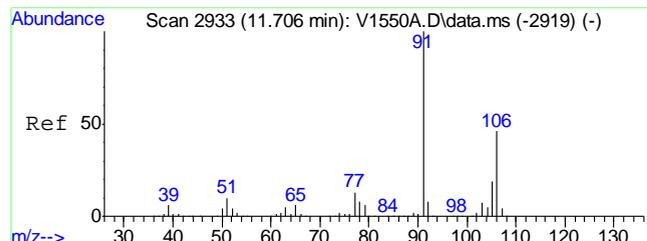
| | | | |
|-----------|------|-------|--------|
| Tgt Ion: | 91 | Resp: | 176189 |
| Ion Ratio | 100 | Lower | Upper |
| 91 | 100 | | |
| 106 | 29.7 | 0.0 | 59.7 |



#75
m,p-xylene
Concen: 18.99 ug/L
RT: 11.322 min Scan# 2824
Delta R.T. -0.025 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

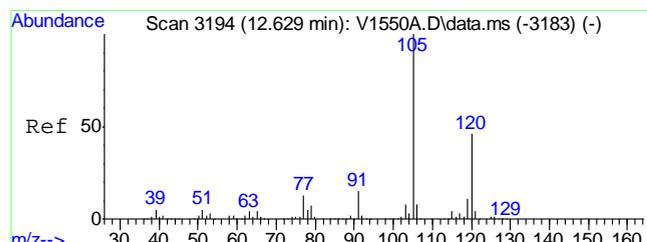
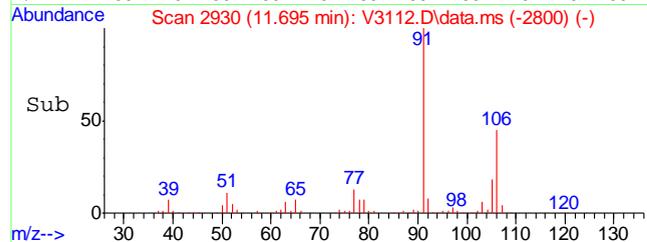
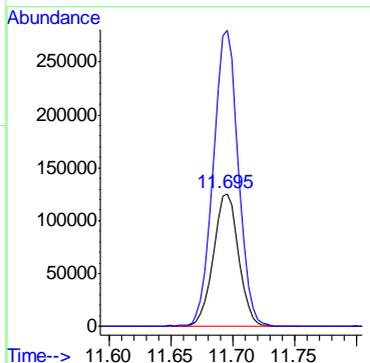
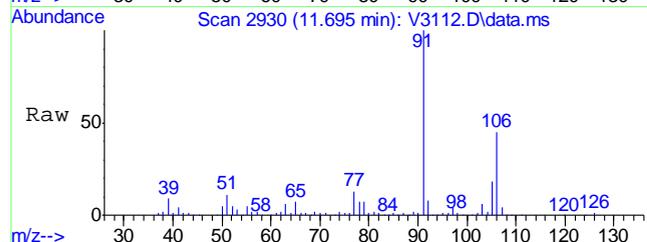
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 106 | Resp: | 336365 |
| Ion Ratio | 100 | Lower | Upper |
| 106 | 100 | | |
| 91 | 216.8 | 180.1 | 240.1 |





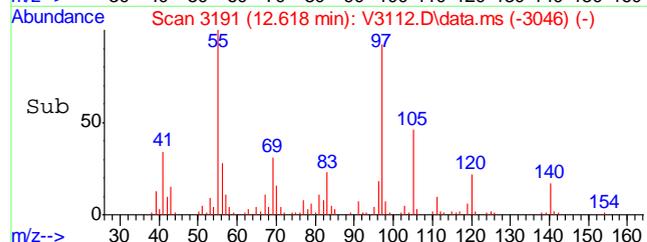
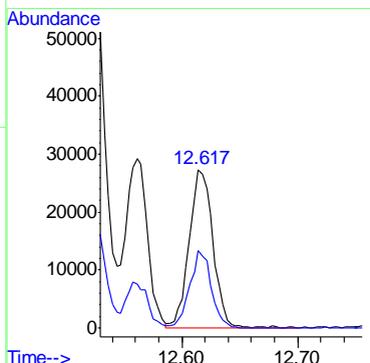
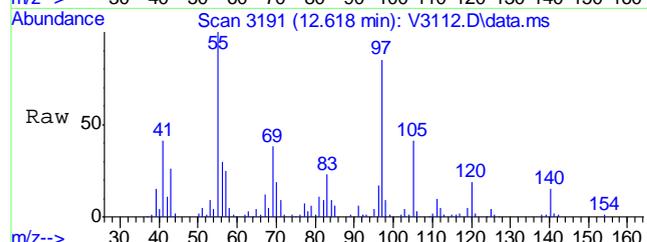
#76
o-xylene
Concen: 10.45 ug/L
RT: 11.695 min Scan# 2930
Delta R.T. -0.020 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

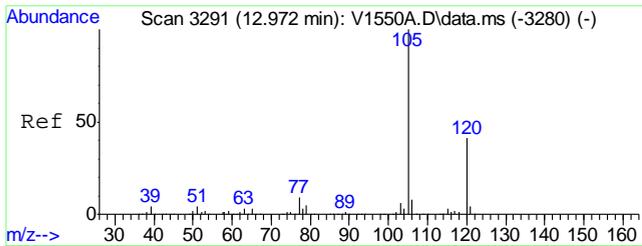
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 106 | 178048 | | |
| 106 | 100 | | |
| 91 | 222.4 | 189.0 | 249.0 |



#89
1,3,5-trimethylbenzene
Concen: 1.02 ug/L
RT: 12.617 min Scan# 3191
Delta R.T. -0.019 min
Lab File: V3112.D
Acq: 6 Nov 2011 8:00 pm

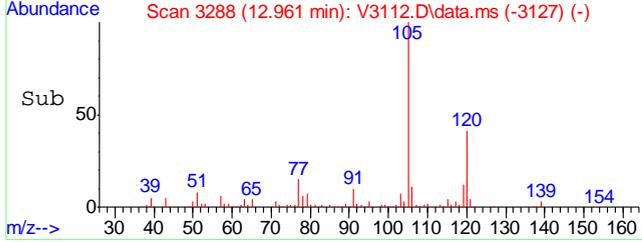
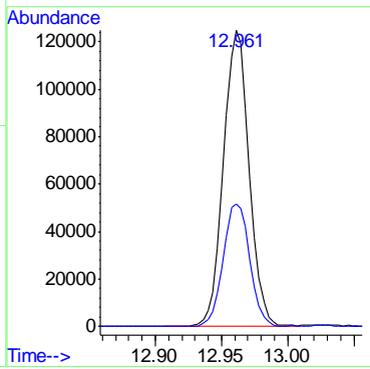
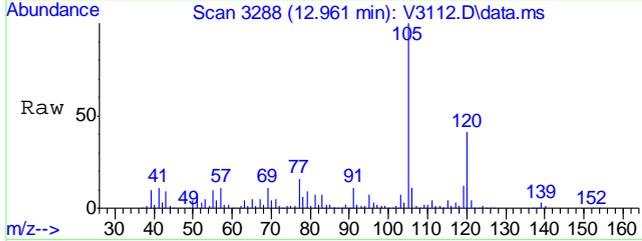
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 105 | 39175 | | |
| 105 | 100 | | |
| 120 | 46.4 | 16.4 | 76.4 |





#91
 1,2,4-trimethylbenzene
 Concen: 4.36 ug/L
 RT: 12.961 min Scan# 3288
 Delta R.T. -0.020 min
 Lab File: V3112.D
 Acq: 6 Nov 2011 8:00 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 105 | 168554 | | |
| 120 | 41.4 | 12.6 | 72.6 |



6.12
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3113.D
 Acq On : 6 Nov 2011 8:30 pm
 Operator : AMYM
 Sample : mc5183-3
 Misc : MS24312,MSV137,7.21,,,5,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 07 15:04:12 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

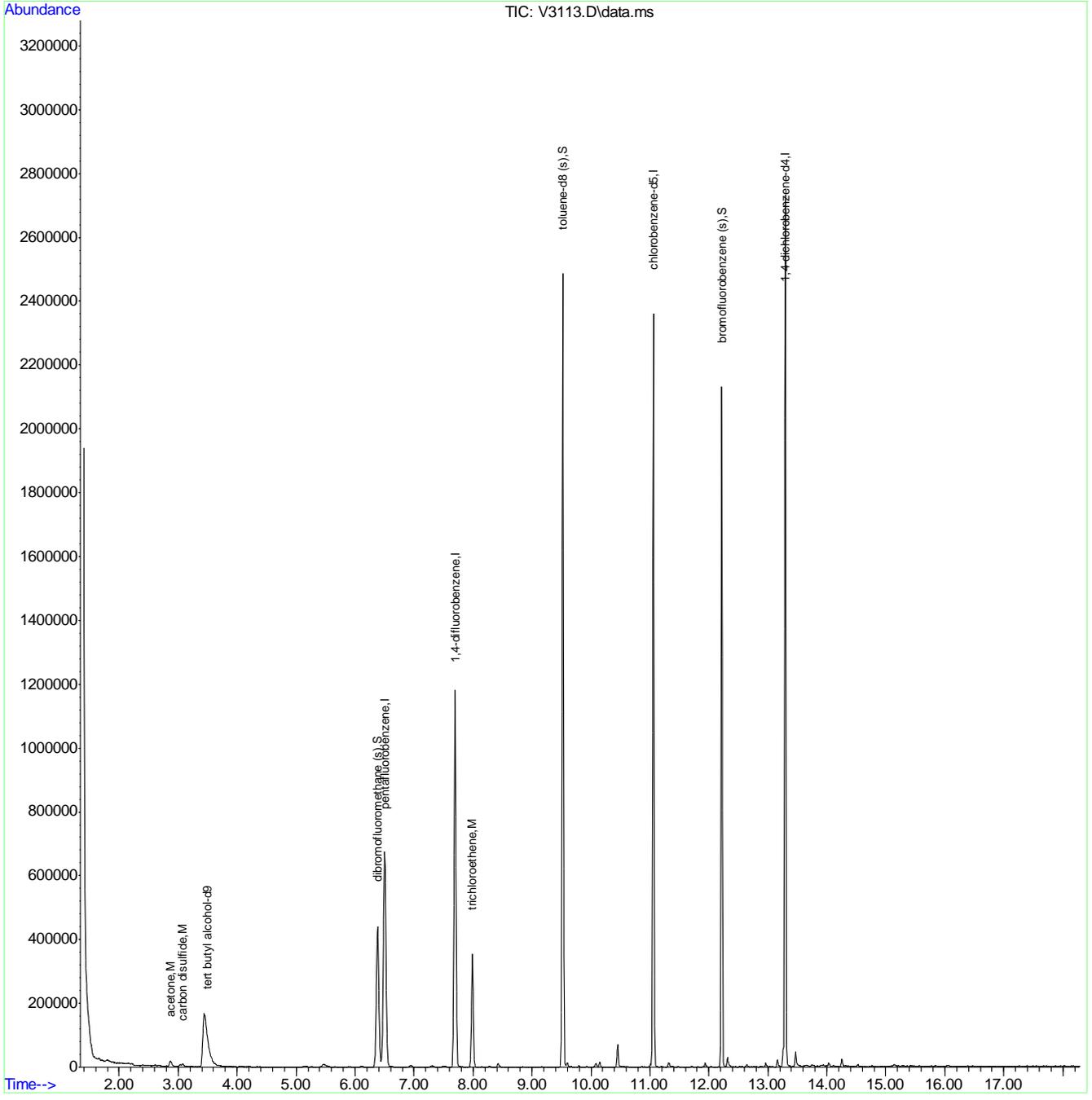
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.485 | 65 | 375318 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.503 | 168 | 714961 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.695 | 114 | 1094263 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.057 | 82 | 661011 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.294 | 152 | 607076 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.382 | 113 | 393040 | 52.90 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 105.80% | |
| 60) toluene-d8 (s) | 9.521 | 98 | 1540033 | 51.32 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.64% | |
| 82) bromofluorobenzene (s) | 12.217 | 95 | 600641 | 45.89 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 91.78% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.876 | 43 | 33442 | 10.53 | ug/L | | Qvalue 90 |
| 24) carbon disulfide | 3.078 | 76 | 11533 | 4.29 | ug/L | | 76 |
| 51) trichloroethene | 7.988 | 95 | 140769 | 14.28 | ug/L | | 94 |

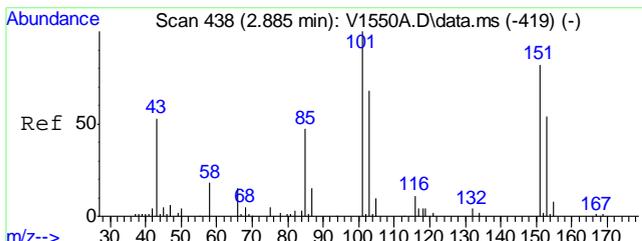
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3113.D
Acq On : 6 Nov 2011 8:30 pm
Operator : AMYM
Sample : mc5183-3
Misc : MS24312,MSV137,7.21,,,5,1
ALS Vial : 16 Sample Multiplier: 1

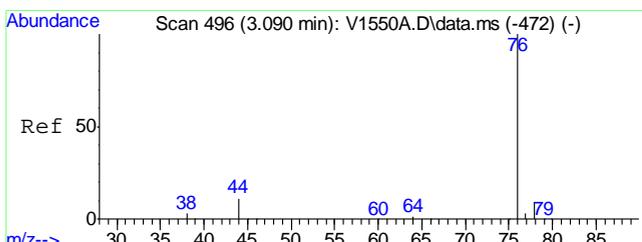
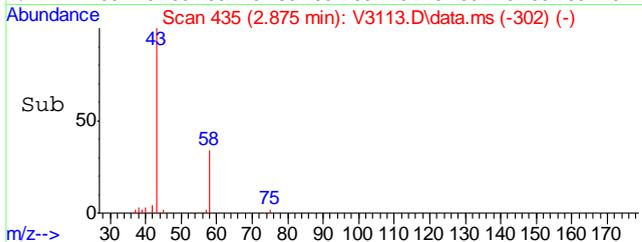
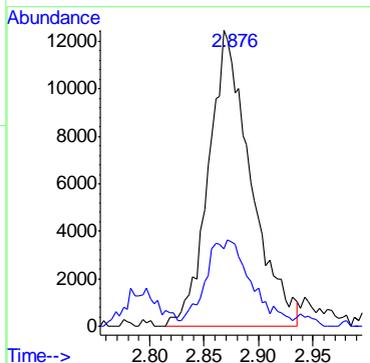
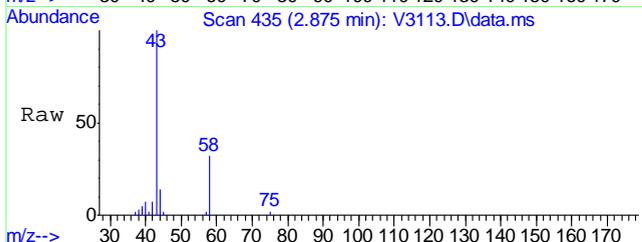
Quant Time: Nov 07 15:04:12 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





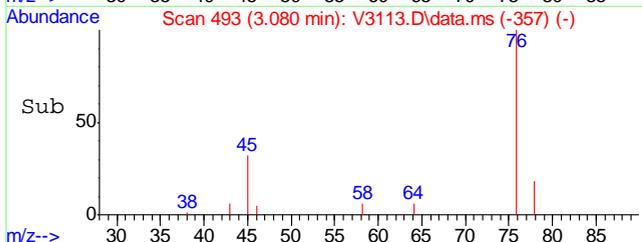
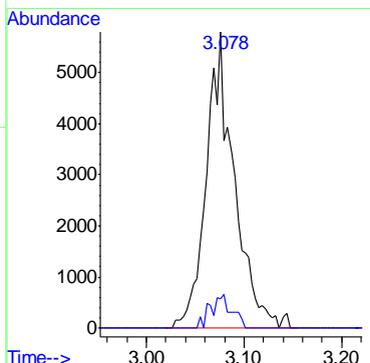
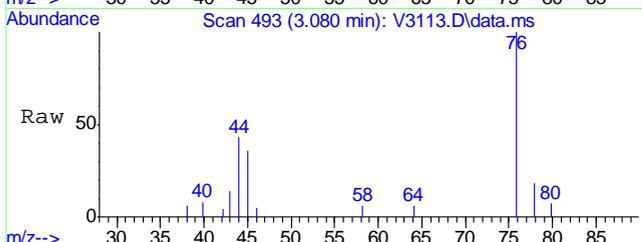
#16
acetone
Concen: 10.53 ug/L
RT: 2.876 min Scan# 435
Delta R.T. -0.028 min
Lab File: V3113.D
Acq: 6 Nov 2011 8:30 pm

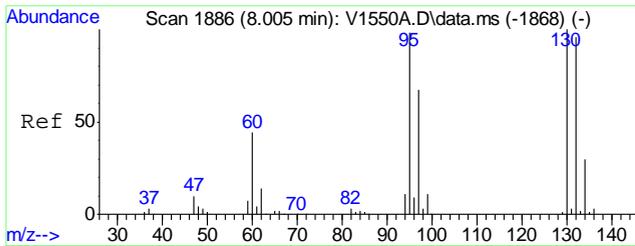
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 33442 | 100 | |
| 58 | 28.7 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 4.29 ug/L
RT: 3.078 min Scan# 493
Delta R.T. -0.022 min
Lab File: V3113.D
Acq: 6 Nov 2011 8:30 pm

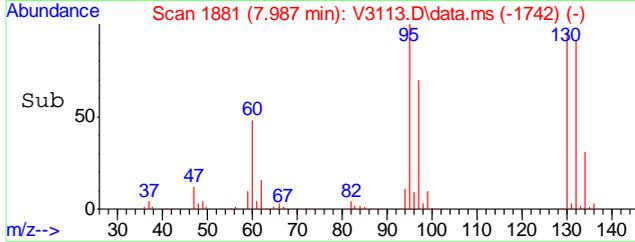
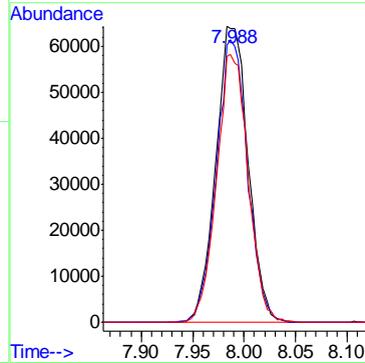
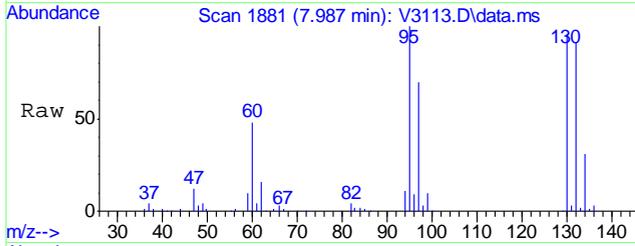
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 11533 | 100 | |
| 78 | 17.7 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 14.28 ug/L
 RT: 7.988 min Scan# 1881
 Delta R.T. -0.029 min
 Lab File: V3113.D
 Acq: 6 Nov 2011 8:30 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 95 | 140769 | | |
| 130 | 95.9 | 71.8 | 131.8 |
| 132 | 91.2 | 67.7 | 127.7 |



6.13
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3114.D
 Acq On : 6 Nov 2011 9:01 pm
 Operator : AMYM
 Sample : mc5183-4
 Misc : MS24312,MSV137,7.39,,,5,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 07 15:04:54 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

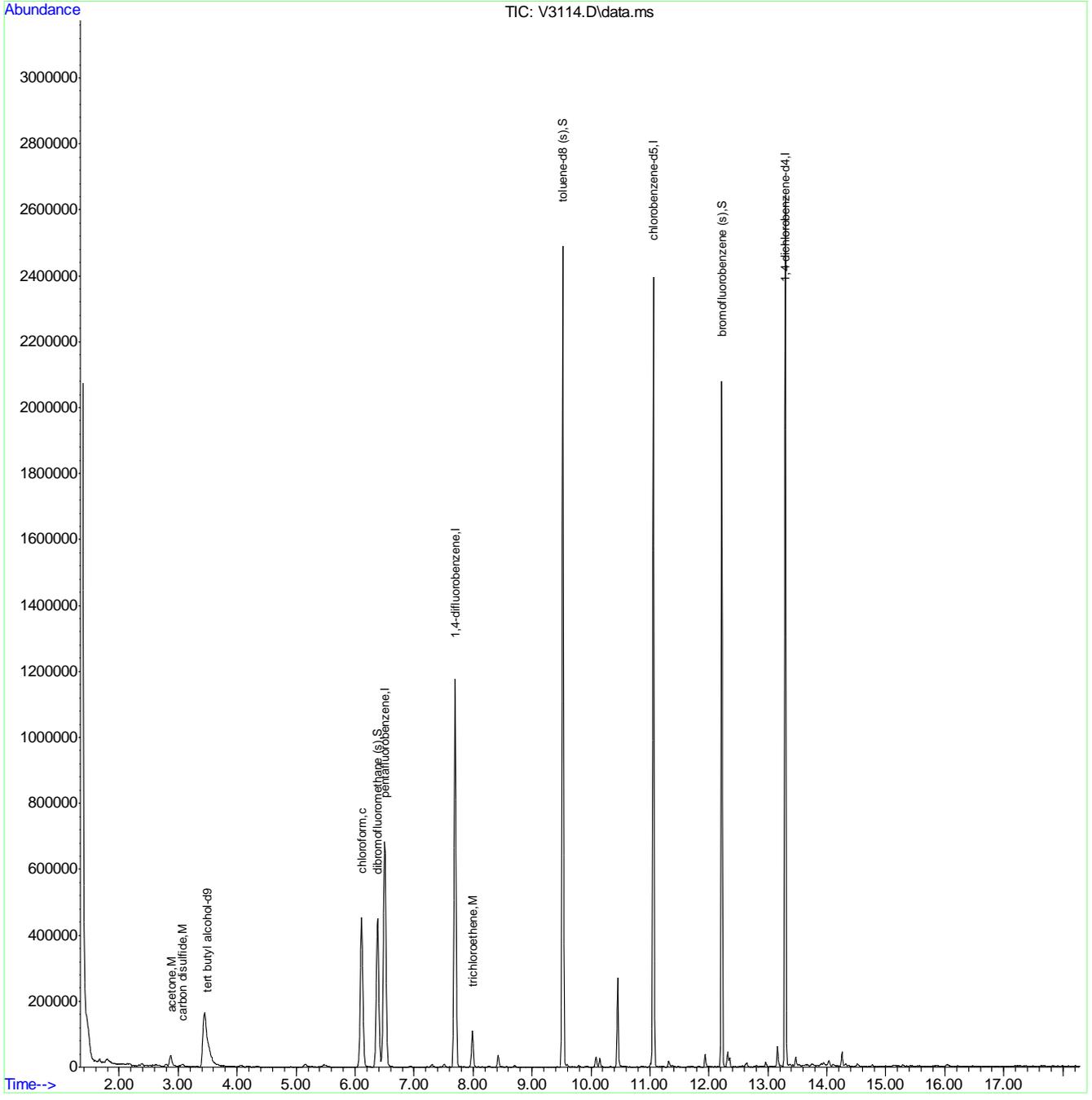
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|----|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.487 | 65 | 365971 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.503 | 168 | 719061 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.696 | 114 | 1101615 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.057 | 82 | 667590 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.294 | 152 | 589011 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.382 | 113 | 407100 | 54.48 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 108.96% | |
| 60) toluene-d8 (s) | 9.521 | 98 | 1545660 | 51.16 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.32% | |
| 82) bromofluorobenzene (s) | 12.217 | 95 | 598026 | 47.09 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.18% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.880 | 43 | 66572 | 15.17 | ug/L | | 94 |
| 24) carbon disulfide | 3.078 | 76 | 12376 | 4.31 | ug/L | | 95 |
| 39) chloroform | 6.111 | 83 | 564437 | 32.08 | ug/L | | 98 |
| 51) trichloroethene | 7.989 | 95 | 44273 | 4.46 | ug/L | | 81 |

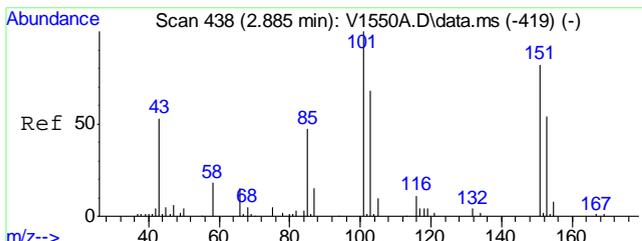
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3114.D
Acq On : 6 Nov 2011 9:01 pm
Operator : AMYM
Sample : mc5183-4
Misc : MS24312,MSV137,7.39,,,5,1
ALS Vial : 17 Sample Multiplier: 1

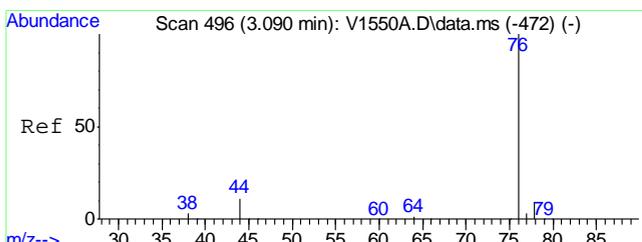
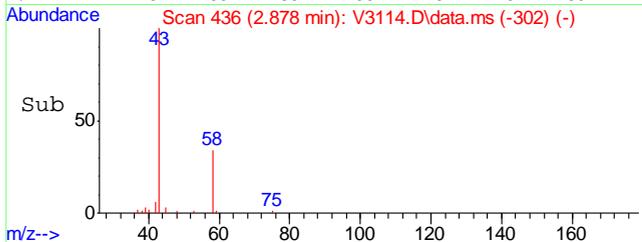
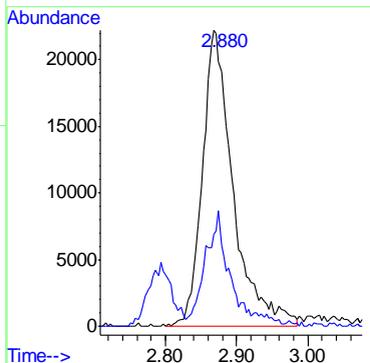
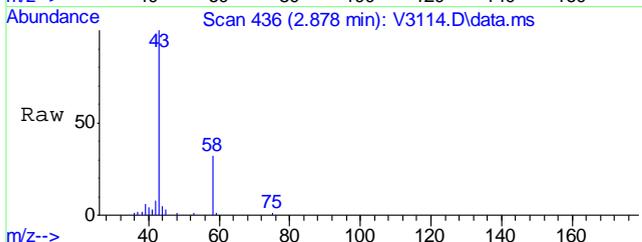
Quant Time: Nov 07 15:04:54 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





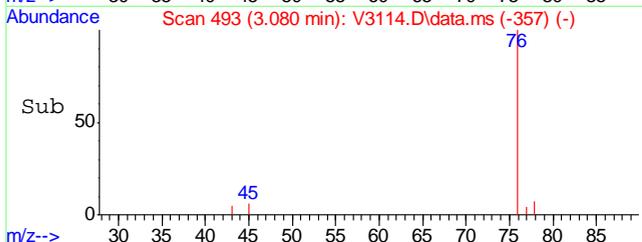
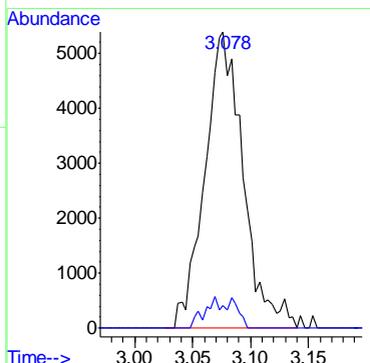
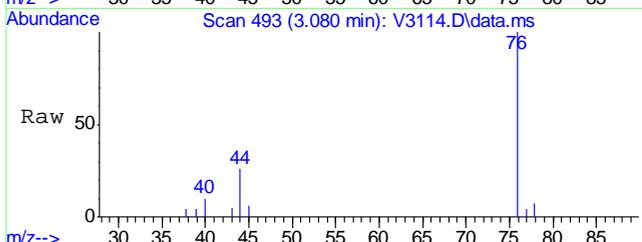
#16
acetone
Concen: 15.17 ug/L
RT: 2.880 min Scan# 436
Delta R.T. -0.024 min
Lab File: V3114.D
Acq: 6 Nov 2011 9:01 pm

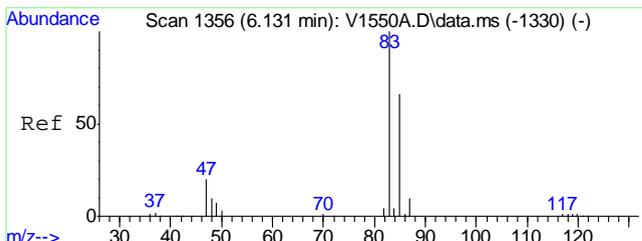
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 66572 | 100 | |
| 58 | 30.8 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 4.31 ug/L
RT: 3.078 min Scan# 493
Delta R.T. -0.022 min
Lab File: V3114.D
Acq: 6 Nov 2011 9:01 pm

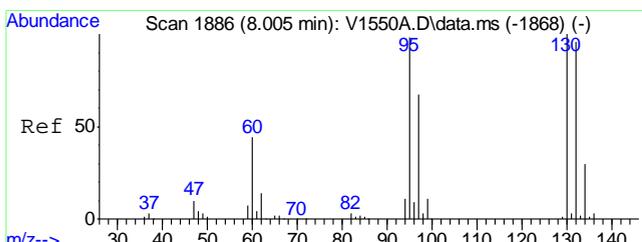
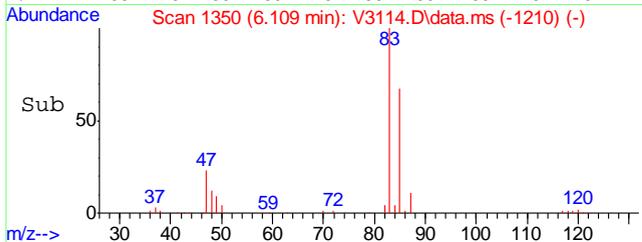
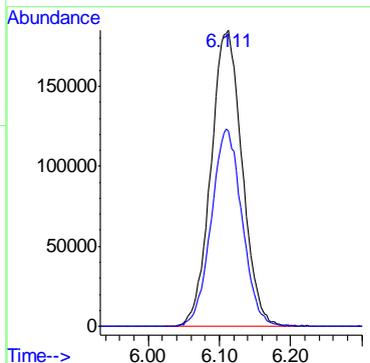
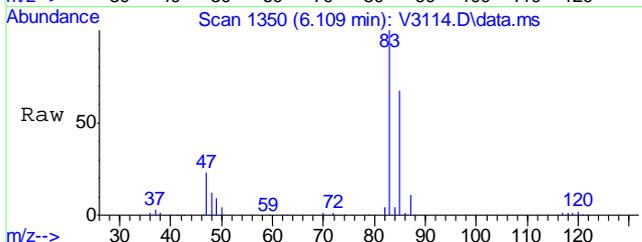
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 12376 | 100 | |
| 78 | 7.2 | 0.0 | 39.1 |





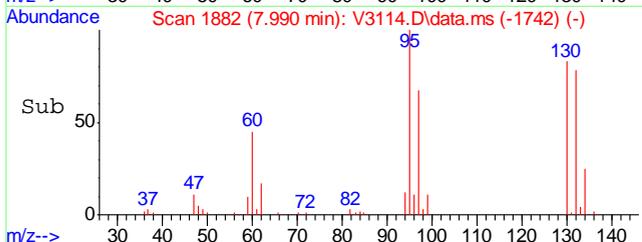
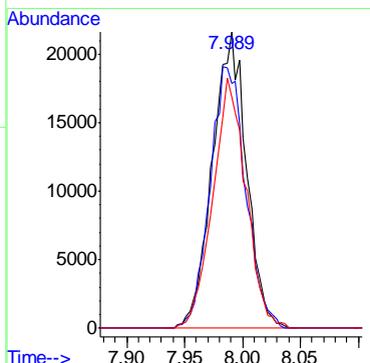
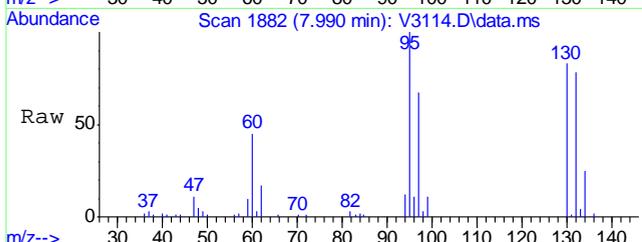
#39
 chloroform
 Concen: 32.08 ug/L
 RT: 6.111 min Scan# 1350
 Delta R.T. -0.033 min
 Lab File: V3114.D
 Acq: 6 Nov 2011 9:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 564437 | 100 | |
| 85 | 67.4 | 36.0 | 96.0 |



#51
 trichloroethene
 Concen: 4.46 ug/L
 RT: 7.989 min Scan# 1882
 Delta R.T. -0.028 min
 Lab File: V3114.D
 Acq: 6 Nov 2011 9:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 44273 | 100 | |
| 130 | 82.7 | 71.8 | 131.8 |
| 132 | 78.0 | 67.7 | 127.7 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3110.D
 Acq On : 6 Nov 2011 6:59 pm
 Operator : AMYM
 Sample : mc5183-5
 Misc : MS24312,MSV137,7.13,,,5,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 07 15:00:23 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

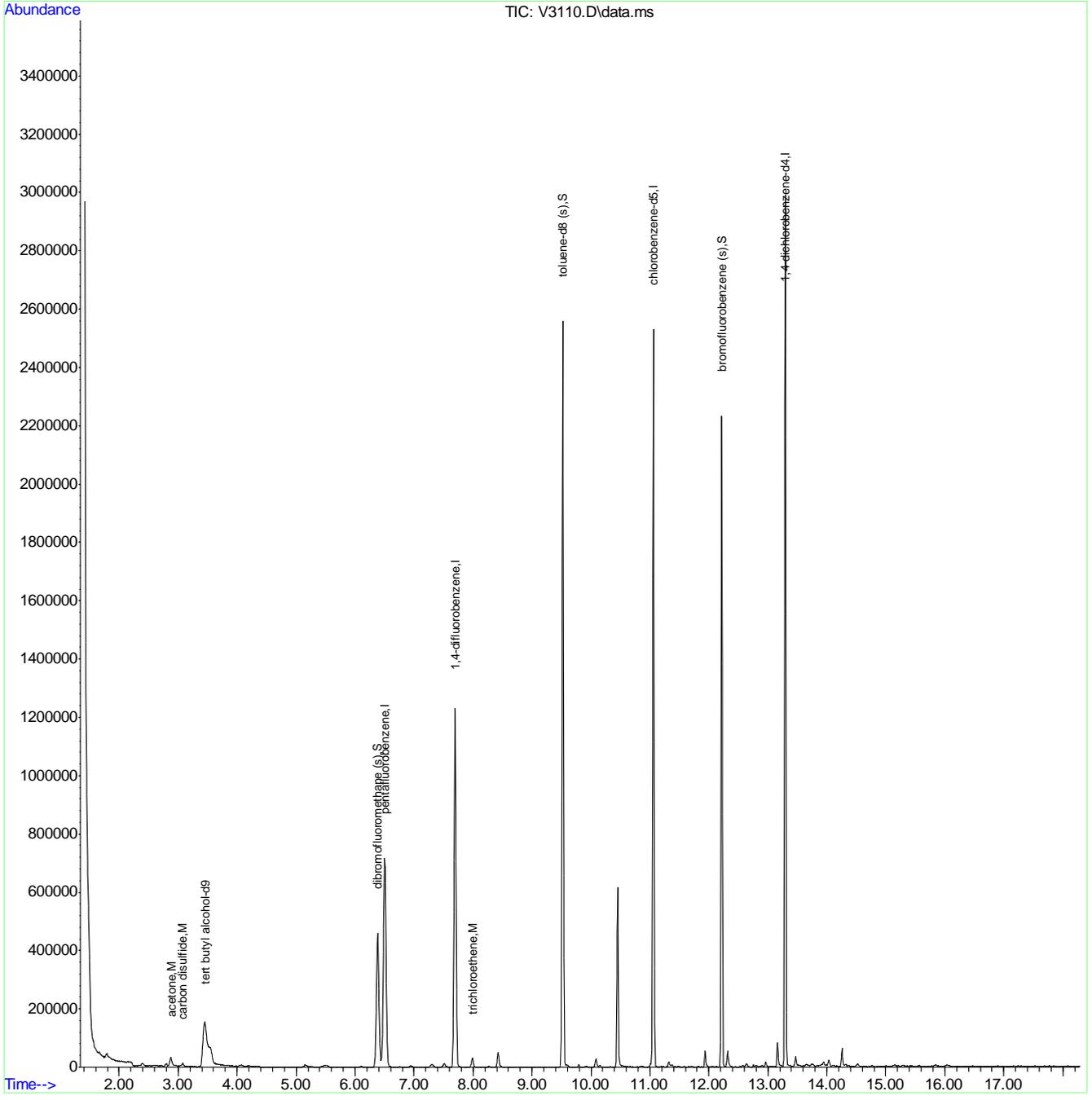
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|-----------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.464 | 65 | 283041 | 500.00 | ug/L | -0.05 | |
| 4) pentafluorobenzene | 6.504 | 168 | 768148 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.696 | 114 | 1165132 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.057 | 82 | 716946 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.293 | 152 | 674420 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.384 | 113 | 414058 | 51.87 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.74% | |
| 60) toluene-d8 (s) | 9.521 | 98 | 1620809 | 50.73 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.46% | |
| 82) bromofluorobenzene (s) | 12.217 | 95 | 647467 | 44.53 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 89.06% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.893 | 43 | 69365 | 14.94 | ug/L | | Qvalue 80 |
| 24) carbon disulfide | 3.081 | 76 | 20527 | 4.52 | ug/L | | 97 |
| 51) trichloroethene | 7.989 | 95 | 11977 | 1.14 | ug/L | | 94 |

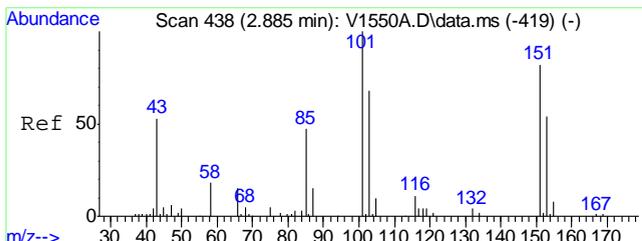
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3110.D
Acq On : 6 Nov 2011 6:59 pm
Operator : AMYM
Sample : mc5183-5
Misc : MS24312,MSV137,7.13,,,5,1
ALS Vial : 13 Sample Multiplier: 1

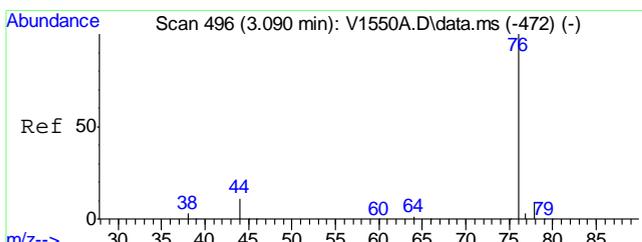
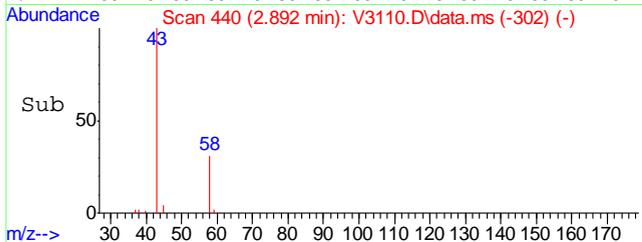
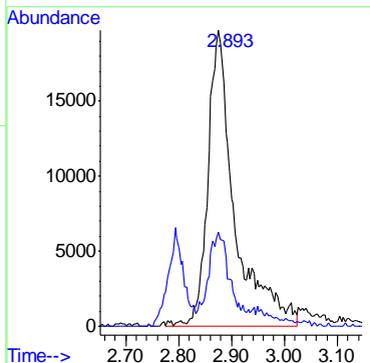
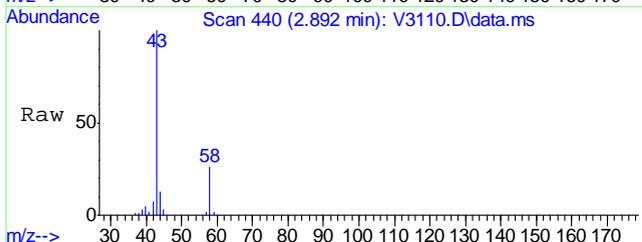
Quant Time: Nov 07 15:00:23 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





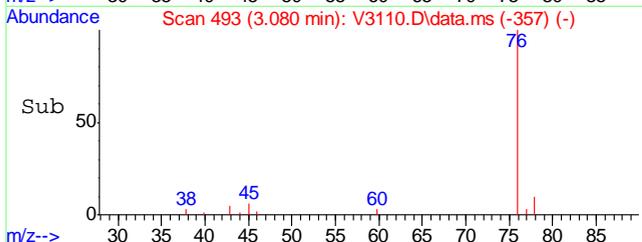
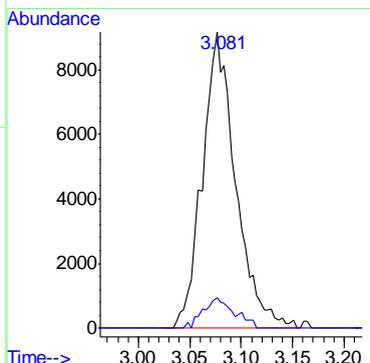
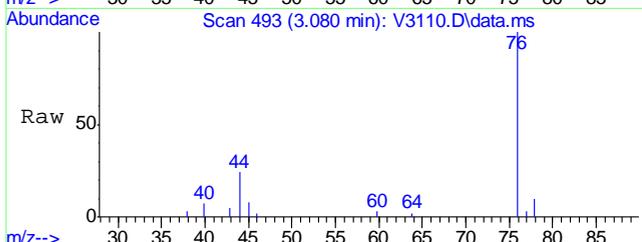
#16
acetone
Concen: 14.94 ug/L
RT: 2.893 min Scan# 440
Delta R.T. -0.011 min
Lab File: V3110.D
Acq: 6 Nov 2011 6:59 pm

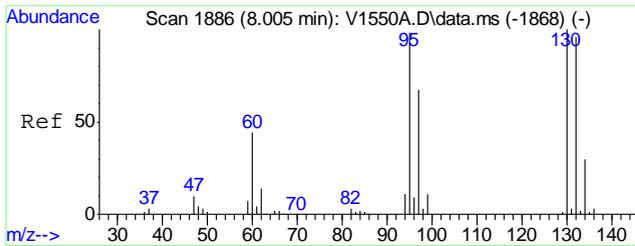
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 69365 | 100 | |
| 58 | 22.9 | 4.3 | 64.3 |



#24
carbon disulfide
Concen: 4.52 ug/L
RT: 3.081 min Scan# 493
Delta R.T. -0.019 min
Lab File: V3110.D
Acq: 6 Nov 2011 6:59 pm

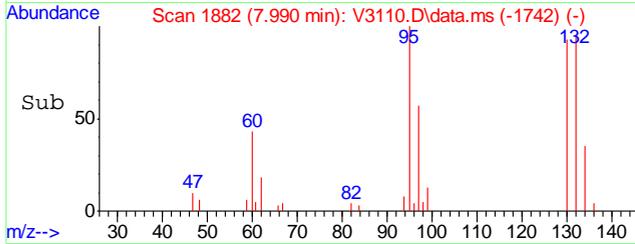
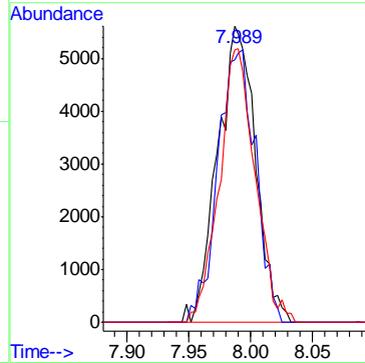
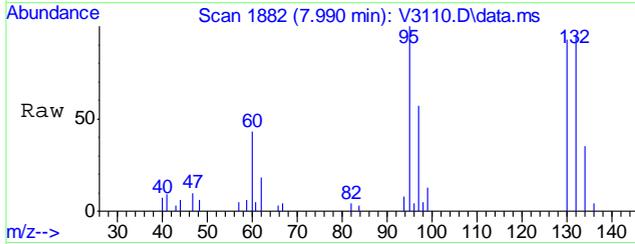
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 76 | 20527 | 100 | |
| 78 | 10.0 | 0.0 | 39.1 |





#51
 trichloroethene
 Concen: 1.14 ug/L
 RT: 7.989 min Scan# 1882
 Delta R.T. -0.028 min
 Lab File: V3110.D
 Acq: 6 Nov 2011 6:59 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 11977 | | |
| 130 | 93.4 | 71.8 | 131.8 |
| 132 | 94.7 | 67.7 | 127.7 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24323.D
Acq On : 7 Nov 2011 4:27 pm
Operator : danat
Sample : mc5183-6
Misc : MS24310,MSR901,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:23:41 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (2-hexanone).

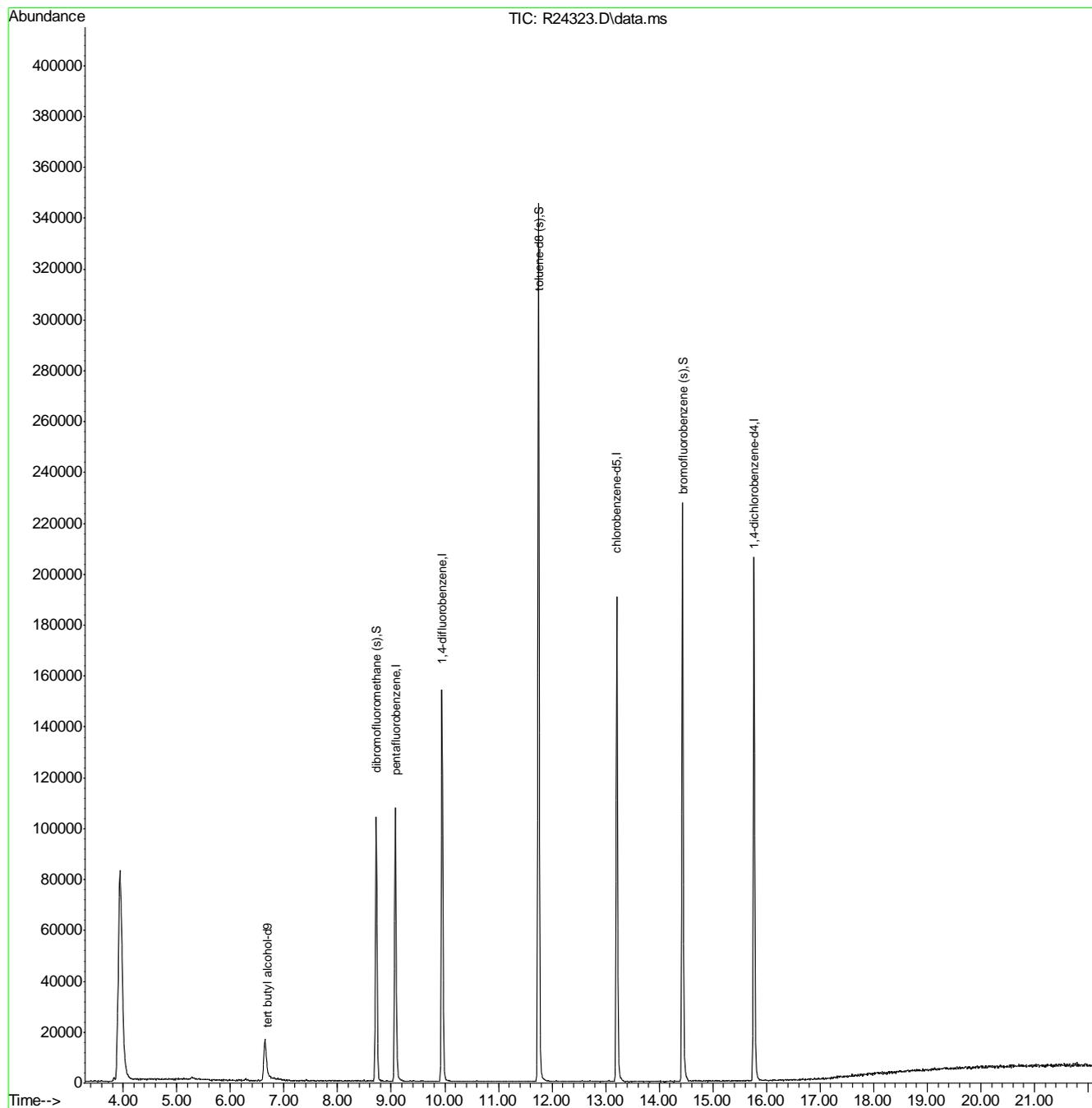
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.1.6 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24323.D
Acq On : 7 Nov 2011 4:27 pm
Operator : danat
Sample : mc5183-6
Misc : MS24310,MSR901,5,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:23:41 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56607.D Vial: 9
Acq On : 4 Nov 2011 1:39 pm Operator: garyk
Sample : mc5183-7 Inst : MSE
Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 4 14:58 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 20 16:29:09 2011
Response via : Initial Calibration
DataAcq Meth : E8260

Table with 7 columns: Internal Standards, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, and 1,4-dichlorobenzene-d4.

System Monitoring Compounds table with 7 columns: Compound Name, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include dibromofluoromethane (s), toluene-d8 (s), and bromofluorobenzene (s) with Spiked Amount and Recovery data.

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
E56607.D E102011M.M Fri Nov 04 15:04:48 2011 LPT1

6.1.7 6

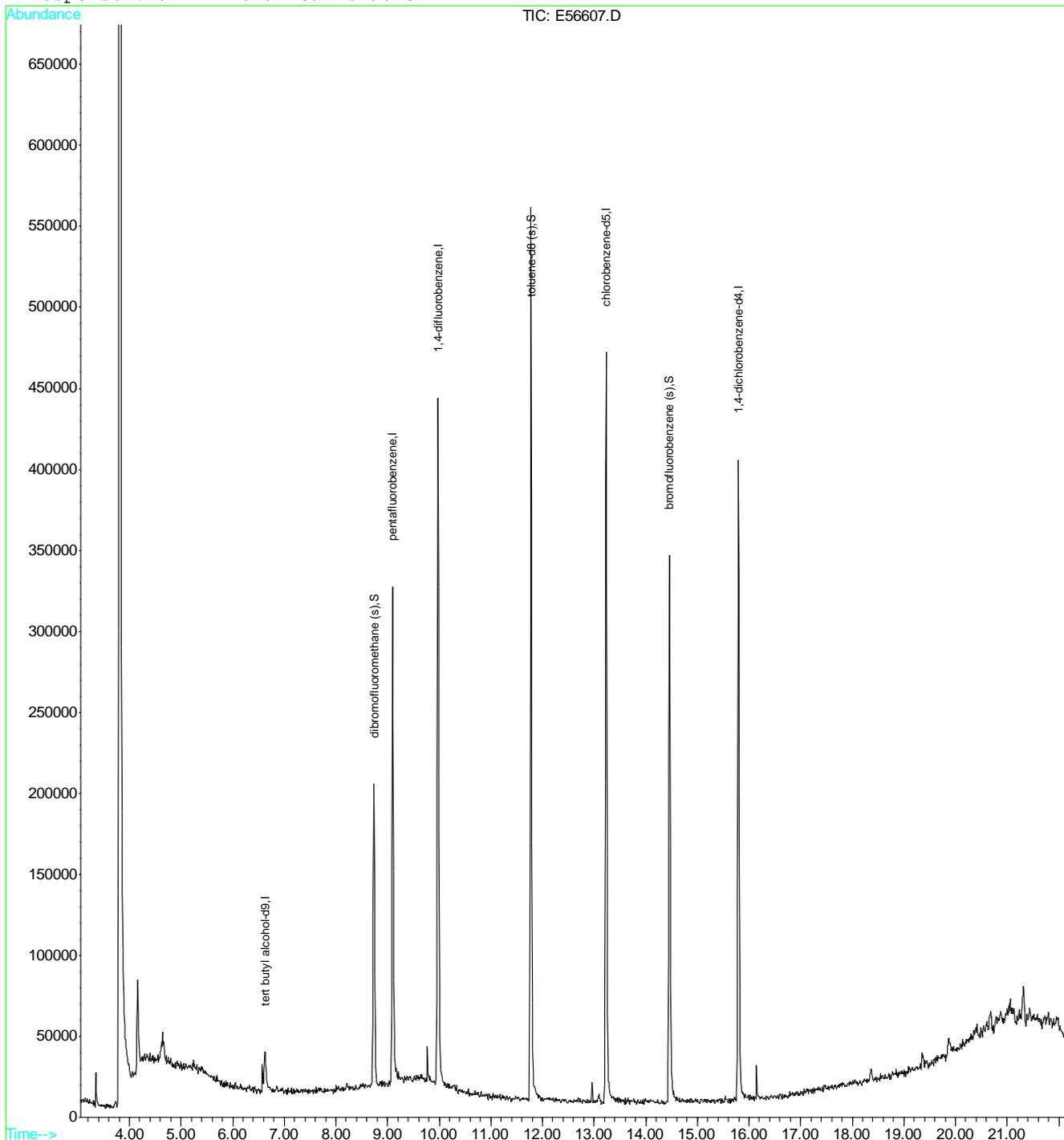
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56607.D
 Acq On : 4 Nov 2011 1:39 pm
 Sample : mc5183-7
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 14:58 2011

Vial: 9
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration



6.1.7
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3080.D
Acq On : 4 Nov 2011 11:48 am
Operator : AMYM
Sample : mc5183-7A
Misc : MS24298,MSV136,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 12:45:43 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (tert butyl alcohol-d9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d5, 1,4-dichlorobenzene-d4), System Monitoring Compounds (dibromofluoromethane, toluene-d8, bromofluorobenzene), and Target Compounds (acetone, methylene chloride).

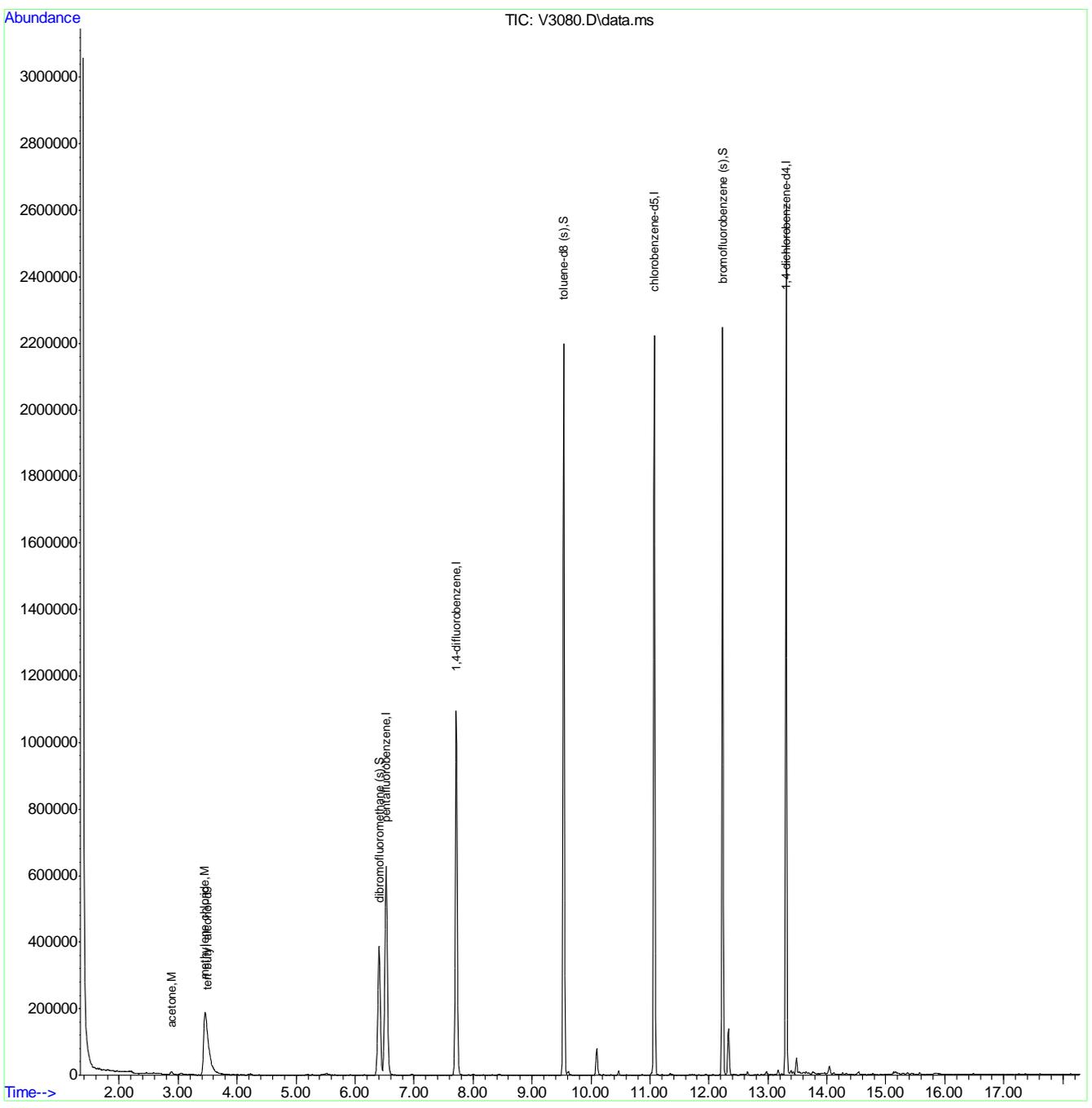
(#) = qualifier out of range (m) = manual integration (+) = signals summed

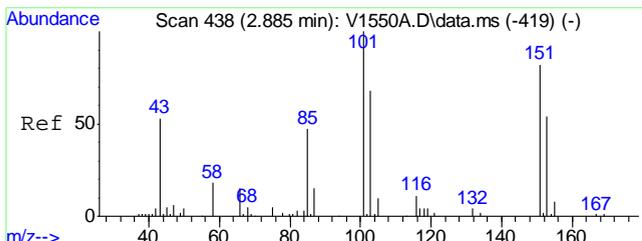
6.1.8
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3080.D
Acq On : 4 Nov 2011 11:48 am
Operator : AMYM
Sample : mc5183-7A
Misc : MS24298,MSV136,5,,,5,1
ALS Vial : 6 Sample Multiplier: 1

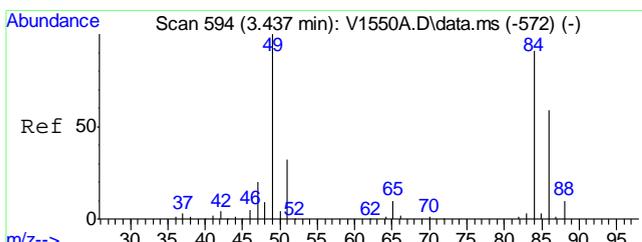
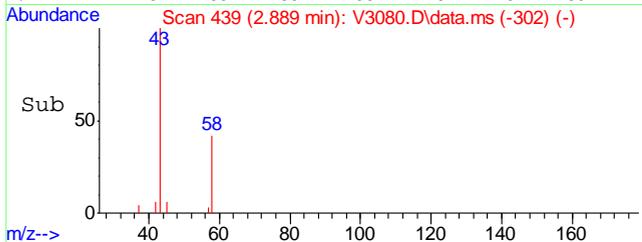
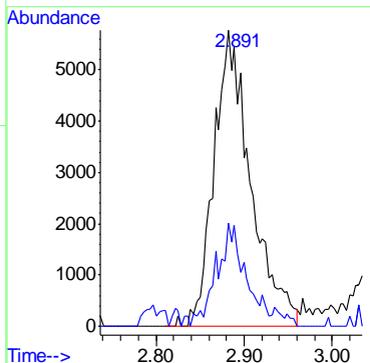
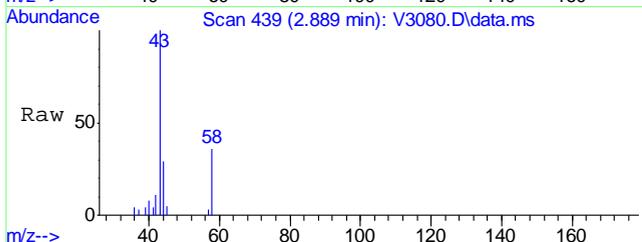
Quant Time: Nov 06 12:45:43 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration





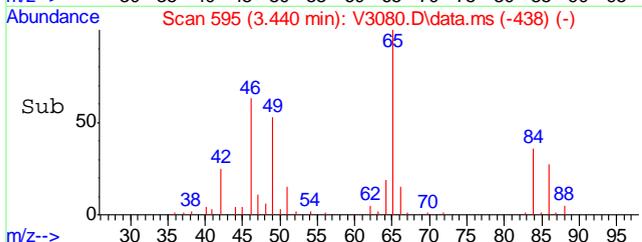
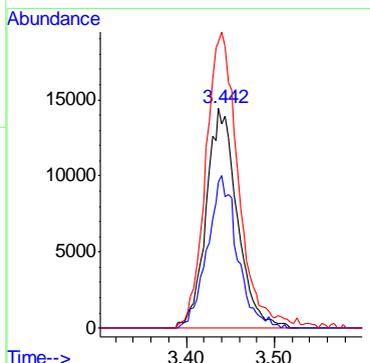
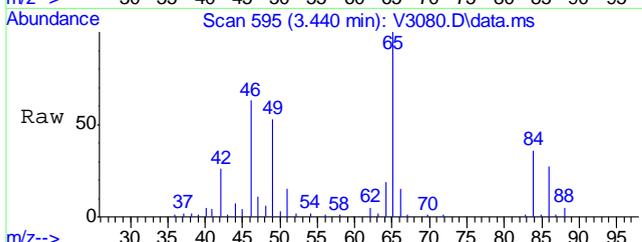
#16
acetone
Concen: 8.42 ug/L
RT: 2.891 min Scan# 439
Delta R.T. -0.013 min
Lab File: V3080.D
Acq: 4 Nov 2011 11:48 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 16679 | 100 | |
| 58 | 36.4 | 4.3 | 64.3 |



#18
methylene chloride
Concen: 1.97 ug/L
RT: 3.442 min Scan# 595
Delta R.T. -0.005 min
Lab File: V3080.D
Acq: 4 Nov 2011 11:48 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 35214 | 100 | |
| 86 | 75.0 | 35.5 | 95.5 |
| 49 | 145.2 | 80.2 | 140.2# |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24324.D
 Acq On : 7 Nov 2011 4:55 pm
 Operator : danat
 Sample : mc5183-8
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 07 17:24:18 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

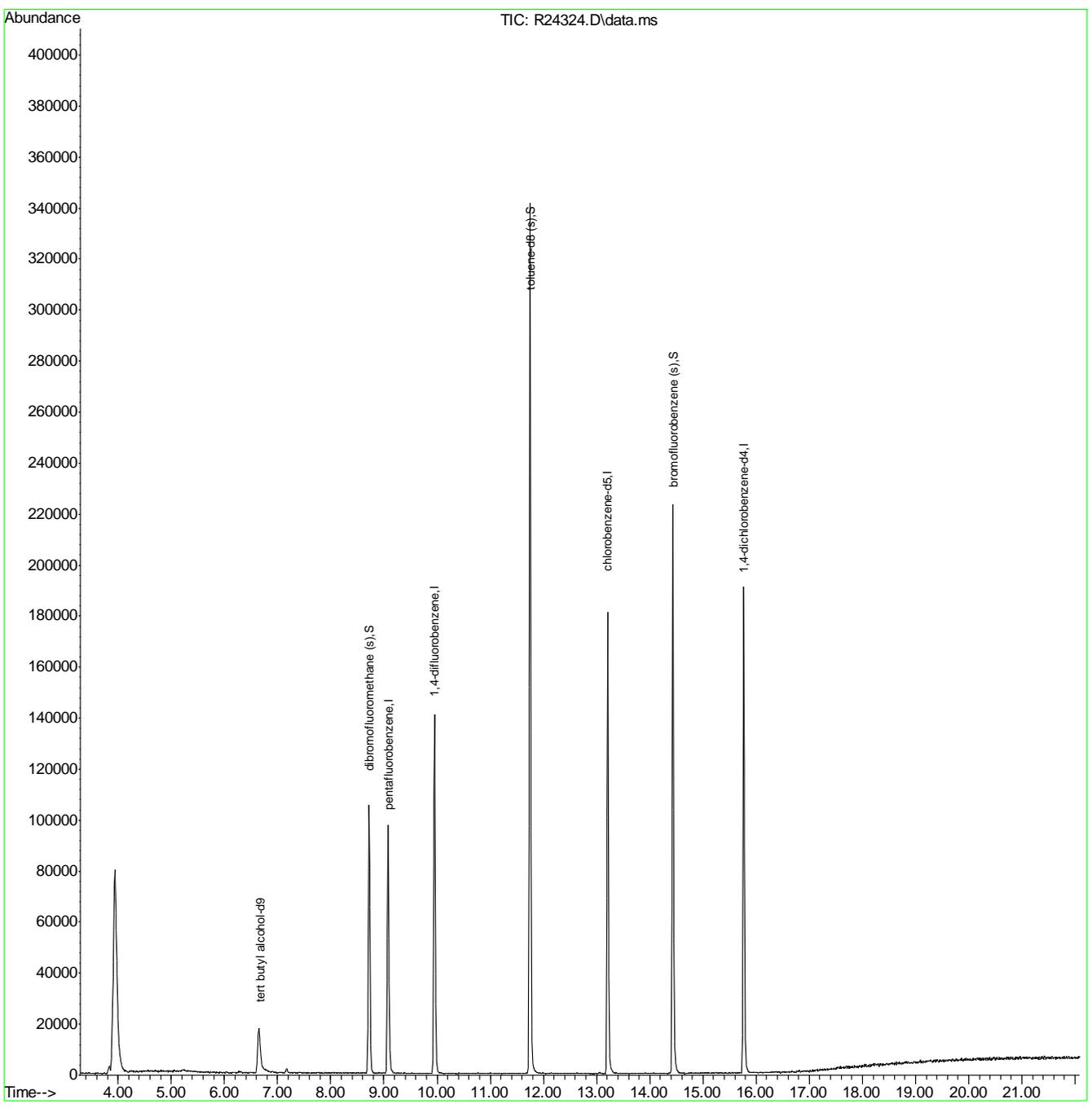
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.672 | 65 | 30648 | 500.00 | ug/L | 0.02 |
| 4) pentafluorobenzene | 9.083 | 168 | 76102 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.953 | 114 | 125738 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.212 | 82 | 66461 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.769 | 152 | 56863 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.723 | 113 | 69971 | 53.87 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 107.74% |
| 60) toluene-d8 (s) | 11.751 | 98 | 248206 | 50.96 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.92% |
| 82) bromofluorobenzene (s) | 14.437 | 95 | 89608 | 50.74 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.48% |
| Target Compounds | | | | | | |
| 71) 2-hexanone | 11.746 | 43 | 920 | Below Cal | # | 1 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24324.D
Acq On : 7 Nov 2011 4:55 pm
Operator : danat
Sample : mc5183-8
Misc : MS24310,MSR901,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 07 17:24:18 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3078.D
 Acq On : 4 Nov 2011 10:45 am
 Operator : AMYM
 Sample : mb
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 15:11:04 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|-----------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.501 | 65 | 373455 | 500.00 | ug/L | #-0.02 | |
| 4) pentafluorobenzene | 6.527 | 168 | 687893 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.717 | 114 | 1046455 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.073 | 82 | 644722 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 606165 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.408 | 113 | 350899 | 49.09 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.18% | |
| 60) toluene-d8 (s) | 9.538 | 98 | 1401973 | 48.85 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.70% | |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 654631 | 50.09 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.18% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.895 | 43 | 29493 | 10.14 | ug/L | | Qvalue 86 |

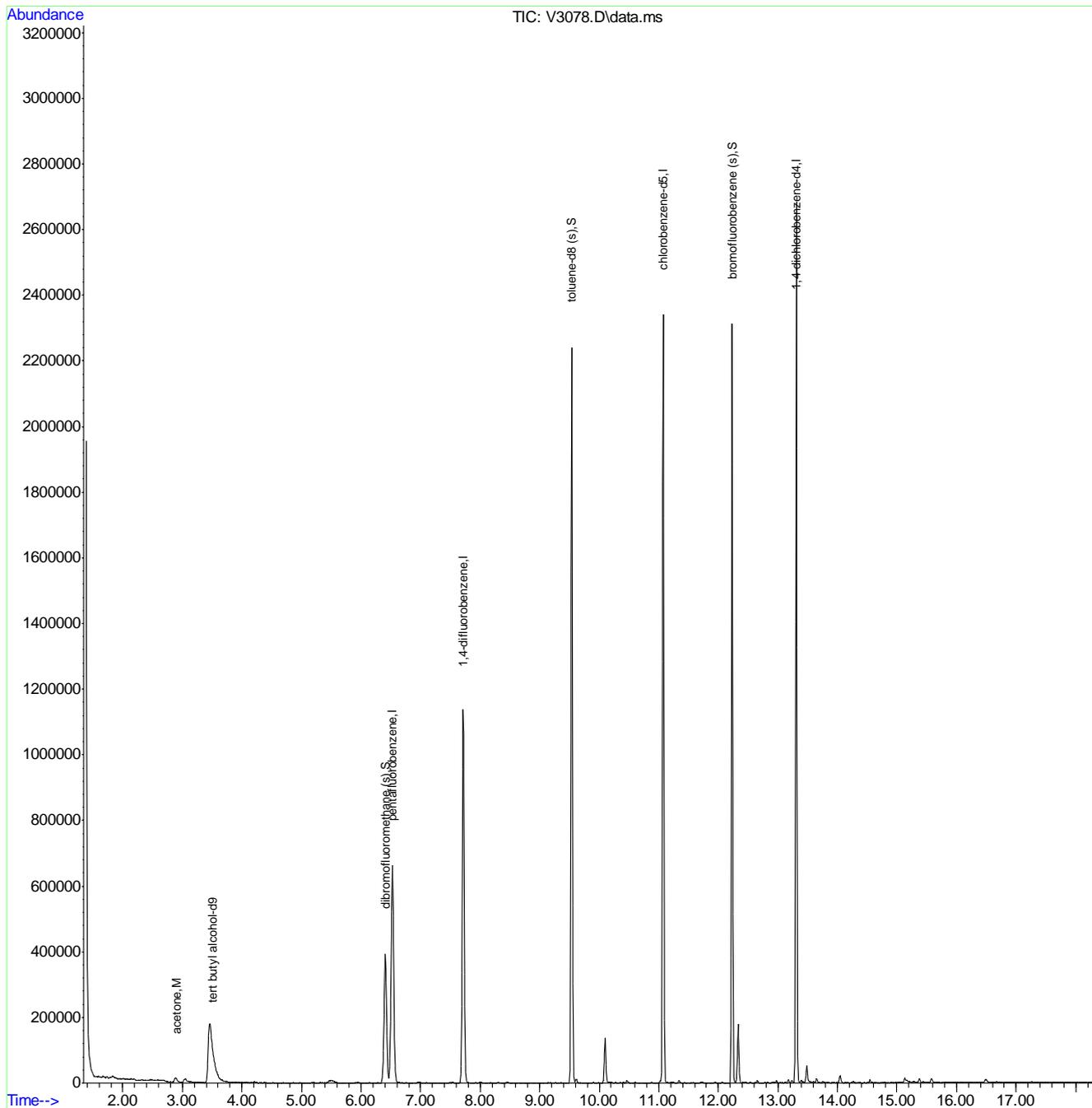
(#) = qualifier out of range (m) = manual integration (+) = signals summed

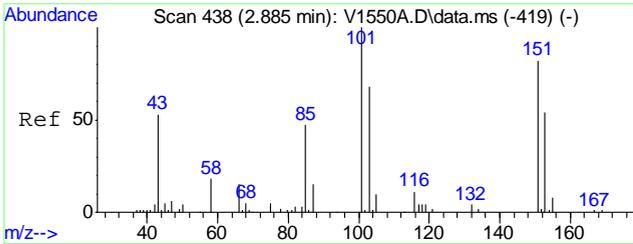
6.2.1
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3078.D
 Acq On : 4 Nov 2011 10:45 am
 Operator : AMYM
 Sample : mb
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

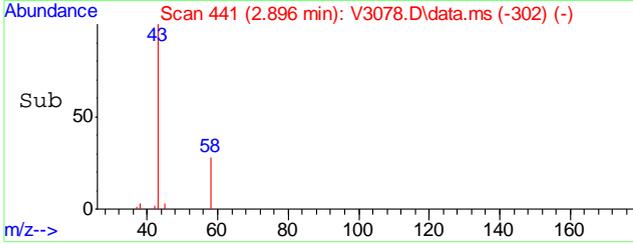
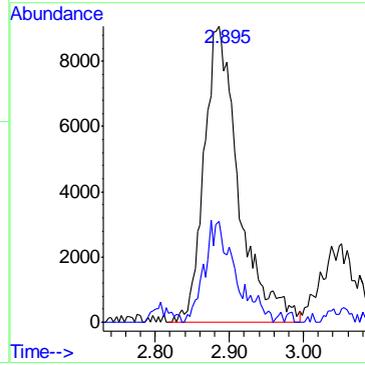
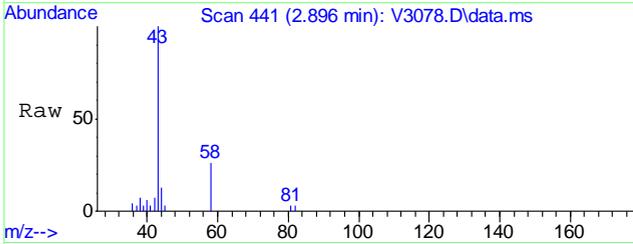
Quant Time: Nov 04 15:11:04 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration





#16
acetone
Concen: 10.14 ug/L
RT: 2.895 min Scan# 441
Delta R.T. -0.009 min
Lab File: V3078.D
Acq: 4 Nov 2011 10:45 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 29493 | 100 | |
| 58 | 26.0 | 4.3 | 64.3 |



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56604.D Vial: 6
 Acq On : 4 Nov 2011 12:14 pm Operator: garyk
 Sample : mb Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:29 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.62 | 65 | 35615 | 500.00 | ppb | -0.04 |
| 4) pentafluorobenzene | 9.10 | 168 | 218383 | 50.00 | ppb | -0.04 |
| 42) 1,4-difluorobenzene | 9.97 | 114 | 355115 | 50.00 | ppb | -0.04 |
| 65) chlorobenzene-d5 | 13.23 | 82 | 160030 | 50.00 | ppb | -0.03 |
| 79) 1,4-dichlorobenzene-d4 | 15.80 | 152 | 120682 | 50.00 | ppb | -0.03 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|---------|
| 39) dibromofluoromethane (s) | 8.73 | 113 | 117752 | 45.42 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 90.84% |
| 59) toluene-d8 (s) | 11.78 | 98 | 384697 | 47.47 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.94% |
| 81) bromofluorobenzene (s) | 14.46 | 95 | 133661 | 53.83 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 107.66% |

Target Compounds

| | | | | | | |
|--------------------------|-------|-----|-------|-------|------|-----------|
| 103) 2-methylnaphthalene | 19.87 | 142 | 34228 | 28.51 | ug/L | Qvalue 98 |
|--------------------------|-------|-----|-------|-------|------|-----------|

6.2.2
6

(#) = qualifier out of range (m) = manual integration
 E56604.D E102011M.M Fri Nov 04 13:32:20 2011 LPT1

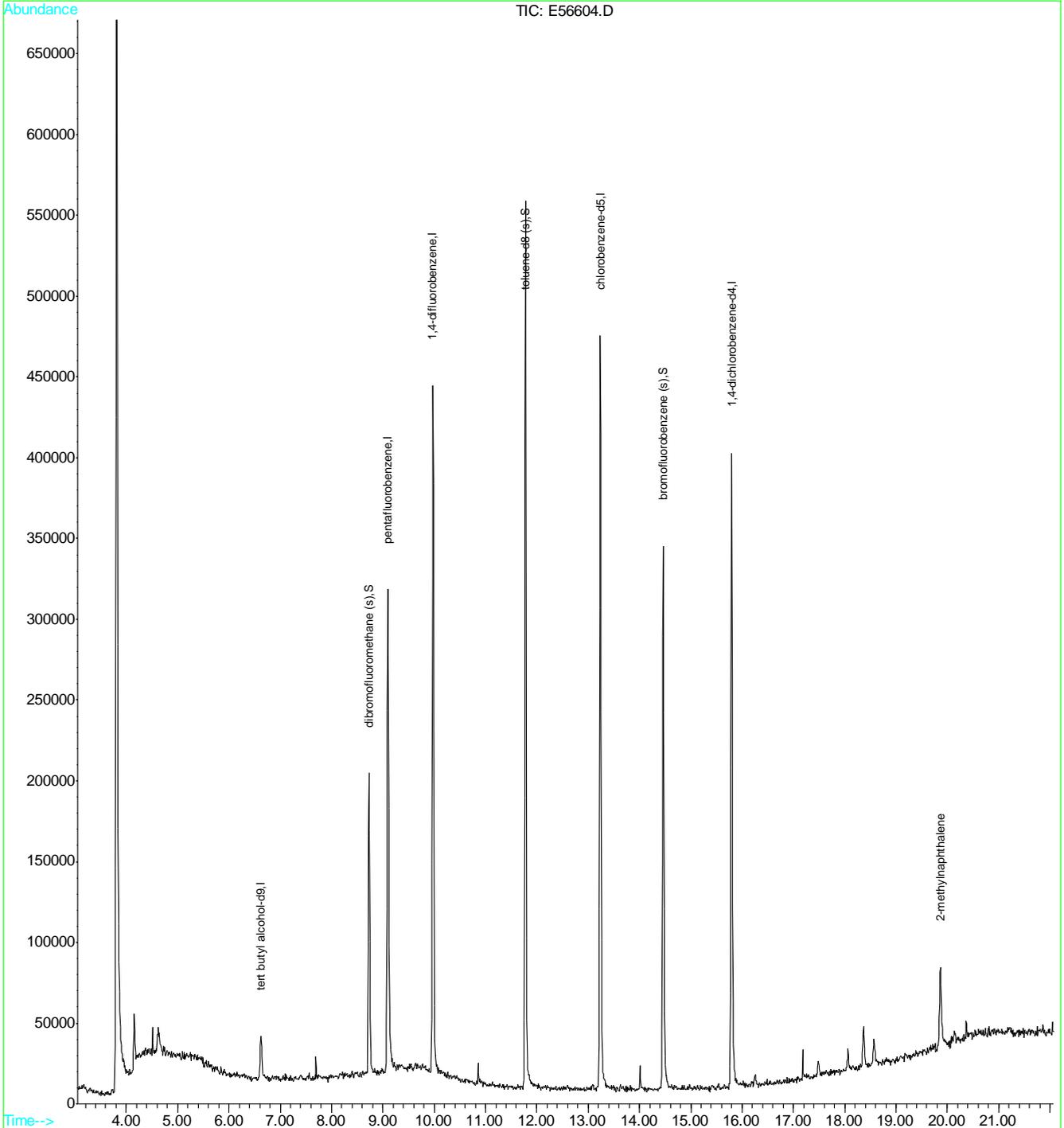
Quantitation Report

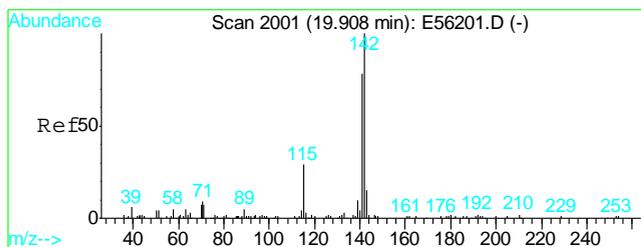
Data File : C:\HPCHEM\1\DATA\E56604.D
 Acq On : 4 Nov 2011 12:14 pm
 Sample : mb
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:29 2011

Vial: 6
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

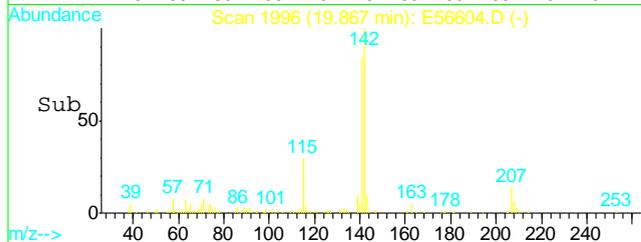
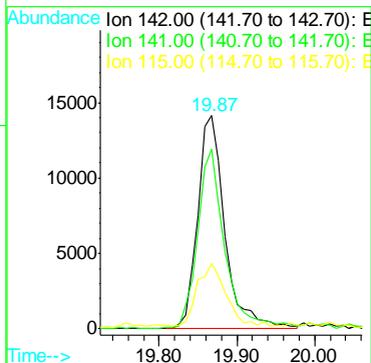
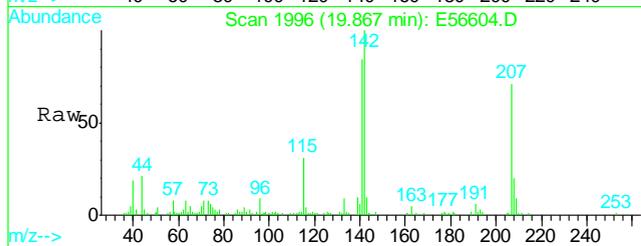
Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration





#103
 2-methylnaphthalene
 Concen: 28.51 ug/L
 RT: 19.87 min Scan# 1996
 Delta R.T. -0.04 min
 Lab File: E56604.D
 Acq: 4 Nov 2011 12:14 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 142 | 34228 | | |
| 141 | 84.8 | 69.9 | 104.9 |
| 115 | 31.8 | 25.0 | 37.4 |



6.2.2
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3109.D
 Acq On : 6 Nov 2011 6:28 pm
 Operator : AMYM
 Sample : mb
 Misc : MS24312,MSV137,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 07 14:59:25 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

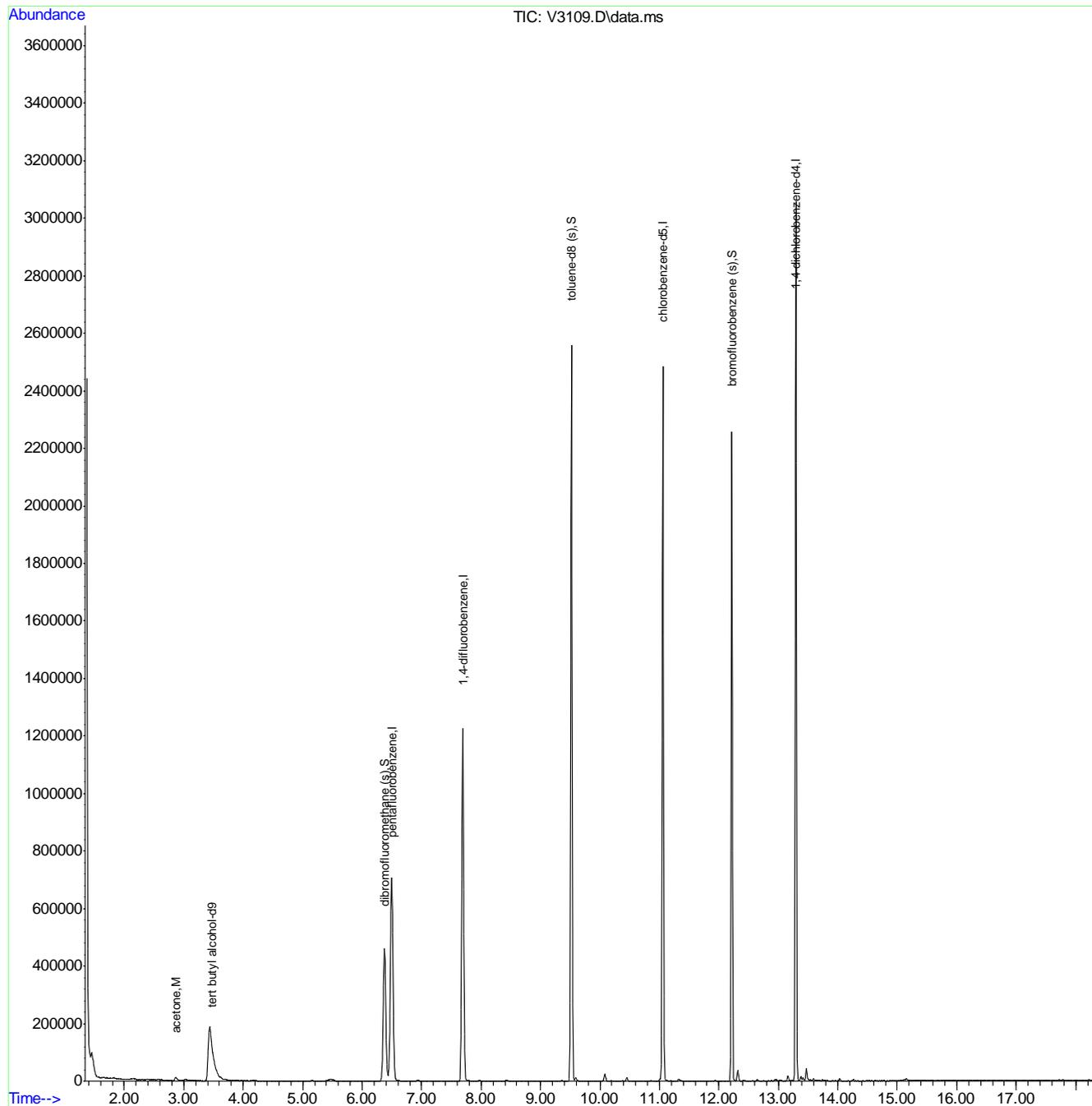
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.479 | 65 | 398312 | 500.00 | ug/L | -0.04 | |
| 4) pentafluorobenzene | 6.498 | 168 | 745429 | 50.00 | ug/L | -0.04 | |
| 43) 1,4-difluorobenzene | 7.692 | 114 | 1138746 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.056 | 82 | 698252 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.293 | 152 | 676888 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.377 | 113 | 414138 | 53.46 | ug/L | -0.04 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 106.92% | |
| 60) toluene-d8 (s) | 9.519 | 98 | 1601177 | 51.27 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.54% | |
| 82) bromofluorobenzene (s) | 12.216 | 95 | 645449 | 44.23 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.46% | |
| Target Compounds | | | | | | | |
| 16) acetone | 2.875 | 43 | 19928 | 8.51 | ug/L | | Qvalue 90 |

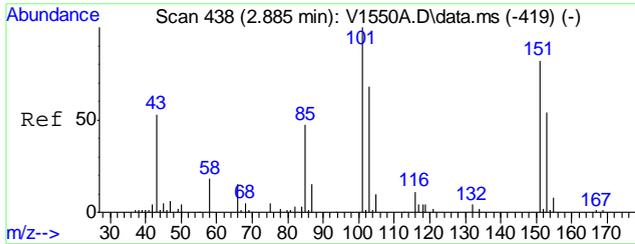
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3109.D
 Acq On : 6 Nov 2011 6:28 pm
 Operator : AMYM
 Sample : mb
 Misc : MS24312,MSV137,5,,,5,1
 ALS Vial : 12 Sample Multiplier: 1

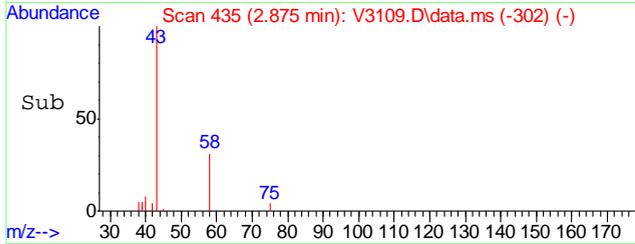
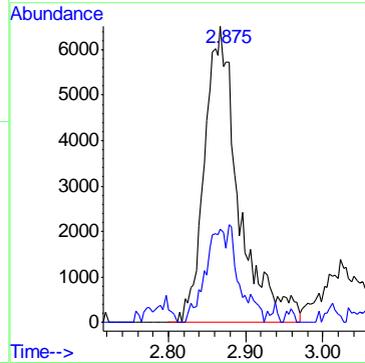
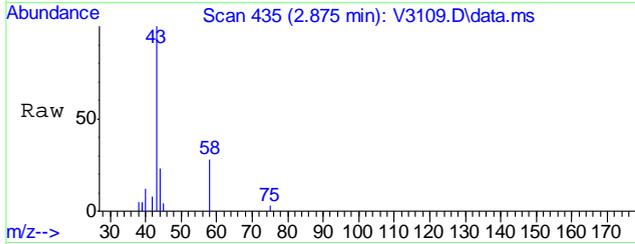
Quant Time: Nov 07 14:59:25 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration





#16
 acetone
 Concen: 8.51 ug/L
 RT: 2.875 min Scan# 435
 Delta R.T. -0.029 min
 Lab File: V3109.D
 Acq: 6 Nov 2011 6:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 19928 | | |
| 43 | 100 | | |
| 58 | 28.4 | 4.3 | 64.3 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24319.D
 Acq On : 7 Nov 2011 2:31 pm
 Operator : danat
 Sample : mb
 Misc : MS24310,MSR902,5,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 07 15:56:04 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.716 | 65 | 38170m | 500.00 | ug/L | 0.06 |
| 4) pentafluorobenzene | 9.084 | 168 | 93296 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.954 | 114 | 151498 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.212 | 82 | 79183 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.770 | 152 | 68238 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.724 | 113 | 75046 | 47.13 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.26% |
| 60) toluene-d8 (s) | 11.751 | 98 | 274581 | 46.79 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 93.58% |
| 82) bromofluorobenzene (s) | 14.437 | 95 | 102523 | 48.38 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.76% |
| Target Compounds | | | | | | |
| 71) 2-hexanone | 11.748 | 43 | 949 | Below Cal | # | 1 |

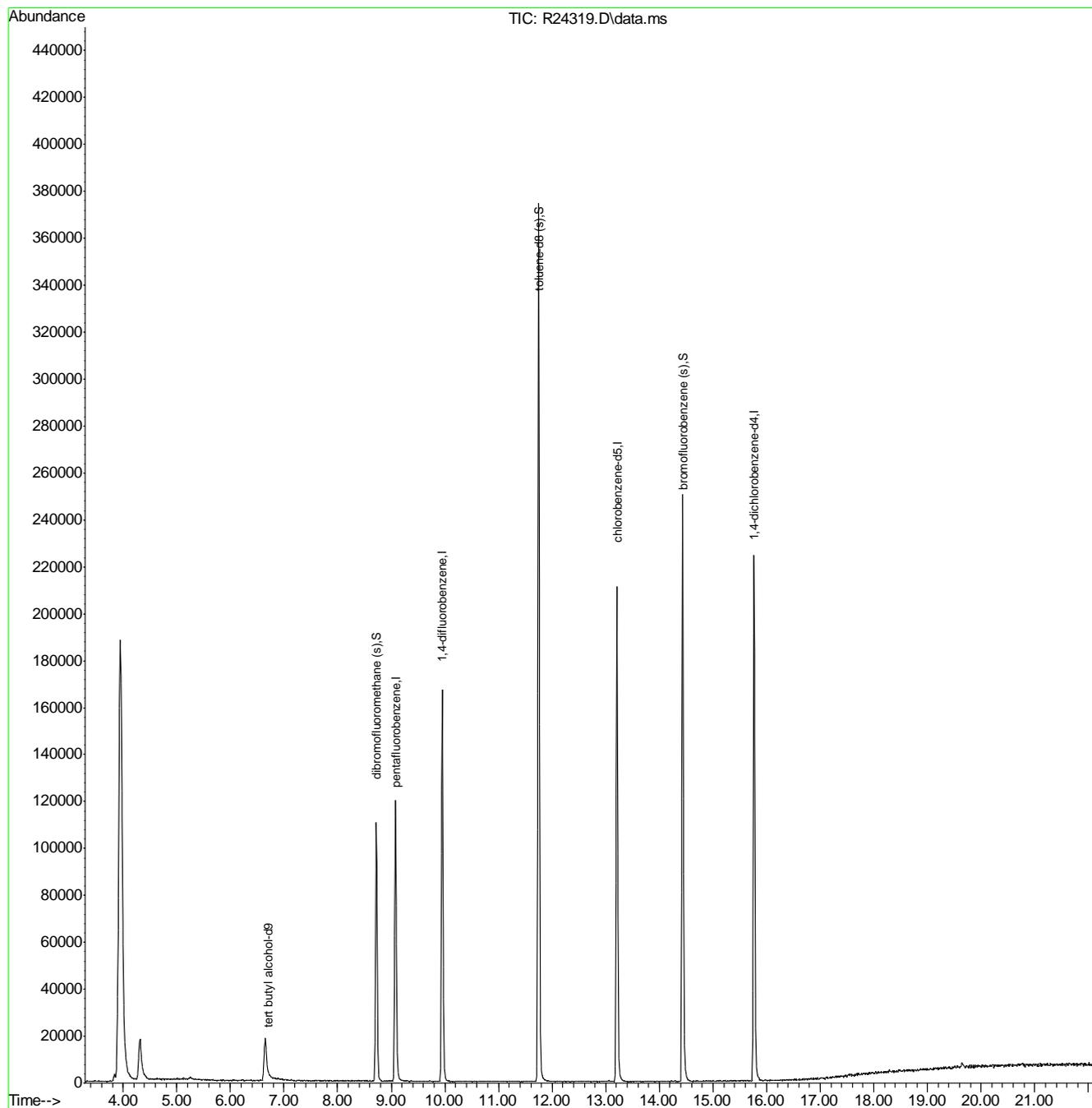
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.2.4
 6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24319.D
Acq On : 7 Nov 2011 2:31 pm
Operator : danat
Sample : mb
Misc : MS24310,MSR902,5,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 07 15:56:04 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24272.D
 Acq On : 5 Nov 2011 3:56 pm
 Operator : danat
 Sample : mb
 Misc : MS24135,MSR900,5,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 17:28:33 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.679 | 65 | 40576 | 500.00 | ug/L | 0.02 |
| 4) pentafluorobenzene | 9.083 | 168 | 113058 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.953 | 114 | 177891 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.211 | 82 | 91933 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.769 | 152 | 84238 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.723 | 113 | 83289 | 43.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 86.32% |
| 60) toluene-d8 (s) | 11.750 | 98 | 308755 | 44.81 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 89.62% |
| 82) bromofluorobenzene (s) | 14.436 | 95 | 117295 | 44.84 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 89.68% |
| Target Compounds | | | | | | |
| 71) 2-hexanone | 11.747 | 43 | 1162 | Below Cal | # | 1 |

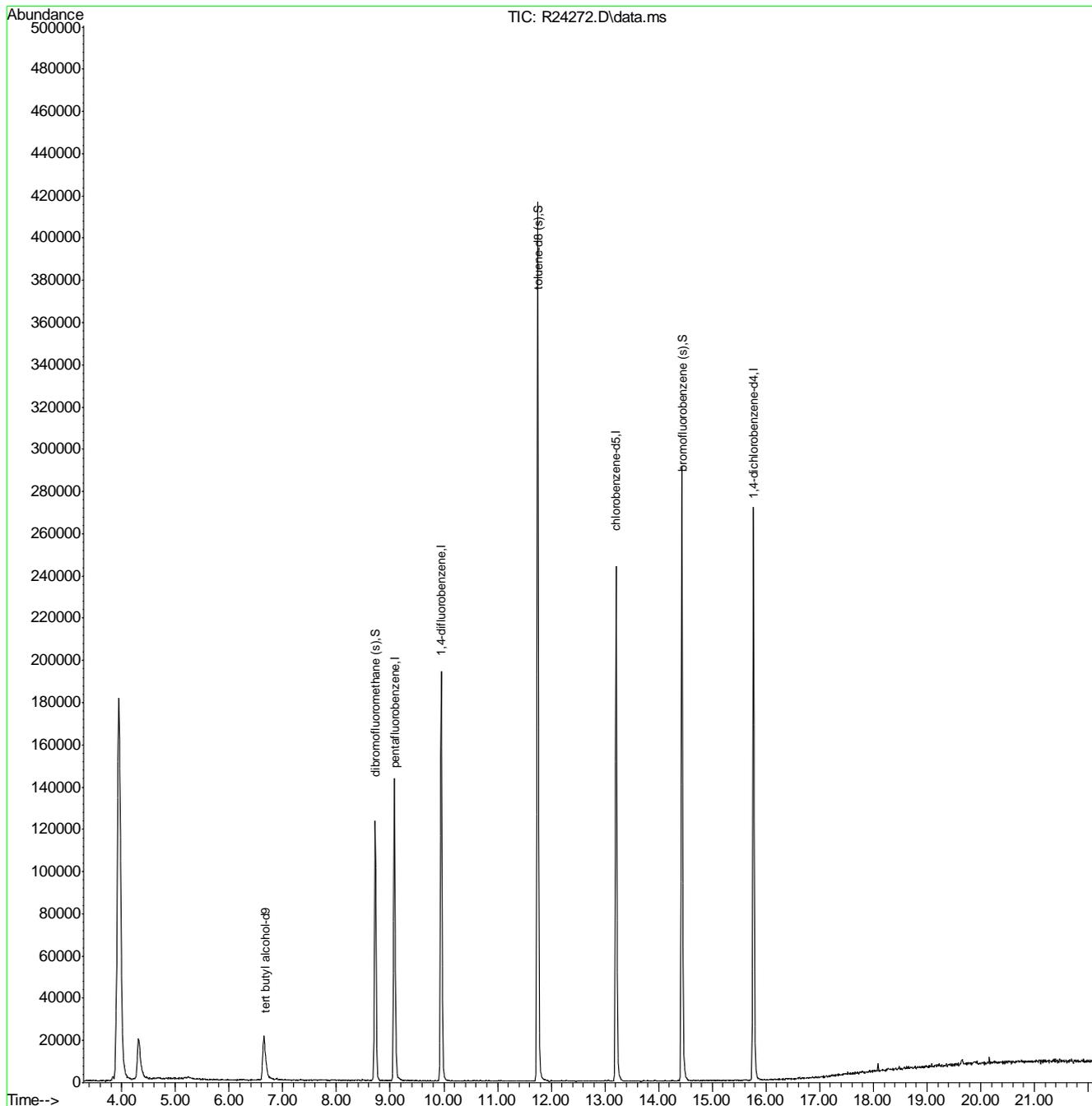
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.2.5
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24272.D
 Acq On : 5 Nov 2011 3:56 pm
 Operator : danat
 Sample : mb
 Misc : MS24135,MSR900,5,,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 17:28:33 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24298.D
 Acq On : 6 Nov 2011 3:16 am
 Operator : danat
 Sample : mb2
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 08 14:21:10 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|-----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.679 | 65 | 28985 | 500.00 | ug/L | 0.02 |
| 4) pentafluorobenzene | 9.085 | 168 | 82530 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.955 | 114 | 134847 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.212 | 82 | 71026 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.770 | 152 | 63182 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.725 | 113 | 73138 | 51.92 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.84% |
| 60) toluene-d8 (s) | 11.751 | 98 | 263396 | 50.42 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.84% |
| 82) bromofluorobenzene (s) | 14.437 | 95 | 95139 | 48.49 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.98% |
| Target Compounds | | | | | | |
| 71) 2-hexanone | 11.749 | 43 | 1102 | Below Cal | # | 1 |

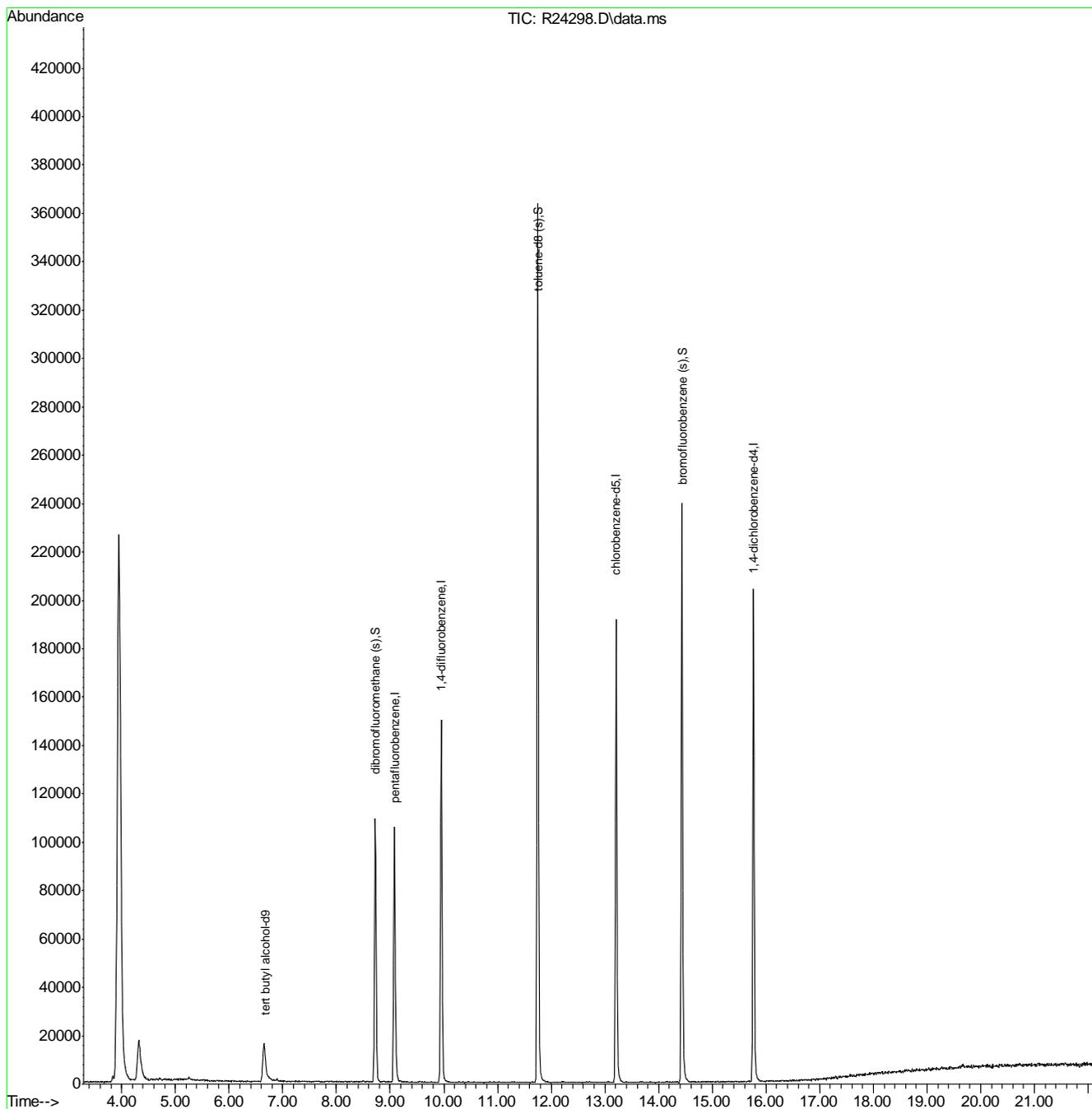
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.2.6
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24298.D
Acq On : 6 Nov 2011 3:16 am
Operator : danat
Sample : mb2
Misc : MS24310,MSR901,5,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 08 14:21:10 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3077.D
 Acq On : 4 Nov 2011 10:15 am
 Operator : AMYM
 Sample : bs
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:09:05 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.491 | 65 | 269762 | 500.00 | ug/L | -0.03 |
| 4) pentafluorobenzene | 6.522 | 168 | 704532 | 50.00 | ug/L | -0.01 |
| 43) 1,4-difluorobenzene | 7.714 | 114 | 1055344 | 50.00 | ug/L | -0.01 |
| 66) chlorobenzene-d5 | 11.072 | 82 | 640125 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 577169 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.401 | 113 | 369449 | 50.46 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.92% |
| 60) toluene-d8 (s) | 9.536 | 98 | 1458293 | 50.39 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.78% |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 649458 | 52.19 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.38% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 3.598 | 59 | 389498 | 537.27 | ug/L | 97 |
| 3) Ethanol | 2.472 | 45 | 161593 | 4298.39 | ug/L # | 66 |
| 5) dichlorodifluoromethane | 1.497 | 85 | 532445 | 52.19 | ug/L | 98 |
| 6) chloromethane | 1.598 | 50 | 479439 | 49.70 | ug/L | 98 |
| 7) vinyl chloride | 1.710 | 62 | 484279 | 45.06 | ug/L | 97 |
| 8) bromomethane | 1.991 | 96 | 328046 | 56.09 | ug/L | 95 |
| 9) chloroethane | 2.088 | 64 | 281549 | 55.31 | ug/L | 96 |
| 10) ethyl ether | 2.582 | 59 | 321916 | 53.92 | ug/L | 99 |
| 11) acetonitrile | 3.262 | 41 | 726070 | 55.92 | ug/L | 96 |
| 12) trichlorofluoromethane | 2.330 | 101 | 667934 | 55.30 | ug/L | 98 |
| 13) freon-113 | 2.875 | 101 | 501667 | 57.49 | ug/L | 93 |
| 14) acrolein | 2.733 | 56 | 96503 | 319.78 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.837 | 96 | 450084 | 58.73 | ug/L | 86 |
| 16) acetone | 2.885 | 43 | 364134 | 60.73 | ug/L | 97 |
| 17) Methyl Acetate | 3.252 | 43 | 617865 | 67.19 | ug/L | 93 |
| 18) methylene chloride | 3.433 | 84 | 548711 | 54.28 | ug/L | 83 |
| 19) methyl tert butyl ether | 3.803 | 73 | 1227915 | 58.42 | ug/L | 94 |
| 20) acrylonitrile | 4.579 | 53 | 833560 | 302.20 | ug/L | 98 |
| 21) allyl chloride | 3.262 | 41 | 726070 | 57.60 | ug/L | 88 |
| 22) trans-1,2-dichloroethene | 3.798 | 96 | 494761 | 56.33 | ug/L | 93 |
| 23) iodomethane | 3.005 | 142 | 764929 | 56.91 | ug/L | 97 |
| 24) carbon disulfide | 3.087 | 76 | 1495889 | 50.70 | ug/L | 100 |
| 25) propionitrile | 5.616 | 54 | 68354 | 57.39 | ug/L | 100 |
| 26) vinyl acetate | 4.498 | 43 | 706551 | 38.53 | ug/L | 96 |
| 27) chloroprene | 4.579 | 53 | 833560 | 60.44 | ug/L | 86 |
| 28) di-isopropyl ether | 4.563 | 45 | 1592649 | 56.82 | ug/L | 94 |
| 29) methacrylonitrile | 5.883 | 41 | 321460 | 60.03 | ug/L | 90 |
| 30) 2-butanone | 5.924 | 72 | 51168 | 58.32 | ug/L | 66 |
| 31) Hexane | 4.209 | 41 | 521576 | 56.68 | ug/L # | 85 |
| 32) 1,1-dichloroethane | 4.469 | 63 | 945608 | 56.74 | ug/L | 96 |
| 33) tert-butyl ethyl ether | 5.233 | 59 | 1363678 | 51.71 | ug/L | 92 |
| 34) isobutyl alcohol | 4.209 | 43 | 439791 | 284.26 | ug/L | 95 |
| 35) 2,2-dichloropropane | 5.505 | 77 | 632938 | 50.69 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 5.489 | 96 | 538854 | 55.05 | ug/L | 88 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3077.D
 Acq On : 4 Nov 2011 10:15 am
 Operator : AMYM
 Sample : bs
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:09:05 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.259 | 43 | 371159m | 53.33 | ug/L | |
| 38) bromochloromethane | 5.912 | 128 | 239497 | 56.46 | ug/L # | 74 |
| 39) chloroform | 6.130 | 83 | 979816 | 56.84 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.918 | 42 | 128272 | 59.77 | ug/L | 84 |
| 42) 1,1,1-trichloroethane | 6.372 | 97 | 812174 | 52.59 | ug/L | 97 |
| 44) Cyclohexane | 6.477 | 56 | 914300 | 52.36 | ug/L | 89 |
| 45) carbon tetrachloride | 6.625 | 117 | 706643 | 60.48 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.644 | 75 | 731692 | 56.68 | ug/L | 98 |
| 47) benzene | 6.964 | 78 | 1989513 | 55.27 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.093 | 62 | 745115 | 57.28 | ug/L | 96 |
| 49) tert-amyl methyl ether | 7.260 | 73 | 1124561 | 51.93 | ug/L | 93 |
| 50) heptane | 7.527 | 43 | 766881 | 57.83 | ug/L | 92 |
| 51) trichloroethene | 8.006 | 95 | 534691 | 56.23 | ug/L | 86 |
| 52) 1,2-dichloropropane | 8.359 | 63 | 540628 | 56.25 | ug/L | 99 |
| 53) dibromomethane | 8.463 | 93 | 318419 | 58.88 | ug/L | 96 |
| 54) bromodichloromethane | 8.717 | 83 | 692301 | 53.13 | ug/L | 99 |
| 55) Methylcyclohexane | 8.310 | 83 | 881416 | 56.68 | ug/L # | 86 |
| 56) 2-chloroethyl vinyl ether | 9.097 | 63 | 193470 | 39.88 | ug/L | 96 |
| 57) methyl methacrylate | 8.495 | 69 | 314812 | 61.66 | ug/L | 82 |
| 58) 1,4-dioxane | 8.479 | 88 | 22843 | 260.13 | ug/L # | 56 |
| 59) cis-1,3-dichloropropene | 9.248 | 75 | 796374 | 51.90 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.435 | 43 | 463644 | 56.53 | ug/L | 94 |
| 62) toluene | 9.613 | 92 | 1271117 | 55.65 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.904 | 75 | 702468 | 54.56 | ug/L | 93 |
| 64) 1,1,2-trichloroethane | 10.109 | 83 | 383548 | 56.29 | ug/L | 99 |
| 65) ethyl methacrylate | 9.986 | 69 | 595500 | 50.88 | ug/L | 86 |
| 67) tetrachloroethene | 10.166 | 166 | 556164 | 54.62 | ug/L | 98 |
| 68) 1,3-dichloropropane | 10.273 | 76 | 800563 | 55.89 | ug/L | 99 |
| 69) dibromochloromethane | 10.493 | 129 | 489745 | 53.92 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.602 | 107 | 465095 | 58.19 | ug/L | 98 |
| 71) 2-hexanone | 10.347 | 43 | 432079 | 54.22 | ug/L | 96 |
| 72) chlorobenzene | 11.102 | 112 | 1368812 | 54.72 | ug/L | 93 |
| 73) 1,1,1,2-tetrachloroethane | 11.203 | 131 | 485449 | 60.25 | ug/L | 97 |
| 74) ethylbenzene | 11.208 | 91 | 2485190 | 56.06 | ug/L | 99 |
| 75) m,p-xylene | 11.340 | 106 | 1840671 | 110.11 | ug/L | 99 |
| 76) o-xylene | 11.710 | 106 | 915010 | 56.90 | ug/L | 96 |
| 77) styrene | 11.731 | 104 | 1533773 | 57.48 | ug/L | 95 |
| 78) bromoform | 11.905 | 173 | 297171 | 49.84 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.128 | 53 | 187490 | 56.99 | ug/L | 85 |
| 81) isopropylbenzene | 12.066 | 105 | 2393185 | 63.00 | ug/L | 99 |
| 83) bromobenzene | 12.356 | 156 | 604421 | 54.12 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.364 | 83 | 611732 | 55.07 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.410 | 75 | 639223 | 48.81 | ug/L | 92 |
| 86) n-propylbenzene | 12.459 | 91 | 2919890 | 55.63 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.536 | 91 | 1764592 | 52.75 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.650 | 91 | 2048721 | 53.71 | ug/L | 95 |
| 89) 1,3,5-trimethylbenzene | 12.631 | 105 | 2051701 | 54.12 | ug/L | 100 |
| 90) tert-butylbenzene | 12.921 | 91 | 1234924 | 55.73 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 12.976 | 105 | 2076193 | 54.52 | ug/L | 98 |
| 92) sec-butylbenzene | 13.127 | 105 | 2676294 | 55.91 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3077.D
 Acq On : 4 Nov 2011 10:15 am
 Operator : AMYM
 Sample : bs
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:09:05 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.233 | 146 | 1079242 | 53.25 | ug/L | 97 |
| 94) p-isopropyltoluene | 13.272 | 119 | 2092448 | 57.38 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.331 | 146 | 1096875 | 52.36 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.653 | 146 | 1023249 | 53.69 | ug/L | 97 |
| 97) n-butylbenzene | 13.645 | 91 | 2103789 | 55.41 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.379 | 75 | 96209 | 48.50 | ug/L | 83 |
| 99) 1,3,5-trichlorobenzene | 14.546 | 180 | 825688 | 50.76 | ug/L | 96 |
| 100) 1,2,4-trichlorobenzene | 15.131 | 180 | 773107 | 53.97 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.271 | 225 | 480581 | 54.17 | ug/L | 99 |
| 102) naphthalene | 15.377 | 128 | 1708530 | 54.81 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.581 | 180 | 736495 | 52.61 | ug/L | 95 |
| 104) 2-Methylnaphthalene | 16.496 | 142 | 865804 | 44.00 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.684 | 142 | 78279 | 3.82 | ug/L | 98 |

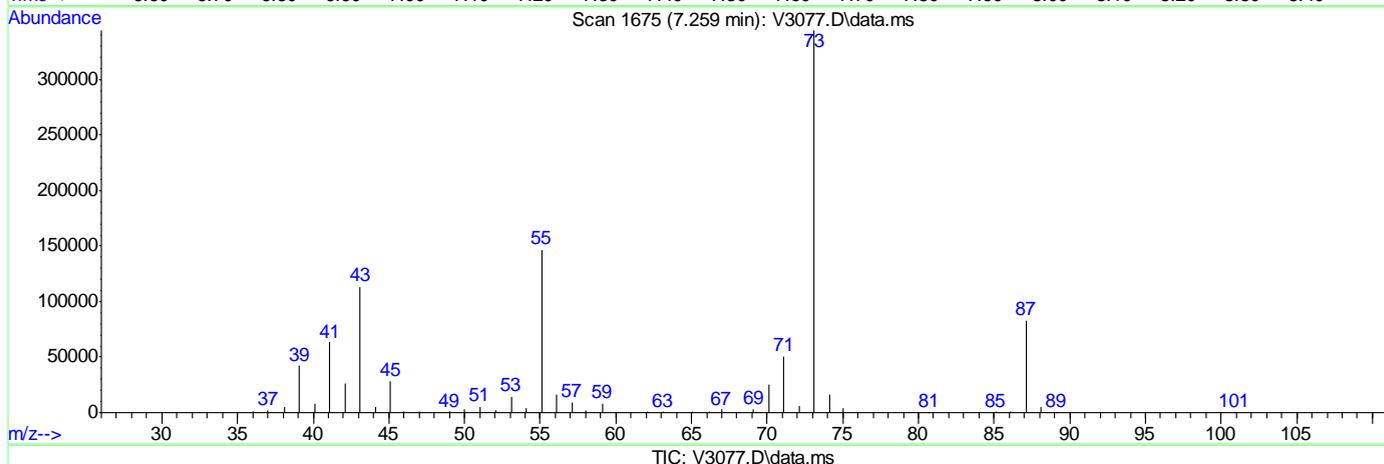
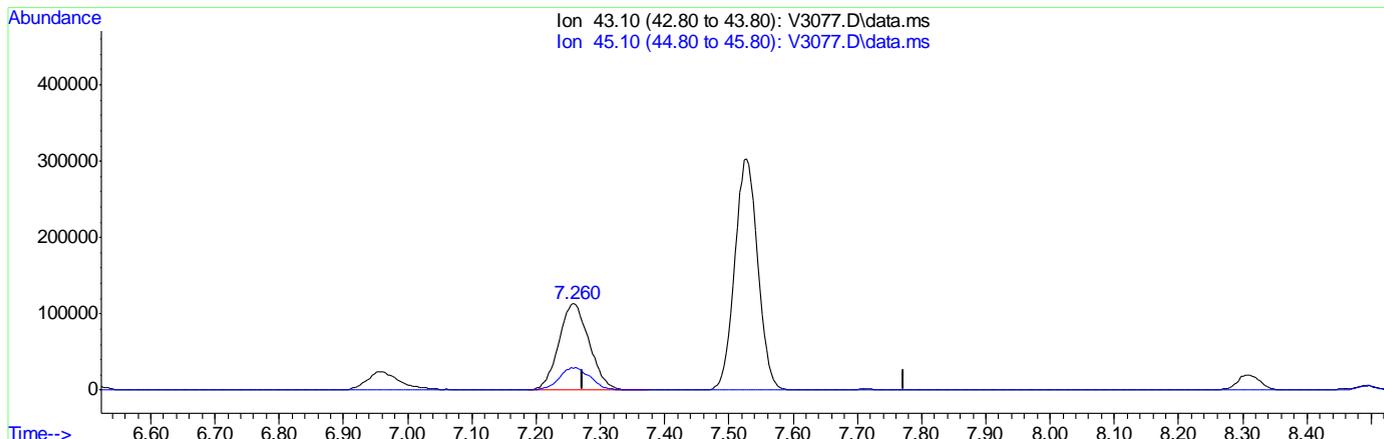
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3077.D
 Acq On : 4 Nov 2011 10:15 am
 Operator : AMYM
 Sample : bs
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:06:27 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.3.1.1
 6



(37) ethyl acetate
 7.259min (-0.014) 53.33ug/L m
 response 371159

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56601.D
 Acq On : 4 Nov 2011 10:53 am
 Sample : bs
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:10 2011

Vial: 3
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.62 | 65 | 36426 | 500.00 | ppb | -0.03 |
| 4) pentafluorobenzene | 9.10 | 168 | 231269 | 50.00 | ppb | -0.03 |
| 42) 1,4-difluorobenzene | 9.98 | 114 | 361731 | 50.00 | ppb | -0.03 |
| 65) chlorobenzene-d5 | 13.23 | 82 | 173992 | 50.00 | ppb | -0.03 |
| 79) 1,4-dichlorobenzene-d4 | 15.79 | 152 | 135112 | 50.00 | ppb | -0.03 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|-------|---------|-------|
| 39) dibromofluoromethane (s) | 8.73 | 113 | 124481 | 45.34 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 90.68% | |
| 59) toluene-d8 (s) | 11.77 | 98 | 410784 | 49.76 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 99.52% | |
| 81) bromofluorobenzene (s) | 14.46 | 95 | 152080 | 54.70 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 109.40% | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.72 | 59 | 59125 | 583.22 | ppb | 99 |
| 3) Ethanol | 5.44 | 45 | 94745 | 5755.26 | ppb | 99 |
| 5) dichlorodifluoromethane | 4.25 | 85 | 130959 | 44.48 | ppb | 97 |
| 6) chloromethane | 4.50 | 50 | 177607 | 48.29 | ppb | 96 |
| 7) vinyl chloride | 4.76 | 62 | 126619 | 42.22 | ppb | 98 |
| 8) bromomethane | 5.27 | 96 | 97252 | 49.30 | ppb | 91 |
| 9) chloroethane | 5.43 | 64 | 92315 | 51.22 | ppb | 97 |
| 10) ethyl ether | 6.35 | 59 | 79738 | 52.33 | ppb | 81 |
| 11) acetonitrile | 5.99 | 41 | 18577 | 42.28 | ppb | # 22 |
| 12) trichlorofluoromethane | 6.10 | 101 | 195104 | 50.24 | ppb | 97 |
| 13) freon-113 | 6.90 | 101 | 129844 | 51.05 | ppb | 92 |
| 14) acrolein | 6.09 | 56 | 23688 | 391.80 | ppb | 91 |
| 15) 1,1-dichloroethene | 6.70 | 96 | 117502 | 51.24 | ppb | 91 |
| 16) acetone | 6.24 | 43 | 54208 | 138.46 | ppb | 95 |
| 17) Methyl Acetate | 6.89 | 43 | 120778 | 64.50 | ppb | # 90 |
| 18) methylene chloride | 6.85 | 84 | 129967 | 51.56 | ppb | 89 |
| 19) methyl tert butyl ether | 7.66 | 73 | 197974 | 52.92 | ppb | 97 |
| 20) acrylonitrile | 6.76 | 53 | 20736 | 223.32 | ppb | 93 |
| 21) allyl chloride | 6.95 | 41 | 282580 | 51.77 | ppb | 92 |
| 22) trans-1,2-dichloroethene | 7.57 | 96 | 136237 | 52.75 | ppb | 96 |
| 23) iodomethane | 6.76 | 142 | 216715 | 49.61 | ppb | 95 |
| 24) carbon disulfide | 7.14 | 76 | 451803 | 51.08 | ppb | 98 |
| 25) propionitrile | 6.77 | 54 | 1208 | 68.23 | ppb | 100 |
| 26) vinyl acetate | 7.94 | 43 | 129718 | 34.51 | ppb | 99 |
| 27) chloroprene | 8.19 | 53 | 230067 | 55.09 | ppb | 98 |
| 28) di-isopropyl ether | 8.23 | 45 | 515578 | 52.97 | ppb | 99 |
| 29) methacrylonitrile | 8.36 | 41 | 50866 | 50.96 | ppb | 98 |
| 30) 2-butanone | 8.27 | 72 | 8614 | 82.98 | ppb | # 20 |
| 31) Hexane | 8.22 | 41 | 277423 | 51.56 | ppb | 99 |
| 32) 1,1-dichloroethane | 7.82 | 63 | 260305 | 53.01 | ppb | 99 |
| 33) tert-butyl ethyl ether | 8.64 | 59 | 296285 | 53.48 | ppb | 99 |
| 34) isobutyl alcohol | 8.64 | 43 | 55139 | 280.31 | ppb | 98 |
| 35) 2,2-dichloropropane | 8.69 | 77 | 177222 | 54.23 | ppb | 97 |
| 36) cis-1,2-dichloroethene | 8.40 | 96 | 136862 | 51.76 | ppb | 87 |
| 37) bromochloromethane | 8.57 | 128 | 53399 | 50.31 | ppb | 95 |

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

E56601.D E102011M.M

Fri Nov 04 11:15:45 2011

LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56601.D
 Acq On : 4 Nov 2011 10:53 am
 Sample : bs
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:10 2011

Vial: 3
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 38) chloroform | 8.61 | 83 | 230257 | 52.99 | ppb | 95 |
| 40) Tetrahydrofuran | 8.96 | 42 | 15100 | 43.95 | ppb | 89 |
| 41) 1,1,1-trichloroethane | 9.37 | 97 | 196256 | 53.78 | ppb | 95 |
| 43) Cyclohexane | 9.65 | 56 | 249238 | 50.64 | ppb | 96 |
| 44) carbon tetrachloride | 9.73 | 117 | 161210 | 50.83 | ppb | 97 |
| 45) 1,1-dichloropropene | 9.55 | 75 | 181381 | 52.04 | ppb | 96 |
| 46) benzene | 9.78 | 78 | 508697 | 51.00 | ppb | 97 |
| 47) 1,2-dichloroethane | 9.27 | 62 | 132168 | 54.27 | ppb | 96 |
| 48) tert-amyl methyl ether | 9.89 | 73 | 190375 | 49.47 | ppb | 97 |
| 49) heptane | 10.26 | 43 | 217360 | 49.43 | ppb | 93 |
| 50) trichloroethene | 10.40 | 95 | 126341 | 48.82 | ppb | 99 |
| 51) 1,2-dichloropropane | 10.37 | 63 | 126831 | 49.87 | ppb | 99 |
| 52) dibromomethane | 10.34 | 93 | 54144 | 50.33 | ppb | 89 |
| 53) bromodichloromethane | 10.45 | 83 | 154733 | 54.27 | ppb | 95 |
| 54) Methylcyclohexane | 10.91 | 83 | 195951 | 47.84 | ppb | 97 |
| 55) 2-chloroethyl vinyl ether | 10.84 | 63 | 4521 | 25.73 | ppb | 81 |
| 56) methyl methacrylate | 10.56 | 69 | 35129 | 50.41 | ppb | 94 |
| 57) 1,4-dioxane | 10.57 | 88 | 2609 | 258.47 | ppb | 99 |
| 58) cis-1,3-dichloropropene | 11.07 | 75 | 169119 | 52.98 | ppb | 99 |
| 60) 4-methyl-2-pentanone | 11.18 | 43 | 64783 | 55.98 | ppb | 98 |
| 61) toluene | 11.85 | 92 | 299064 | 52.18 | ppb | 97 |
| 62) trans-1,3-dichloropropene | 11.50 | 75 | 125814 | 59.47 | ppb | 89 |
| 63) 1,1,2-trichloroethane | 11.66 | 83 | 57966 | 50.17 | ppb | 95 |
| 64) ethyl methacrylate | 11.88 | 69 | 72593 | 43.97 | ppb # | 73 |
| 66) tetrachloroethene | 12.59 | 166 | 124001 | 48.66 | ppb | 96 |
| 67) 1,3-dichloropropane | 11.90 | 76 | 122314 | 52.64 | ppb | 99 |
| 68) dibromochloromethane | 12.19 | 129 | 85953 | 53.47 | ppb | 98 |
| 69) 1,2-dibromoethane | 12.45 | 107 | 67190 | 51.79 | ppb | 97 |
| 70) 2-hexanone | 12.05 | 43 | 65521 | 91.25 | ppb | 96 |
| 71) chlorobenzene | 13.27 | 112 | 302659 | 50.05 | ppb | 95 |
| 72) 1,1,1,2-tetrachloroethane | 13.19 | 131 | 106317 | 53.18 | ppb | 97 |
| 73) ethylbenzene | 13.44 | 91 | 550935 | 54.04 | ppb | 99 |
| 74) m,p-xylene | 13.63 | 106 | 417443 | 108.07 | ppb | 98 |
| 75) o-xylene | 14.04 | 106 | 197511 | 52.81 | ppb | 93 |
| 76) styrene | 13.97 | 104 | 289519 | 52.65 | ppb | 97 |
| 77) bromoform | 13.80 | 173 | 43093 | 51.88 | ppb | 98 |
| 78) trans-1,4-dichloro-2-buten | 14.19 | 53 | 18601 | 54.87 | ppb | 91 |
| 80) isopropylbenzene | 14.40 | 105 | 507392 | 64.60 | ppb | 98 |
| 82) bromobenzene | 14.69 | 156 | 108638 | 50.96 | ppb | 90 |
| 83) 1,1,2,2-tetrachloroethane | 14.05 | 83 | 68221 | 54.06 | ppb | 85 |
| 84) 1,2,3-trichloropropane | 14.19 | 75 | 72102 | 55.69 | ppb | 89 |
| 85) n-propylbenzene | 14.85 | 91 | 581303 | 55.54 | ppb | 98 |
| 86) 2-chlorotoluene | 14.97 | 91 | 360616 | 54.95 | ppb | 99 |
| 87) 4-chlorotoluene | 15.04 | 91 | 382765 | 56.99 | ppb | 99 |
| 88) 1,3,5-trimethylbenzene | 15.12 | 105 | 407868 | 55.44 | ppb | 94 |
| 89) tert-butylbenzene | 15.43 | 91 | 228726 | 58.66 | ppb | 100 |
| 90) 1,2,4-trimethylbenzene | 15.53 | 105 | 398311 | 56.67 | ppb | 99 |
| 91) sec-butylbenzene | 15.65 | 105 | 497203 | 57.51 | ppb | 100 |
| 92) 1,3-dichlorobenzene | 15.82 | 146 | 228008 | 57.43 | ppb | 98 |

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

E56601.D E102011M.M

Fri Nov 04 11:15:45 2011

LPT1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56601.D Vial: 3
 Acq On : 4 Nov 2011 10:53 am Operator: garyk
 Sample : bs Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:10 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) p-isopropyltoluene | 15.82 | 119 | 399144 | 57.85 | ppb | 97 |
| 94) 1,4-dichlorobenzene | 15.82 | 146 | 228008 | 54.36 | ppb | 96 |
| 95) 1,2-dichlorobenzene | 16.19 | 146 | 170945 | 52.29 | ppb | 97 |
| 96) n-butylbenzene | 16.24 | 91 | 382939 | 57.84 | ppb | 98 |
| 97) 1,2-dibromo-3-chloropropan | 16.66 | 75 | 9086 | 54.50 | ppb | 84 |
| 98) 1,3,5-trichlorobenzene | 17.49 | 180 | 123022 | 51.29 | ppb | 99 |
| 99) 1,2,4-trichlorobenzene | 18.06 | 180 | 89170 | 56.78 | ppb | 99 |
| 100) hexachlorobutadiene | 18.37 | 225 | 58609 | 58.54 | ppb | 98 |
| 101) naphthalene | 18.35 | 128 | 129482 | 51.98 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.57 | 180 | 73265 | 61.37 | ppb | 100 |
| 103) 2-methylnaphthalene | 19.87 | 142 | 71843 | 52.31 | ug/L | 98 |

6.3.2
6

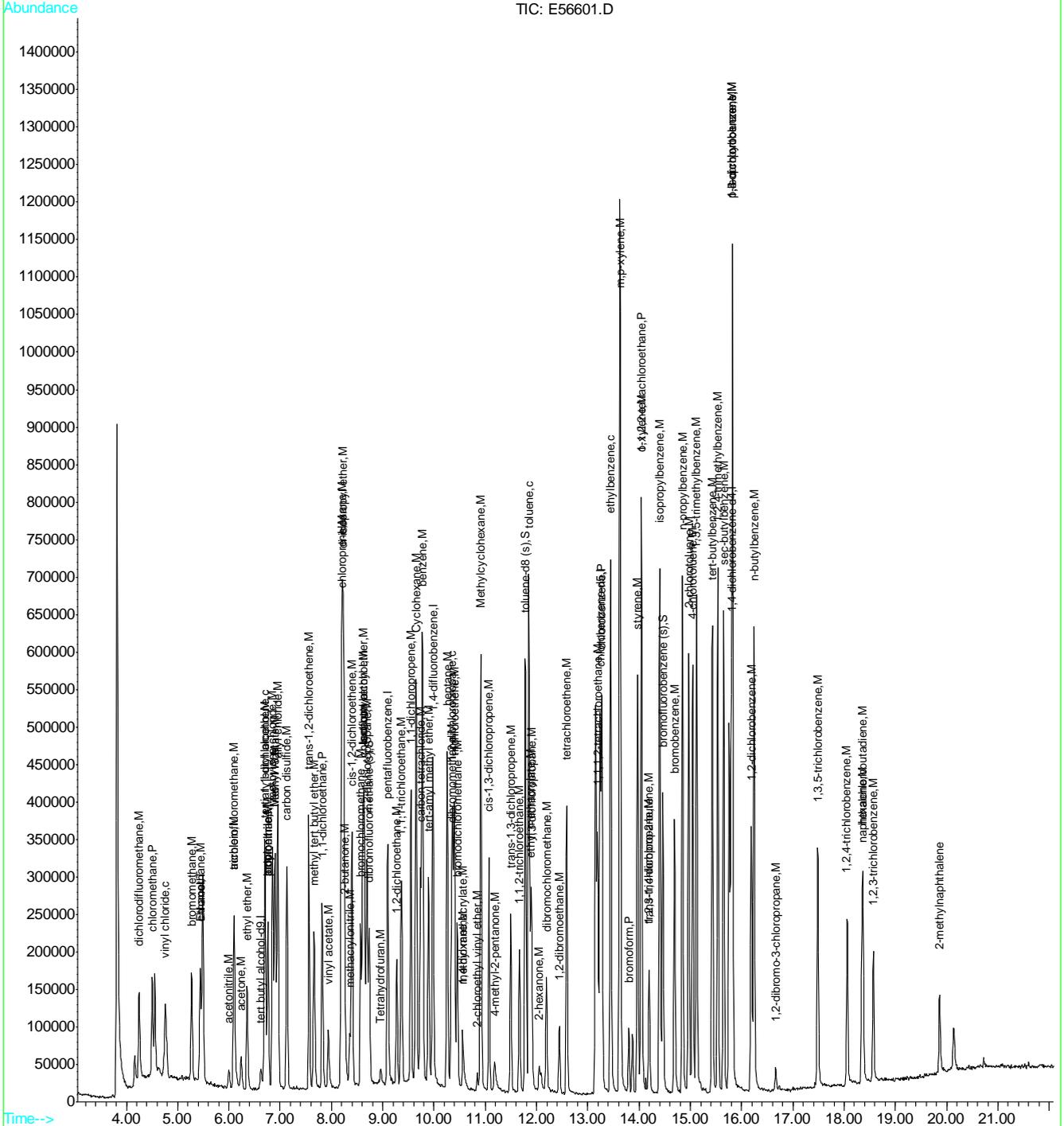
(#) = qualifier out of range (m) = manual integration
 E56601.D E102011M.M Fri Nov 04 11:15:45 2011 LPT1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56601.D
Acq On : 4 Nov 2011 10:53 am
Sample : bs
Misc : MS24295,MSE2276,10,,100,10,1
MS Integration Params: RTEINT.P
Quant Time: Nov 4 11:10 2011

Vial: 3
Operator: garyk
Inst : MSE
Multiplr: 1.00
Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 20 16:29:09 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56602.D
 Acq On : 4 Nov 2011 11:19 am
 Sample : bsd
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:27 2011

Vial: 4
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.62 | 65 | 36872 | 500.00 | ppb | -0.04 |
| 4) pentafluorobenzene | 9.10 | 168 | 223996 | 50.00 | ppb | -0.04 |
| 42) 1,4-difluorobenzene | 9.98 | 114 | 357227 | 50.00 | ppb | -0.04 |
| 65) chlorobenzene-d5 | 13.24 | 82 | 174704 | 50.00 | ppb | -0.03 |
| 79) 1,4-dichlorobenzene-d4 | 15.79 | 152 | 132991 | 50.00 | ppb | -0.04 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|------------|---------|-----|-------|
| 39) dibromofluoromethane (s) | 8.74 | 113 | 120258 | 45.23 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 90.46% | | |
| 59) toluene-d8 (s) | 11.78 | 98 | 392858 | 48.19 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 96.38% | | |
| 81) bromofluorobenzene (s) | 14.46 | 95 | 146213 | 53.43 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 106.86% | | |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.71 | 59 | 55818 | 543.94 | ppb | 94 |
| 3) Ethanol | 5.45 | 45 | 85967 | 5158.88 | ppb | 99 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 121809 | 42.72 | ppb | 98 |
| 6) chloromethane | 4.50 | 50 | 168353 | 47.26 | ppb | 97 |
| 7) vinyl chloride | 4.75 | 62 | 122392 | 42.13 | ppb | 99 |
| 8) bromomethane | 5.26 | 96 | 90967 | 47.61 | ppb | 86 |
| 9) chloroethane | 5.43 | 64 | 88436 | 50.66 | ppb | 96 |
| 10) ethyl ether | 6.35 | 59 | 77633 | 52.60 | ppb | 89 |
| 11) acetonitrile | 6.00 | 41 | 17211 | 40.44 | ppb | # 25 |
| 12) trichlorofluoromethane | 6.10 | 101 | 180244 | 47.92 | ppb | 96 |
| 13) freon-113 | 6.90 | 101 | 121484 | 49.31 | ppb | 100 |
| 14) acrolein | 6.09 | 56 | 23273 | 397.43 | ppb | 85 |
| 15) 1,1-dichloroethene | 6.70 | 96 | 109978 | 49.51 | ppb | 88 |
| 16) acetone | 6.23 | 43 | 52556 | 138.61 | ppb | 93 |
| 17) Methyl Acetate | 6.89 | 43 | 122914 | 67.77 | ppb | # 92 |
| 18) methylene chloride | 6.85 | 84 | 132113 | 54.11 | ppb | 94 |
| 19) methyl tert butyl ether | 7.67 | 73 | 192007 | 52.99 | ppb | 96 |
| 20) acrylonitrile | 6.76 | 53 | 21960 | 244.19 | ppb | 83 |
| 21) allyl chloride | 6.95 | 41 | 264067 | 49.95 | ppb | 95 |
| 22) trans-1,2-dichloroethene | 7.57 | 96 | 124167 | 49.63 | ppb | 98 |
| 23) iodomethane | 6.76 | 142 | 207794 | 49.11 | ppb | 96 |
| 24) carbon disulfide | 7.13 | 76 | 429141 | 50.09 | ppb | 98 |
| 25) propionitrile | 6.75 | 54 | 695m | 40.53 | ppb | |
| 26) vinyl acetate | 7.94 | 43 | 120314 | 33.05 | ppb | 98 |
| 27) chloroprene | 8.19 | 53 | 216904 | 53.63 | ppb | 99 |
| 28) di-isopropyl ether | 8.24 | 45 | 504267 | 53.49 | ppb | 95 |
| 29) methacrylonitrile | 8.37 | 41 | 47686 | 49.33 | ppb | 95 |
| 30) 2-butanone | 8.26 | 72 | 11407 | 112.45 | ppb | # 1 |
| 31) Hexane | 8.21 | 41 | 256422 | 49.21 | ppb | 98 |
| 32) 1,1-dichloroethane | 7.82 | 63 | 256463 | 53.92 | ppb | 98 |
| 33) tert-butyl ether | 8.64 | 59 | 292432 | 54.50 | ppb | 96 |
| 34) isobutyl alcohol | 8.64 | 43 | 52866 | 277.30 | ppb | 91 |
| 35) 2,2-dichloropropane | 8.69 | 77 | 167039 | 52.78 | ppb | 96 |
| 36) cis-1,2-dichloroethene | 8.40 | 96 | 131349 | 51.29 | ppb | 96 |
| 37) bromochloromethane | 8.57 | 128 | 48596 | 47.27 | ppb | 91 |

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

E56602.D E102011M.M

Fri Nov 04 13:27:46 2011

LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56602.D
 Acq On : 4 Nov 2011 11:19 am
 Sample : bsd
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:27 2011

Vial: 4
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 38) chloroform | 8.61 | 83 | 219562 | 52.17 | ppb | 100 |
| 40) Tetrahydrofuran | 8.96 | 42 | 16520 | 49.61 | ppb | 89 |
| 41) 1,1,1-trichloroethane | 9.37 | 97 | 177019 | 50.09 | ppb | 94 |
| 43) Cyclohexane | 9.66 | 56 | 240489 | 49.48 | ppb | 98 |
| 44) carbon tetrachloride | 9.74 | 117 | 153303 | 48.95 | ppb | 94 |
| 45) 1,1-dichloropropene | 9.55 | 75 | 167041 | 48.53 | ppb | 98 |
| 46) benzene | 9.77 | 78 | 480351 | 48.76 | ppb | 96 |
| 47) 1,2-dichloroethane | 9.27 | 62 | 128381 | 53.38 | ppb | 96 |
| 48) tert-amyl methyl ether | 9.89 | 73 | 198718 | 52.29 | ppb | 96 |
| 49) heptane | 10.25 | 43 | 207458 | 47.77 | ppb | 94 |
| 50) trichloroethene | 10.40 | 95 | 123508 | 48.33 | ppb | 95 |
| 51) 1,2-dichloropropane | 10.36 | 63 | 122132 | 48.62 | ppb | 98 |
| 52) dibromomethane | 10.34 | 93 | 54898 | 51.68 | ppb | 88 |
| 53) bromodichloromethane | 10.45 | 83 | 147458 | 52.37 | ppb | 95 |
| 54) Methylcyclohexane | 10.91 | 83 | 181332 | 44.83 | ppb | 97 |
| 55) 2-chloroethyl vinyl ether | 10.84 | 63 | 4938 | 28.46 | ppb | 94 |
| 56) methyl methacrylate | 10.57 | 69 | 34855 | 50.62 | ppb | 97 |
| 57) 1,4-dioxane | 10.56 | 88 | 2669 | 267.75 | ppb # | 49 |
| 58) cis-1,3-dichloropropene | 11.07 | 75 | 162898 | 51.67 | ppb | 95 |
| 60) 4-methyl-2-pentanone | 11.18 | 43 | 64184 | 56.15 | ppb | 98 |
| 61) toluene | 11.85 | 92 | 290670 | 51.36 | ppb | 96 |
| 62) trans-1,3-dichloropropene | 11.49 | 75 | 124451 | 59.57 | ppb | 92 |
| 63) 1,1,2-trichloroethane | 11.67 | 83 | 56407 | 49.44 | ppb | 94 |
| 64) ethyl methacrylate | 11.88 | 69 | 74028 | 45.39 | ppb | 87 |
| 66) tetrachloroethene | 12.59 | 166 | 117334 | 45.86 | ppb | 94 |
| 67) 1,3-dichloropropane | 11.90 | 76 | 120366 | 51.59 | ppb | 96 |
| 68) dibromochloromethane | 12.19 | 129 | 84736 | 52.50 | ppb | 94 |
| 69) 1,2-dibromoethane | 12.45 | 107 | 64803 | 49.75 | ppb | 96 |
| 70) 2-hexanone | 12.05 | 43 | 62350 | 86.94 | ppb | 92 |
| 71) chlorobenzene | 13.27 | 112 | 292492 | 48.17 | ppb | 97 |
| 72) 1,1,1,2-tetrachloroethane | 13.19 | 131 | 100308 | 49.97 | ppb | 97 |
| 73) ethylbenzene | 13.45 | 91 | 526298 | 51.42 | ppb | 96 |
| 74) m,p-xylene | 13.63 | 106 | 402985 | 103.90 | ppb | 97 |
| 75) o-xylene | 14.04 | 106 | 197643 | 52.63 | ppb | 96 |
| 76) styrene | 13.97 | 104 | 286973 | 51.97 | ppb | 99 |
| 77) bromoform | 13.80 | 173 | 43218 | 51.82 | ppb | 91 |
| 78) trans-1,4-dichloro-2-buten | 14.19 | 53 | 16741 | 49.37 | ppb # | 84 |
| 80) isopropylbenzene | 14.40 | 105 | 488584 | 63.20 | ppb | 98 |
| 82) bromobenzene | 14.70 | 156 | 108991 | 51.94 | ppb | 97 |
| 83) 1,1,2,2-tetrachloroethane | 14.05 | 83 | 67472 | 54.32 | ppb | 98 |
| 84) 1,2,3-trichloropropane | 14.20 | 75 | 71111 | 55.81 | ppb | 97 |
| 85) n-propylbenzene | 14.85 | 91 | 573766 | 55.70 | ppb | 95 |
| 86) 2-chlorotoluene | 14.97 | 91 | 354516 | 54.88 | ppb | 94 |
| 87) 4-chlorotoluene | 15.04 | 91 | 367784 | 55.63 | ppb | 96 |
| 88) 1,3,5-trimethylbenzene | 15.13 | 105 | 387536 | 53.52 | ppb | 96 |
| 89) tert-butylbenzene | 15.43 | 91 | 218090 | 56.83 | ppb | 100 |
| 90) 1,2,4-trimethylbenzene | 15.53 | 105 | 386911 | 55.93 | ppb | 100 |
| 91) sec-butylbenzene | 15.65 | 105 | 477933 | 56.16 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.76 | 146 | 206376 | 52.81 | ppb | 99 |

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

E56602.D E102011M.M

Fri Nov 04 13:27:47 2011

LPT1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56602.D Vial: 4
 Acq On : 4 Nov 2011 11:19 am Operator: garyk
 Sample : bsd Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:27 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 93) p-isopropyltoluene | 15.83 | 119 | 384249 | 56.58 | ppb | 99 |
| 94) 1,4-dichlorobenzene | 15.82 | 146 | 213051 | 51.60 | ppb | 93 |
| 95) 1,2-dichlorobenzene | 16.19 | 146 | 164589 | 51.15 | ppb | 97 |
| 96) n-butylbenzene | 16.24 | 91 | 375301 | 57.59 | ppb | 97 |
| 97) 1,2-dibromo-3-chloropropan | 16.66 | 75 | 8843 | 53.92 | ppb # | 80 |
| 98) 1,3,5-trichlorobenzene | 17.49 | 180 | 124006 | 52.52 | ppb | 100 |
| 99) 1,2,4-trichlorobenzene | 18.06 | 180 | 89530 | 57.92 | ppb | 96 |
| 100) hexachlorobutadiene | 18.37 | 225 | 59253 | 60.37 | ppb | 96 |
| 101) naphthalene | 18.35 | 128 | 132145 | 53.62 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.57 | 180 | 72848 | 62.00 | ppb | 93 |
| 103) 2-methylnaphthalene | 19.86 | 142 | 107290 | 78.69 | ug/L | 99 |

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

E56602.D E102011M.M Fri Nov 04 13:27:47 2011 LPT1

Page 3

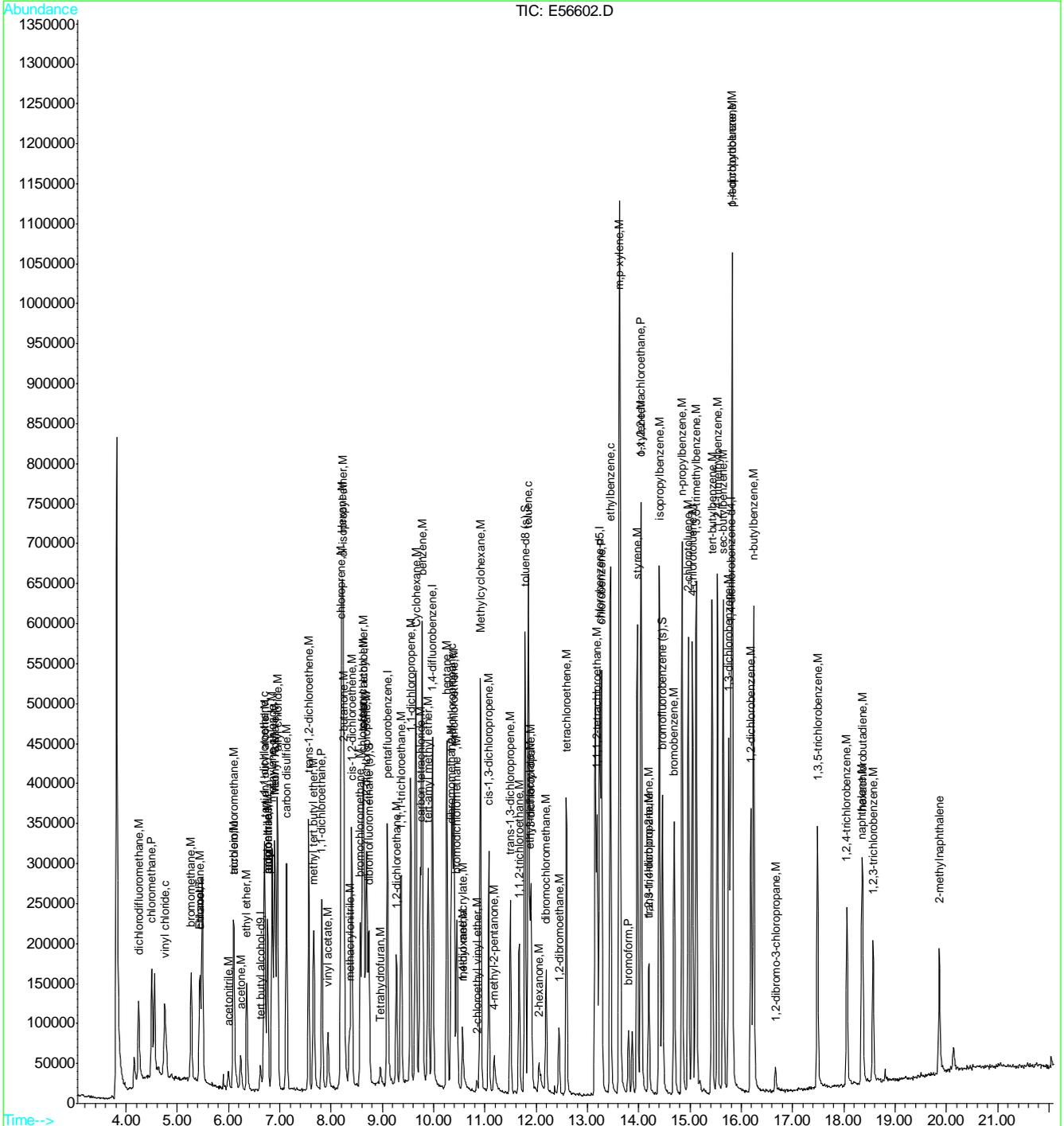
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56602.D
Acq On : 4 Nov 2011 11:19 am
Sample : bsd
Misc : MS24295,MSE2276,10,,100,10,1
MS Integration Params: RTEINT.P
Quant Time: Nov 4 13:27 2011

Vial: 4
Operator: garyk
Inst : MSE
Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 20 16:29:09 2011
Response via : Initial Calibration



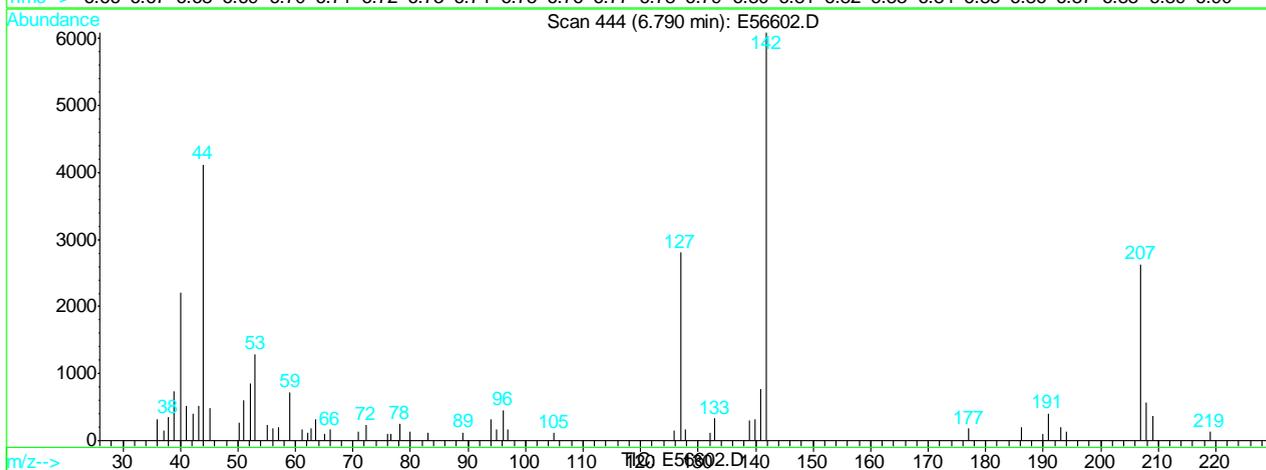
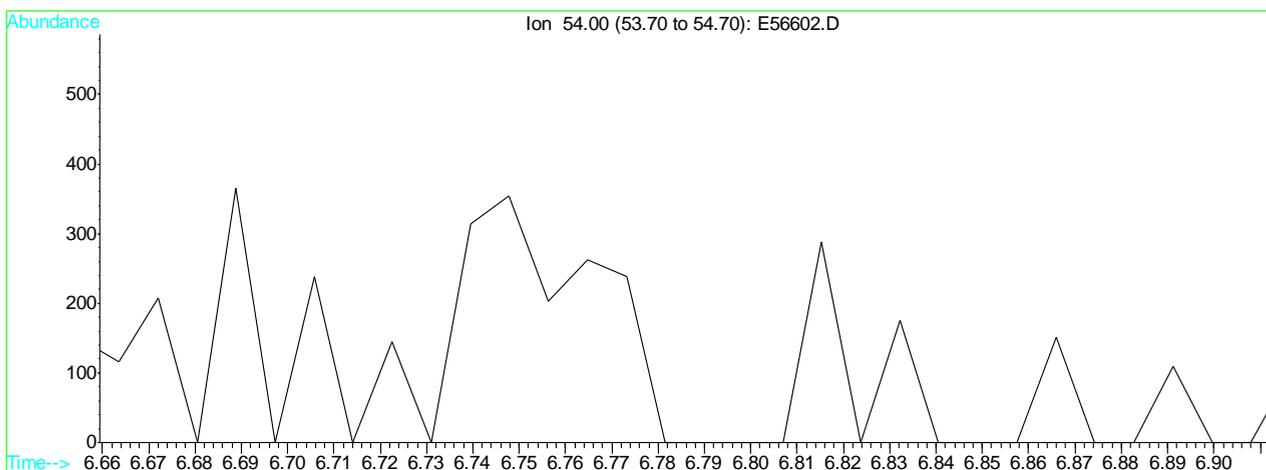
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56602.D
 Acq On : 4 Nov 2011 11:19 am
 Sample : bsd
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:26 2011

Vial: 4
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

6.3.3.1
 6



(25) propionitrile (M)

6.79min 0.00ppb

response 0

| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

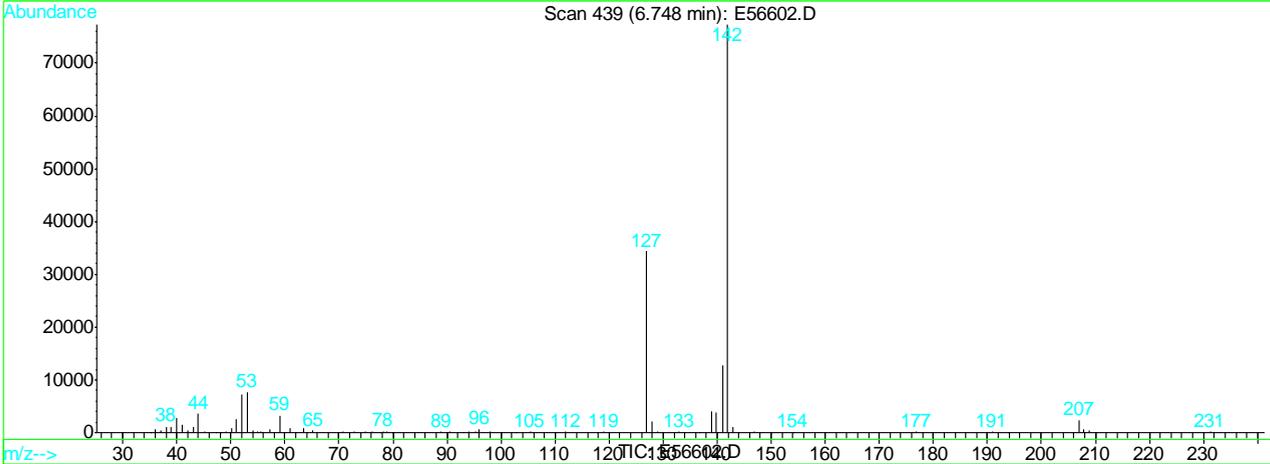
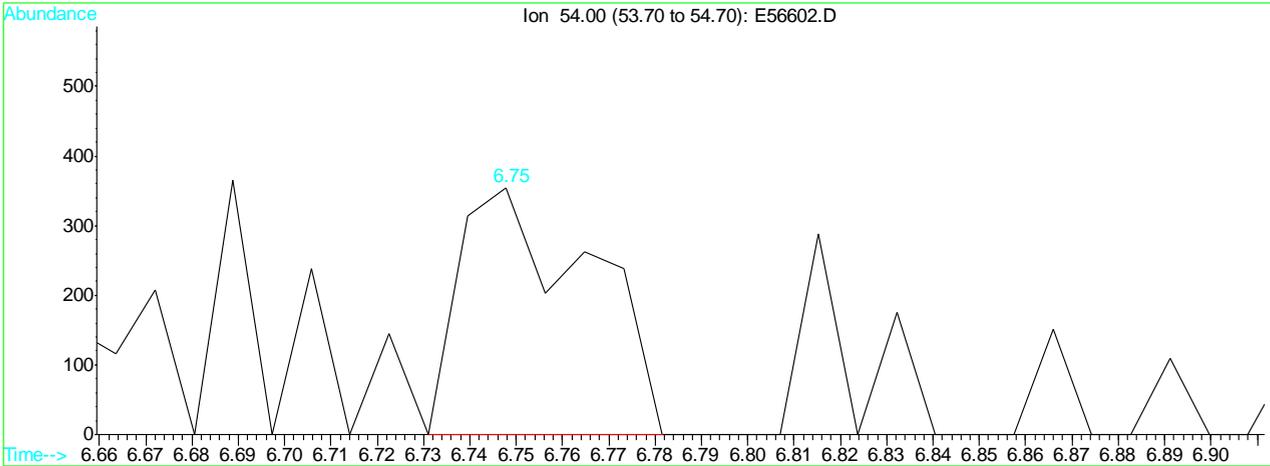
Data File : C:\HPCHEM\1\DATA\E56602.D
 Acq On : 4 Nov 2011 11:19 am
 Sample : bsd
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 13:27 2011

Vial: 4
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

6.3.3.2

6



(25) propionitrile (M)

6.75min 40.53ppb m

response 695

| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|--------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.487 | 65 | 313086 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.503 | 168 | 834725 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.695 | 114 | 1255591 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.057 | 82 | 764223 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.293 | 152 | 707216 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.383 | 113 | 369044 | 42.54 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 85.08% | |
| 60) toluene-d8 (s) | 9.520 | 98 | 1525806 | 44.31 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.62% | |
| 82) bromofluorobenzene (s) | 12.216 | 95 | 897093 | 58.83 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 117.66% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.591 | 59 | 421466 | 500.92 | ug/L | | 99 |
| 3) Ethanol | 2.483 | 45 | 199265 | 4567.01 | ug/L | | 86 |
| 5) dichlorodifluoromethane | 1.507 | 85 | 674177 | 55.78 | ug/L | | 99 |
| 6) chloromethane | 1.605 | 50 | 545366 | 47.72 | ug/L | | 99 |
| 7) vinyl chloride | 1.719 | 62 | 558480 | 43.86 | ug/L | | 95 |
| 8) bromomethane | 1.995 | 96 | 372231 | 53.72 | ug/L | | 96 |
| 9) chloroethane | 2.092 | 64 | 310549 | 51.49 | ug/L | | 97 |
| 10) ethyl ether | 2.581 | 59 | 350987 | 49.62 | ug/L | | 93 |
| 11) acetonitrile | 3.258 | 41 | 818534 | 53.21 | ug/L | | 95 |
| 12) trichlorofluoromethane | 2.334 | 101 | 739939m | 51.71 | ug/L | | |
| 13) freon-113 | 2.874 | 101 | 571460 | 55.27 | ug/L | | 97 |
| 14) acrolein | 2.732 | 56 | 153912 | 430.47 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.837 | 96 | 511494 | 56.33 | ug/L | | 89 |
| 16) acetone | 2.884 | 43 | 353939 | 50.32 | ug/L | | 96 |
| 17) Methyl Acetate | 3.248 | 43 | 649160 | 59.59 | ug/L # | | 91 |
| 18) methylene chloride | 3.428 | 84 | 615850 | 51.32 | ug/L | | 87 |
| 19) methyl tert butyl ether | 3.795 | 73 | 1367578 | 54.91 | ug/L | | 97 |
| 20) acrylonitrile | 4.566 | 53 | 931961 | 285.17 | ug/L | | 99 |
| 21) allyl chloride | 3.258 | 41 | 816314 | 54.66 | ug/L | | 89 |
| 22) trans-1,2-dichloroethene | 3.791 | 96 | 557866 | 53.61 | ug/L | | 90 |
| 23) iodomethane | 3.003 | 142 | 883665 | 55.49 | ug/L | | 98 |
| 24) carbon disulfide | 3.085 | 76 | 1701668 | 48.84 | ug/L | | 99 |
| 25) propionitrile | 5.598 | 54 | 71844 | 50.91 | ug/L | | 100 |
| 26) vinyl acetate | 4.485 | 43 | 777132 | 35.78 | ug/L | | 93 |
| 27) chloroprene | 4.566 | 53 | 931961 | 57.03 | ug/L | | 84 |
| 28) di-isopropyl ether | 4.550 | 45 | 1757728 | 52.93 | ug/L | | 94 |
| 29) methacrylonitrile | 5.864 | 41 | 341925 | 53.89 | ug/L | | 94 |
| 30) 2-butanone | 5.906 | 72 | 55731 | 53.62 | ug/L | | 88 |
| 31) Hexane | 4.198 | 41 | 561214 | 51.48 | ug/L # | | 86 |
| 32) 1,1-dichloroethane | 4.455 | 63 | 1046666 | 53.01 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.216 | 59 | 1530566 | 49.16 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.197 | 43 | 473323 | 258.21 | ug/L | | 90 |
| 35) 2,2-dichloropropane | 5.488 | 77 | 728618 | 49.41 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.472 | 96 | 613170 | 52.87 | ug/L | | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.241 | 43 | 408073m | 49.73 | ug/L | |
| 38) bromochloromethane | 5.894 | 128 | 270632 | 53.85 | ug/L # | 79 |
| 39) chloroform | 6.112 | 83 | 1080101 | 52.89 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.902 | 42 | 137070 | 53.90 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.353 | 97 | 913139 | 50.06 | ug/L | 95 |
| 44) Cyclohexane | 6.458 | 56 | 1019294 | 49.06 | ug/L | 94 |
| 45) carbon tetrachloride | 6.606 | 117 | 802614 | 57.74 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.625 | 75 | 822407 | 53.55 | ug/L | 98 |
| 47) benzene | 6.945 | 78 | 2227011 | 52.00 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.074 | 62 | 815492 | 52.69 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.242 | 73 | 1248295 | 48.66 | ug/L | 94 |
| 50) heptane | 7.509 | 43 | 812095 | 51.47 | ug/L | 92 |
| 51) trichloroethene | 7.989 | 95 | 606308 | 53.60 | ug/L | 90 |
| 52) 1,2-dichloropropane | 8.342 | 63 | 601614 | 52.61 | ug/L | 98 |
| 53) dibromomethane | 8.446 | 93 | 347380 | 53.99 | ug/L | 98 |
| 54) bromodichloromethane | 8.700 | 83 | 770197 | 49.88 | ug/L | 99 |
| 55) Methylcyclohexane | 8.293 | 83 | 971663 | 52.52 | ug/L | 92 |
| 56) 2-chloroethyl vinyl ether | 9.080 | 63 | 240436 | 41.55 | ug/L | 96 |
| 57) methyl methacrylate | 8.479 | 69 | 341253 | 56.18 | ug/L | 85 |
| 58) 1,4-dioxane | 8.460 | 88 | 24876 | 239.61 | ug/L | 58 |
| 59) cis-1,3-dichloropropene | 9.231 | 75 | 895692 | 49.25 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.419 | 43 | 486147 | 49.71 | ug/L | 96 |
| 62) toluene | 9.596 | 92 | 1418144 | 52.18 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.888 | 75 | 790257 | 51.81 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.093 | 83 | 422210 | 52.08 | ug/L | 99 |
| 65) ethyl methacrylate | 9.971 | 69 | 657409 | 47.27 | ug/L | 85 |
| 67) tetrachloroethene | 10.150 | 166 | 639048 | 52.56 | ug/L | 98 |
| 68) 1,3-dichloropropane | 10.257 | 76 | 879730 | 51.45 | ug/L | 99 |
| 69) dibromochloromethane | 10.477 | 129 | 550675 | 50.99 | ug/L | 99 |
| 70) 1,2-dibromoethane | 10.586 | 107 | 512965 | 53.76 | ug/L | 100 |
| 71) 2-hexanone | 10.332 | 43 | 478830 | 50.60 | ug/L | 97 |
| 72) chlorobenzene | 11.086 | 112 | 1542665 | 51.66 | ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 11.187 | 131 | 549663 | 57.14 | ug/L | 98 |
| 74) ethylbenzene | 11.193 | 91 | 2771371 | 52.37 | ug/L | 99 |
| 75) m,p-xylene | 11.325 | 106 | 2056158 | 103.03 | ug/L | 100 |
| 76) o-xylene | 11.695 | 106 | 1026071 | 53.44 | ug/L | 97 |
| 77) styrene | 11.716 | 104 | 1719569 | 53.98 | ug/L | 96 |
| 78) bromoform | 11.889 | 173 | 337796 | 47.73 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 12.113 | 53 | 200712 | 51.13 | ug/L | 87 |
| 81) isopropylbenzene | 12.051 | 105 | 2652387 | 56.98 | ug/L | 98 |
| 83) bromobenzene | 12.341 | 156 | 679849 | 49.68 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.349 | 83 | 656841 | 48.25 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.395 | 75 | 702224 | 43.89 | ug/L | 84 |
| 86) n-propylbenzene | 12.444 | 91 | 3192243 | 49.63 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.521 | 91 | 1966246 | 47.97 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.635 | 91 | 2271144 | 48.59 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.616 | 105 | 2267139 | 48.81 | ug/L | 99 |
| 90) tert-butylbenzene | 12.906 | 91 | 1363235 | 50.21 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 12.961 | 105 | 2290831 | 49.09 | ug/L | 98 |
| 92) sec-butylbenzene | 13.112 | 105 | 2926997 | 49.91 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : cc126-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

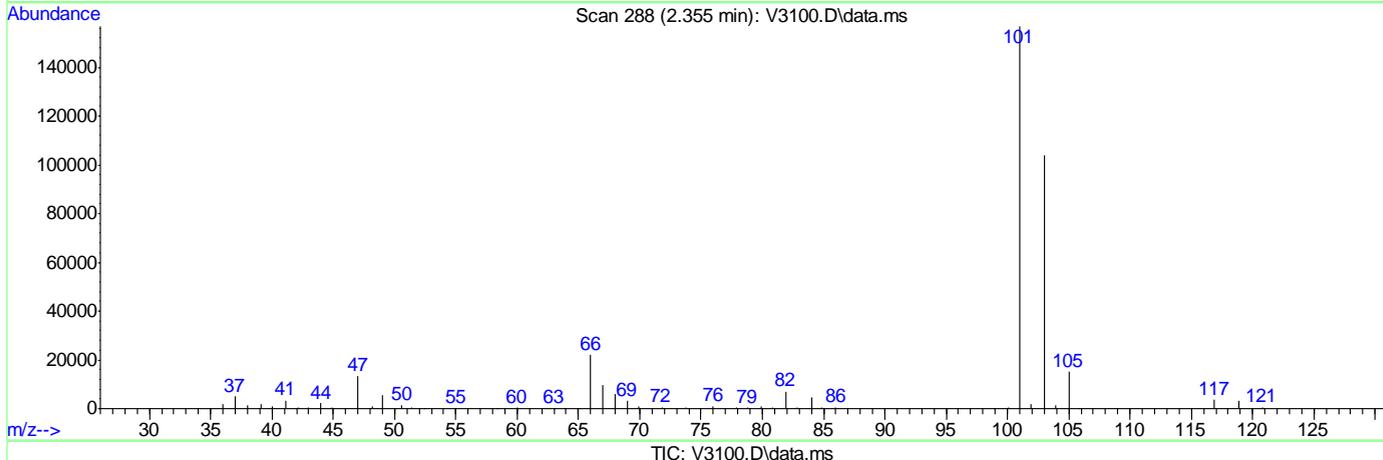
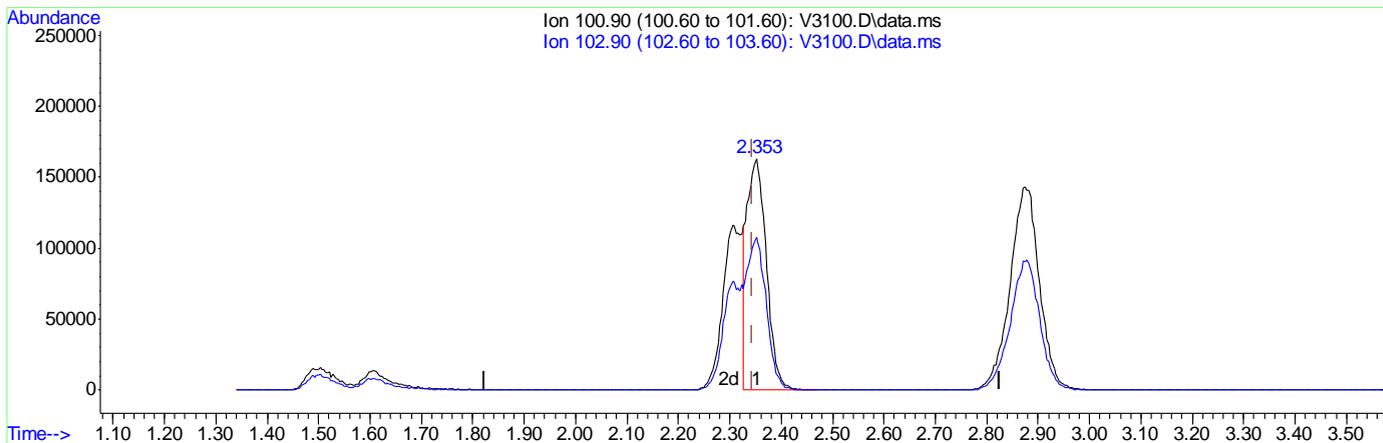
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.218 | 146 | 1207671 | 48.63 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.257 | 119 | 2292109 | 51.30 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.315 | 146 | 1225203 | 47.73 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.637 | 146 | 1157010 | 49.55 | ug/L | 97 |
| 97) n-butylbenzene | 13.630 | 91 | 2263177 | 48.64 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.363 | 75 | 103585 | 43.39 | ug/L | 93 |
| 99) 1,3,5-trichlorobenzene | 14.530 | 180 | 912532 | 45.79 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.114 | 180 | 868677 | 49.49 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.253 | 225 | 536666 | 49.37 | ug/L | 98 |
| 102) naphthalene | 15.359 | 128 | 1906450 | 49.91 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.563 | 180 | 834141 | 48.63 | ug/L | 95 |
| 104) 2-Methylnaphthalene | 16.471 | 142 | 986172 | 40.92 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.659 | 142 | 91477 | 3.60 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.353min (+0.008) 29.72ug/L

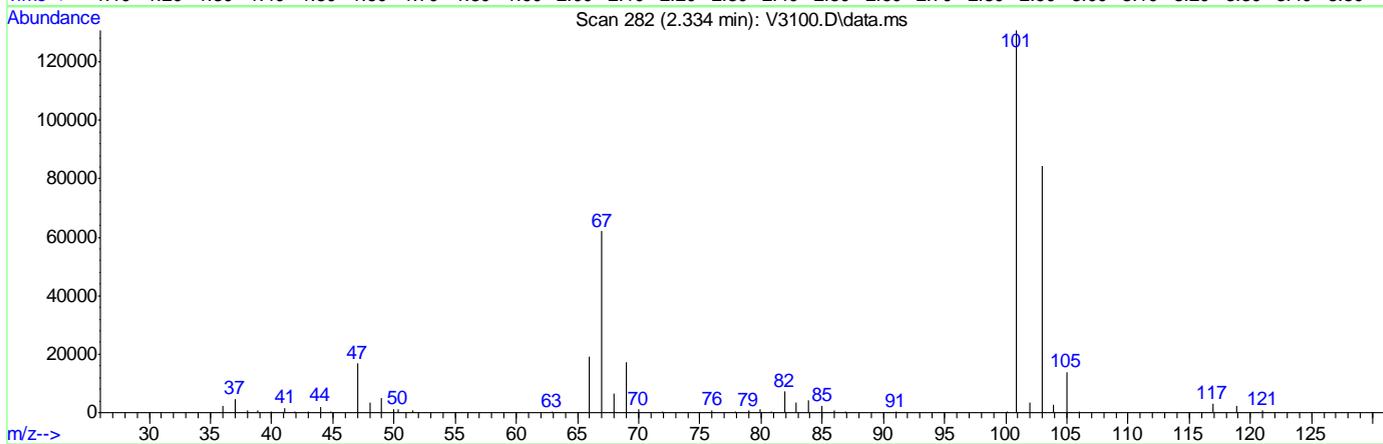
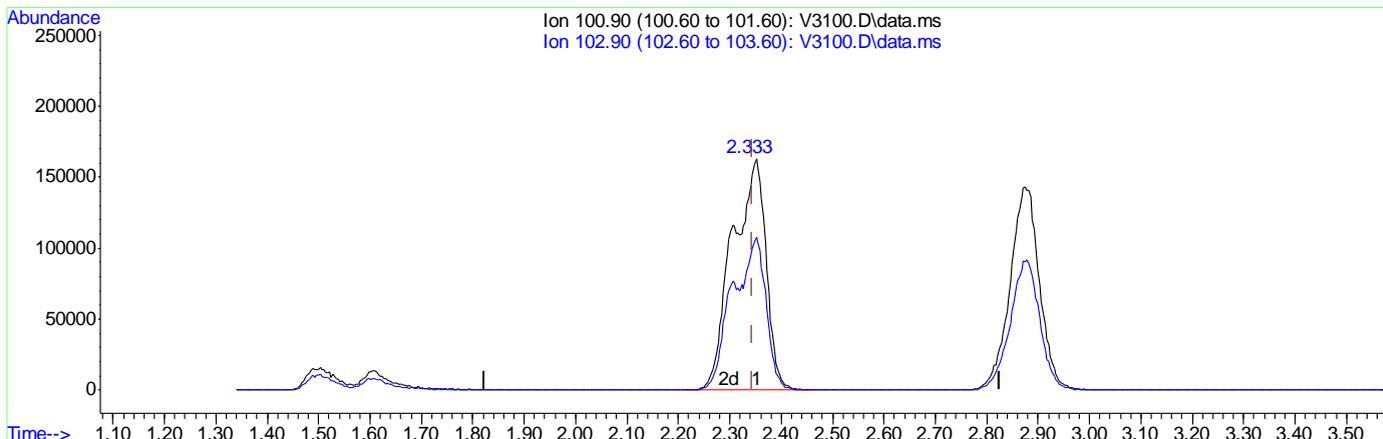
response 425235

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 66.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.334min (-0.011) 51.71ug/L m

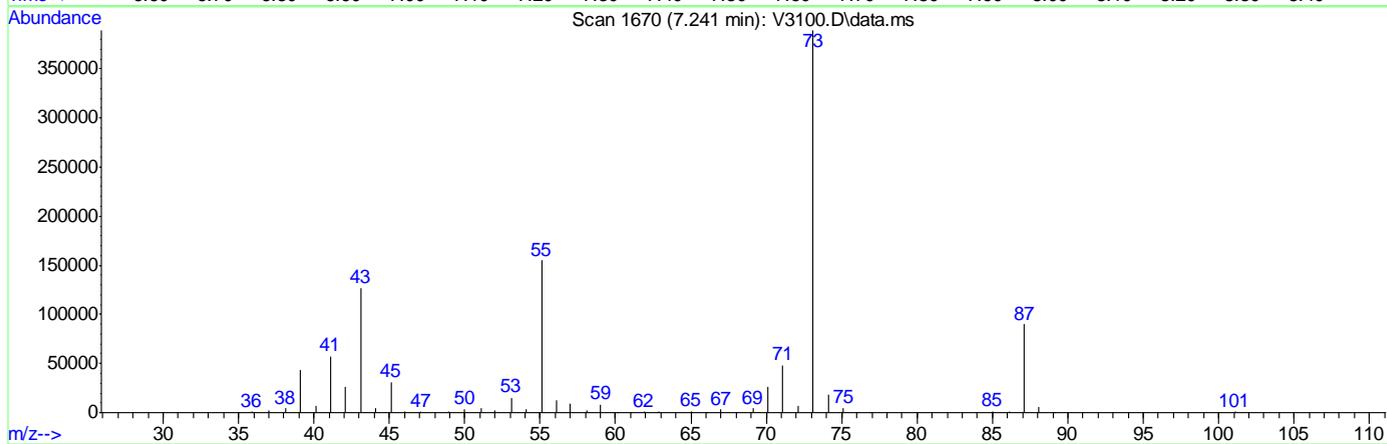
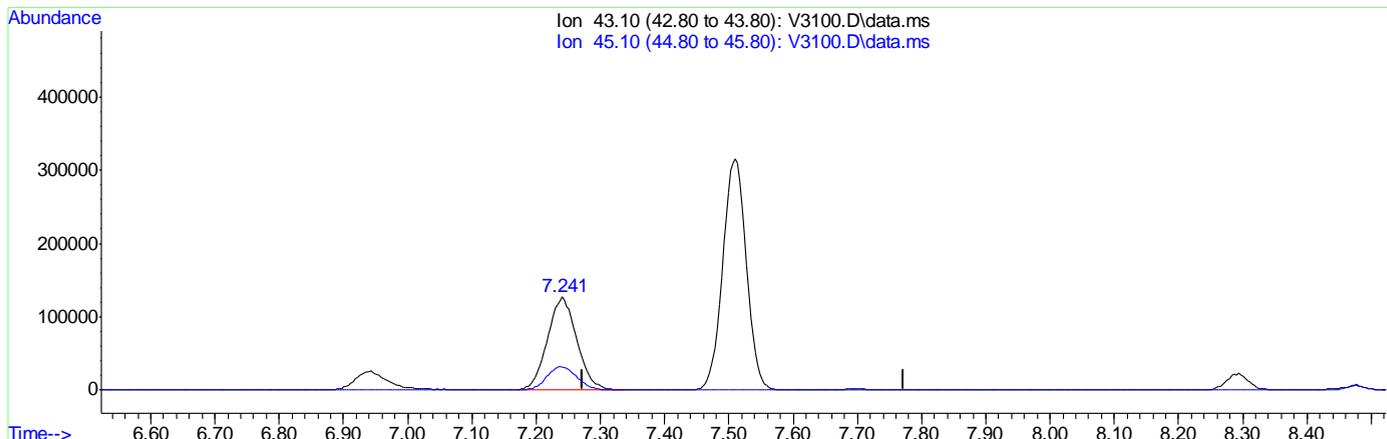
response 739939

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 64.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.241min (-0.032) 49.73ug/L m
 response 408073

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24316.D
 Acq On : 7 Nov 2011 1:06 pm
 Operator : danat
 Sample : bs
 Misc : MS24310,MSR902,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 15:48:48 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.662 | 65 | 40092 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.077 | 168 | 106581 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.948 | 114 | 173044 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.206 | 82 | 89630 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 82768 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.719 | 113 | 80211 | 44.09 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.18% |
| 60) toluene-d8 (s) | 11.746 | 98 | 298591 | 44.54 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 89.08% |
| 82) bromofluorobenzene (s) | 14.431 | 95 | 115750 | 45.03 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 90.06% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 6.742 | 59 | 67638 | 511.19 | ug/L | 97 |
| 3) Ethanol | 5.603 | 45 | 93991 | 4327.16 | ug/L # | 37 |
| 5) dichlorodifluoromethane | 4.400 | 85 | 88943 | 52.86 | ug/L | 96 |
| 6) chloromethane | 4.633 | 50 | 79201 | 45.72 | ug/L | 98 |
| 7) vinyl chloride | 4.883 | 62 | 77334 | 40.99 | ug/L | 100 |
| 8) bromomethane | 5.365 | 96 | 79467 | 51.19 | ug/L | 98 |
| 9) chloroethane | 5.522 | 64 | 75021 | 53.67 | ug/L | 100 |
| 10) ethyl ether | 6.386 | 59 | 79028 | 53.31 | ug/L | 96 |
| 11) acetonitrile | 6.193 | 41 | 16532 | 62.41 | ug/L | 83 |
| 12) trichlorofluoromethane | 6.176 | 101 | 146268 | 51.14 | ug/L | 100 |
| 13) freon-113 | 6.938 | 101 | 95280 | 54.24 | ug/L | 98 |
| 14) acrolein | 6.168 | 56 | 5224 | 174.94 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.740 | 96 | 86657 | 55.59 | ug/L | 97 |
| 16) acetone | 6.278 | 43 | 48403 | 72.64 | ug/L | 98 |
| 17) Methyl Acetate | 6.909 | 43 | 143081 | 70.64 | ug/L | 99 |
| 18) methylene chloride | 6.888 | 84 | 108503 | 52.56 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.665 | 73 | 254063 | 52.45 | ug/L | 99 |
| 20) acrylonitrile | 6.783 | 53 | 37943 | 284.75 | ug/L | 99 |
| 21) allyl chloride | 6.979 | 41 | 143367 | 55.86 | ug/L | 99 |
| 22) trans-1,2-dichloroethene | 7.574 | 96 | 95937 | 53.44 | ug/L | 99 |
| 23) iodomethane | 6.801 | 142 | 148849 | 53.51 | ug/L | 100 |
| 24) carbon disulfide | 7.171 | 76 | 291325 | 60.55 | ug/L | 98 |
| 25) propionitrile | 7.833 | 54 | 13065 | 53.43 | ug/L | 100 |
| 26) vinyl acetate | 7.921 | 43 | 124713 | 39.29 | ug/L | 100 |
| 27) chloroprene | 8.190 | 53 | 147845 | 57.85 | ug/L | 99 |
| 28) di-isopropyl ether | 8.227 | 45 | 321187 | 54.23 | ug/L | 95 |
| 29) methacrylonitrile | 8.340 | 41 | 56957 | 53.61 | ug/L | 97 |
| 30) 2-butanone | 8.230 | 72 | 15303 | 65.10 | ug/L # | 75 |
| 31) Hexane | 8.212 | 41 | 151385 | 58.33 | ug/L | 92 |
| 32) 1,1-dichloroethane | 7.825 | 63 | 179381 | 53.74 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.622 | 59 | 291408 | 53.79 | ug/L | 99 |
| 34) isobutyl alcohol | 8.642 | 43 | 48385 | 275.55 | ug/L | 97 |
| 35) 2,2-dichloropropane | 8.687 | 77 | 120645 | 56.71 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.395 | 96 | 104528 | 51.89 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24316.D
 Acq On : 7 Nov 2011 1:06 pm
 Operator : danat
 Sample : bs
 Misc : MS24310,MSR902,5,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 15:48:48 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 9.866 | 43 | 81246m | 53.37 | ug/L | |
| 38) bromochloromethane | 8.560 | 128 | 49217 | 51.62 | ug/L | 96 |
| 39) chloroform | 8.599 | 83 | 171608 | 52.68 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.927 | 42 | 26012 | 55.86 | ug/L | 94 |
| 42) 1,1,1-trichloroethane | 9.352 | 97 | 138579 | 50.95 | ug/L | 97 |
| 44) Cyclohexane | 9.637 | 56 | 183203 | 55.41 | ug/L | 95 |
| 45) carbon tetrachloride | 9.716 | 117 | 123857 | 55.59 | ug/L | 98 |
| 46) 1,1-dichloropropene | 9.525 | 75 | 132536 | 53.67 | ug/L | 97 |
| 47) benzene | 9.749 | 78 | 398741 | 52.91 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.249 | 62 | 124968 | 52.03 | ug/L | 100 |
| 49) tert-amyl methyl ether | 9.868 | 73 | 258780 | 53.69 | ug/L | 99 |
| 50) heptane | 10.227 | 43 | 153605 | 61.77 | ug/L | 98 |
| 51) trichloroethene | 10.369 | 95 | 98876 | 52.16 | ug/L | 99 |
| 52) 1,2-dichloropropane | 10.335 | 63 | 102822 | 53.29 | ug/L | 99 |
| 53) dibromomethane | 10.309 | 93 | 59656 | 52.87 | ug/L | 98 |
| 54) bromodichloromethane | 10.422 | 83 | 123659 | 56.13 | ug/L | 97 |
| 55) Methylcyclohexane | 10.889 | 83 | 180749 | 55.96 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.795 | 63 | 39907 | 35.49 | ug/L | 99 |
| 57) methyl methacrylate | 10.518 | 69 | 61053 | 53.43 | ug/L | 99 |
| 58) 1,4-dioxane | 10.528 | 88 | 3856 | 252.65 | ug/L | 95 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 146115 | 51.51 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.144 | 43 | 85970 | 56.66 | ug/L | 99 |
| 62) toluene | 11.819 | 92 | 237922 | 54.39 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.459 | 75 | 127592 | 54.93 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 70933 | 53.13 | ug/L | 95 |
| 65) ethyl methacrylate | 10.889 | 69 | 38471 | 56.16 | ug/L | 98 |
| 67) tetrachloroethene | 12.561 | 166 | 93160 | 52.51 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 145759 | 53.73 | ug/L | 98 |
| 69) dibromochloromethane | 12.160 | 129 | 86112 | 53.22 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.411 | 107 | 80497 | 54.86 | ug/L | 99 |
| 71) 2-hexanone | 12.012 | 43 | 72944 | 61.08 | ug/L | 99 |
| 72) chlorobenzene | 13.240 | 112 | 251976 | 52.30 | ug/L | 100 |
| 73) 1,1,1,2-tetrachloroethane | 13.159 | 131 | 86962 | 54.75 | ug/L | 98 |
| 74) ethylbenzene | 13.415 | 91 | 442646 | 54.67 | ug/L | 99 |
| 75) m,p-xylene | 13.599 | 106 | 346195 | 112.72 | ug/L | 99 |
| 76) o-xylene | 14.012 | 106 | 172511 | 54.85 | ug/L | 99 |
| 77) styrene | 13.938 | 104 | 264683 | 54.39 | ug/L | 98 |
| 78) bromoform | 13.766 | 173 | 53062 | 50.70 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 29180 | 55.88 | ug/L | 99 |
| 81) isopropylbenzene | 14.375 | 105 | 439310 | 64.24 | ug/L | 99 |
| 83) bromobenzene | 14.663 | 156 | 103614 | 52.94 | ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 116579 | 56.15 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 125177 | 58.72 | ug/L | 99 |
| 86) n-propylbenzene | 14.819 | 91 | 535743 | 56.98 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.938 | 91 | 319410 | 54.28 | ug/L | 98 |
| 88) 4-chlorotoluene | 15.013 | 91 | 331302 | 56.18 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.096 | 105 | 374264 | 55.04 | ug/L | 98 |
| 90) tert-butylbenzene | 15.401 | 91 | 218640 | 55.67 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.504 | 105 | 380725 | 55.49 | ug/L | 100 |
| 92) sec-butylbenzene | 15.623 | 105 | 505700 | 56.11 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24316.D
 Acq On : 7 Nov 2011 1:06 pm
 Operator : danat
 Sample : bs
 Misc : MS24310,MSR902,5,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 15:48:48 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

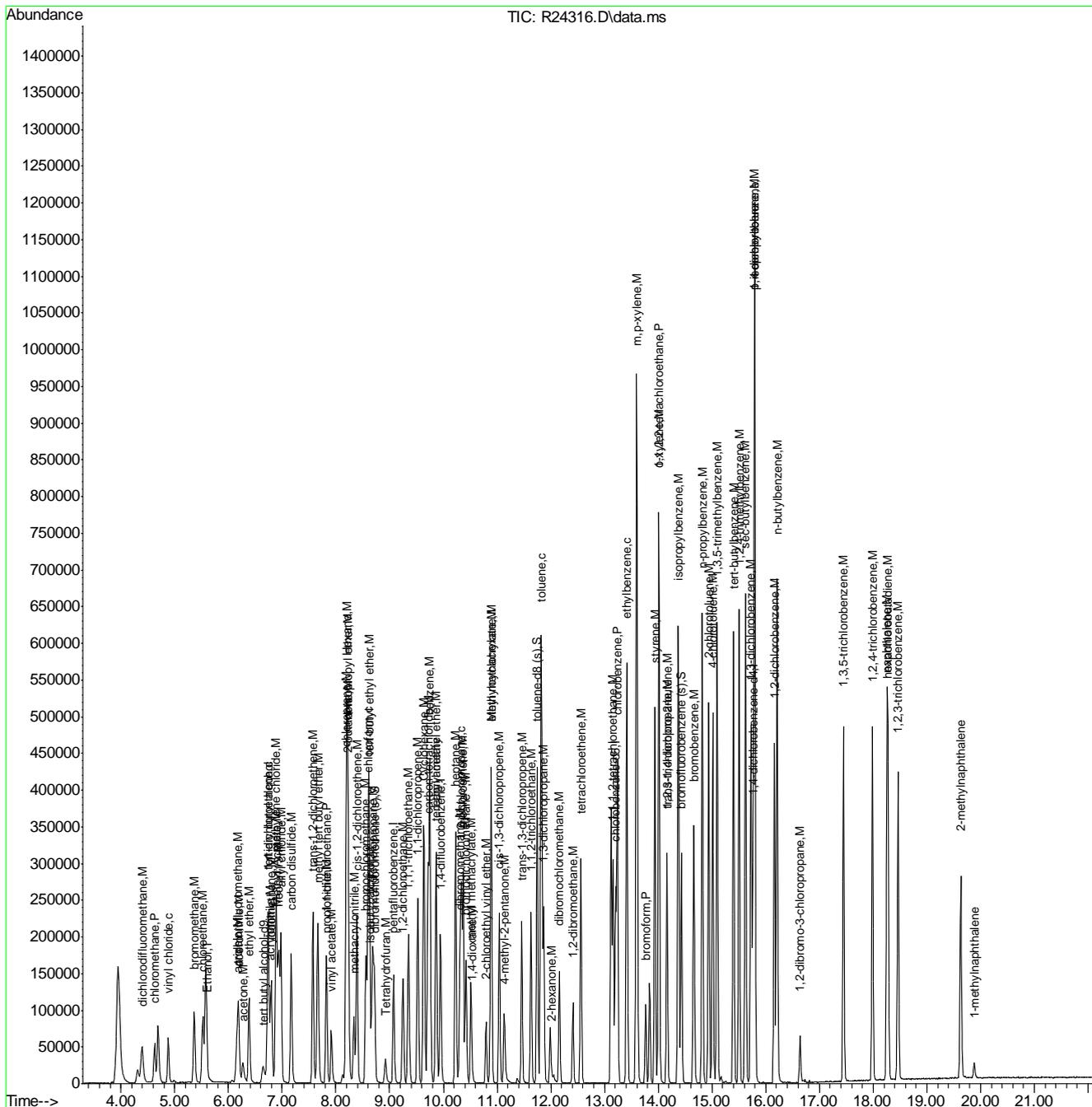
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 204629 | 52.48 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.794 | 119 | 417031 | 59.16 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.792 | 146 | 223455 | 53.99 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.160 | 146 | 200995 | 52.00 | ug/L | 99 |
| 97) n-butylbenzene | 16.212 | 91 | 421408 | 58.20 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropr... | 16.641 | 75 | 18534 | 55.77 | ug/L | 96 |
| 99) 1,3,5-trichlorobenzene | 17.448 | 180 | 158363 | 50.27 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 17.987 | 180 | 155939 | 52.08 | ug/L | 98 |
| 101) hexachlorobutadiene | 18.278 | 225 | 84434 | 50.96 | ug/L | 97 |
| 102) naphthalene | 18.257 | 128 | 348748 | 51.79 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.463 | 180 | 142900 | 50.47 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.883 | 142 | 13608 | 9.29 | ug/L | 97 |
| 105) 2-methylnaphthalene | 19.631 | 142 | 161189 | 44.60 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24316.D
 Acq On : 7 Nov 2011 1:06 pm
 Operator : danat
 Sample : bs
 Misc : MS24310,MSR902,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 15:48:48 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:14:08 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.507 | 65 | 388756 | 500.00 | ug/L | -0.01 |
| 4) pentafluorobenzene | 6.530 | 168 | 704959 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.719 | 114 | 1065015 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.073 | 82 | 644496 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.307 | 152 | 601776 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.410 | 113 | 362777 | 49.52 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.04% |
| 60) toluene-d8 (s) | 9.539 | 98 | 1427983 | 48.89 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.78% |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 659022 | 50.79 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.58% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.609 | 59 | 529059 | 506.40 | ug/L | 97 |
| 3) Ethanol | 2.496 | 45 | 218529 | 4033.63 | ug/L # | 59 |
| 5) dichlorodifluoromethane | 1.511 | 85 | 612071 | 59.96 | ug/L | 100 |
| 6) chloromethane | 1.611 | 50 | 486684 | 50.42 | ug/L | 100 |
| 7) vinyl chloride | 1.724 | 62 | 481053 | 44.73 | ug/L | 96 |
| 8) bromomethane | 2.003 | 96 | 313792 | 53.62 | ug/L | 96 |
| 9) chloroethane | 2.100 | 64 | 264875 | 52.00 | ug/L | 98 |
| 10) ethyl ether | 2.595 | 59 | 325558 | 54.50 | ug/L | 92 |
| 11) acetonitrile | 3.275 | 41 | 707095 | 54.43 | ug/L | 96 |
| 12) trichlorofluoromethane | 2.344 | 101 | 654861m | 54.19 | ug/L | |
| 13) freon-113 | 2.887 | 101 | 495537 | 56.75 | ug/L | 97 |
| 14) acrolein | 2.747 | 56 | 149220 | 494.17 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.851 | 96 | 441725 | 57.60 | ug/L | 91 |
| 16) acetone | 2.897 | 43 | 215181 | 37.38 | ug/L | 95 |
| 17) Methyl Acetate | 3.265 | 43 | 653377 | 71.01 | ug/L # | 90 |
| 18) methylene chloride | 3.447 | 84 | 525848 | 51.91 | ug/L # | 82 |
| 19) methyl tert butyl ether | 3.816 | 73 | 1257260 | 59.77 | ug/L | 98 |
| 20) acrylonitrile | 4.592 | 53 | 819608 | 296.96 | ug/L | 98 |
| 21) allyl chloride | 3.275 | 41 | 707095 | 56.06 | ug/L | 89 |
| 22) trans-1,2-dichloroethene | 3.811 | 96 | 475530 | 54.11 | ug/L | 89 |
| 23) iodomethane | 3.019 | 142 | 736408 | 54.75 | ug/L | 98 |
| 24) carbon disulfide | 3.101 | 76 | 1465260 | 49.72 | ug/L | 99 |
| 25) propionitrile | 5.626 | 54 | 78655 | 66.00 | ug/L | 100 |
| 26) vinyl acetate | 4.510 | 43 | 663105 | 36.15 | ug/L | 95 |
| 27) chloroprene | 4.592 | 53 | 819608 | 59.39 | ug/L | 85 |
| 28) di-isopropyl ether | 4.576 | 45 | 1503677 | 53.61 | ug/L | 93 |
| 29) methacrylonitrile | 5.894 | 41 | 389952 | 72.78 | ug/L | 87 |
| 30) 2-butanone | 5.933 | 72 | 63083 | 71.86 | ug/L | 78 |
| 31) Hexane | 4.221 | 41 | 521018 | 56.59 | ug/L # | 89 |
| 32) 1,1-dichloroethane | 4.481 | 63 | 890978 | 53.43 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 5.245 | 59 | 1292529 | 49.16 | ug/L | 93 |
| 34) isobutyl alcohol | 4.221 | 43 | 440338 | 284.44 | ug/L | 100 |
| 35) 2,2-dichloropropane | 5.516 | 77 | 584406 | 47.22 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 5.500 | 96 | 513464 | 52.43 | ug/L | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:14:08 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.266 | 43 | 350624m | 50.53 | ug/L | |
| 38) bromochloromethane | 5.922 | 128 | 236228 | 55.66 | ug/L | # 78 |
| 39) chloroform | 6.140 | 83 | 925017 | 53.63 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.929 | 42 | 159732 | 74.38 | ug/L | 86 |
| 42) 1,1,1-trichloroethane | 6.381 | 97 | 770434 | 50.02 | ug/L | 95 |
| 44) Cyclohexane | 6.486 | 56 | 903802 | 51.29 | ug/L | 88 |
| 45) carbon tetrachloride | 6.633 | 117 | 675880 | 57.32 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.653 | 75 | 714914 | 54.88 | ug/L | 95 |
| 47) benzene | 6.972 | 78 | 1876395 | 51.65 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.101 | 62 | 756890 | 57.65 | ug/L | 97 |
| 49) tert-amyl methyl ether | 7.267 | 73 | 1050371 | 48.30 | ug/L | 94 |
| 50) heptane | 7.533 | 43 | 764169 | 57.10 | ug/L | 89 |
| 51) trichloroethene | 8.011 | 95 | 519320 | 54.12 | ug/L | 90 |
| 52) 1,2-dichloropropane | 8.363 | 63 | 513355 | 52.92 | ug/L | 99 |
| 53) dibromomethane | 8.467 | 93 | 327046 | 59.92 | ug/L | 97 |
| 54) bromodichloromethane | 8.720 | 83 | 659681 | 50.33 | ug/L | 99 |
| 55) Methylcyclohexane | 8.314 | 83 | 866935 | 55.24 | ug/L | 90 |
| 57) methyl methacrylate | 8.499 | 69 | 374195 | 72.63 | ug/L | 82 |
| 58) 1,4-dioxane | 8.484 | 88 | 29297 | 325.77 | ug/L | # 39 |
| 59) cis-1,3-dichloropropene | 9.251 | 75 | 743827 | 48.28 | ug/L | 96 |
| 61) 4-methyl-2-pentanone | 9.437 | 43 | 612152 | 74.25 | ug/L | 95 |
| 62) toluene | 9.615 | 92 | 1207961 | 52.40 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 9.905 | 75 | 700129 | 53.93 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.110 | 83 | 398671 | 57.98 | ug/L | 99 |
| 65) ethyl methacrylate | 9.987 | 69 | 675764 | 57.10 | ug/L | 86 |
| 67) tetrachloroethene | 10.168 | 166 | 543955 | 53.05 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.274 | 76 | 826161 | 57.29 | ug/L | 99 |
| 69) dibromochloromethane | 10.494 | 129 | 495851 | 54.20 | ug/L | 95 |
| 70) 1,2-dibromoethane | 10.603 | 107 | 501750 | 62.35 | ug/L | 97 |
| 71) 2-hexanone | 10.348 | 43 | 462086 | 57.38 | ug/L | 97 |
| 72) chlorobenzene | 11.102 | 112 | 1298474 | 51.56 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.203 | 131 | 461423 | 56.88 | ug/L | 98 |
| 74) ethylbenzene | 11.209 | 91 | 2394001 | 53.64 | ug/L | 98 |
| 75) m,p-xylene | 11.341 | 106 | 1774712 | 105.45 | ug/L | 99 |
| 76) o-xylene | 11.710 | 106 | 863208 | 53.31 | ug/L | 99 |
| 77) styrene | 11.732 | 104 | 1449911 | 53.97 | ug/L | 94 |
| 78) bromoform | 11.905 | 173 | 331537 | 54.60 | ug/L | 100 |
| 79) trans-1,4-dichloro-2-b... | 12.128 | 53 | 234563 | 70.75 | ug/L | 87 |
| 81) isopropylbenzene | 12.066 | 105 | 2350905 | 59.35 | ug/L | 98 |
| 83) bromobenzene | 12.356 | 156 | 583942 | 50.15 | ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 12.364 | 83 | 706589 | 61.00 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.410 | 75 | 778220 | 56.79 | ug/L | 99 |
| 86) n-propylbenzene | 12.459 | 91 | 2837469 | 51.85 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.536 | 91 | 1708441 | 48.98 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.650 | 91 | 1980110 | 49.79 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.631 | 105 | 1973293 | 49.92 | ug/L | 99 |
| 90) tert-butylbenzene | 12.920 | 91 | 1197304 | 51.82 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 12.975 | 105 | 1998105 | 50.32 | ug/L | 98 |
| 92) sec-butylbenzene | 13.126 | 105 | 2620551 | 52.51 | ug/L | 98 |
| 93) 1,3-dichlorobenzene | 13.232 | 146 | 1053127 | 49.83 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:14:08 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

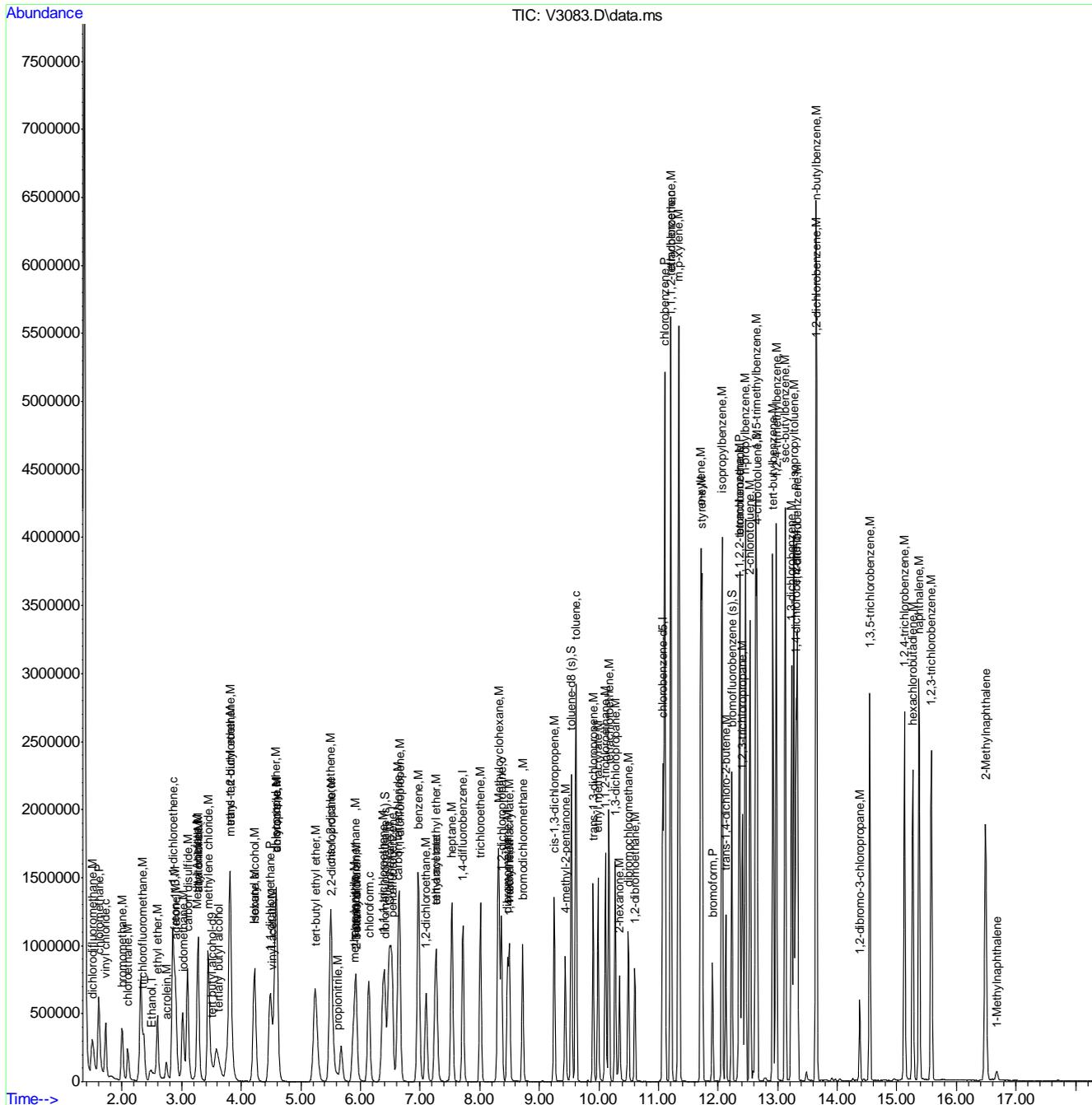
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.271 | 119 | 2049847 | 53.91 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.330 | 146 | 1073700 | 49.16 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.652 | 146 | 1015020 | 51.08 | ug/L | 97 |
| 97) n-butylbenzene | 13.644 | 91 | 2122516 | 53.61 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.377 | 75 | 140047 | 65.20 | ug/L | 82 |
| 99) 1,3,5-trichlorobenzene | 14.544 | 180 | 819291 | 48.31 | ug/L | 95 |
| 100) 1,2,4-trichlorobenzene | 15.128 | 180 | 813201 | 54.44 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.267 | 225 | 497225 | 53.75 | ug/L | 100 |
| 102) naphthalene | 15.374 | 128 | 2253408 | 69.33 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.578 | 180 | 800344 | 54.83 | ug/L | 94 |
| 104) 2-Methylnaphthalene | 16.488 | 142 | 1330467 | 64.69 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.675 | 142 | 44130 | 1.65 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

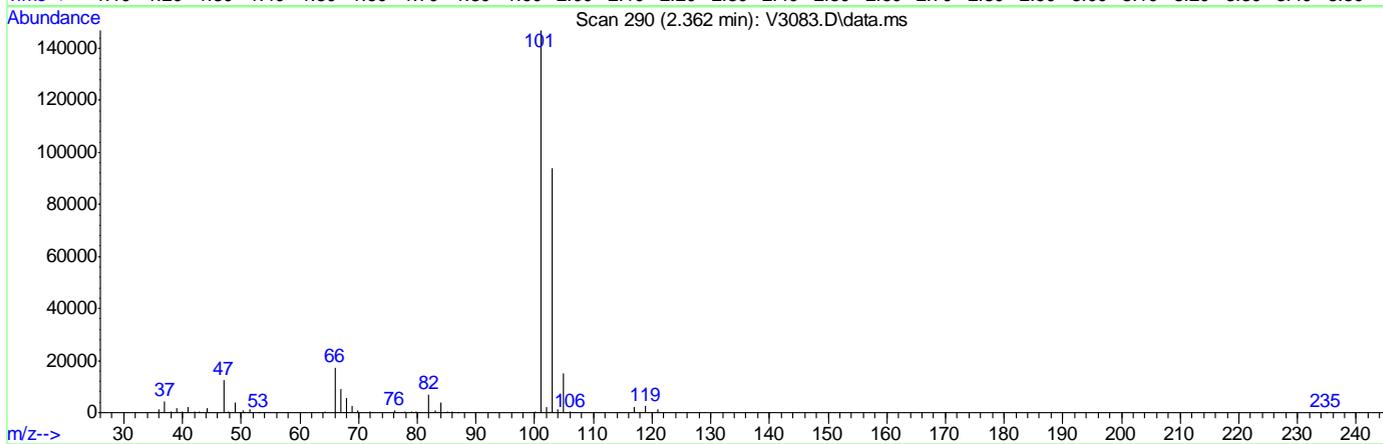
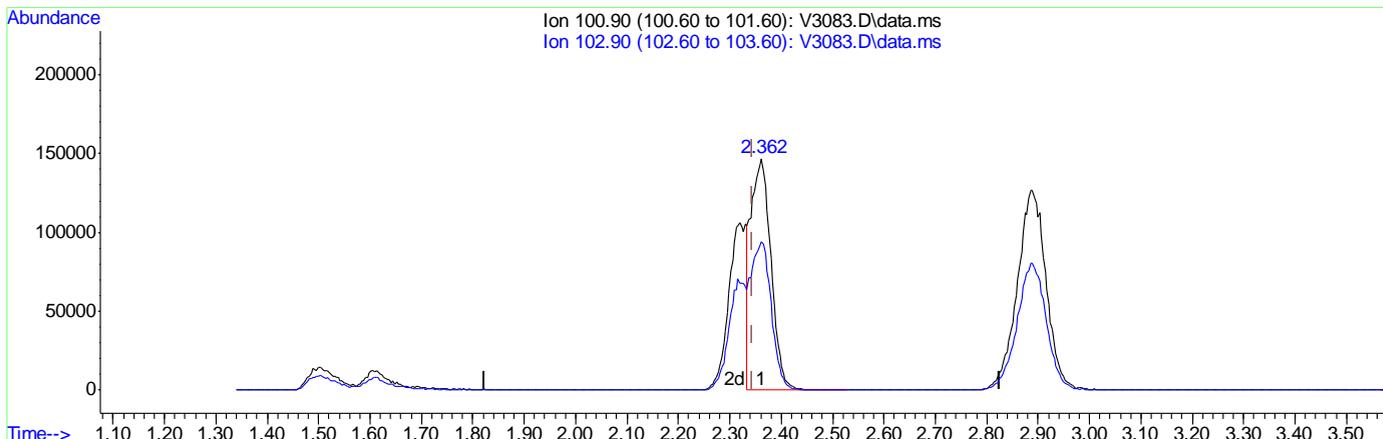
Quant Time: Nov 04 15:14:08 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:06:35 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.362min (+0.017) 32.65ug/L

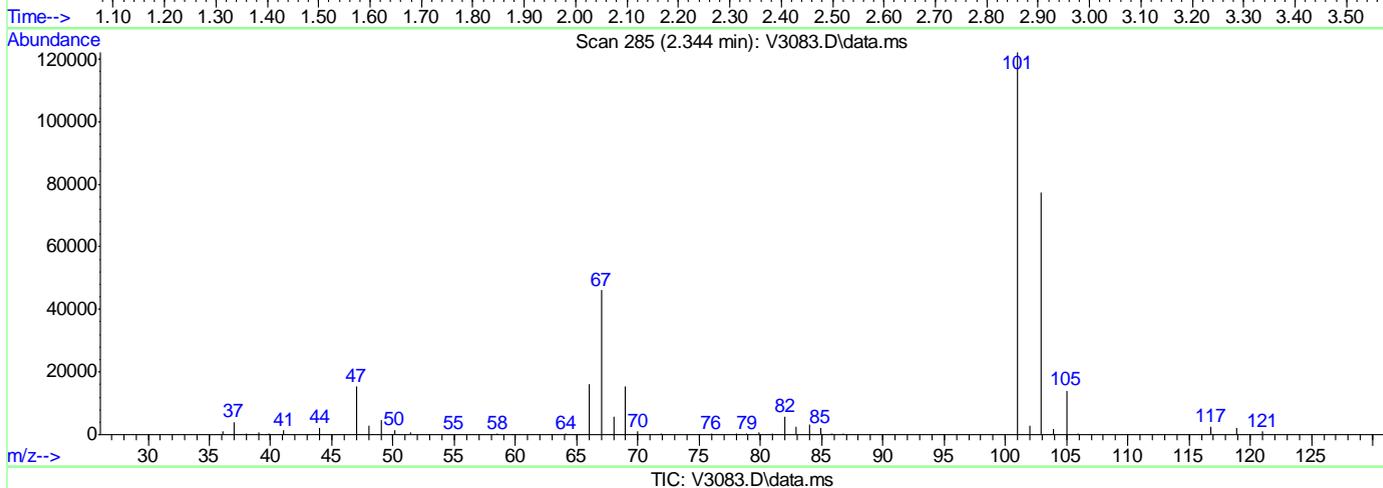
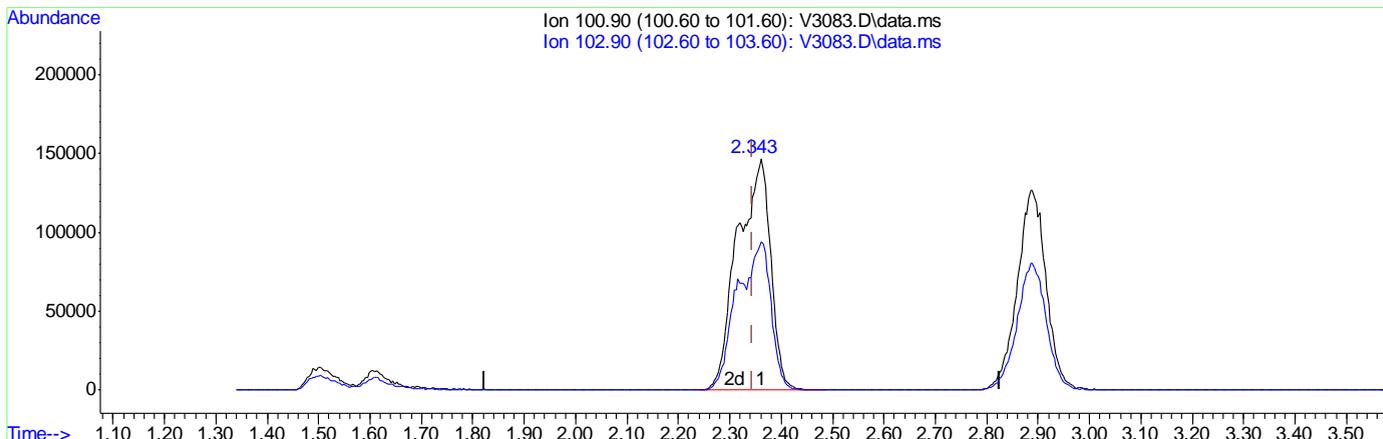
response 394600

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.81 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:06:35 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.344min (-0.001) 54.19ug/L m

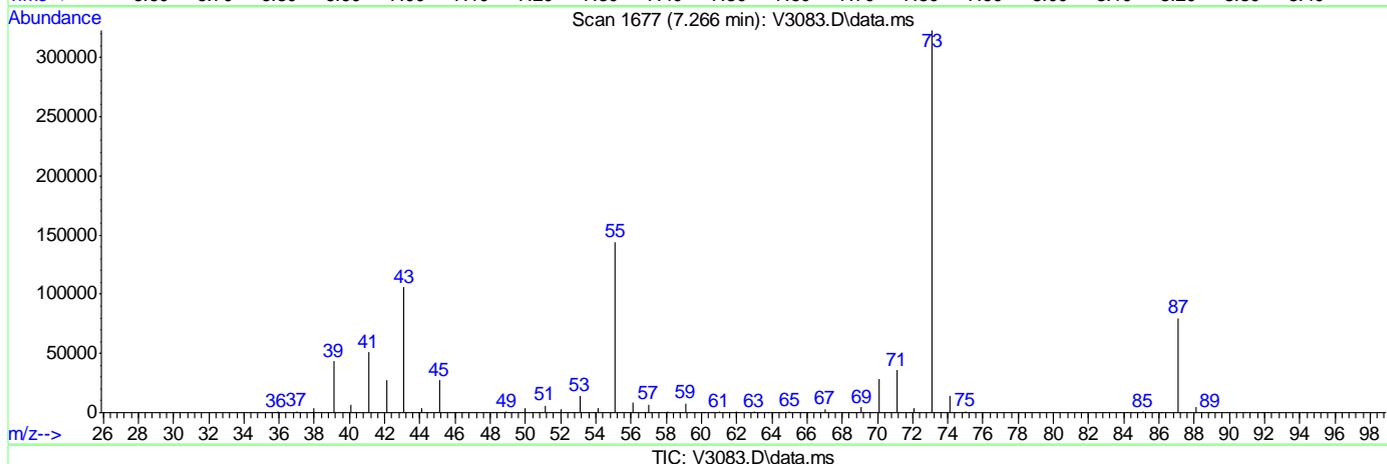
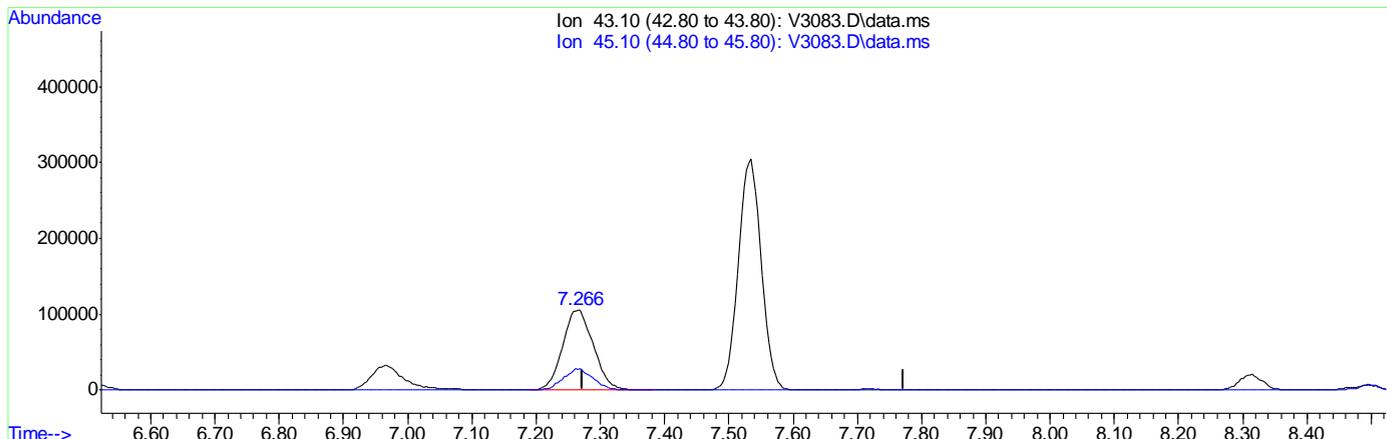
response 654861

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3083.D
 Acq On : 4 Nov 2011 1:20 pm
 Operator : AMYM
 Sample : mc5142-1ms
 Misc : MS24298,MSV136,4.986,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 15:06:35 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.266min (-0.007) 50.53ug/L m
 response 350624

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3084.D
 Acq On : 4 Nov 2011 1:51 pm
 Operator : AMYM
 Sample : mc5142-1msd
 Misc : MS24298,MSV136,5.593,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 15:15:14 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.494 | 65 | 384117 | 500.00 | ug/L | -0.02 |
| 4) pentafluorobenzene | 6.524 | 168 | 718268 | 50.00 | ug/L | -0.01 |
| 43) 1,4-difluorobenzene | 7.715 | 114 | 1074284 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.072 | 82 | 653476 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.307 | 152 | 610338 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.404 | 113 | 365044 | 48.91 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.82% |
| 60) toluene-d8 (s) | 9.537 | 98 | 1441418 | 48.93 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.86% |
| 82) bromofluorobenzene (s) | 12.230 | 95 | 668079 | 50.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.54% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 3.601 | 59 | 552740 | 535.46 | ug/L | 100 |
| 3) Ethanol | 2.484 | 45 | 207831 | 3882.50 | ug/L # | 65 |
| 5) dichlorodifluoromethane | 1.501 | 85 | 608505 | 58.51 | ug/L | 100 |
| 6) chloromethane | 1.601 | 50 | 476847 | 48.49 | ug/L | 99 |
| 7) vinyl chloride | 1.715 | 62 | 480826 | 43.88 | ug/L | 95 |
| 8) bromomethane | 1.995 | 96 | 315926 | 52.99 | ug/L | 99 |
| 9) chloroethane | 2.092 | 64 | 273627 | 52.72 | ug/L | 100 |
| 10) ethyl ether | 2.586 | 59 | 329104 | 54.07 | ug/L | 93 |
| 11) acetonitrile | 3.266 | 41 | 717090 | 54.18 | ug/L | 98 |
| 12) trichlorofluoromethane | 2.334 | 101 | 667308 | 54.20 | ug/L | 94 |
| 13) freon-113 | 2.878 | 101 | 505469 | 56.82 | ug/L | 94 |
| 14) acrolein | 2.737 | 56 | 141675 | 460.49 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.842 | 96 | 454563 | 58.18 | ug/L | 88 |
| 16) acetone | 2.888 | 43 | 228696 | 38.80 | ug/L | 92 |
| 17) Methyl Acetate | 3.256 | 43 | 617170 | 65.84 | ug/L | 93 |
| 18) methylene chloride | 3.438 | 84 | 539268 | 52.26 | ug/L | 88 |
| 19) methyl tert butyl ether | 3.807 | 73 | 1293461 | 60.36 | ug/L | 97 |
| 20) acrylonitrile | 4.583 | 53 | 822867 | 292.62 | ug/L | 98 |
| 21) allyl chloride | 3.266 | 41 | 717090 | 55.80 | ug/L | 88 |
| 22) trans-1,2-dichloroethene | 3.802 | 96 | 488511 | 54.56 | ug/L | 92 |
| 23) iodomethane | 3.010 | 142 | 758199 | 55.33 | ug/L | 100 |
| 24) carbon disulfide | 3.092 | 76 | 1512014 | 50.30 | ug/L | 100 |
| 25) propionitrile | 5.618 | 54 | 81844 | 67.40 | ug/L | 100 |
| 26) vinyl acetate | 4.501 | 43 | 608971 | 32.59 | ug/L | 95 |
| 27) chloroprene | 4.583 | 53 | 822867 | 58.52 | ug/L | 85 |
| 28) di-isopropyl ether | 4.567 | 45 | 1529980 | 53.54 | ug/L | 95 |
| 29) methacrylonitrile | 5.886 | 41 | 391596 | 71.73 | ug/L | 92 |
| 30) 2-butanone | 5.925 | 72 | 67450 | 75.41 | ug/L | 78 |
| 31) Hexane | 4.212 | 41 | 538984 | 57.45 | ug/L # | 88 |
| 32) 1,1-dichloroethane | 4.471 | 63 | 909689 | 53.54 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 5.237 | 59 | 1323762 | 49.40 | ug/L | 91 |
| 34) isobutyl alcohol | 4.212 | 43 | 452700 | 287.00 | ug/L | 93 |
| 35) 2,2-dichloropropane | 5.508 | 77 | 595942 | 47.25 | ug/L | 96 |
| 36) cis-1,2-dichloroethene | 5.492 | 96 | 527402 | 52.85 | ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3084.D
 Acq On : 4 Nov 2011 1:51 pm
 Operator : AMYM
 Sample : mc5142-1msd
 Misc : MS24298,MSV136,5.593,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 15:15:14 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.262 | 43 | 360774m | 51.00 | ug/L | |
| 38) bromochloromethane | 5.915 | 128 | 239901 | 55.47 | ug/L # | 81 |
| 39) chloroform | 6.132 | 83 | 934798 | 53.19 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.922 | 42 | 165773 | 75.76 | ug/L | 93 |
| 42) 1,1,1-trichloroethane | 6.374 | 97 | 787608 | 50.17 | ug/L | 95 |
| 44) Cyclohexane | 6.479 | 56 | 926072 | 52.10 | ug/L | 94 |
| 45) carbon tetrachloride | 6.627 | 117 | 689801 | 58.00 | ug/L | 100 |
| 46) 1,1-dichloropropene | 6.646 | 75 | 725442 | 55.21 | ug/L | 96 |
| 47) benzene | 6.967 | 78 | 1931156 | 52.70 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.096 | 62 | 758095 | 57.25 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.262 | 73 | 1083843 | 49.33 | ug/L | 94 |
| 50) heptane | 7.529 | 43 | 787077 | 58.30 | ug/L | 90 |
| 51) trichloroethene | 8.008 | 95 | 529658 | 54.72 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.360 | 63 | 523922 | 53.55 | ug/L | 99 |
| 53) dibromomethane | 8.464 | 93 | 334818 | 60.82 | ug/L | 97 |
| 54) bromodichloromethane | 8.718 | 83 | 676198 | 51.10 | ug/L | 99 |
| 55) Methylcyclohexane | 8.311 | 83 | 898491 | 56.76 | ug/L | 89 |
| 57) methyl methacrylate | 8.496 | 69 | 388856 | 74.82 | ug/L | 82 |
| 58) 1,4-dioxane | 8.480 | 88 | 30227 | 332.80 | ug/L # | 40 |
| 59) cis-1,3-dichloropropene | 9.248 | 75 | 771550 | 49.56 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.435 | 43 | 625518 | 75.22 | ug/L | 96 |
| 62) toluene | 9.613 | 92 | 1246205 | 53.59 | ug/L | 96 |
| 63) trans-1,3-dichloropropene | 9.904 | 75 | 732581 | 55.80 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.109 | 83 | 408948 | 58.96 | ug/L | 99 |
| 65) ethyl methacrylate | 9.987 | 69 | 693037 | 58.03 | ug/L | 88 |
| 67) tetrachloroethene | 10.166 | 166 | 557709 | 53.65 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.273 | 76 | 845049 | 57.79 | ug/L | 99 |
| 69) dibromochloromethane | 10.493 | 129 | 511111 | 55.04 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.602 | 107 | 524840 | 64.32 | ug/L | 98 |
| 71) 2-hexanone | 10.347 | 43 | 475319 | 58.17 | ug/L | 96 |
| 72) chlorobenzene | 11.101 | 112 | 1333716 | 52.23 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.202 | 131 | 470224 | 57.17 | ug/L | 97 |
| 74) ethylbenzene | 11.208 | 91 | 2438791 | 53.89 | ug/L | 98 |
| 75) m,p-xylene | 11.340 | 106 | 1822354 | 106.79 | ug/L | 99 |
| 76) o-xylene | 11.709 | 106 | 886306 | 53.99 | ug/L | 95 |
| 77) styrene | 11.731 | 104 | 1487252 | 54.60 | ug/L | 96 |
| 78) bromoform | 11.904 | 173 | 341259 | 55.34 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.127 | 53 | 239640 | 71.28 | ug/L | 88 |
| 81) isopropylbenzene | 12.065 | 105 | 2409880 | 59.99 | ug/L | 100 |
| 83) bromobenzene | 12.355 | 156 | 598403 | 50.67 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.364 | 83 | 730506 | 62.18 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 12.410 | 75 | 813890 | 58.52 | ug/L | 83 |
| 86) n-propylbenzene | 12.458 | 91 | 2902796 | 52.30 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.536 | 91 | 1735968 | 49.07 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.650 | 91 | 2032592 | 50.39 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.630 | 105 | 2028222 | 50.59 | ug/L | 100 |
| 90) tert-butylbenzene | 12.920 | 91 | 1225804 | 52.31 | ug/L | 94 |
| 91) 1,2,4-trimethylbenzene | 12.975 | 105 | 2037707 | 50.60 | ug/L | 98 |
| 92) sec-butylbenzene | 13.126 | 105 | 2682311 | 52.99 | ug/L | 97 |
| 93) 1,3-dichlorobenzene | 13.232 | 146 | 1071011 | 49.97 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3084.D
 Acq On : 4 Nov 2011 1:51 pm
 Operator : AMYM
 Sample : mc5142-1msd
 Misc : MS24298,MSV136,5.593,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 15:15:14 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

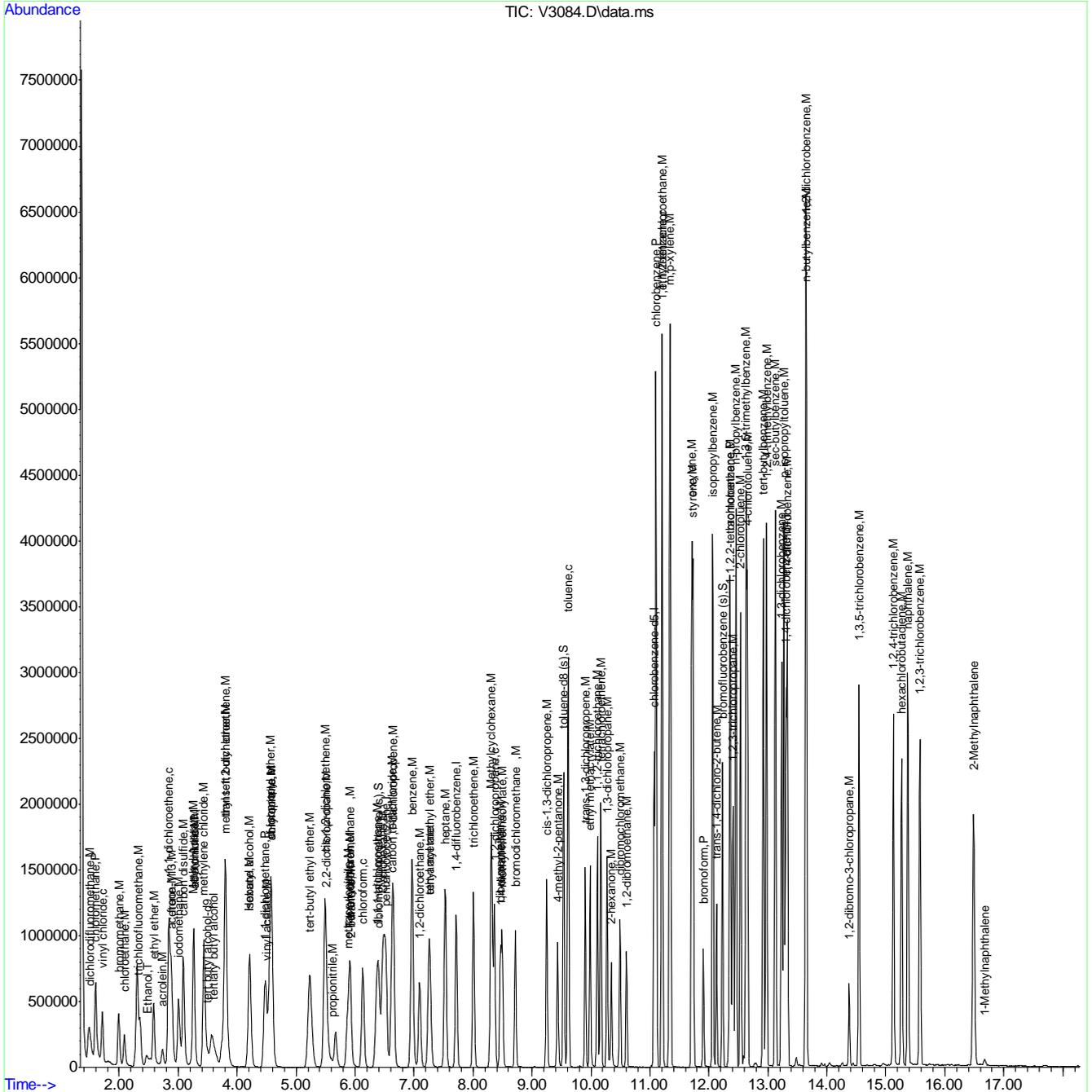
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.271 | 119 | 2107097 | 54.64 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.329 | 146 | 1093321 | 49.35 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.652 | 146 | 1039530 | 51.58 | ug/L | 96 |
| 97) n-butylbenzene | 13.644 | 91 | 2161750 | 53.84 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.377 | 75 | 143177 | 65.67 | ug/L | 89 |
| 99) 1,3,5-trichlorobenzene | 14.544 | 180 | 840624 | 48.87 | ug/L | 96 |
| 100) 1,2,4-trichlorobenzene | 15.128 | 180 | 828743 | 54.70 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.267 | 225 | 508141 | 54.16 | ug/L | 98 |
| 102) naphthalene | 15.373 | 128 | 2300278 | 69.78 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.578 | 180 | 819083 | 55.33 | ug/L | 94 |
| 104) 2-Methylnaphthalene | 16.488 | 142 | 1364037 | 65.39 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.676 | 142 | 28606 | 0.73 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3084.D
Acq On : 4 Nov 2011 1:51 pm
Operator : AMYM
Sample : mc5142-1msd
Misc : MS24298,MSV136,5.593,,,5,1
ALS Vial : 10 Sample Multiplier: 1

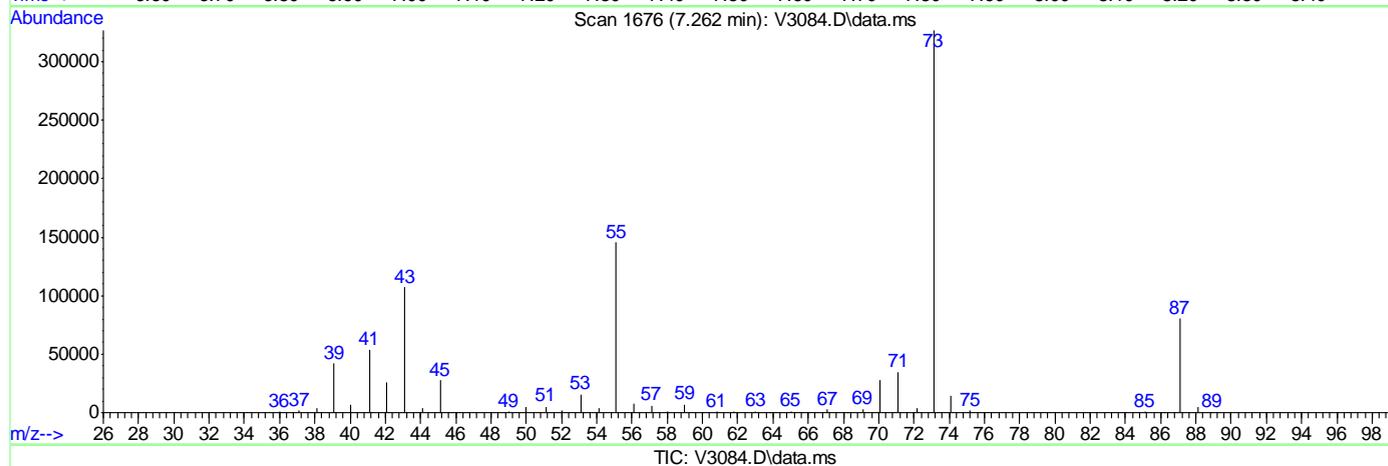
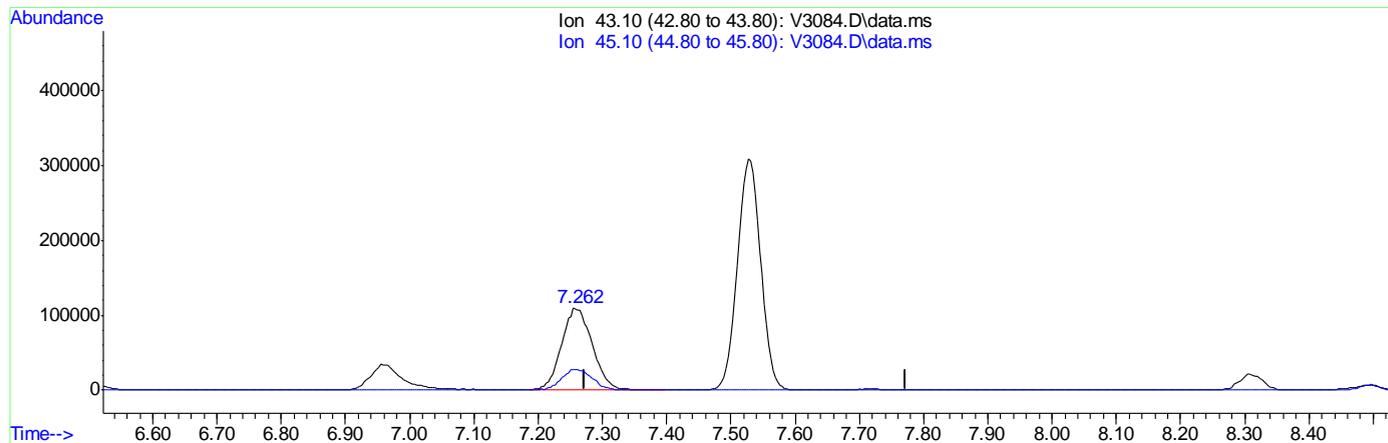
Quant Time: Nov 04 15:15:14 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3084.D
 Acq On : 4 Nov 2011 1:51 pm
 Operator : AMYM
 Sample : mc5142-1msd
 Misc : MS24298,MSV136,5.593,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 15:06:37 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.262min (-0.011) 51.00ug/L m

response 360774

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56612.D
 Acq On : 4 Nov 2011 3:59 pm
 Sample : mc5148-lms
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 16:31 2011

Vial: 14
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.62 | 65 | 36765 | 500.00 | ppb | -0.04 |
| 4) pentafluorobenzene | 9.10 | 168 | 218373 | 50.00 | ppb | -0.04 |
| 42) 1,4-difluorobenzene | 9.98 | 114 | 343985 | 50.00 | ppb | -0.04 |
| 65) chlorobenzene-d5 | 13.23 | 82 | 164407 | 50.00 | ppb | -0.04 |
| 79) 1,4-dichlorobenzene-d4 | 15.79 | 152 | 125452 | 50.00 | ppb | -0.04 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|-------|---------|-------|
| 39) dibromofluoromethane (s) | 8.73 | 113 | 116178 | 44.82 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 89.64% | |
| 59) toluene-d8 (s) | 11.77 | 98 | 384489 | 48.98 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 97.96% | |
| 81) bromofluorobenzene (s) | 14.46 | 95 | 133249 | 51.62 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 103.24% | |

Target Compounds

| | | | | | | Qvalue |
|------------------------------|------|-----|--------|---------|-----|--------|
| 2) tertiary butyl alcohol | 6.71 | 59 | 47510 | 464.33 | ppb | 97 |
| 3) Ethanol | 5.45 | 45 | 71987 | 4332.51 | ppb | 95 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 123487 | 44.42 | ppb | 94 |
| 6) chloromethane | 4.50 | 50 | 167999 | 48.37 | ppb | 94 |
| 7) vinyl chloride | 4.74 | 62 | 115764 | 40.88 | ppb | 90 |
| 8) bromomethane | 5.26 | 96 | 94853 | 50.92 | ppb | 95 |
| 9) chloroethane | 5.43 | 64 | 84411 | 49.60 | ppb | 88 |
| 10) ethyl ether | 6.35 | 59 | 72123 | 50.13 | ppb | 95 |
| 11) acetonitrile | 6.00 | 41 | 16219 | 39.09 | ppb | # 16 |
| 12) trichlorofluoromethane | 6.10 | 101 | 180221 | 49.14 | ppb | 99 |
| 13) freon-113 | 6.90 | 101 | 124202 | 51.71 | ppb | 99 |
| 14) acrolein | 6.09 | 56 | 22452 | 393.28 | ppb | 97 |
| 15) 1,1-dichloroethene | 6.70 | 96 | 112459 | 51.94 | ppb | 93 |
| 16) acetone | 6.23 | 43 | 54266 | 147.57 | ppb | 100 |
| 17) Methyl Acetate | 6.89 | 43 | 119345 | 67.50 | ppb | # 92 |
| 18) methylene chloride | 6.85 | 84 | 127085 | 53.39 | ppb | 92 |
| 19) methyl tert butyl ether | 7.66 | 73 | 186630 | 52.84 | ppb | 99 |
| 20) acrylonitrile | 6.75 | 53 | 20762 | 236.81 | ppb | 84 |
| 21) allyl chloride | 6.95 | 41 | 257731 | 50.01 | ppb | 94 |
| 22) trans-1,2-dichloroethene | 7.56 | 96 | 122833 | 50.37 | ppb | 95 |
| 23) iodomethane | 6.76 | 142 | 206235 | 50.00 | ppb | 96 |
| 24) carbon disulfide | 7.13 | 76 | 424507 | 50.83 | ppb | 100 |
| 25) propionitrile | 6.76 | 54 | 1228 | 73.46 | ppb | 100 |
| 26) vinyl acetate | 7.94 | 43 | 117009 | 32.97 | ppb | 93 |
| 27) chloroprene | 8.19 | 53 | 212716 | 53.94 | ppb | 99 |
| 28) di-isopropyl ether | 8.23 | 45 | 484325 | 52.70 | ppb | 98 |
| 29) methacrylonitrile | 8.36 | 41 | 45159 | 47.92 | ppb | 94 |
| 30) 2-butanone | 8.26 | 72 | 9062 | 92.36 | ppb | # 80 |
| 31) Hexane | 8.21 | 41 | 271179 | 53.38 | ppb | 94 |
| 32) 1,1-dichloroethane | 7.82 | 63 | 244687 | 52.77 | ppb | 94 |
| 33) tert-butyl ethyl ether | 8.64 | 59 | 289394 | 55.32 | ppb | 97 |
| 34) isobutyl alcohol | 8.63 | 43 | 51088 | 274.73 | ppb | 87 |
| 35) 2,2-dichloropropane | 8.69 | 77 | 175033 | 56.73 | ppb | 96 |
| 36) cis-1,2-dichloroethene | 8.40 | 96 | 122099 | 48.91 | ppb | 91 |
| 37) bromochloromethane | 8.57 | 128 | 48018 | 47.91 | ppb | 91 |

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

E56612.D E102011M.M

Fri Nov 04 16:32:34 2011

LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56612.D
 Acq On : 4 Nov 2011 3:59 pm
 Sample : mc5148-lms
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 16:31 2011

Vial: 14
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 38) chloroform | 8.61 | 83 | 214973 | 52.40 | ppb | 98 |
| 40) Tetrahydrofuran | 8.95 | 42 | 16639 | 51.24 | ppb | 96 |
| 41) 1,1,1-trichloroethane | 9.36 | 97 | 173851 | 50.46 | ppb | 97 |
| 43) Cyclohexane | 9.65 | 56 | 241414 | 51.58 | ppb | 99 |
| 44) carbon tetrachloride | 9.73 | 117 | 152773 | 50.66 | ppb | 97 |
| 45) 1,1-dichloropropene | 9.55 | 75 | 167971 | 50.68 | ppb | 96 |
| 46) benzene | 9.76 | 78 | 473931 | 49.96 | ppb | 97 |
| 47) 1,2-dichloroethane | 9.27 | 62 | 125700 | 54.28 | ppb | 96 |
| 48) tert-amyl methyl ether | 9.89 | 73 | 183431 | 50.12 | ppb | 97 |
| 49) heptane | 10.25 | 43 | 226175 | 54.08 | ppb | 96 |
| 50) trichloroethene | 10.39 | 95 | 120250 | 48.86 | ppb | 86 |
| 51) 1,2-dichloropropane | 10.35 | 63 | 118512 | 49.00 | ppb | 98 |
| 52) dibromomethane | 10.33 | 93 | 52577 | 51.40 | ppb | 82 |
| 53) bromodichloromethane | 10.45 | 83 | 138138 | 50.95 | ppb | 98 |
| 54) Methylcyclohexane | 10.91 | 83 | 190598 | 48.93 | ppb | 95 |
| 55) 2-chloroethyl vinyl ether | 10.84 | 63 | 5544 | 33.18 | ppb | 81 |
| 56) methyl methacrylate | 10.56 | 69 | 34553 | 51.96 | ppb | 82 |
| 57) 1,4-dioxane | 10.57 | 88 | 1974 | 205.65 | ppb # | 63 |
| 58) cis-1,3-dichloropropene | 11.07 | 75 | 155751 | 51.30 | ppb | 97 |
| 60) 4-methyl-2-pentanone | 11.17 | 43 | 61212 | 55.63 | ppb | 98 |
| 61) toluene | 11.85 | 92 | 277573 | 50.93 | ppb | 98 |
| 62) trans-1,3-dichloropropene | 11.49 | 75 | 119128 | 59.21 | ppb | 91 |
| 63) 1,1,2-trichloroethane | 11.66 | 83 | 54490 | 49.60 | ppb | 90 |
| 64) ethyl methacrylate | 11.88 | 69 | 69438 | 44.23 | ppb | 77 |
| 66) tetrachloroethene | 12.59 | 166 | 116014 | 48.18 | ppb | 96 |
| 67) 1,3-dichloropropane | 11.90 | 76 | 113426 | 51.66 | ppb | 93 |
| 68) dibromochloromethane | 12.19 | 129 | 78630 | 51.77 | ppb | 94 |
| 69) 1,2-dibromoethane | 12.45 | 107 | 60246 | 49.14 | ppb | 94 |
| 70) 2-hexanone | 12.04 | 43 | 63951 | 93.96 | ppb | 92 |
| 71) chlorobenzene | 13.27 | 112 | 282267 | 49.40 | ppb | 97 |
| 72) 1,1,1,2-tetrachloroethane | 13.19 | 131 | 96982 | 51.34 | ppb | 92 |
| 73) ethylbenzene | 13.44 | 91 | 510971 | 53.05 | ppb | 97 |
| 74) m,p-xylene | 13.63 | 106 | 387542 | 106.18 | ppb | 93 |
| 75) o-xylene | 14.04 | 106 | 180810 | 51.16 | ppb | 87 |
| 76) styrene | 13.97 | 104 | 275675 | 53.05 | ppb | 95 |
| 77) bromoform | 13.79 | 173 | 38300 | 48.80 | ppb | 93 |
| 78) trans-1,4-dichloro-2-buten | 14.19 | 53 | 16787 | 52.49 | ppb # | 83 |
| 80) isopropylbenzene | 14.40 | 105 | 471383 | 64.64 | ppb | 97 |
| 82) bromobenzene | 14.69 | 156 | 100744 | 50.90 | ppb | 89 |
| 83) 1,1,2,2-tetrachloroethane | 14.05 | 83 | 62620 | 53.44 | ppb | 95 |
| 84) 1,2,3-trichloropropane | 14.20 | 75 | 63278 | 52.64 | ppb | 94 |
| 85) n-propylbenzene | 14.85 | 91 | 551757 | 56.78 | ppb | 96 |
| 86) 2-chlorotoluene | 14.97 | 91 | 339042 | 55.64 | ppb | 98 |
| 87) 4-chlorotoluene | 15.04 | 91 | 355112 | 56.94 | ppb | 100 |
| 88) 1,3,5-trimethylbenzene | 15.12 | 105 | 366782 | 53.70 | ppb | 97 |
| 89) tert-butylbenzene | 15.43 | 91 | 203551 | 56.22 | ppb | 95 |
| 90) 1,2,4-trimethylbenzene | 15.53 | 105 | 370840 | 56.83 | ppb | 96 |
| 91) sec-butylbenzene | 15.65 | 105 | 450751 | 56.15 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.82 | 146 | 199963 | 54.25 | ppb | 96 |

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

E56612.D E102011M.M

Fri Nov 04 16:32:35 2011

LPT1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56612.D Vial: 14
 Acq On : 4 Nov 2011 3:59 pm Operator: garyk
 Sample : mc5148-lms Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 16:31 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 93) p-isopropyltoluene | 15.82 | 119 | 354982 | 55.41 | ppb | 96 |
| 94) 1,4-dichlorobenzene | 15.82 | 146 | 199963 | 51.34 | ppb | 95 |
| 95) 1,2-dichlorobenzene | 16.19 | 146 | 152635 | 50.28 | ppb | 94 |
| 96) n-butylbenzene | 16.24 | 91 | 342028 | 55.64 | ppb | 100 |
| 97) 1,2-dibromo-3-chloropropan | 16.67 | 75 | 6983 | 45.60 | ppb | 90 |
| 98) 1,3,5-trichlorobenzene | 17.49 | 180 | 100531 | 45.14 | ppb | 97 |
| 99) 1,2,4-trichlorobenzene | 18.06 | 180 | 62115 | 42.60 | ppb | 97 |
| 100) hexachlorobutadiene | 18.37 | 225 | 50951 | 54.23 | ppb | 95 |
| 101) naphthalene | 18.35 | 128 | 82262 | 37.94 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.56 | 180 | 37027 | 33.40 | ppb | 99 |
| 103) 2-methylnaphthalene | 19.86 | 142 | 23814 | 19.52 | ug/L # | 93 |

6.4.3
6

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

E56612.D E102011M.M Fri Nov 04 16:32:35 2011 LPT1

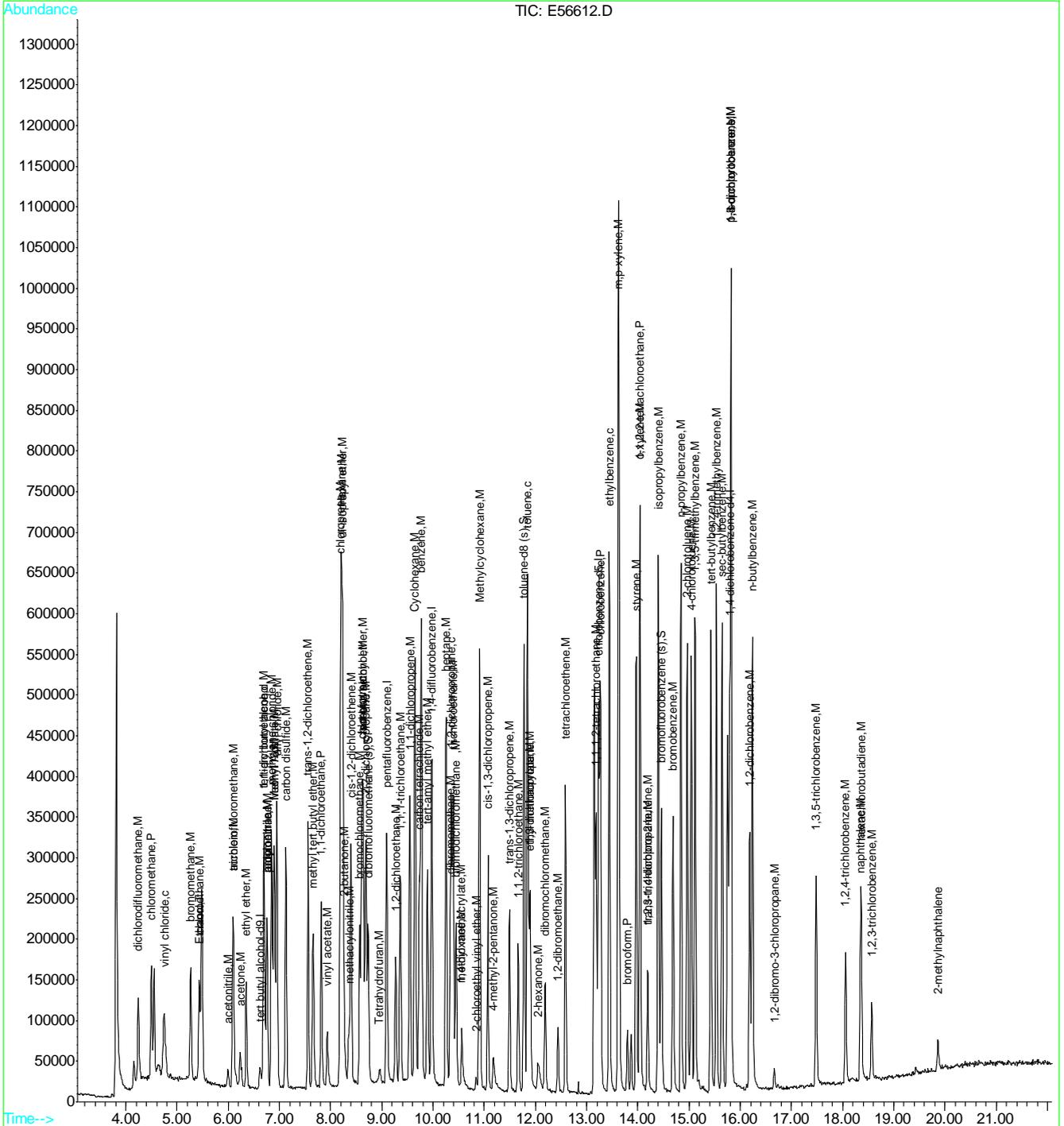
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56612.D
 Acq On : 4 Nov 2011 3:59 pm
 Sample : mc5148-lms
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 16:31 2011

Vial: 14
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56625.D Vial: 27
 Acq On : 4 Nov 2011 10:08 pm Operator: garyk
 Sample : mc5148-1msd Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.61 | 65 | 36837 | 500.00 | ppb | -0.04 |
| 4) pentafluorobenzene | 9.08 | 168 | 225961 | 50.00 | ppb | -0.05 |
| 42) 1,4-difluorobenzene | 9.96 | 114 | 358124 | 50.00 | ppb | -0.05 |
| 65) chlorobenzene-d5 | 13.22 | 82 | 172187 | 50.00 | ppb | -0.04 |
| 79) 1,4-dichlorobenzene-d4 | 15.78 | 152 | 131004 | 50.00 | ppb | -0.04 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|------------|---------|-----|-------|
| 39) dibromofluoromethane (s) | 8.72 | 113 | 108946 | 40.62 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 81.24% | | |
| 59) toluene-d8 (s) | 11.76 | 98 | 401816 | 49.17 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 98.34% | | |
| 81) bromofluorobenzene (s) | 14.45 | 95 | 145694 | 54.05 | ppb | -0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 108.10% | | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.70 | 59 | 56232 | 548.50 | ppb | 93 |
| 3) Ethanol | 5.43 | 45 | 67800 | 4072.54 | ppb | 96 |
| 5) dichlorodifluoromethane | 4.23 | 85 | 139078 | 48.35 | ppb | 92 |
| 6) chloromethane | 4.48 | 50 | 186820 | 51.99 | ppb | 92 |
| 7) vinyl chloride | 4.73 | 62 | 122347 | 41.75 | ppb | 93 |
| 8) bromomethane | 5.25 | 96 | 92329 | 47.90 | ppb | 95 |
| 9) chloroethane | 5.42 | 64 | 90040 | 51.13 | ppb | 94 |
| 10) ethyl ether | 6.34 | 59 | 78353 | 52.63 | ppb | 94 |
| 11) acetonitrile | 5.98 | 41 | 19883 | 46.31 | ppb | # 22 |
| 12) trichlorofluoromethane | 6.09 | 101 | 204471 | 53.88 | ppb | 98 |
| 13) freon-113 | 6.88 | 101 | 135931 | 54.69 | ppb | 95 |
| 14) acrolein | 6.07 | 56 | 27162 | 459.81 | ppb | 85 |
| 15) 1,1-dichloroethene | 6.69 | 96 | 129191 | 57.66 | ppb | 95 |
| 16) acetone | 6.22 | 43 | 59753 | 157.86 | ppb | 86 |
| 17) Methyl Acetate | 6.87 | 43 | 132195 | 72.26 | ppb | # 88 |
| 18) methylene chloride | 6.84 | 84 | 133891 | 54.36 | ppb | 92 |
| 19) methyl tert butyl ether | 7.65 | 73 | 205210 | 56.15 | ppb | 100 |
| 20) acrylonitrile | 6.74 | 53 | 22771 | 251.00 | ppb | 100 |
| 21) allyl chloride | 6.93 | 41 | 293725 | 55.08 | ppb | 93 |
| 22) trans-1,2-dichloroethene | 7.55 | 96 | 141848 | 56.21 | ppb | 94 |
| 23) iodomethane | 6.74 | 142 | 226418 | 53.05 | ppb | 93 |
| 24) carbon disulfide | 7.12 | 76 | 467377 | 54.08 | ppb | 99 |
| 25) propionitrile | 6.74 | 54 | 1456m | 84.17 | ppb | |
| 26) vinyl acetate | 8.05 | 43 | 1240 | 0.34 | ppb | 81 |
| 27) chloroprene | 8.18 | 53 | 243965 | 59.79 | ppb | 98 |
| 28) di-isopropyl ether | 8.22 | 45 | 544892 | 57.30 | ppb | 97 |
| 29) methacrylonitrile | 8.34 | 41 | 47710 | 48.92 | ppb | 91 |
| 30) 2-butanone | 8.24 | 72 | 11792 | 115.07 | ppb | # 1 |
| 31) Hexane | 8.20 | 41 | 282168 | 53.68 | ppb | 88 |
| 32) 1,1-dichloroethane | 7.81 | 63 | 270453 | 56.37 | ppb | 99 |
| 33) tert-butyl ether | 8.62 | 59 | 303656 | 56.10 | ppb | 99 |
| 34) isobutyl alcohol | 8.62 | 43 | 51292 | 266.05 | ppb | 95 |
| 35) 2,2-dichloropropane | 8.68 | 77 | 167501 | 52.46 | ppb | 96 |
| 36) cis-1,2-dichloroethene | 8.39 | 96 | 136939 | 53.01 | ppb | 95 |
| 37) bromochloromethane | 8.56 | 128 | 52521 | 50.65 | ppb | 97 |

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

E56625.D E102011M.M Mon Nov 07 09:27:40 2011 LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-1msd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 38) chloroform | 8.59 | 83 | 237719 | 56.00 | ppb | 96 |
| 40) Tetrahydrofuran | 8.95 | 42 | 17289 | 51.45 | ppb | 96 |
| 41) 1,1,1-trichloroethane | 9.35 | 97 | 194591 | 54.58 | ppb | 92 |
| 43) Cyclohexane | 9.64 | 56 | 264877 | 54.36 | ppb | 96 |
| 44) carbon tetrachloride | 9.72 | 117 | 168860 | 53.78 | ppb | 98 |
| 45) 1,1-dichloropropene | 9.53 | 75 | 191418m | 55.47 | ppb | |
| 46) benzene | 9.76 | 78 | 521218 | 52.78 | ppb | 95 |
| 47) 1,2-dichloroethane | 9.26 | 62 | 131823 | 54.68 | ppb | 94 |
| 48) tert-amyl methyl ether | 9.88 | 73 | 202660m | 53.19 | ppb | |
| 49) heptane | 10.24 | 43 | 223550 | 51.35 | ppb | 93 |
| 50) trichloroethene | 10.38 | 95 | 180386 | 70.41 | ppb | 94 |
| 51) 1,2-dichloropropane | 10.35 | 63 | 133377 | 52.97 | ppb | 100 |
| 52) dibromomethane | 10.32 | 93 | 56565 | 53.11 | ppb | 91 |
| 53) bromodichloromethane | 10.43 | 83 | 158790 | 56.25 | ppb | 87 |
| 54) Methylcyclohexane | 10.89 | 83 | 205025 | 50.56 | ppb | 94 |
| 55) 2-chloroethyl vinyl ether | 10.83 | 63 | 6510 | 37.42 | ppb | 97 |
| 56) methyl methacrylate | 10.55 | 69 | 34239 | 49.71 | ppb | 86 |
| 57) 1,4-dioxane | 10.57 | 88 | 1998 | 199.93 | ppb | # 67 |
| 58) cis-1,3-dichloropropene | 11.05 | 75 | 171823 | 54.36 | ppb | 96 |
| 60) 4-methyl-2-pentanone | 11.17 | 43 | 67975 | 59.19 | ppb | 93 |
| 61) toluene | 11.84 | 92 | 310777 | 54.77 | ppb | 97 |
| 62) trans-1,3-dichloropropene | 11.48 | 75 | 126712 | 60.50 | ppb | 91 |
| 63) 1,1,2-trichloroethane | 11.65 | 83 | 62625 | 54.75 | ppb | 95 |
| 64) ethyl methacrylate | 11.86 | 69 | 72381 | 44.28 | ppb | 82 |
| 66) tetrachloroethene | 12.58 | 166 | 129699 | 51.43 | ppb | 98 |
| 67) 1,3-dichloropropane | 11.89 | 76 | 123876 | 53.87 | ppb | 90 |
| 68) dibromochloromethane | 12.18 | 129 | 88778 | 55.81 | ppb | 92 |
| 69) 1,2-dibromoethane | 12.43 | 107 | 68251 | 53.16 | ppb | 94 |
| 70) 2-hexanone | 12.03 | 43 | 65190 | 91.69 | ppb | 95 |
| 71) chlorobenzene | 13.25 | 112 | 317457 | 53.05 | ppb | 95 |
| 72) 1,1,1,2-tetrachloroethane | 13.18 | 131 | 101310 | 51.21 | ppb | 91 |
| 73) ethylbenzene | 13.43 | 91 | 569106 | 56.41 | ppb | 99 |
| 74) m,p-xylene | 13.62 | 106 | 428910 | 112.20 | ppb | 94 |
| 75) o-xylene | 14.03 | 106 | 206197 | 55.71 | ppb | 98 |
| 76) styrene | 13.95 | 104 | 306680 | 56.35 | ppb | 100 |
| 77) bromoform | 13.79 | 173 | 42820 | 52.09 | ppb | 97 |
| 78) trans-1,4-dichloro-2-buten | 14.18 | 53 | 16835 | 50.33 | ppb | # 84 |
| 80) isopropylbenzene | 14.39 | 105 | 531980 | 69.85 | ppb | 98 |
| 82) bromobenzene | 14.68 | 156 | 113259 | 54.80 | ppb | 98 |
| 83) 1,1,2,2-tetrachloroethane | 14.03 | 83 | 40052 | 32.73 | ppb | 91 |
| 84) 1,2,3-trichloropropane | 14.18 | 75 | 70324 | 56.02 | ppb | 95 |
| 85) n-propylbenzene | 14.84 | 91 | 612101 | 60.32 | ppb | 96 |
| 86) 2-chlorotoluene | 15.03 | 91 | 393751 | 61.88 | ppb | 99 |
| 87) 4-chlorotoluene | 15.03 | 91 | 394430m | 60.57 | ppb | |
| 88) 1,3,5-trimethylbenzene | 15.11 | 105 | 411138 | 57.64 | ppb | 95 |
| 89) tert-butylbenzene | 15.41 | 91 | 230624 | 61.00 | ppb | 89 |
| 90) 1,2,4-trimethylbenzene | 15.52 | 105 | 400963 | 58.84 | ppb | 98 |
| 91) sec-butylbenzene | 15.64 | 105 | 494773 | 59.02 | ppb | 98 |
| 92) 1,3-dichlorobenzene | 15.81 | 146 | 214637 | 55.76 | ppb | 99 |

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

E56625.D E102011M.M

Mon Nov 07 09:27:40 2011

LPT1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56625.D Vial: 27
 Acq On : 4 Nov 2011 10:08 pm Operator: garyk
 Sample : mc5148-lmsd Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 93) p-isopropyltoluene | 15.81 | 119 | 384666 | 57.50 | ppb | 97 |
| 94) 1,4-dichlorobenzene | 15.81 | 146 | 214637 | 52.78 | ppb | 98 |
| 95) 1,2-dichlorobenzene | 16.17 | 146 | 166009 | 52.37 | ppb | 96 |
| 96) n-butylbenzene | 16.23 | 91 | 367660 | 57.28 | ppb | 100 |
| 97) 1,2-dibromo-3-chloropropan | 16.65 | 75 | 8199 | 50.92 | ppb | 89 |
| 98) 1,3,5-trichlorobenzene | 17.47 | 180 | 105275 | 45.26 | ppb | 91 |
| 99) 1,2,4-trichlorobenzene | 18.05 | 180 | 63736 | 41.86 | ppb | 99 |
| 100) hexachlorobutadiene | 18.35 | 225 | 54393 | 55.64 | ppb | 94 |
| 101) naphthalene | 18.34 | 128 | 84065 | 37.28 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.56 | 180 | 35967 | 31.07 | ppb | 98 |
| 103) 2-methylnaphthalene | 19.85 | 142 | 19593 | 15.65 | ug/L # | 90 |

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

E56625.D E102011M.M Mon Nov 07 09:27:40 2011 LPT1

Page 3

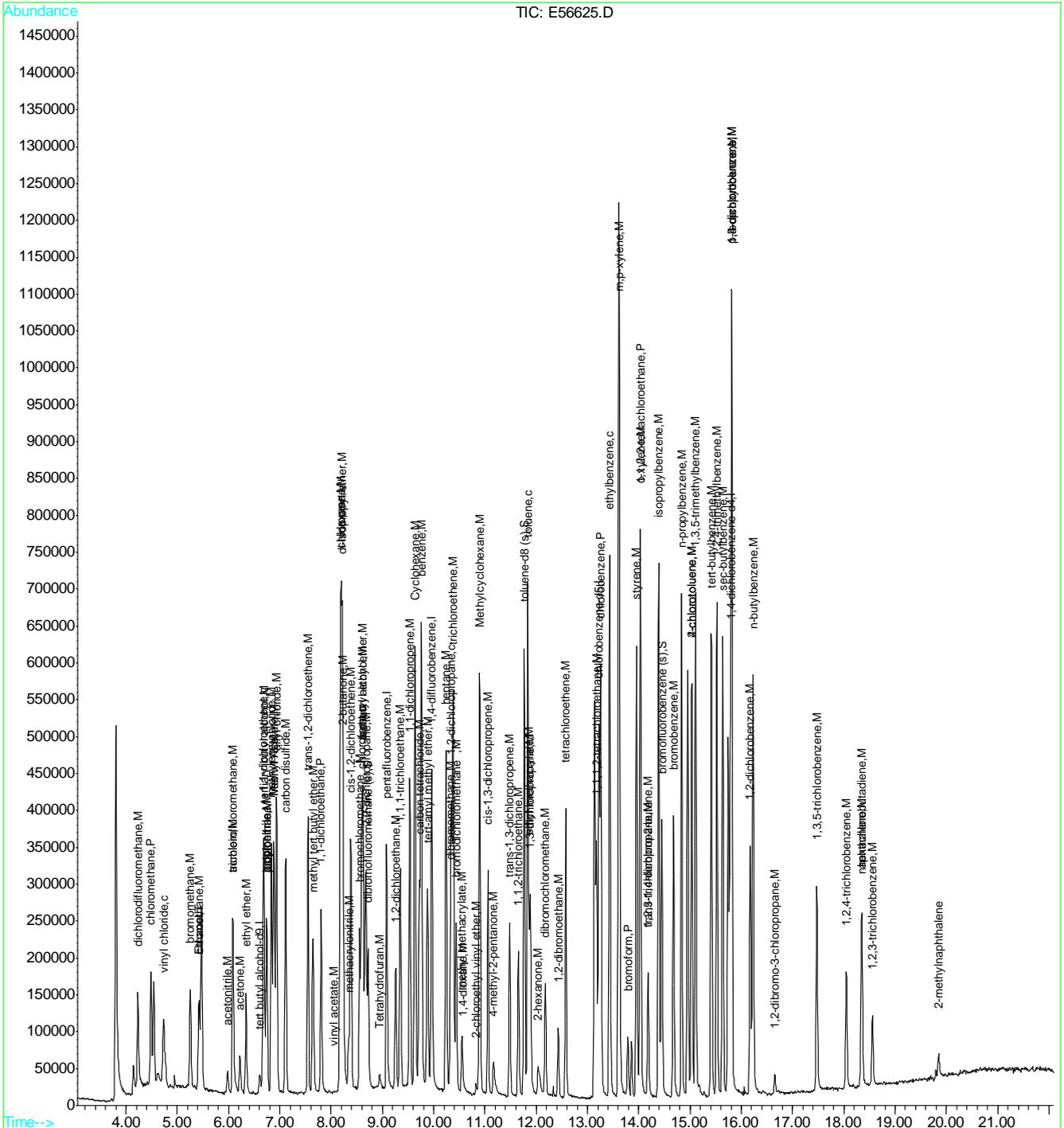
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56625.D
Acq On : 4 Nov 2011 10:08 pm
Sample : mc5148-lmsd
Misc : MS24295,MSE2276,9.761,,100,10,1
MS Integration Params: RTEINT.P
Quant Time: Nov 7 9:17 2011

Vial: 27
Operator: garyk
Inst : MSE
Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 20 16:29:09 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

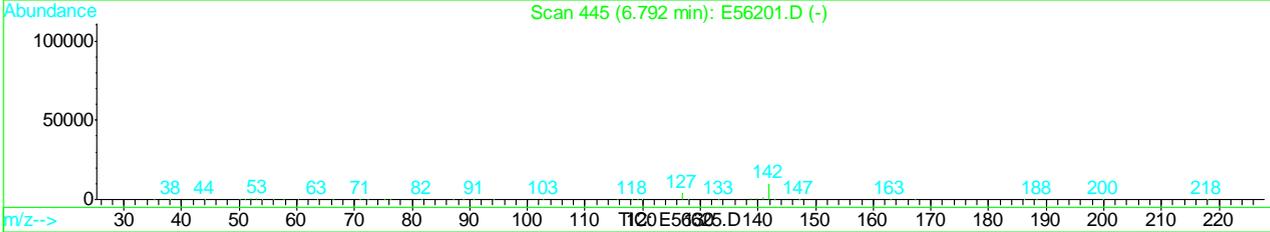
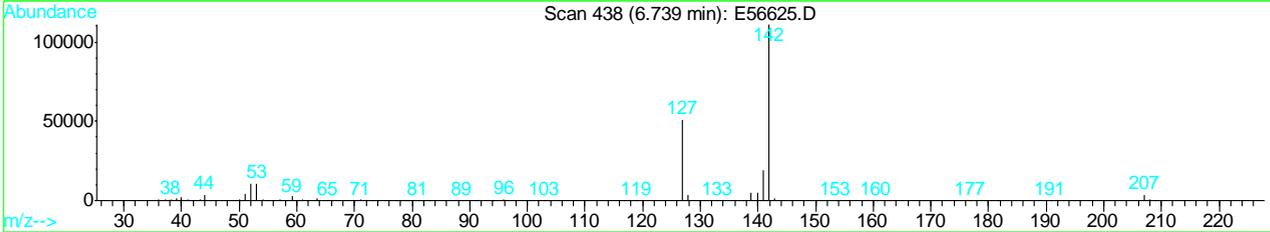
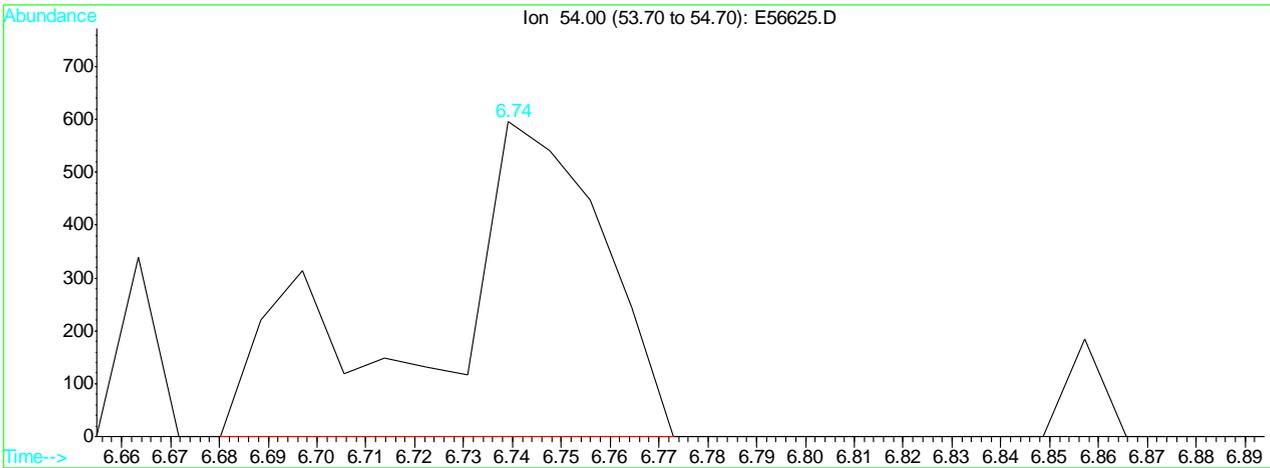
Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-lmsd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:14 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

6.4.4.1

6



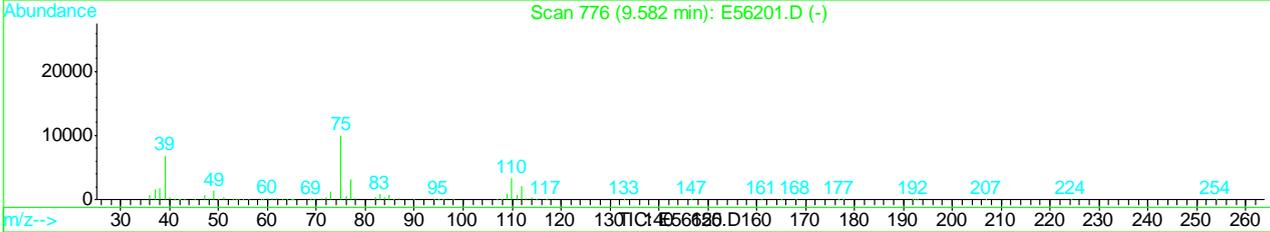
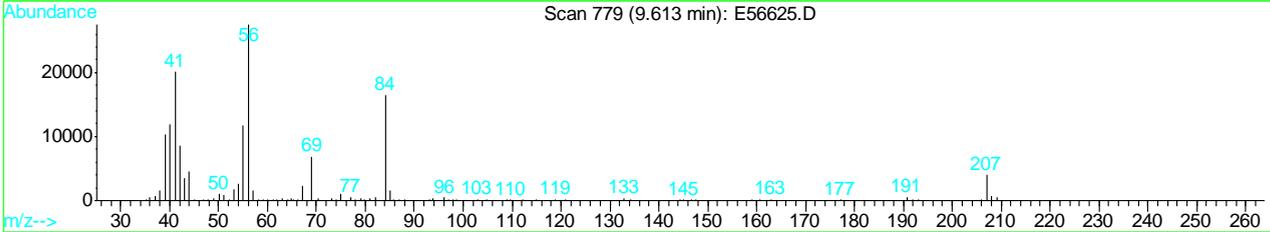
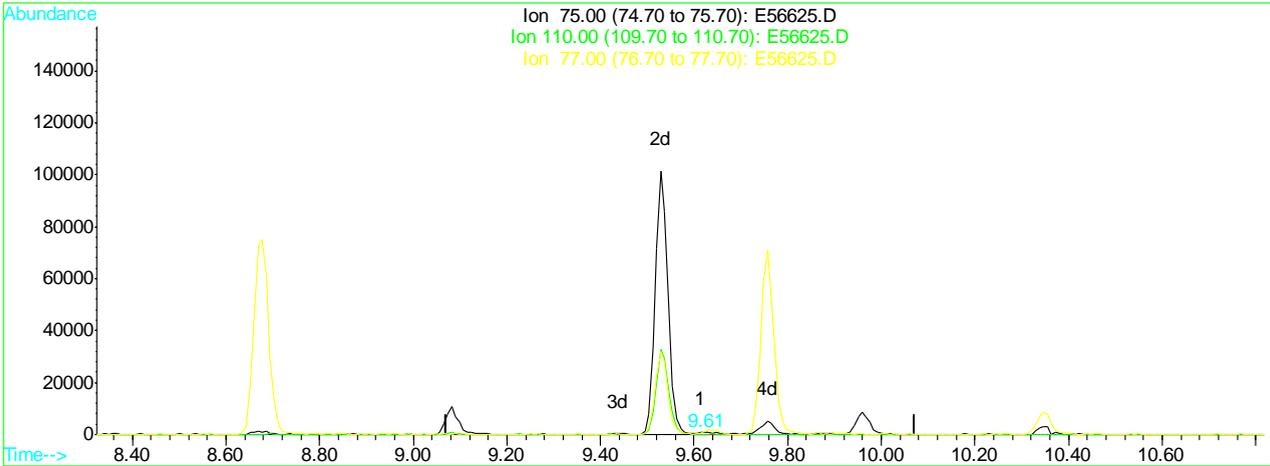
(25) propionitrile (M)
 6.74min 84.17ppb m
 response 1456

| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 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:\HPCHEM\1\DATA\E56625.D Vial: 27
 Acq On : 4 Nov 2011 10:08 pm Operator: garyk
 Sample : mc5148-lmsd Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:14 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(45) 1,1-dichloropropene (M)

9.61min 0.85ppb

response 2943

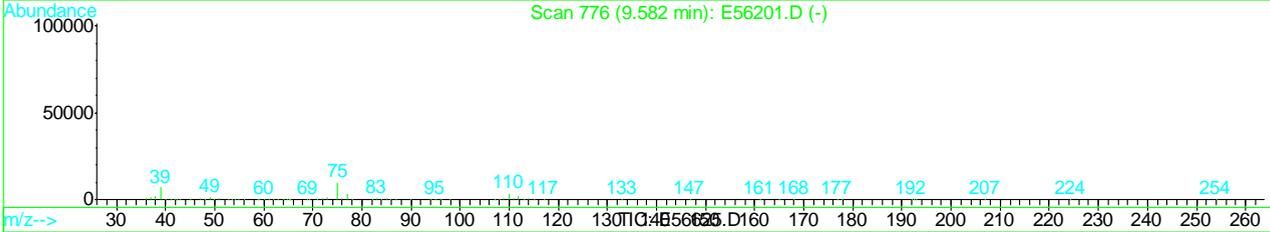
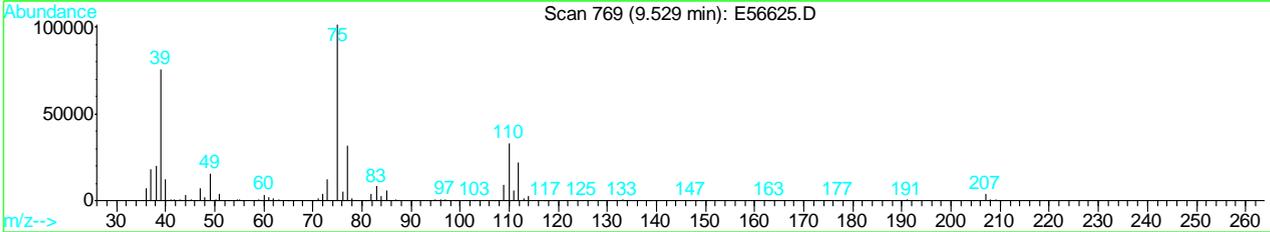
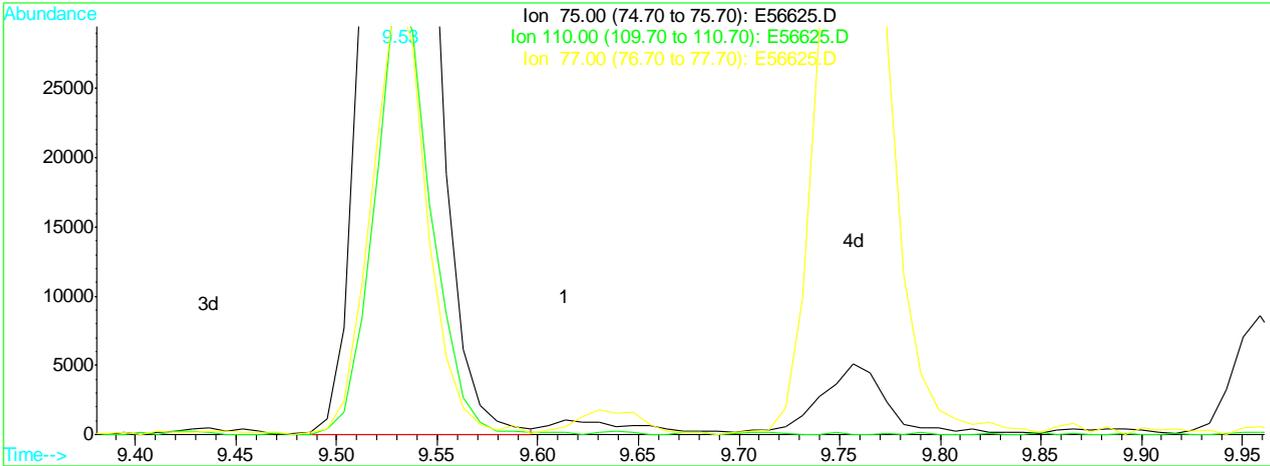
| Ion | Exp% | Act% |
|--------|-------|-------|
| 75.00 | 100 | 100 |
| 110.00 | 34.00 | 5.23 |
| 77.00 | 32.00 | 53.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-lmsd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:16 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(45) 1,1-dichloropropene (M)

9.53min 55.47ppb m

response 191418

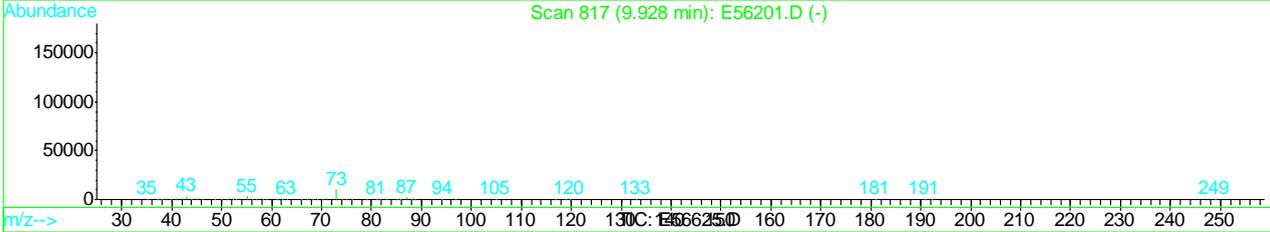
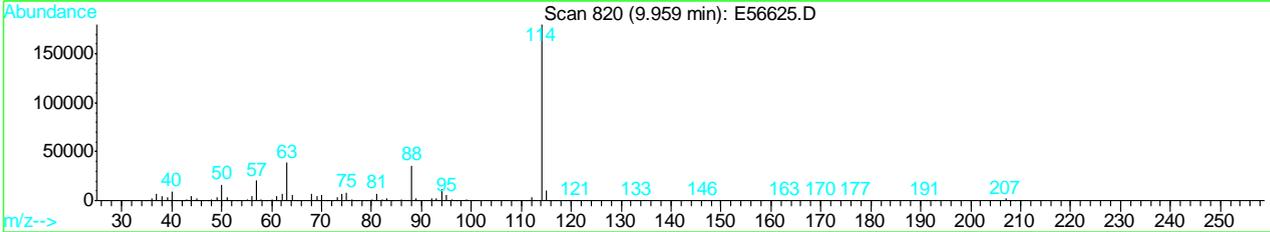
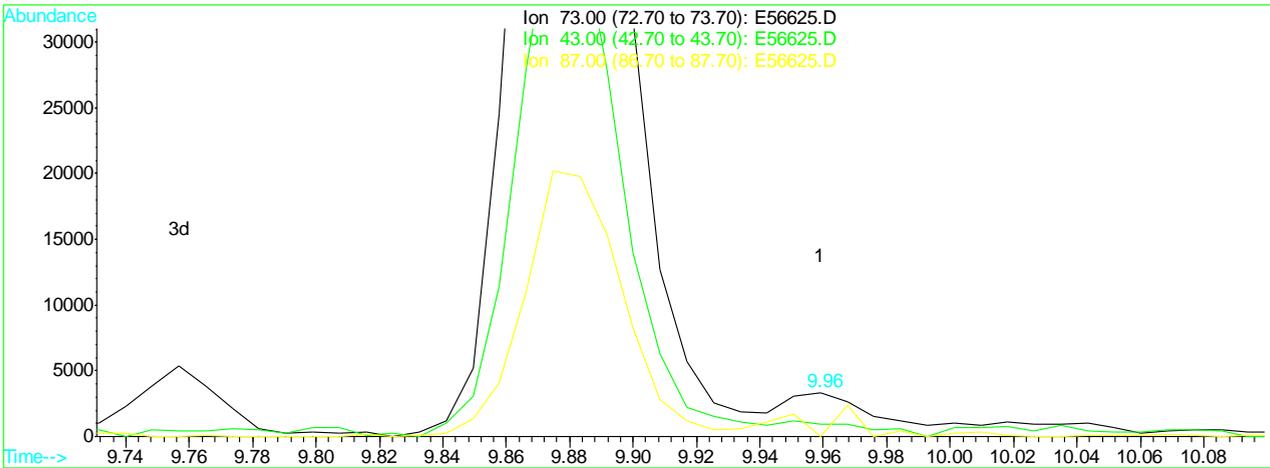
| Ion | Exp% | Act% |
|--------|-------|-------|
| 75.00 | 100 | 100 |
| 110.00 | 34.00 | 32.50 |
| 77.00 | 32.00 | 31.52 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-lmsd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:16 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(48) tert-amyl methyl ether (M)

9.96min 2.48ppb

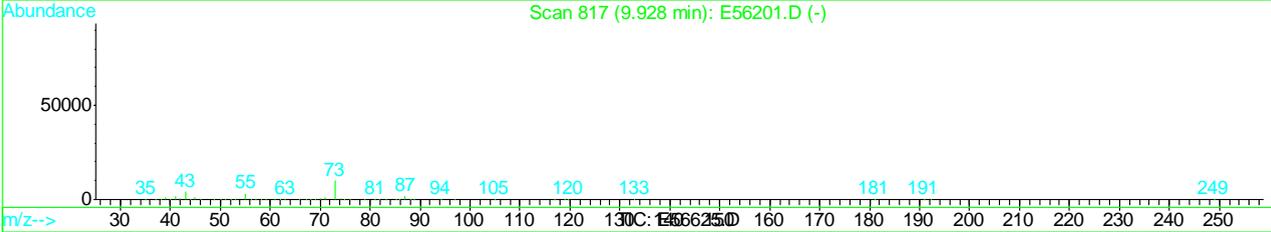
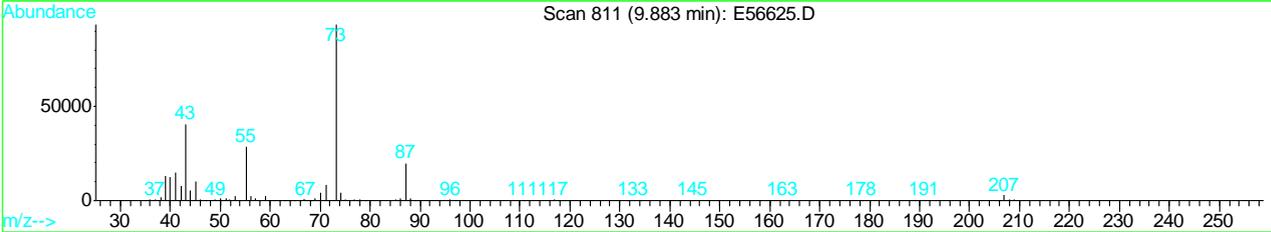
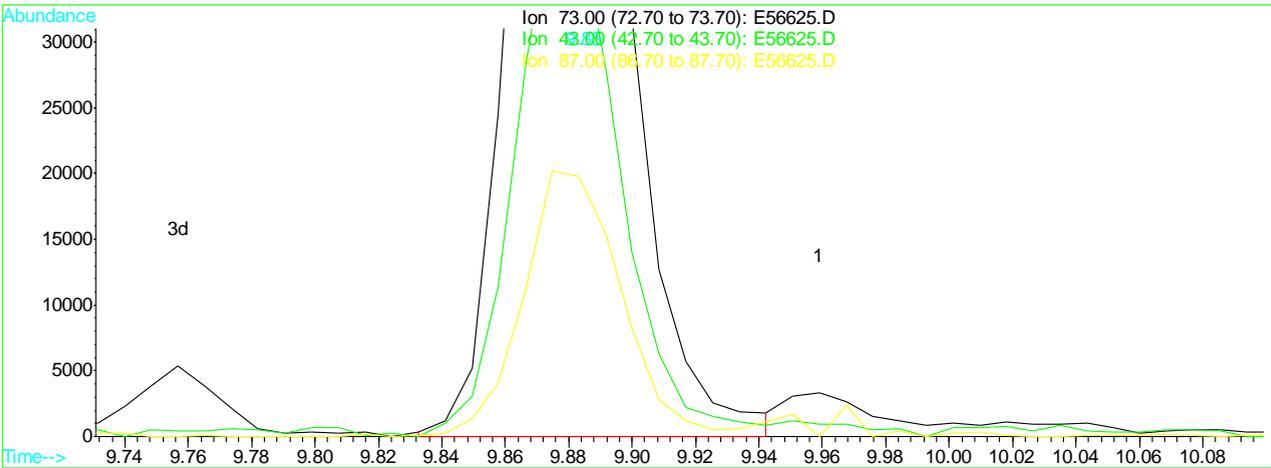
response 9466

| Ion | Exp% | Act% |
|-------|-------|-------|
| 73.00 | 100 | 100 |
| 43.00 | 39.90 | 17.90 |
| 87.00 | 20.80 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D Vial: 27
 Acq On : 4 Nov 2011 10:08 pm Operator: garyk
 Sample : mc5148-lmsd Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(48) tert-amyl methyl ether (M)

9.88min 53.19ppb m

response 202660

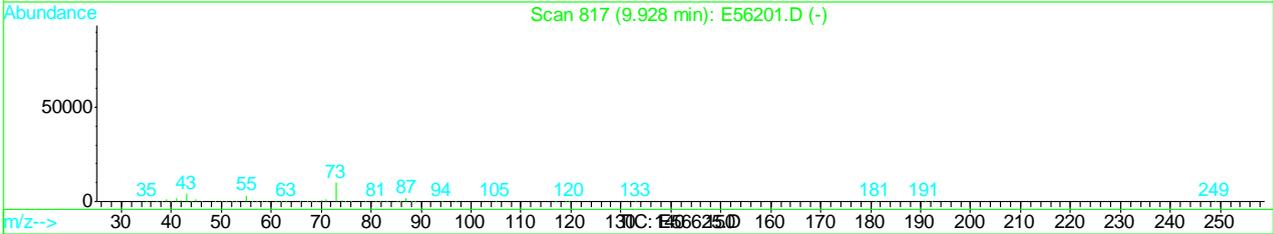
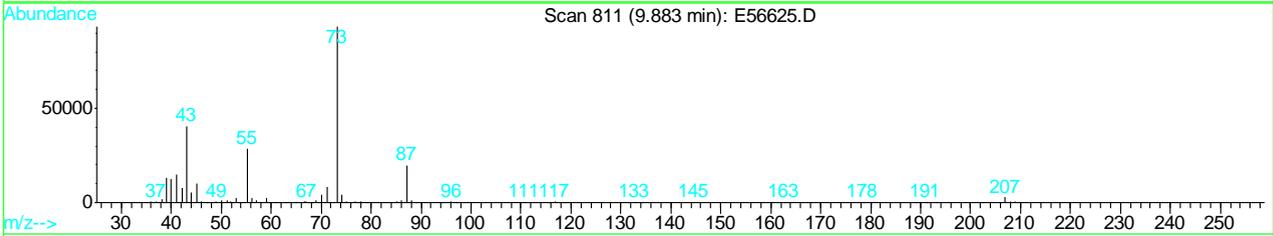
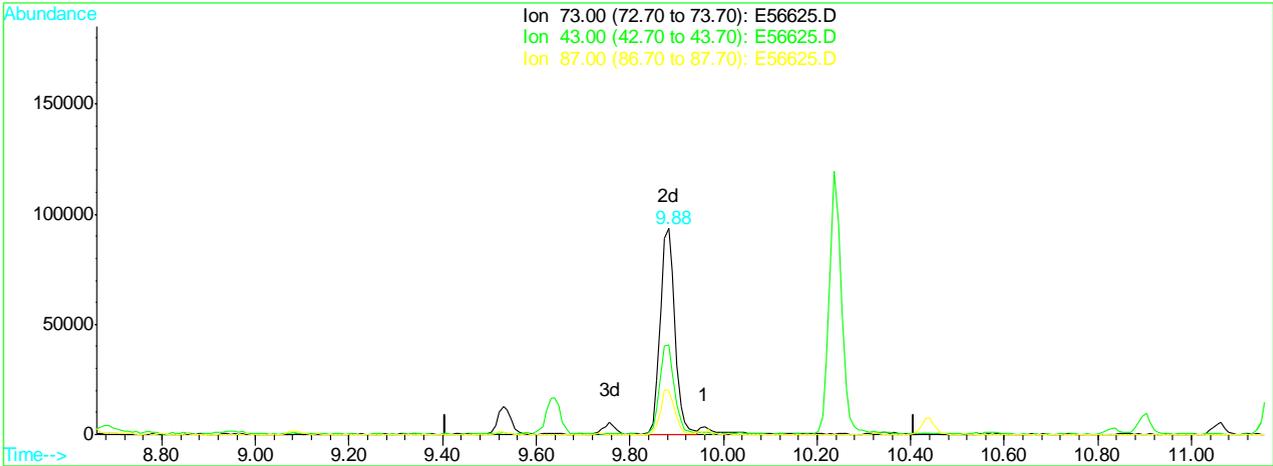
| Ion | Exp% | Act% |
|-------|-------|-------|
| 73.00 | 100 | 100 |
| 43.00 | 39.90 | 43.33 |
| 87.00 | 20.80 | 21.19 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-lmsd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(48) tert-amyl methyl ether (M)

9.88min 53.19ppb m

response 202660

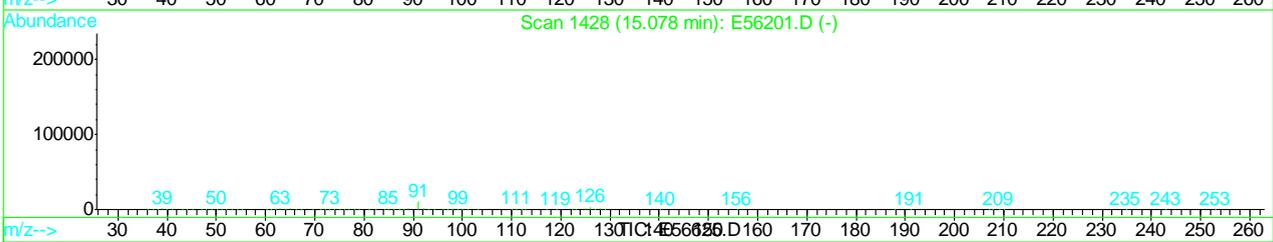
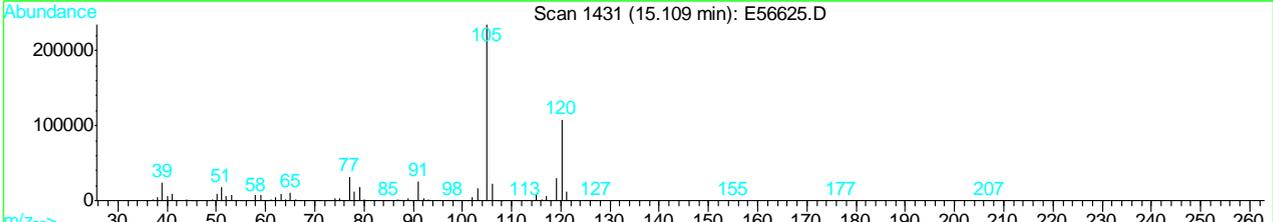
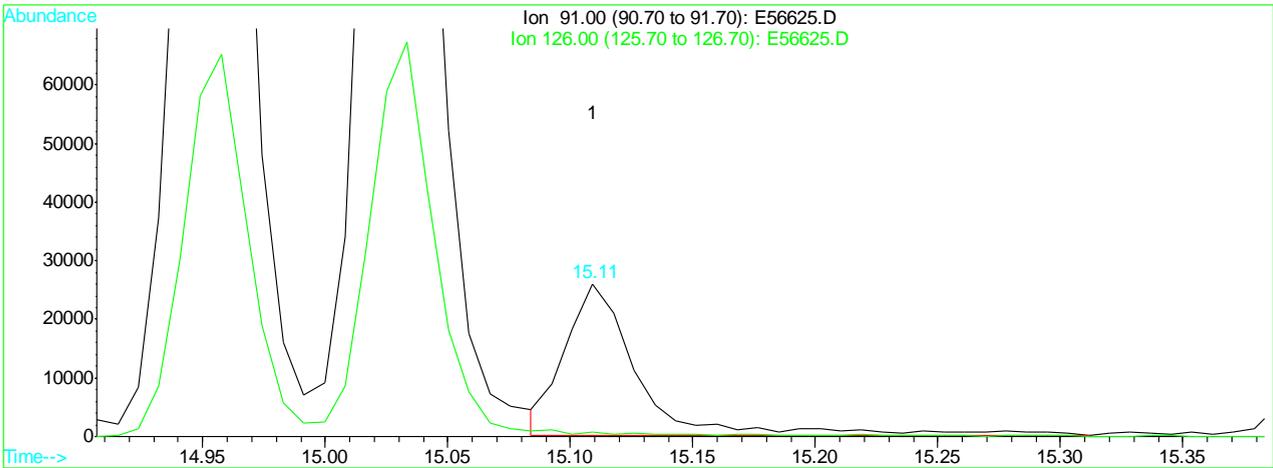
| Ion | Exp% | Act% |
|-------|-------|-------|
| 73.00 | 100 | 100 |
| 43.00 | 39.90 | 43.33 |
| 87.00 | 20.80 | 21.19 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D
 Acq On : 4 Nov 2011 10:08 pm
 Sample : mc5148-lmsd
 Misc : MS24295,MSE2276,9.761,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011

Vial: 27
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(87) 4-chlorotoluene (M)

15.11min 8.47ppb

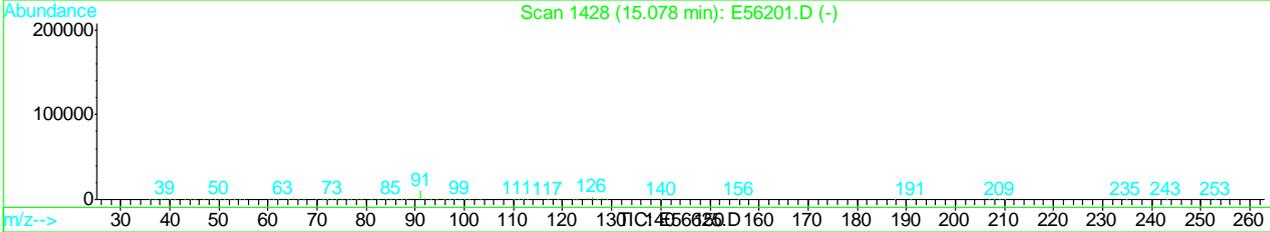
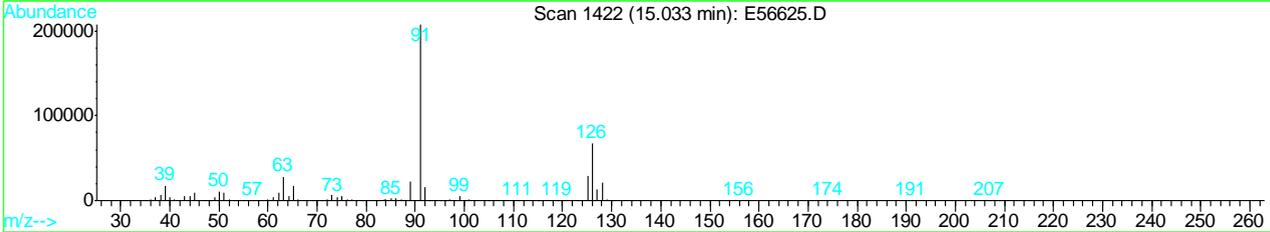
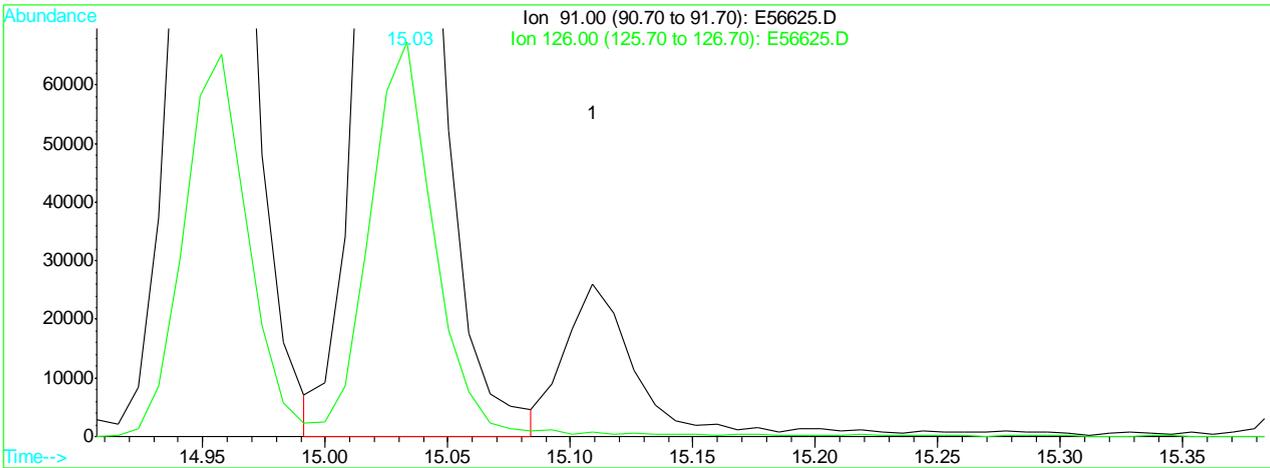
response 55129

| Ion | Exp% | Act% |
|--------|-------|------|
| 91.00 | 100 | 100 |
| 126.00 | 32.30 | 2.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56625.D Vial: 27
 Acq On : 4 Nov 2011 10:08 pm Operator: garyk
 Sample : mc5148-lmsd Inst : MSE
 Misc : MS24295,MSE2276,9.761,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 7 9:17 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(87) 4-chlorotoluene (M)

15.03min 60.57ppb m

response 394430

| Ion | Exp% | Act% |
|--------|-------|-------|
| 91.00 | 100 | 100 |
| 126.00 | 32.30 | 32.49 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24277.D
 Acq On : 5 Nov 2011 6:24 pm
 Operator : danat
 Sample : mc5062-20ms
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 07 17:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.667 | 65 | 27349 | 500.00 | ug/L | 0.01 |
| 4) pentafluorobenzene | 9.077 | 168 | 101679 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.948 | 114 | 163972 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.205 | 82 | 87731 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 84782 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.717 | 113 | 84646 | 48.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.56% |
| 60) toluene-d8 (s) | 11.746 | 98 | 307845 | 48.47 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.94% |
| 82) bromofluorobenzene (s) | 14.430 | 95 | 120839 | 45.89 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 91.78% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 6.742 | 59 | 43778 | 485.03 | ug/L | 98 |
| 3) Ethanol | 5.628 | 45 | 40364 | 2724.13 | ug/L # | 37 |
| 5) dichlorodifluoromethane | 4.395 | 85 | 96191 | 59.92 | ug/L | 93 |
| 6) chloromethane | 4.624 | 50 | 88227 | 53.39 | ug/L | 99 |
| 7) vinyl chloride | 4.877 | 62 | 88598 | 49.22 | ug/L | 100 |
| 8) bromomethane | 5.358 | 96 | 82489 | 55.70 | ug/L | 97 |
| 9) chloroethane | 5.517 | 64 | 75252 | 56.43 | ug/L | 99 |
| 10) ethyl ether | 6.383 | 59 | 77522 | 54.82 | ug/L | 97 |
| 11) acetonitrile | 6.191 | 41 | 11574 | 45.90 | ug/L | 82 |
| 12) trichlorofluoromethane | 6.170 | 101 | 150602 | 55.19 | ug/L | 99 |
| 13) freon-113 | 6.935 | 101 | 101240 | 60.41 | ug/L | 96 |
| 14) acrolein | 6.171 | 56 | 9814 | 344.49 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.736 | 96 | 88085 | 59.23 | ug/L | 99 |
| 16) acetone | 6.277 | 43 | 20470 | 32.20 | ug/L | 94 |
| 17) Methyl Acetate | 6.909 | 43 | 132220 | 68.43 | ug/L | 98 |
| 18) methylene chloride | 6.884 | 84 | 109959 | 55.83 | ug/L | 99 |
| 19) methyl tert butyl ether | 7.664 | 73 | 255400 | 55.27 | ug/L | 99 |
| 20) acrylonitrile | 6.784 | 53 | 33751 | 265.50 | ug/L | 96 |
| 21) allyl chloride | 6.977 | 41 | 129859 | 53.04 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 7.572 | 96 | 97739 | 57.07 | ug/L | 99 |
| 23) iodomethane | 6.796 | 142 | 154401 | 58.19 | ug/L | 98 |
| 24) carbon disulfide | 7.167 | 76 | 227890 | 50.83 | ug/L | 100 |
| 25) propionitrile | 7.841 | 54 | 11362 | 48.70 | ug/L | 100 |
| 26) vinyl acetate | 7.920 | 43 | 120152 | 39.68 | ug/L | 100 |
| 27) chloroprene | 8.188 | 53 | 147573 | 60.53 | ug/L | 100 |
| 28) di-isopropyl ether | 8.226 | 45 | 321578 | 56.92 | ug/L | 98 |
| 29) methacrylonitrile | 8.339 | 41 | 52536 | 51.83 | ug/L | 97 |
| 30) 2-butanone | 8.231 | 72 | 10264 | 45.77 | ug/L # | 55 |
| 31) Hexane | 8.211 | 41 | 151757 | 61.30 | ug/L | 100 |
| 32) 1,1-dichloroethane | 7.823 | 63 | 178076 | 55.92 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.621 | 59 | 292923 | 56.68 | ug/L | 99 |
| 34) isobutyl alcohol | 8.643 | 43 | 43838 | 261.69 | ug/L | 90 |
| 35) 2,2-dichloropropane | 8.686 | 77 | 126624 | 62.39 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 8.393 | 96 | 105874 | 55.09 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24277.D
 Acq On : 5 Nov 2011 6:24 pm
 Operator : danat
 Sample : mc5062-20ms
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 07 17:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 9.866 | 43 | 77374m | 53.28 | ug/L | |
| 38) bromochloromethane | 8.559 | 128 | 50718 | 55.75 | ug/L | 96 |
| 39) chloroform | 8.597 | 83 | 173539 | 55.84 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.930 | 42 | 23875 | 53.74 | ug/L | 88 |
| 42) 1,1,1-trichloroethane | 9.351 | 97 | 142185 | 54.66 | ug/L | 97 |
| 44) Cyclohexane | 9.637 | 56 | 187547 | 59.86 | ug/L | 96 |
| 45) carbon tetrachloride | 9.716 | 117 | 123251 | 58.38 | ug/L | 100 |
| 46) 1,1-dichloropropene | 9.524 | 75 | 132944 | 56.81 | ug/L | 100 |
| 47) benzene | 9.749 | 78 | 398628 | 55.82 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.248 | 62 | 124573 | 54.73 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.867 | 73 | 245687 | 53.79 | ug/L | 99 |
| 50) heptane | 10.227 | 43 | 149376 | 63.39 | ug/L | 98 |
| 51) trichloroethene | 10.368 | 95 | 99444 | 55.37 | ug/L | 99 |
| 52) 1,2-dichloropropane | 10.334 | 63 | 101977 | 55.78 | ug/L | 99 |
| 53) dibromomethane | 10.308 | 93 | 59751 | 55.88 | ug/L | 96 |
| 54) bromodichloromethane | 10.421 | 83 | 120283 | 57.62 | ug/L | 97 |
| 55) Methylcyclohexane | 10.889 | 83 | 181837 | 59.41 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.887 | 63 | 1484 | 5.02 | ug/L # | 1 |
| 57) methyl methacrylate | 10.519 | 69 | 57116 | 52.83 | ug/L | 97 |
| 58) 1,4-dioxane | 10.528 | 88 | 1118 | 121.09 | ug/L | 85 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 140358 | 52.17 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.147 | 43 | 77222 | 53.71 | ug/L | 99 |
| 62) toluene | 11.818 | 92 | 242642 | 58.54 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 11.459 | 75 | 120008 | 54.55 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 70826 | 55.98 | ug/L | 96 |
| 65) ethyl methacrylate | 10.888 | 69 | 38468 | 59.27 | ug/L | 96 |
| 67) tetrachloroethene | 12.561 | 166 | 98380 | 56.64 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 145175 | 54.67 | ug/L | 100 |
| 69) dibromochloromethane | 12.159 | 129 | 81508 | 51.58 | ug/L | 98 |
| 70) 1,2-dibromoethane | 12.411 | 107 | 82071 | 57.14 | ug/L | 100 |
| 71) 2-hexanone | 12.020 | 43 | 48174 | 39.21 | ug/L | 97 |
| 72) chlorobenzene | 13.239 | 112 | 260093 | 55.15 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.158 | 131 | 89744 | 57.73 | ug/L | 98 |
| 74) ethylbenzene | 13.415 | 91 | 454382 | 57.33 | ug/L | 99 |
| 75) m,p-xylene | 13.598 | 106 | 357989 | 119.08 | ug/L | 100 |
| 76) o-xylene | 14.011 | 106 | 179859 | 58.43 | ug/L | 99 |
| 77) styrene | 13.938 | 104 | 273661 | 57.45 | ug/L | 100 |
| 78) bromoform | 13.766 | 173 | 47450 | 46.88 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 23553 | 46.08 | ug/L # | 88 |
| 81) isopropylbenzene | 14.374 | 105 | 461105 | 65.82 | ug/L | 100 |
| 83) bromobenzene | 14.662 | 156 | 110672 | 55.20 | ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 116902 | 54.96 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 114571 | 52.47 | ug/L | 99 |
| 86) n-propylbenzene | 14.819 | 91 | 558485 | 57.99 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.937 | 91 | 328292 | 54.46 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.013 | 91 | 343054 | 56.79 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.095 | 105 | 392329 | 56.33 | ug/L | 100 |
| 90) tert-butylbenzene | 15.400 | 91 | 225481 | 56.04 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 398616 | 56.72 | ug/L | 100 |
| 92) sec-butylbenzene | 15.622 | 105 | 528218 | 57.21 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24277.D
 Acq On : 5 Nov 2011 6:24 pm
 Operator : danat
 Sample : mc5062-20ms
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 07 17:29:53 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

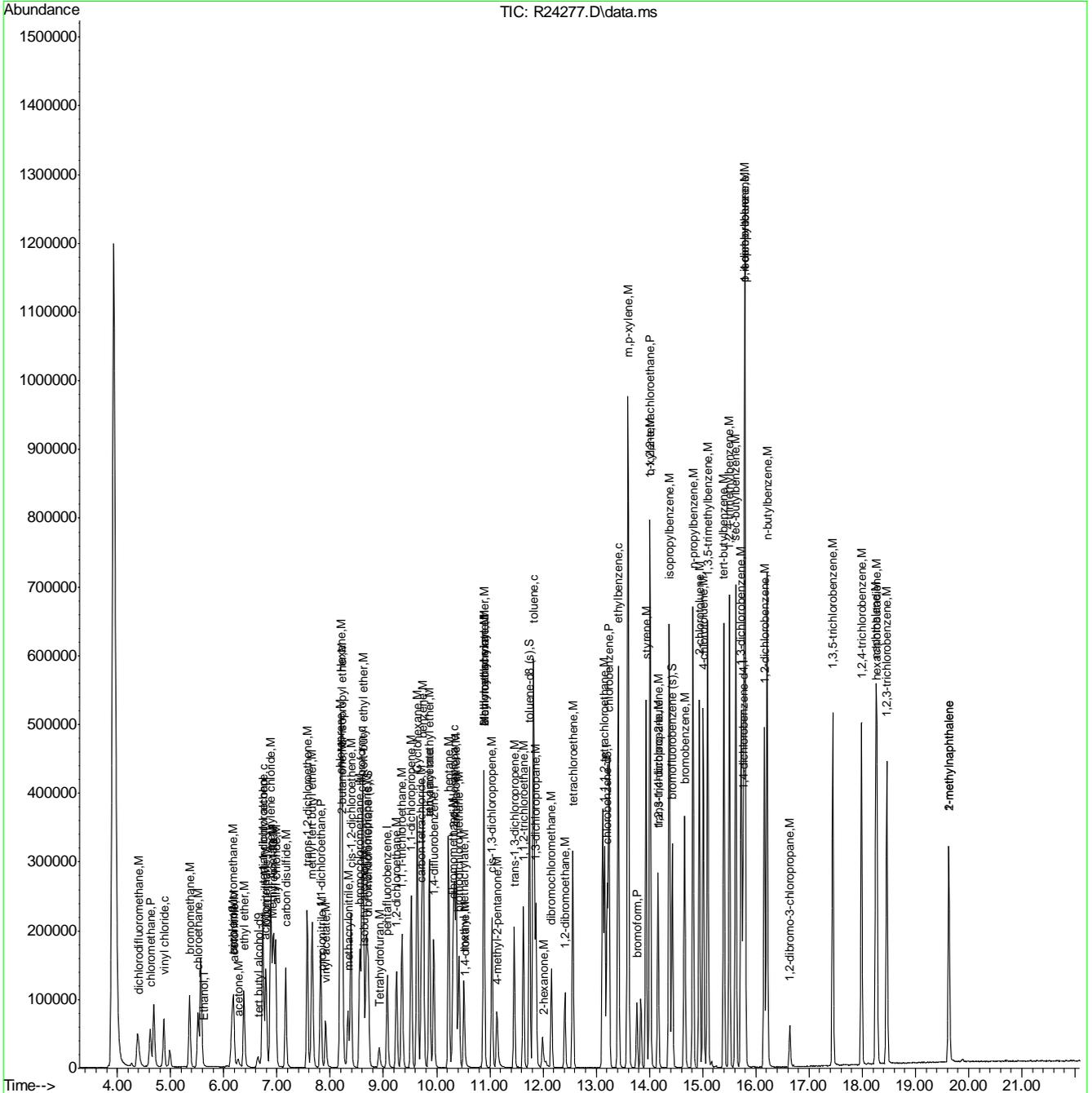
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.724 | 146 | 221469 | 55.45 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.793 | 119 | 442664 | 61.30 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 242095 | 57.10 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 16.159 | 146 | 216714 | 54.74 | ug/L | 98 |
| 97) n-butylbenzene | 16.211 | 91 | 436059 | 58.79 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 16.640 | 75 | 17590 | 52.29 | ug/L | 98 |
| 99) 1,3,5-trichlorobenzene | 17.447 | 180 | 173145 | 53.65 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.986 | 180 | 170591 | 55.62 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.276 | 225 | 89860 | 52.94 | ug/L | 97 |
| 102) naphthalene | 18.255 | 128 | 367036 | 53.21 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.462 | 180 | 156102 | 53.82 | ug/L | 98 |
| 104) 1-methylnaphthalene | 19.630 | 142 | 183951 | 122.57 | ug/L | 97 |
| 105) 2-methylnaphthalene | 19.630 | 142 | 183723 | 49.62 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24277.D
Acq On : 5 Nov 2011 6:24 pm
Operator : danat
Sample : mc5062-20ms
Misc : MS24310,MSR901,5,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 07 17:29:53 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24278.D
 Acq On : 5 Nov 2011 6:52 pm
 Operator : danat
 Sample : mc5062-20msd
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:30:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 6.680 | 65 | 36470 | 500.00 | ug/L | 0.03 | |
| 4) pentafluorobenzene | 9.079 | 168 | 105885 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 9.949 | 114 | 170917 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 13.203 | 82 | 96044 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 87274 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 8.720 | 113 | 87111 | 48.20 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.40% | |
| 60) toluene-d8 (s) | 11.746 | 98 | 318625 | 48.12 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.24% | |
| 82) bromofluorobenzene (s) | 14.430 | 95 | 125874 | 46.44 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 92.88% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.743 | 59 | 56184 | 466.80 | ug/L | | 98 |
| 3) Ethanol | 5.627 | 45 | 74801 | 3785.70 | ug/L | | 99 |
| 5) dichlorodifluoromethane | 4.401 | 85 | 98512 | 58.93 | ug/L | | 94 |
| 6) chloromethane | 4.631 | 50 | 91497 | 53.17 | ug/L | | 98 |
| 7) vinyl chloride | 4.883 | 62 | 91959 | 49.06 | ug/L | | 99 |
| 8) bromomethane | 5.364 | 96 | 86034 | 55.79 | ug/L | | 95 |
| 9) chloroethane | 5.523 | 64 | 79968 | 57.59 | ug/L | | 99 |
| 10) ethyl ether | 6.386 | 59 | 80624 | 54.75 | ug/L | | 98 |
| 11) acetonitrile | 6.189 | 41 | 14122 | 53.72 | ug/L | | 83 |
| 12) trichlorofluoromethane | 6.175 | 101 | 158029 | 55.61 | ug/L | | 99 |
| 13) freon-113 | 6.939 | 101 | 104821 | 60.06 | ug/L | | 99 |
| 14) acrolein | 6.172 | 56 | 15511 | 522.84 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 6.740 | 96 | 94395 | 60.95 | ug/L | | 96 |
| 16) acetone | 6.276 | 43 | 22707 | 34.30 | ug/L | | 99 |
| 17) Methyl Acetate | 6.910 | 43 | 135253 | 67.22 | ug/L | | 99 |
| 18) methylene chloride | 6.887 | 84 | 114832 | 55.99 | ug/L | | 98 |
| 19) methyl tert butyl ether | 7.667 | 73 | 264585 | 54.98 | ug/L | | 99 |
| 20) acrylonitrile | 6.784 | 53 | 35054 | 264.80 | ug/L | | 93 |
| 21) allyl chloride | 6.980 | 41 | 136744 | 53.63 | ug/L | | 99 |
| 22) trans-1,2-dichloroethene | 7.575 | 96 | 103906 | 58.26 | ug/L | | 99 |
| 23) iodomethane | 6.800 | 142 | 163594 | 59.20 | ug/L | | 98 |
| 24) carbon disulfide | 7.171 | 76 | 245866 | 52.42 | ug/L | | 99 |
| 25) propionitrile | 7.835 | 54 | 12051 | 49.61 | ug/L | | 100 |
| 26) vinyl acetate | 7.922 | 43 | 125977 | 39.95 | ug/L | | 100 |
| 27) chloroprene | 8.191 | 53 | 156530 | 61.65 | ug/L | | 99 |
| 28) di-isopropyl ether | 8.228 | 45 | 336417 | 57.18 | ug/L | | 97 |
| 29) methacrylonitrile | 8.341 | 41 | 54684 | 51.81 | ug/L | | 95 |
| 30) 2-butanone | 8.232 | 72 | 10983 | 47.03 | ug/L | # | 9 |
| 31) Hexane | 8.213 | 41 | 156124 | 60.55 | ug/L | | 95 |
| 32) 1,1-dichloroethane | 7.826 | 63 | 187207 | 56.45 | ug/L | | 97 |
| 33) tert-butyl ethyl ether | 8.623 | 59 | 306426 | 56.93 | ug/L | | 99 |
| 34) isobutyl alcohol | 8.644 | 43 | 46953 | 269.15 | ug/L | | 94 |
| 35) 2,2-dichloropropane | 8.688 | 77 | 133304 | 63.07 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 8.395 | 96 | 111133 | 55.53 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24278.D
 Acq On : 5 Nov 2011 6:52 pm
 Operator : danat
 Sample : mc5062-20msd
 Misc : MS24310,MSR901,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:30:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 9.870 | 43 | 80546m | 53.26 | ug/L | |
| 38) bromochloromethane | 8.561 | 128 | 52658 | 55.59 | ug/L | 97 |
| 39) chloroform | 8.599 | 83 | 180503 | 55.78 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.930 | 42 | 25073 | 54.20 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 150321 | 55.47 | ug/L | 100 |
| 44) Cyclohexane | 9.638 | 56 | 194580 | 59.58 | ug/L | 99 |
| 45) carbon tetrachloride | 9.717 | 117 | 130509 | 59.30 | ug/L | 99 |
| 46) 1,1-dichloropropene | 9.526 | 75 | 141615 | 58.05 | ug/L | 99 |
| 47) benzene | 9.750 | 78 | 420364 | 56.48 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.249 | 62 | 129295 | 54.50 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.869 | 73 | 257332 | 54.05 | ug/L | 100 |
| 50) heptane | 10.228 | 43 | 157208 | 64.00 | ug/L | 96 |
| 51) trichloroethene | 10.369 | 95 | 105371 | 56.28 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.335 | 63 | 106822 | 56.05 | ug/L | 99 |
| 53) dibromomethane | 10.310 | 93 | 61632 | 55.30 | ug/L | 98 |
| 54) bromodichloromethane | 10.422 | 83 | 126614 | 58.19 | ug/L | 98 |
| 55) Methylcyclohexane | 10.890 | 83 | 191408 | 60.00 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.888 | 63 | 1502 | 4.98 | ug/L # | 1 |
| 57) methyl methacrylate | 10.520 | 69 | 59865 | 53.08 | ug/L | 97 |
| 58) 1,4-dioxane | 10.530 | 88 | 2729 | 198.92 | ug/L # | 59 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 146391 | 52.20 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.147 | 43 | 79283 | 52.90 | ug/L | 99 |
| 62) toluene | 11.819 | 92 | 255002 | 59.02 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.459 | 75 | 126492 | 55.11 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 74161 | 56.24 | ug/L | 96 |
| 65) ethyl methacrylate | 10.889 | 69 | 40540 | 59.92 | ug/L | 100 |
| 67) tetrachloroethene | 12.561 | 166 | 104595 | 55.01 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 152022 | 52.30 | ug/L | 98 |
| 69) dibromochloromethane | 12.160 | 129 | 85336 | 49.49 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.412 | 107 | 84764 | 53.91 | ug/L | 99 |
| 71) 2-hexanone | 12.020 | 43 | 50462 | 37.25 | ug/L | 99 |
| 72) chlorobenzene | 13.240 | 112 | 271991 | 52.68 | ug/L | 100 |
| 73) 1,1,1,2-tetrachloroethane | 13.159 | 131 | 92834 | 54.55 | ug/L | 99 |
| 74) ethylbenzene | 13.415 | 91 | 480629 | 55.40 | ug/L | 99 |
| 75) m,p-xylene | 13.598 | 106 | 376084 | 114.27 | ug/L | 98 |
| 76) o-xylene | 14.011 | 106 | 187181 | 55.54 | ug/L | 98 |
| 77) styrene | 13.938 | 104 | 286463 | 54.94 | ug/L | 100 |
| 78) bromoform | 13.766 | 173 | 49894 | 45.28 | ug/L | 100 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 25047 | 44.76 | ug/L # | 78 |
| 81) isopropylbenzene | 14.374 | 105 | 483947 | 67.11 | ug/L | 99 |
| 83) bromobenzene | 14.662 | 156 | 115483 | 55.96 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 120891 | 55.22 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 119367 | 53.10 | ug/L | 99 |
| 86) n-propylbenzene | 14.819 | 91 | 583518 | 58.86 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.937 | 91 | 344040 | 55.44 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.013 | 91 | 356244 | 57.29 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.095 | 105 | 407958 | 56.90 | ug/L | 100 |
| 90) tert-butylbenzene | 15.400 | 91 | 235928 | 56.97 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 413091 | 57.10 | ug/L | 100 |
| 92) sec-butylbenzene | 15.622 | 105 | 554678 | 58.36 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24278.D
 Acq On : 5 Nov 2011 6:52 pm
 Operator : danat
 Sample : mc5062-20msd
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:30:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

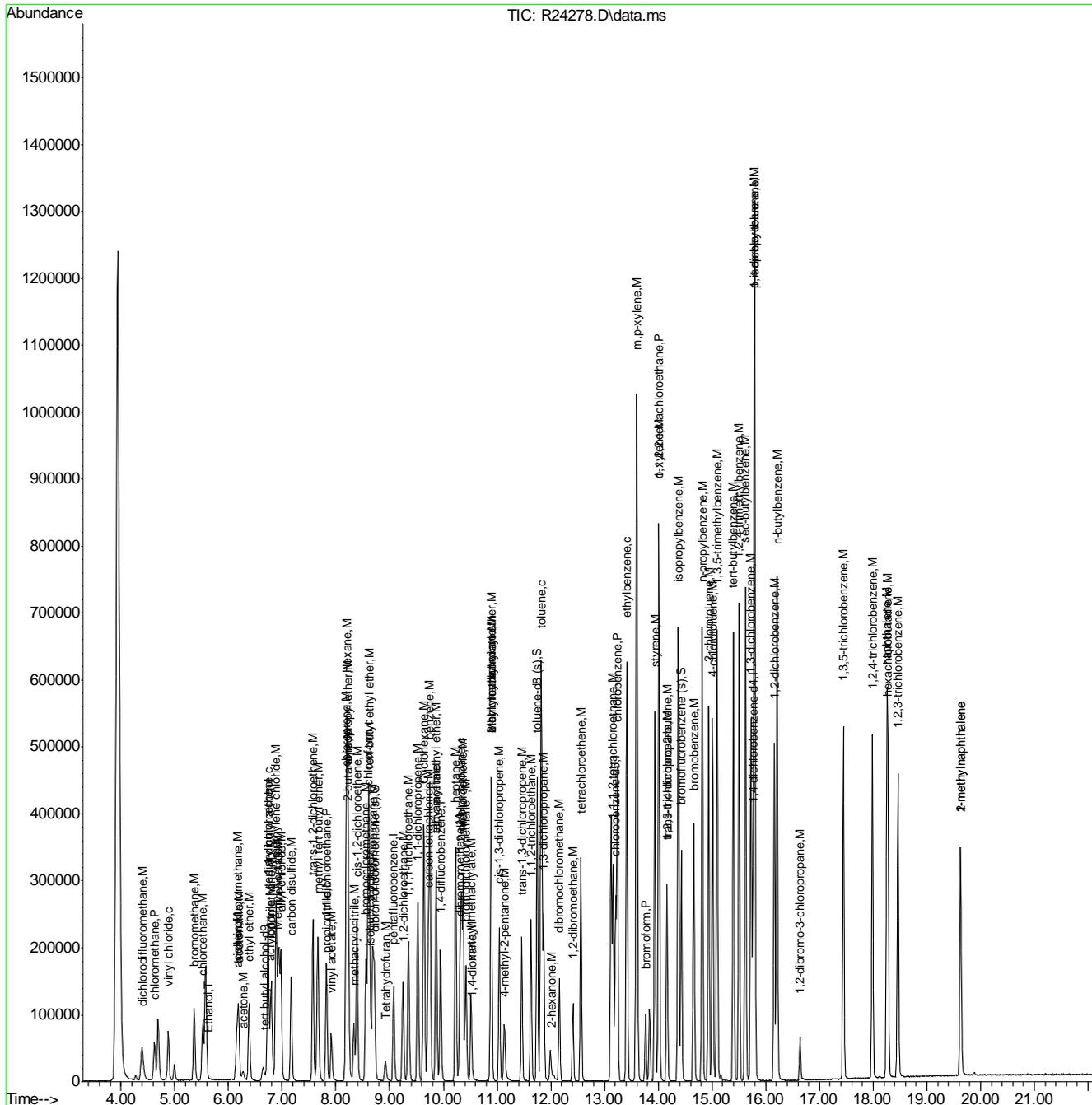
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 230554 | 56.08 | ug/L | 100 |
| 94) p-isopropyltoluene | 15.794 | 119 | 461048 | 62.03 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 249644 | 57.20 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.159 | 146 | 224568 | 55.10 | ug/L | 98 |
| 97) n-butylbenzene | 16.211 | 91 | 453129 | 59.35 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 16.639 | 75 | 17790 | 51.53 | ug/L | 93 |
| 99) 1,3,5-trichlorobenzene | 17.447 | 180 | 179563 | 54.05 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 17.986 | 180 | 175630 | 55.62 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.276 | 225 | 95539 | 54.68 | ug/L | 97 |
| 102) naphthalene | 18.255 | 128 | 382235 | 53.84 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.461 | 180 | 160784 | 53.85 | ug/L | 97 |
| 104) 1-methylnaphthalene | 19.629 | 142 | 204298 | 132.24 | ug/L | 97 |
| 105) 2-methylnaphthalene | 19.629 | 142 | 204302 | 53.61 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24278.D
Acq On : 5 Nov 2011 6:52 pm
Operator : danat
Sample : mc5062-20msd
Misc : MS24310,MSR901,5,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 17:30:11 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Sat Nov 05 12:11:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3115.D
 Acq On : 6 Nov 2011 9:31 pm
 Operator : AMYM
 Sample : mc5183-5ms
 Misc : MS24312,MSV137,4.538,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 07 15:05:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.483 | 65 | 397633 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.504 | 168 | 693515 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.697 | 114 | 1037028 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.058 | 82 | 619589 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.294 | 152 | 552756 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.384 | 113 | 423300 | 58.74 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 117.48% | |
| 60) toluene-d8 (s) | 9.522 | 98 | 1581298 | 55.60 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 111.20% | |
| 82) bromofluorobenzene (s) | 12.217 | 95 | 619087 | 51.94 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.88% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.587 | 59 | 611880 | 572.60 | ug/L | | 98 |
| 3) Ethanol | 2.475 | 45 | 225727 | 4073.48 | ug/L | | 89 |
| 5) dichlorodifluoromethane | 1.504 | 85 | 641924 | 63.92 | ug/L | | 98 |
| 6) chloromethane | 1.604 | 50 | 525675 | 55.36 | ug/L | | 95 |
| 7) vinyl chloride | 1.716 | 62 | 514965 | 48.68 | ug/L | | 96 |
| 8) bromomethane | 1.993 | 96 | 343973 | 59.75 | ug/L | | 93 |
| 9) chloroethane | 2.090 | 64 | 294403 | 58.75 | ug/L | | 98 |
| 10) ethyl ether | 2.580 | 59 | 348801 | 59.35 | ug/L | | 92 |
| 11) acetonitrile | 3.256 | 41 | 743069 | 58.14 | ug/L | | 97 |
| 12) trichlorofluoromethane | 2.329 | 101 | 686619 | 57.75 | ug/L | | 94 |
| 13) freon-113 | 2.872 | 101 | 525611 | 61.19 | ug/L | | 97 |
| 14) acrolein | 2.731 | 56 | 124497 | 419.10 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.835 | 96 | 479472 | 63.55 | ug/L | | 89 |
| 16) acetone | 2.880 | 43 | 185031 | 33.28 | ug/L | | 98 |
| 17) Methyl Acetate | 3.246 | 43 | 551449 | 60.92 | ug/L | | 92 |
| 18) methylene chloride | 3.427 | 84 | 570569 | 57.45 | ug/L | | 87 |
| 19) methyl tert butyl ether | 3.795 | 73 | 1363674 | 65.90 | ug/L | | 98 |
| 20) acrylonitrile | 4.566 | 53 | 851606 | 313.65 | ug/L | | 98 |
| 21) allyl chloride | 3.256 | 41 | 745753 | 60.11 | ug/L | | 88 |
| 22) trans-1,2-dichloroethene | 3.790 | 96 | 514346 | 59.49 | ug/L | | 90 |
| 23) iodomethane | 3.002 | 142 | 806096 | 60.92 | ug/L | | 96 |
| 24) carbon disulfide | 3.083 | 76 | 1596992 | 54.66 | ug/L | | 100 |
| 25) propionitrile | 5.598 | 54 | 88059 | 75.11 | ug/L | | 100 |
| 26) vinyl acetate | 4.485 | 43 | 518384 | 28.74 | ug/L | | 95 |
| 27) chloroprene | 4.566 | 53 | 851606 | 62.73 | ug/L | | 86 |
| 28) di-isopropyl ether | 4.550 | 45 | 1560785 | 56.56 | ug/L | | 96 |
| 29) methacrylonitrile | 5.866 | 41 | 422154 | 80.09 | ug/L | | 90 |
| 30) 2-butanone | 5.904 | 72 | 70966 | 82.17 | ug/L | | 71 |
| 31) Hexane | 4.197 | 41 | 529998 | 58.51 | ug/L | | 91 |
| 32) 1,1-dichloroethane | 4.455 | 63 | 952518 | 58.06 | ug/L | | 98 |
| 33) tert-butyl ethyl ether | 5.217 | 59 | 1370950 | 52.74 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.198 | 43 | 449217 | 294.96 | ug/L | | 98 |
| 35) 2,2-dichloropropane | 5.489 | 77 | 614903 | 50.10 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.473 | 96 | 554815 | 57.58 | ug/L | | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3115.D
 Acq On : 6 Nov 2011 9:31 pm
 Operator : AMYM
 Sample : mc5183-5ms
 Misc : MS24312,MSV137,4.538,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 07 15:05:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.244 | 43 | 368589m | 53.77 | ug/L | |
| 38) bromochloromethane | 5.895 | 128 | 257577 | 61.69 | ug/L # | 76 |
| 39) chloroform | 6.113 | 83 | 975983 | 57.52 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.902 | 42 | 176666 | 83.62 | ug/L | 90 |
| 42) 1,1,1-trichloroethane | 6.354 | 97 | 805769 | 52.98 | ug/L | 95 |
| 44) Cyclohexane | 6.459 | 56 | 926601 | 54.00 | ug/L | 89 |
| 45) carbon tetrachloride | 6.608 | 117 | 708180 | 61.68 | ug/L | 98 |
| 46) 1,1-dichloropropene | 6.627 | 75 | 751258 | 59.22 | ug/L | 97 |
| 47) benzene | 6.947 | 78 | 2014309 | 56.95 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.076 | 62 | 793831 | 62.10 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.243 | 73 | 1117245 | 52.47 | ug/L | 92 |
| 50) heptane | 7.511 | 43 | 758489 | 58.21 | ug/L | 90 |
| 51) trichloroethene | 7.991 | 95 | 542500 | 58.06 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.344 | 63 | 543430 | 57.54 | ug/L | 98 |
| 53) dibromomethane | 8.448 | 93 | 354731 | 66.75 | ug/L | 98 |
| 54) bromodichloromethane | 8.702 | 83 | 703682 | 54.85 | ug/L | 97 |
| 55) Methylcyclohexane | 8.295 | 83 | 883530 | 57.82 | ug/L | 89 |
| 57) methyl methacrylate | 8.481 | 69 | 410697 | 81.87 | ug/L | 84 |
| 58) 1,4-dioxane | 8.459 | 88 | 30710 | 349.33 | ug/L | 69 |
| 59) cis-1,3-dichloropropene | 9.234 | 75 | 801889 | 53.10 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.421 | 43 | 660590 | 82.38 | ug/L | 95 |
| 62) toluene | 9.598 | 92 | 1266195 | 56.41 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.890 | 75 | 753100 | 59.16 | ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.095 | 83 | 431843 | 64.50 | ug/L | 98 |
| 65) ethyl methacrylate | 9.973 | 69 | 724647 | 62.79 | ug/L | 88 |
| 67) tetrachloroethene | 10.152 | 166 | 573877 | 58.22 | ug/L | 100 |
| 68) 1,3-dichloropropane | 10.259 | 76 | 877495 | 63.30 | ug/L | 99 |
| 69) dibromochloromethane | 10.479 | 129 | 535879 | 60.48 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.588 | 107 | 544703 | 70.41 | ug/L | 97 |
| 71) 2-hexanone | 10.333 | 43 | 503331 | 64.61 | ug/L | 97 |
| 72) chlorobenzene | 11.088 | 112 | 1354664 | 55.95 | ug/L | 93 |
| 73) 1,1,1,2-tetrachloroethane | 11.189 | 131 | 485766 | 62.29 | ug/L | 98 |
| 74) ethylbenzene | 11.195 | 91 | 2453815 | 57.19 | ug/L | 99 |
| 75) m,p-xylene | 11.327 | 106 | 1819391 | 112.45 | ug/L | 100 |
| 76) o-xylene | 11.696 | 106 | 893317 | 57.39 | ug/L | 100 |
| 77) styrene | 11.718 | 104 | 1480087 | 57.31 | ug/L | 96 |
| 78) bromoform | 11.891 | 173 | 363580 | 61.46 | ug/L | 100 |
| 79) trans-1,4-dichloro-2-b... | 12.115 | 53 | 248077 | 77.80 | ug/L | 92 |
| 81) isopropylbenzene | 12.053 | 105 | 2398372 | 65.92 | ug/L | 98 |
| 83) bromobenzene | 12.342 | 156 | 600534 | 56.14 | ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 12.351 | 83 | 761598 | 71.58 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.397 | 75 | 846398 | 67.01 | ug/L | 96 |
| 86) n-propylbenzene | 12.446 | 91 | 2831925 | 56.34 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.523 | 91 | 1708781 | 53.34 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.637 | 91 | 1977556 | 54.14 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 12.618 | 105 | 1948679 | 53.67 | ug/L | 100 |
| 90) tert-butylbenzene | 12.907 | 91 | 1161154 | 54.72 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 12.963 | 105 | 1967244 | 53.94 | ug/L | 97 |
| 92) sec-butylbenzene | 13.114 | 105 | 2523752 | 55.05 | ug/L | 99 |
| 93) 1,3-dichlorobenzene | 13.220 | 146 | 1046500 | 53.91 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3115.D
 Acq On : 6 Nov 2011 9:31 pm
 Operator : AMYM
 Sample : mc5183-5ms
 Misc : MS24312,MSV137,4.538,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 07 15:05:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

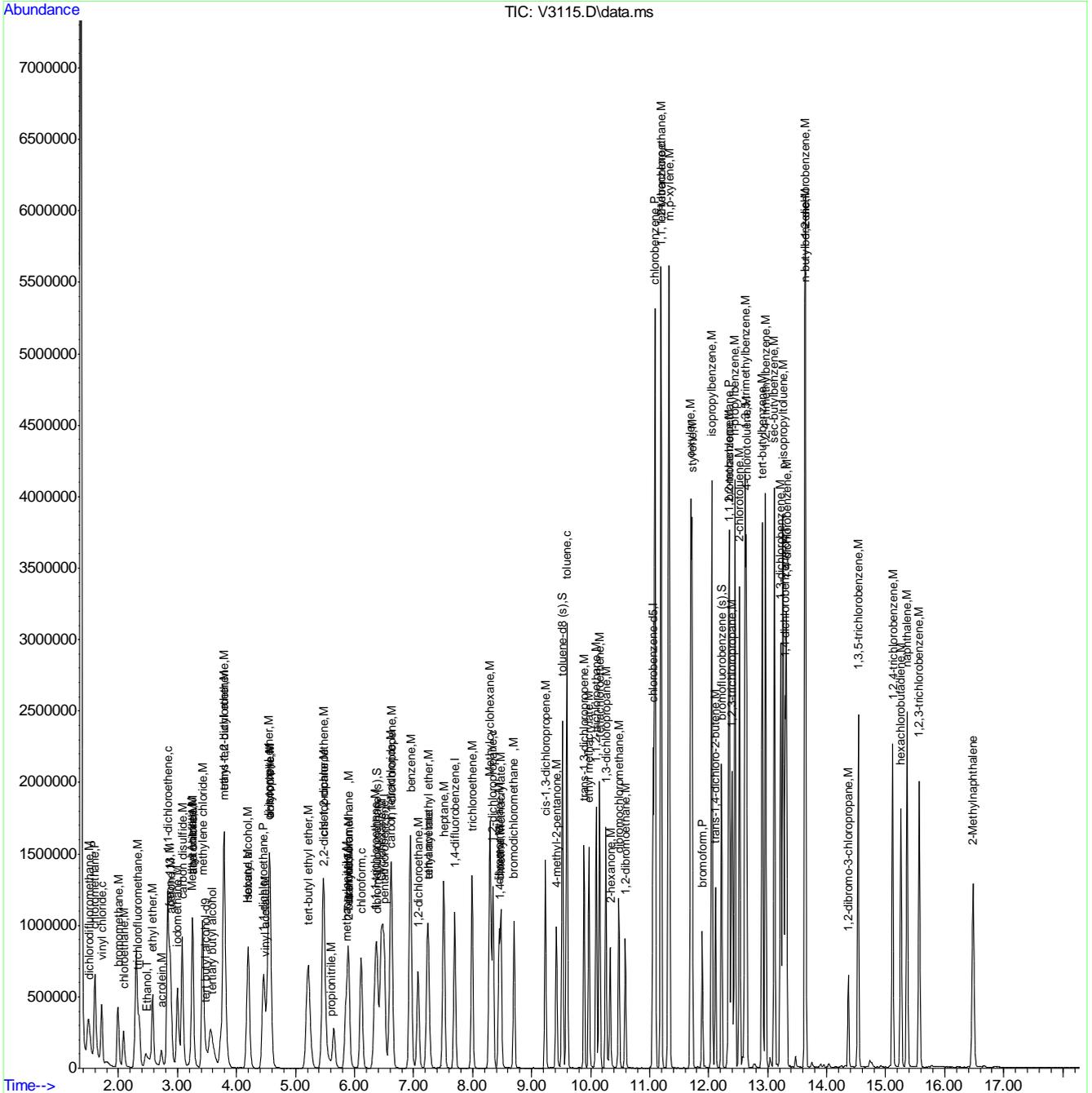
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| 94) p-isopropyltoluene | 13.259 | 119 | 1966120 | 56.30 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.317 | 146 | 1063563 | 53.01 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.640 | 146 | 1009535 | 55.31 | ug/L | 97 |
| 97) n-butylbenzene | 13.632 | 91 | 1957713 | 53.84 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropr... | 14.366 | 75 | 145638 | 72.97 | ug/L | 82 |
| 99) 1,3,5-trichlorobenzene | 14.533 | 180 | 731864 | 46.98 | ug/L | 96 |
| 100) 1,2,4-trichlorobenzene | 15.117 | 180 | 709279 | 51.70 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.257 | 225 | 405797 | 47.76 | ug/L | 100 |
| 102) naphthalene | 15.363 | 128 | 1930928 | 64.68 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.568 | 180 | 673579 | 50.24 | ug/L | 93 |
| 104) 2-Methylnaphthalene | 16.481 | 142 | 922464 | 48.91 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.666 | 142 | 7244 | Below Cal | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3115.D
Acq On : 6 Nov 2011 9:31 pm
Operator : AMYM
Sample : mc5183-5ms
Misc : MS24312,MSV137,4.538,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 07 15:05:38 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration



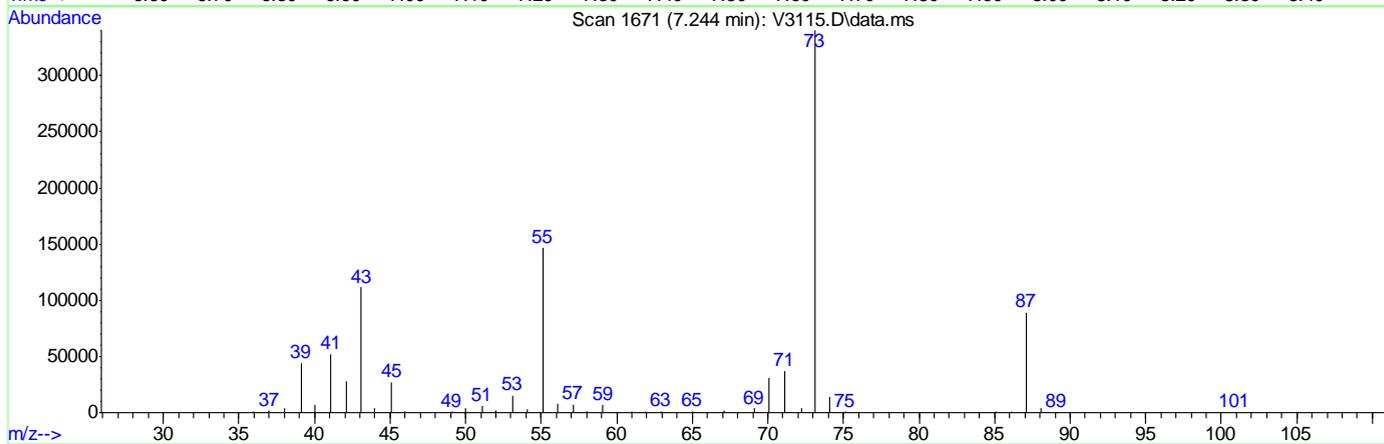
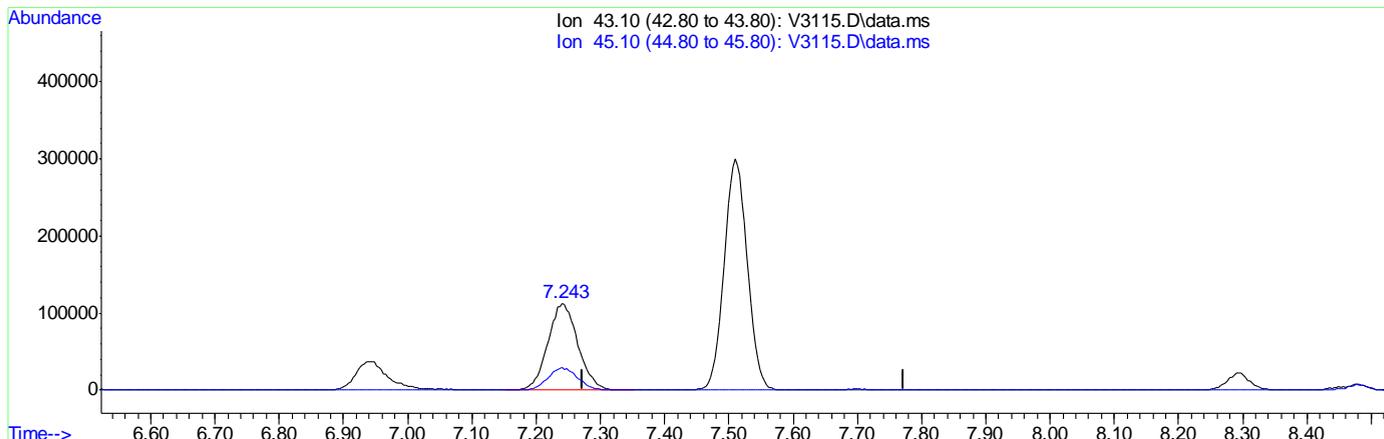
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3115.D
 Acq On : 6 Nov 2011 9:31 pm
 Operator : AMYM
 Sample : mc5183-5ms
 Misc : MS24312,MSV137,4.538,,,5,1
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 07 14:53:56 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.4.7.1

6



(37) ethyl acetate
 7.244min (-0.029) 53.77ug/L m
 response 368589

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3116.D
 Acq On : 6 Nov 2011 10:02 pm
 Operator : AMYM
 Sample : mc5183-5msd
 Misc : MS24312,MSV137,4.285,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 07 15:06:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.486 | 65 | 389951 | 500.00 | ug/L | -0.03 |
| 4) pentafluorobenzene | 6.501 | 168 | 738860 | 50.00 | ug/L | -0.03 |
| 43) 1,4-difluorobenzene | 7.695 | 114 | 1111151 | 50.00 | ug/L | -0.03 |
| 66) chlorobenzene-d5 | 11.058 | 82 | 668368 | 50.00 | ug/L | -0.02 |
| 80) 1,4-dichlorobenzene-d4 | 13.294 | 152 | 604870 | 50.00 | ug/L | -0.02 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.381 | 113 | 420678 | 54.79 | ug/L | -0.03 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 109.58% |
| 60) toluene-d8 (s) | 9.521 | 98 | 1596217 | 52.38 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.76% |
| 82) bromofluorobenzene (s) | 12.217 | 95 | 623638 | 47.82 | ug/L | -0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 95.64% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 3.592 | 59 | 573854 | 547.59 | ug/L | 96 |
| 3) Ethanol | 2.461 | 45 | 116432 | 2142.53 | ug/L # | 72 |
| 5) dichlorodifluoromethane | 1.493 | 85 | 598966 | 55.98 | ug/L | 100 |
| 6) chloromethane | 1.599 | 50 | 525339 | 51.93 | ug/L | 96 |
| 7) vinyl chloride | 1.711 | 62 | 512403 | 45.46 | ug/L | 97 |
| 8) bromomethane | 1.987 | 96 | 349971 | 57.06 | ug/L | 98 |
| 9) chloroethane | 2.083 | 64 | 298321 | 55.88 | ug/L | 100 |
| 10) ethyl ether | 2.574 | 59 | 355491 | 56.78 | ug/L | 95 |
| 11) acetonitrile | 3.251 | 41 | 755838 | 55.51 | ug/L | 98 |
| 12) trichlorofluoromethane | 2.322 | 101 | 697690 | 55.08 | ug/L | 100 |
| 13) freon-113 | 2.865 | 101 | 540272 | 59.04 | ug/L | 98 |
| 14) acrolein | 2.730 | 56 | 91579 | 289.36 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.827 | 96 | 492384 | 61.26 | ug/L | 93 |
| 16) acetone | 2.881 | 43 | 171088 | 29.56 | ug/L | 97 |
| 17) Methyl Acetate | 3.242 | 43 | 476821 | 49.45 | ug/L | 92 |
| 18) methylene chloride | 3.420 | 84 | 587388 | 55.45 | ug/L | 85 |
| 19) methyl tert butyl ether | 3.788 | 73 | 1400542 | 63.53 | ug/L | 99 |
| 20) acrylonitrile | 4.561 | 53 | 876705 | 303.07 | ug/L | 99 |
| 21) allyl chloride | 3.251 | 41 | 758278 | 57.36 | ug/L | 90 |
| 22) trans-1,2-dichloroethene | 3.784 | 96 | 535445 | 58.13 | ug/L | 88 |
| 23) iodomethane | 2.994 | 142 | 832748 | 59.08 | ug/L | 96 |
| 24) carbon disulfide | 3.075 | 76 | 1638409 | 52.78 | ug/L | 100 |
| 25) propionitrile | 5.601 | 54 | 86990 | 69.65 | ug/L | 100 |
| 26) vinyl acetate | 4.477 | 43 | 437563 | 22.79 | ug/L | 96 |
| 27) chloroprene | 4.561 | 53 | 876705 | 60.61 | ug/L | 89 |
| 28) di-isopropyl ether | 4.545 | 45 | 1630731 | 55.47 | ug/L | 97 |
| 29) methacrylonitrile | 5.863 | 41 | 420373 | 74.85 | ug/L | 92 |
| 30) 2-butanone | 5.903 | 72 | 71550 | 77.76 | ug/L | 77 |
| 31) Hexane | 4.192 | 41 | 552345 | 57.24 | ug/L # | 91 |
| 32) 1,1-dichloroethane | 4.450 | 63 | 993307 | 56.83 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 5.211 | 59 | 1431615 | 51.76 | ug/L | 94 |
| 34) isobutyl alcohol | 4.192 | 43 | 471719 | 290.73 | ug/L | 95 |
| 35) 2,2-dichloropropane | 5.484 | 77 | 641871 | 49.21 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 5.468 | 96 | 573665 | 55.89 | ug/L | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3116.D
 Acq On : 6 Nov 2011 10:02 pm
 Operator : AMYM
 Sample : mc5183-5msd
 Misc : MS24312,MSV137,4.285,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 07 15:06:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.241 | 43 | 383287m | 52.56 | ug/L | |
| 38) bromochloromethane | 5.891 | 128 | 268504 | 60.36 | ug/L # | 81 |
| 39) chloroform | 6.109 | 83 | 1012416 | 56.00 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.900 | 42 | 174927 | 77.72 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 6.350 | 97 | 843296 | 52.10 | ug/L | 97 |
| 44) Cyclohexane | 6.455 | 56 | 973466 | 52.95 | ug/L | 94 |
| 45) carbon tetrachloride | 6.603 | 117 | 740168 | 60.17 | ug/L | 98 |
| 46) 1,1-dichloropropene | 6.623 | 75 | 790072 | 58.13 | ug/L | 96 |
| 47) benzene | 6.943 | 78 | 2105798 | 55.56 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.073 | 62 | 815243 | 59.52 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.240 | 73 | 1174415 | 51.53 | ug/L | 94 |
| 50) heptane | 7.509 | 43 | 798178 | 57.17 | ug/L | 91 |
| 51) trichloroethene | 7.989 | 95 | 567849 | 56.72 | ug/L | 92 |
| 52) 1,2-dichloropropane | 8.343 | 63 | 570582 | 56.38 | ug/L | 99 |
| 53) dibromomethane | 8.447 | 93 | 368336 | 64.68 | ug/L | 95 |
| 54) bromodichloromethane | 8.701 | 83 | 734514 | 53.51 | ug/L | 99 |
| 55) Methylcyclohexane | 8.293 | 83 | 932611 | 56.96 | ug/L | 92 |
| 57) methyl methacrylate | 8.479 | 69 | 415016 | 77.21 | ug/L | 82 |
| 58) 1,4-dioxane | 8.463 | 88 | 25105 | 270.75 | ug/L # | 25 |
| 59) cis-1,3-dichloropropene | 9.233 | 75 | 838184 | 51.88 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.420 | 43 | 657763 | 76.49 | ug/L | 96 |
| 62) toluene | 9.597 | 92 | 1331902 | 55.38 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.889 | 75 | 788496 | 57.90 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.095 | 83 | 445459 | 62.09 | ug/L | 98 |
| 65) ethyl methacrylate | 9.972 | 69 | 737394 | 59.67 | ug/L | 87 |
| 67) tetrachloroethene | 10.152 | 166 | 600287 | 56.46 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.258 | 76 | 913006 | 61.05 | ug/L | 99 |
| 69) dibromochloromethane | 10.478 | 129 | 549504 | 57.67 | ug/L | 100 |
| 70) 1,2-dibromoethane | 10.587 | 107 | 561095 | 67.23 | ug/L | 99 |
| 71) 2-hexanone | 10.333 | 43 | 495180 | 59.19 | ug/L | 97 |
| 72) chlorobenzene | 11.087 | 112 | 1431071 | 54.79 | ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 11.189 | 131 | 508321 | 60.42 | ug/L | 96 |
| 74) ethylbenzene | 11.195 | 91 | 2590400 | 55.97 | ug/L | 100 |
| 75) m,p-xylene | 11.326 | 106 | 1931252 | 110.65 | ug/L | 98 |
| 76) o-xylene | 11.696 | 106 | 946478 | 56.37 | ug/L | 96 |
| 77) styrene | 11.717 | 104 | 1558603 | 55.95 | ug/L | 96 |
| 78) bromoform | 11.891 | 173 | 362288 | 57.21 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.114 | 53 | 244979 | 71.25 | ug/L | 87 |
| 81) isopropylbenzene | 12.052 | 105 | 2537634 | 63.74 | ug/L | 99 |
| 83) bromobenzene | 12.342 | 156 | 639032 | 54.60 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.351 | 83 | 778565 | 66.87 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.397 | 75 | 844837 | 61.23 | ug/L | 95 |
| 86) n-propylbenzene | 12.445 | 91 | 2992848 | 54.41 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.523 | 91 | 1800599 | 51.36 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.637 | 91 | 2092118 | 52.34 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 12.617 | 105 | 2072392 | 52.16 | ug/L | 99 |
| 90) tert-butylbenzene | 12.907 | 91 | 1224586 | 52.73 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 12.963 | 105 | 2086363 | 52.27 | ug/L | 100 |
| 92) sec-butylbenzene | 13.114 | 105 | 2699153 | 53.81 | ug/L | 97 |
| 93) 1,3-dichlorobenzene | 13.220 | 146 | 1115920 | 52.53 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3116.D
 Acq On : 6 Nov 2011 10:02 pm
 Operator : AMYM
 Sample : mc5183-5msd
 Misc : MS24312,MSV137,4.285,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 07 15:06:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

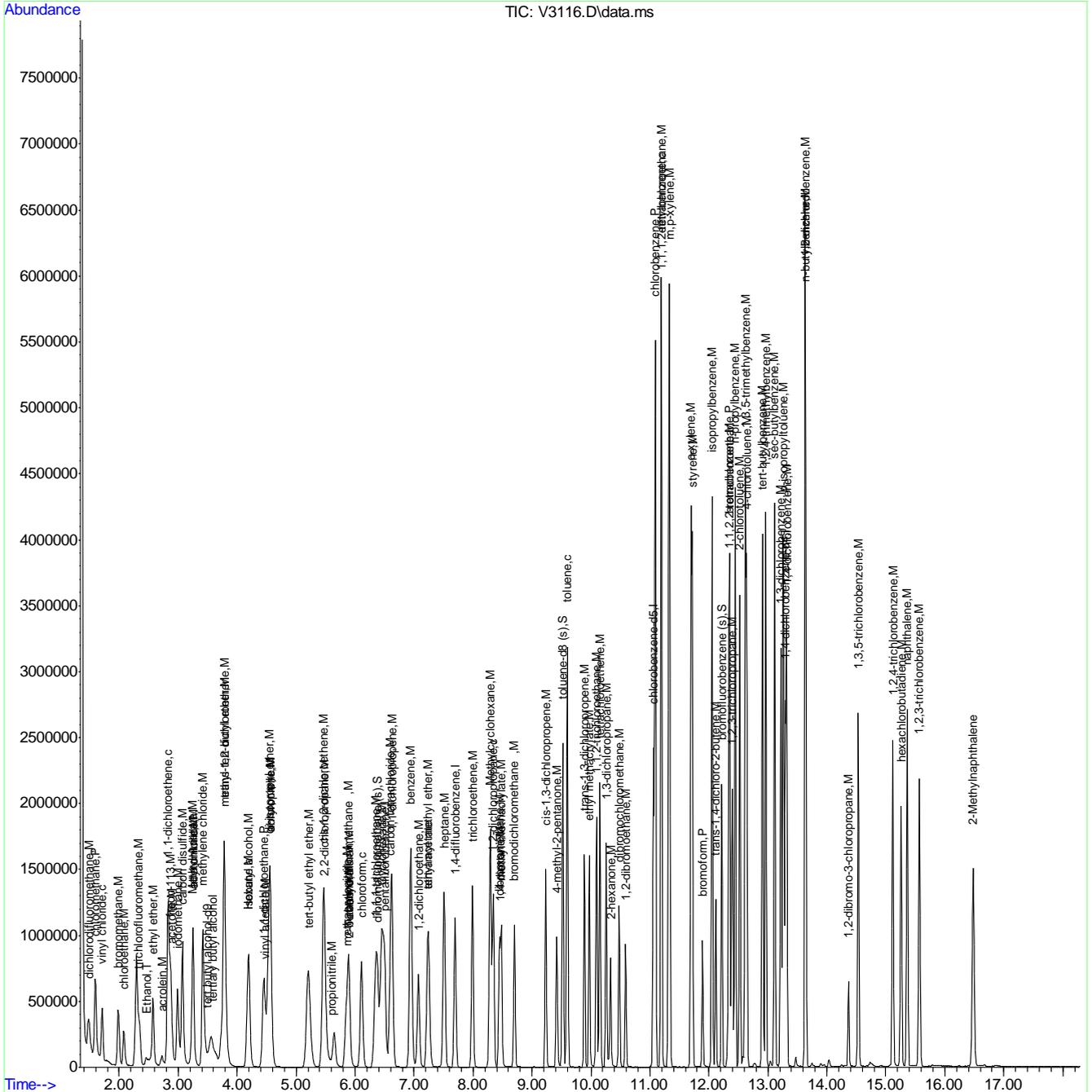
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 13.259 | 119 | 2110792 | 55.23 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.317 | 146 | 1126186 | 51.30 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.639 | 146 | 1071089 | 53.63 | ug/L | 98 |
| 97) n-butylbenzene | 13.632 | 91 | 2095986 | 52.67 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.366 | 75 | 143509 | 66.34 | ug/L | 86 |
| 99) 1,3,5-trichlorobenzene | 14.533 | 180 | 801266 | 47.01 | ug/L | 95 |
| 100) 1,2,4-trichlorobenzene | 15.117 | 180 | 768165 | 51.16 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.258 | 225 | 440382 | 47.37 | ug/L | 100 |
| 102) naphthalene | 15.363 | 128 | 2092123 | 64.04 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.568 | 180 | 746076 | 50.85 | ug/L | 91 |
| 104) 2-Methylnaphthalene | 16.481 | 142 | 1077586 | 52.19 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.669 | 142 | 8038 | Below | Cal | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V3116.D
Acq On : 6 Nov 2011 10:02 pm
Operator : AMYM
Sample : mc5183-5msd
Misc : MS24312,MSV137,4.285,,,5,1
ALS Vial : 19 Sample Multiplier: 1

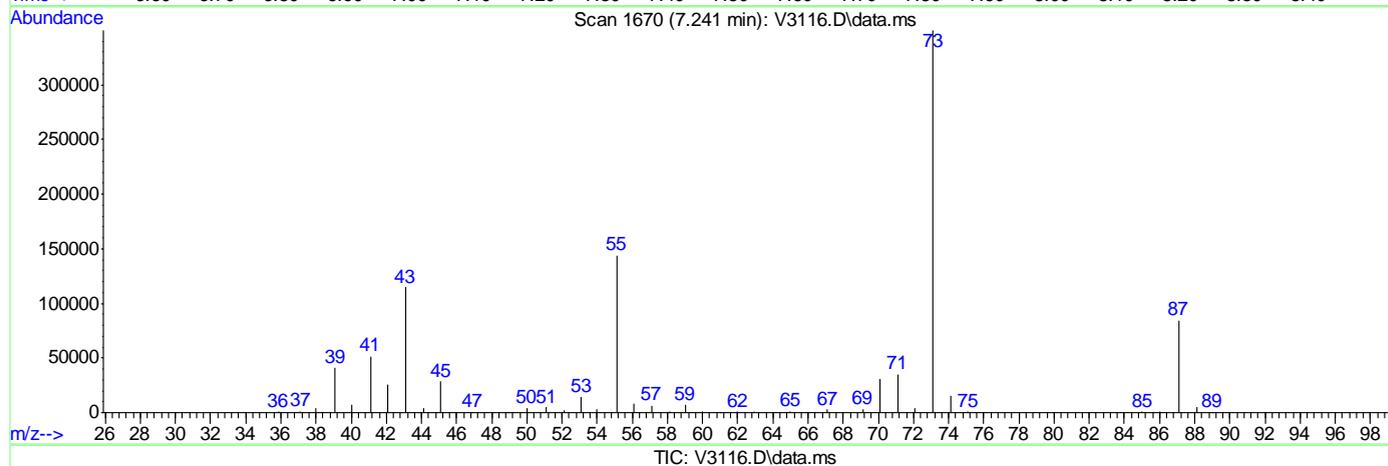
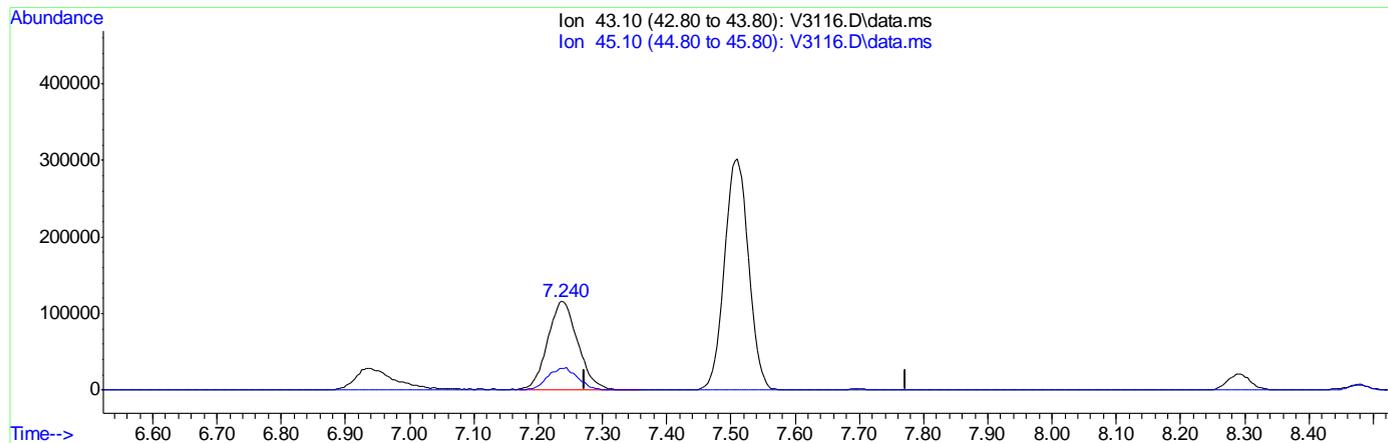
Quant Time: Nov 07 15:06:42 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:34:58 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3116.D
 Acq On : 6 Nov 2011 10:02 pm
 Operator : AMYM
 Sample : mc5183-5msd
 Misc : MS24312,MSV137,4.285,,,5,1
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 07 14:53:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate

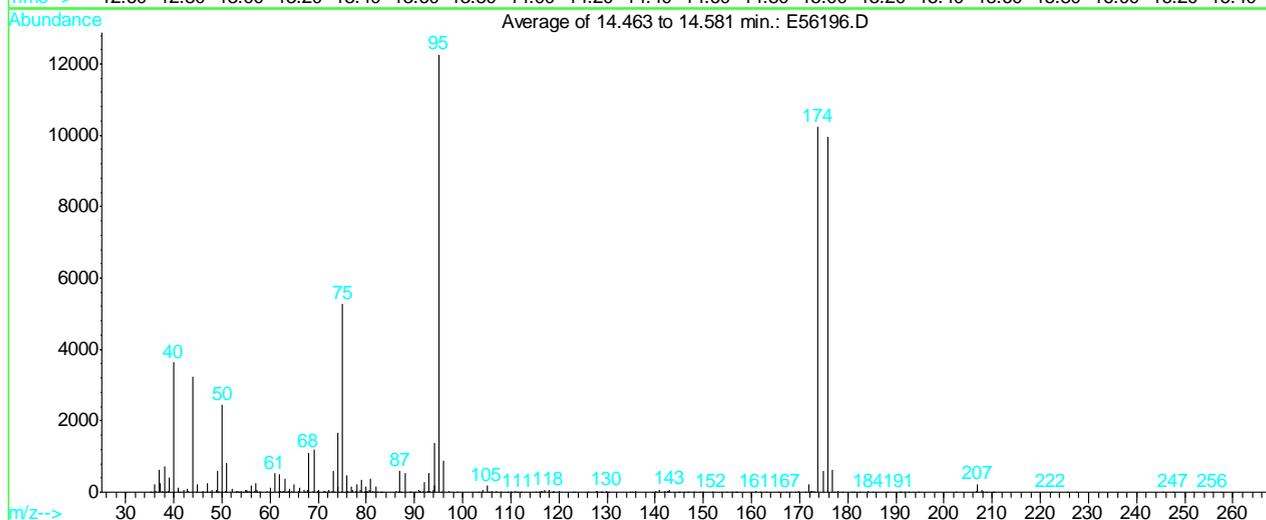
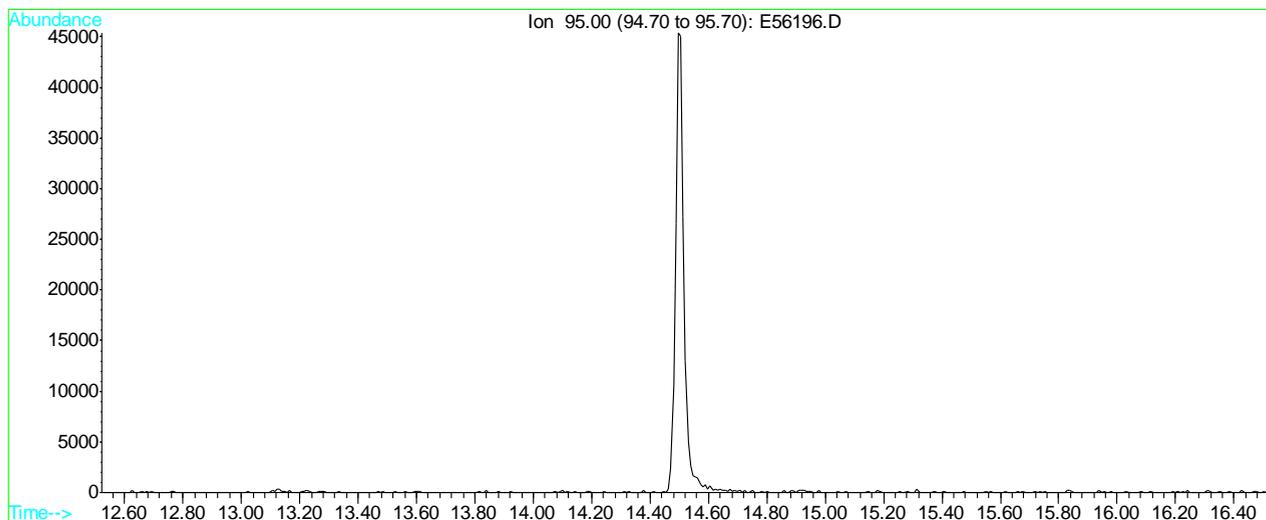
7.241min (-0.032) 52.56ug/L m

response 383287

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\E56196.D Vial: 4
 Acq On : 20 Oct 2011 11:50 am Operator: garyk
 Sample : mb Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Average of 14.463 to 14.581 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 19.9 | 2447 | PASS |
| 75 | 95 | 30 | 60 | 43.0 | 5269 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 12266 | PASS |
| 96 | 95 | 5 | 9 | 7.2 | 887 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 39 | PASS |
| 174 | 95 | 50 | 150 | 83.5 | 10236 | PASS |
| 175 | 174 | 5 | 9 | 6.0 | 612 | PASS |
| 176 | 174 | 95 | 101 | 97.4 | 9968 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 644 | PASS |

E56196.D E102011M.M Fri Oct 21 10:18:08 2011 LPT1

Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 35.05 | 15 | 39.95 | 3640 | 47.00 | 246 | 53.00 | 31 |
| 35.40 | 7 | 40.95 | 128 | 47.35 | 11 | 53.25 | 39 |
| 36.00 | 213 | 41.20 | 11 | 48.00 | 70 | 53.45 | 8 |
| 36.35 | 21 | 42.05 | 63 | 48.75 | 58 | 54.10 | 33 |
| 37.00 | 623 | 42.80 | 98 | 49.05 | 583 | 54.55 | 9 |
| 37.15 | 238 | 43.00 | 20 | 49.30 | 25 | 54.95 | 64 |
| 37.75 | 47 | 44.00 | 3244 | 50.05 | 2447 | 55.05 | 14 |
| 38.00 | 722 | 44.70 | 11 | 50.70 | 44 | 55.20 | 68 |
| 38.30 | 13 | 44.95 | 228 | 51.05 | 804 | 55.70 | 37 |
| 38.80 | 32 | 46.05 | 38 | 52.10 | 82 | 55.85 | 7 |
| 39.05 | 406 | 46.75 | 7 | 52.75 | 16 | 56.00 | 186 |

Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 56.80 | 36 | 62.25 | 18 | 67.00 | 66 | 71.90 | 15 |
| 57.00 | 257 | 62.55 | 24 | 67.30 | 15 | 72.15 | 69 |
| 57.15 | 50 | 62.85 | 34 | 67.85 | 62 | 72.85 | 33 |
| 57.35 | 8 | 63.05 | 364 | 68.00 | 1107 | 73.05 | 584 |
| 57.80 | 14 | 63.25 | 9 | 68.85 | 32 | 73.35 | 8 |
| 58.05 | 15 | 63.90 | 34 | 69.05 | 1203 | 73.95 | 156 |
| 59.30 | 24 | 64.10 | 89 | 69.80 | 42 | 74.10 | 1678 |
| 60.00 | 114 | 64.60 | 30 | 70.05 | 71 | 74.65 | 13 |
| 61.00 | 530 | 65.00 | 207 | 71.05 | 8 | 75.05 | 5269 |
| 61.65 | 8 | 65.80 | 20 | 71.30 | 17 | 75.75 | 10 |
| 62.00 | 512 | 66.05 | 118 | 71.60 | 14 | 76.00 | 482 |

Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 76.25 | 39 | 80.25 | 25 | 86.85 | 21 | 92.00 | 282 |
| 76.90 | 164 | 80.65 | 57 | 87.00 | 584 | 92.70 | 24 |
| 77.20 | 58 | 80.90 | 380 | 87.25 | 11 | 93.00 | 526 |
| 77.80 | 46 | 81.30 | 26 | 88.00 | 527 | 93.20 | 39 |
| 78.05 | 207 | 81.65 | 12 | 89.05 | 7 | 93.80 | 54 |
| 78.70 | 72 | 81.95 | 154 | 89.35 | 10 | 94.05 | 1386 |
| 78.95 | 342 | 82.25 | 7 | 90.15 | 7 | 94.15 | 194 |
| 79.65 | 16 | 82.85 | 16 | 90.90 | 49 | 95.05 | 12266 |
| 79.75 | 12 | 83.25 | 9 | 91.05 | 10 | 95.65 | 11 |
| 79.90 | 168 | 86.10 | 37 | 91.20 | 46 | 96.05 | 887 |
| 80.05 | 12 | 86.75 | 11 | 91.85 | 19 | 97.15 | 21 |

Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 98.85 | 7 | 111.00 | 22 | 119.00 | 35 | 129.90 | 43 |
| 103.25 | 8 | 111.45 | 7 | 119.95 | 34 | 130.25 | 16 |
| 104.10 | 64 | 112.05 | 9 | 122.95 | 7 | 134.85 | 7 |
| 105.05 | 185 | 115.05 | 8 | 123.35 | 8 | 135.15 | 11 |
| 105.35 | 9 | 115.95 | 16 | 125.85 | 9 | 136.00 | 18 |
| 106.05 | 33 | 116.25 | 21 | 126.15 | 8 | 140.15 | 25 |
| 107.05 | 24 | 116.50 | 23 | 127.70 | 32 | 140.85 | 64 |
| 107.95 | 8 | 117.05 | 53 | 127.90 | 21 | 142.00 | 37 |
| 109.35 | 8 | 117.90 | 57 | 128.65 | 8 | 142.35 | 9 |
| 109.95 | 9 | 118.75 | 12 | 128.95 | 11 | 142.55 | 8 |
| 110.10 | 16 | 118.85 | 15 | 129.75 | 9 | 142.80 | 27 |

Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 143.00 | 76 | 153.75 | 9 | 169.05 | 14 | 176.85 | 644 |
| 144.75 | 14 | 154.95 | 7 | 169.80 | 35 | 177.15 | 8 |
| 145.05 | 9 | 155.95 | 7 | 171.15 | 8 | 177.85 | 32 |
| 145.95 | 8 | 156.75 | 7 | 171.85 | 206 | 178.95 | 8 |

| | | | | | | | |
|--------|----|--------|----|--------|-------|--------|----|
| 146.65 | 8 | 157.05 | 11 | 172.05 | 14 | 180.85 | 8 |
| 146.95 | 12 | 160.85 | 23 | 172.35 | 22 | 181.15 | 9 |
| 147.85 | 10 | 161.75 | 7 | 172.65 | 35 | 182.45 | 11 |
| 148.10 | 15 | 162.90 | 16 | 173.05 | 39 | 184.30 | 17 |
| 149.15 | 7 | 165.65 | 8 | 173.85 | 10236 | 185.15 | 7 |
| 149.95 | 9 | 167.15 | 8 | 174.90 | 612 | 188.15 | 7 |
| 151.75 | 10 | 167.95 | 9 | 175.85 | 9968 | 190.75 | 16 |

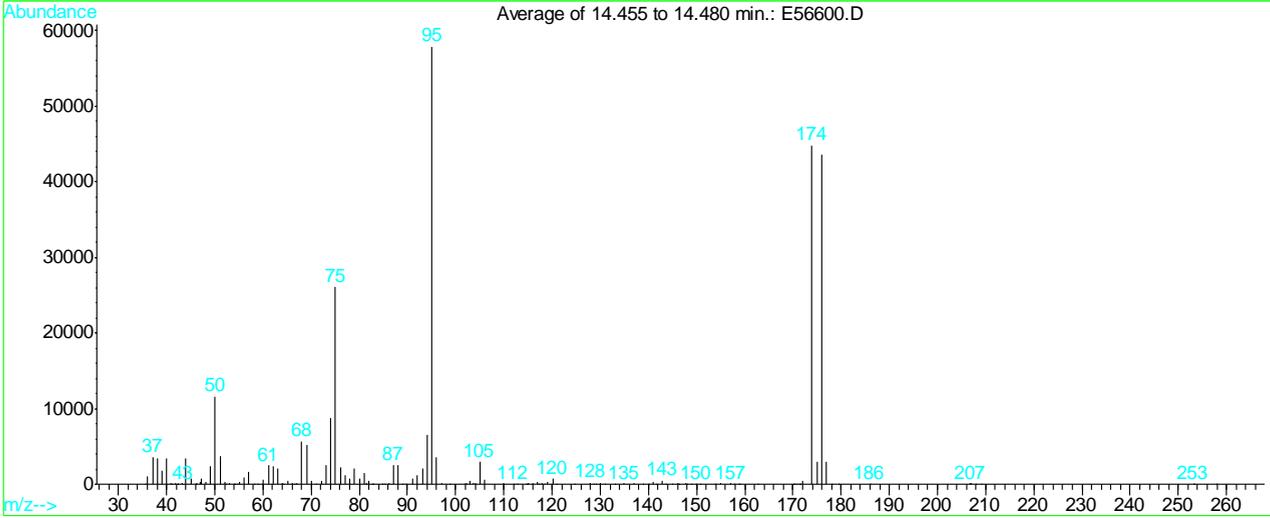
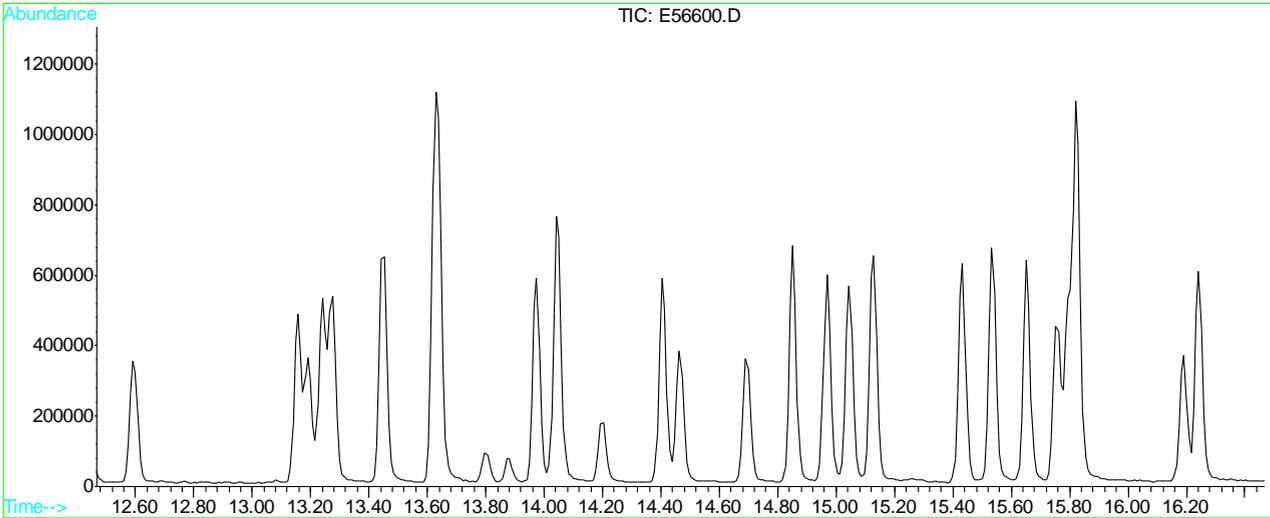
Average of 14.463 to 14.581 min.: E56196.D
mb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 190.95 | 9 | 210.30 | 8 | | | | |
| 191.65 | 7 | 222.30 | 9 | | | | |
| 192.75 | 7 | 225.60 | 8 | | | | |
| 194.65 | 7 | 227.50 | 9 | | | | |
| 202.35 | 7 | 245.50 | 7 | | | | |
| 206.75 | 45 | 247.60 | 9 | | | | |
| 207.00 | 223 | 251.80 | 8 | | | | |
| 207.85 | 61 | 255.70 | 7 | | | | |
| 208.05 | 18 | 257.60 | 7 | | | | |
| 208.85 | 8 | | | | | | |
| 210.10 | 7 | | | | | | |

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\E56600.D Vial: 2
 Acq On : 4 Nov 2011 10:22 am Operator: garyk
 Sample : bfb Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260

6.5.2
6



Spectrum Information: Average of 14.455 to 14.480 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 20.1 | 11624 | PASS |
| 75 | 95 | 30 | 60 | 45.0 | 26029 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 57858 | PASS |
| 96 | 95 | 5 | 9 | 6.2 | 3584 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 150 | 77.5 | 44822 | PASS |
| 175 | 174 | 5 | 9 | 6.7 | 3014 | PASS |
| 176 | 174 | 95 | 101 | 97.1 | 43524 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 2916 | PASS |

Average of 14.455 to 14.480 min.: E56600.D
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 35.50 | 47 | 43.30 | 116 | 52.05 | 287 | 60.00 | 603 |
| 36.00 | 1035 | 44.00 | 3365 | 52.35 | 58 | 61.10 | 2469 |
| 37.05 | 3621 | 45.05 | 719 | 53.10 | 219 | 62.05 | 2302 |
| 38.05 | 3381 | 46.00 | 65 | 53.95 | 31 | 63.05 | 2023 |
| 39.00 | 1799 | 46.30 | 130 | 54.25 | 29 | 63.90 | 118 |
| 39.95 | 3472 | 46.95 | 231 | 54.55 | 53 | 64.15 | 55 |
| 41.00 | 212 | 47.15 | 672 | 55.10 | 310 | 65.10 | 477 |
| 41.20 | 36 | 48.10 | 302 | 56.10 | 852 | 66.20 | 106 |
| 41.85 | 139 | 49.10 | 2356 | 57.10 | 1636 | 66.45 | 55 |
| 42.20 | 35 | 50.05 | 11624 | 58.10 | 75 | 67.00 | 120 |
| 42.40 | 51 | 51.05 | 3758 | 58.75 | 25 | 68.05 | 5693 |

Average of 14.455 to 14.480 min.: E56600.D
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|--------|--------|--------|--------|
| 69.05 | 5178 | 80.00 | 807 | 89.05 | 53 | 102.15 | 134 |
| 70.05 | 455 | 80.95 | 1501 | 89.75 | 40 | 103.00 | 465 |
| 70.95 | 29 | 81.55 | 103 | 91.10 | 708 | 103.75 | 97 |
| 72.10 | 378 | 81.95 | 495 | 92.05 | 1194 | 104.05 | 190 |
| 73.00 | 2475 | 82.75 | 47 | 93.05 | 2091 | 105.05 | 2937 |
| 74.10 | 8711 | 82.95 | 30 | 94.10 | 6564 | 106.00 | 567 |
| 75.05 | 26029 | 84.75 | 29 | 95.05 | 57858 | 110.05 | 106 |
| 76.05 | 2273 | 85.15 | 33 | 96.05 | 3584 | 111.95 | 61 |
| 77.00 | 1159 | 86.25 | 82 | 97.00 | 148 | 112.65 | 29 |
| 78.00 | 695 | 87.00 | 2595 | 98.75 | 26 | 114.65 | 40 |
| 79.00 | 2050 | 88.00 | 2502 | 101.85 | 28 | 114.90 | 59 |

Average of 14.455 to 14.480 min.: E56600.D
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 115.10 | 116 | 128.65 | 60 | 142.90 | 511 | 154.90 | 126 |
| 115.95 | 194 | 129.15 | 25 | 143.45 | 27 | 157.10 | 134 |
| 116.95 | 343 | 129.95 | 148 | 144.95 | 42 | 157.85 | 27 |
| 117.15 | 63 | 130.90 | 76 | 146.00 | 92 | 158.65 | 34 |
| 117.90 | 221 | 132.95 | 65 | 146.45 | 39 | 158.95 | 36 |
| 118.45 | 26 | 135.00 | 100 | 147.75 | 165 | 162.65 | 35 |
| 119.10 | 237 | 136.90 | 101 | 147.95 | 32 | 170.15 | 36 |
| 120.10 | 683 | 138.95 | 28 | 148.95 | 31 | 170.35 | 27 |
| 120.95 | 53 | 140.15 | 58 | 149.95 | 31 | 170.95 | 33 |
| 124.55 | 30 | 140.95 | 373 | 150.85 | 26 | 171.25 | 36 |
| 127.95 | 225 | 141.75 | 26 | 153.85 | 55 | 171.55 | 65 |

Average of 14.455 to 14.480 min.: E56600.D
bfb

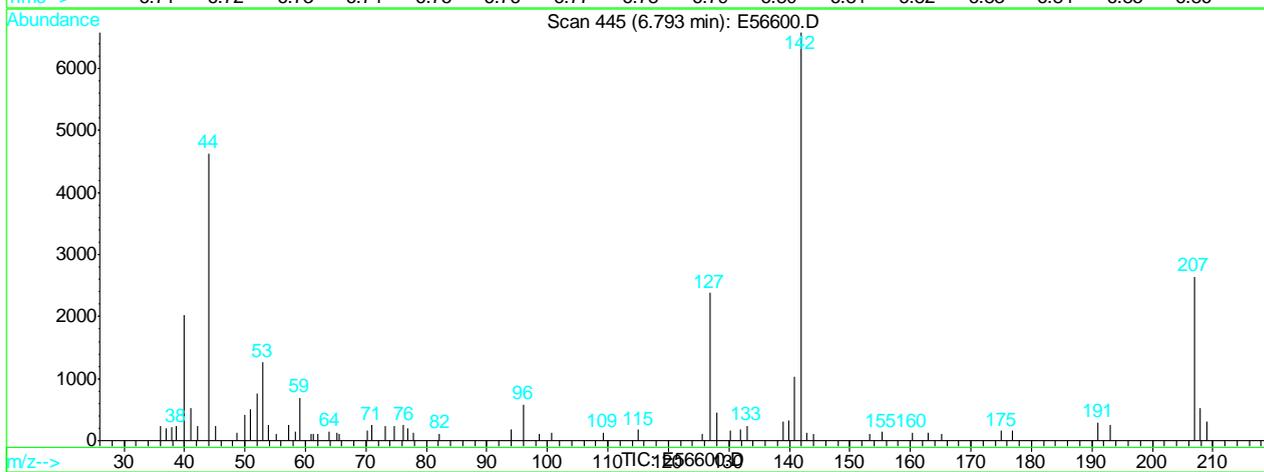
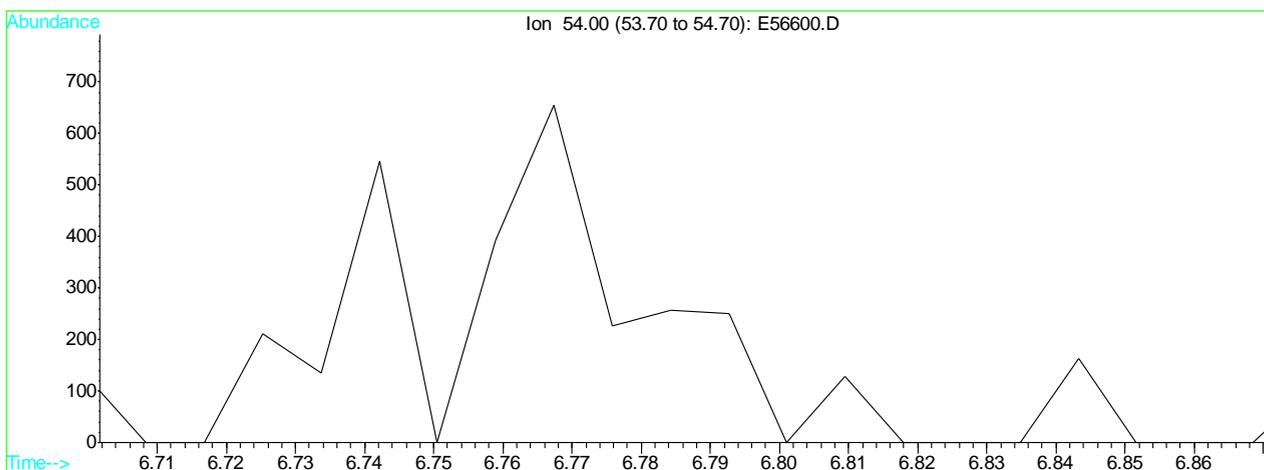
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 171.95 | 378 | 209.05 | 42 | | | | |
| 173.95 | 44822 | 253.10 | 34 | | | | |
| 174.95 | 3014 | 253.30 | 29 | | | | |
| 175.95 | 43524 | 257.90 | 27 | | | | |
| 176.95 | 2916 | | | | | | |
| 178.00 | 76 | | | | | | |
| 179.55 | 30 | | | | | | |
| 185.95 | 50 | | | | | | |
| 206.85 | 103 | | | | | | |
| 207.05 | 97 | | | | | | |
| 208.05 | 35 | | | | | | |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : bfb
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:06 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(25) propionitrile (M)

6.79min 0.00ppb

response 0

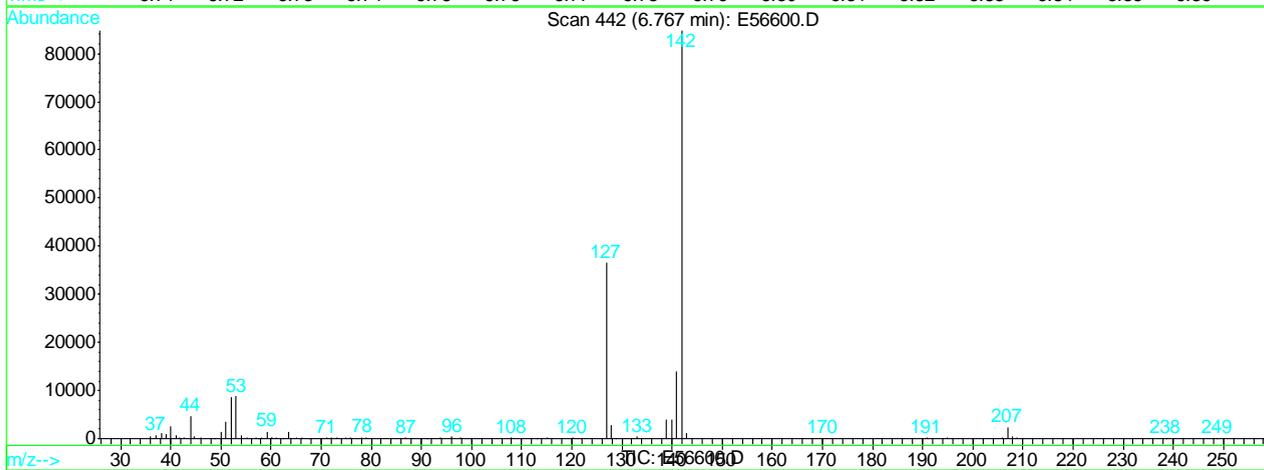
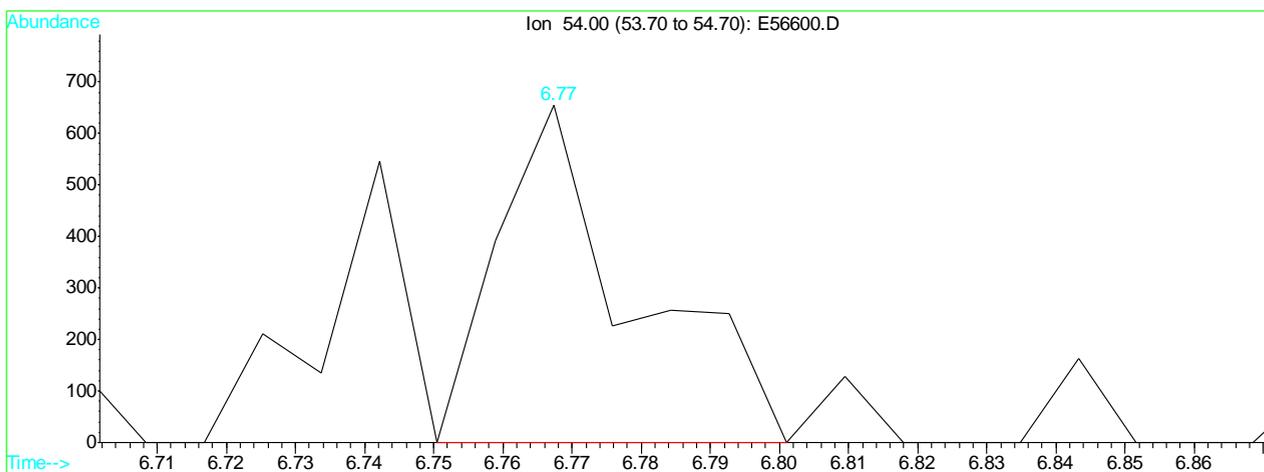
| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : bfb
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration



(25) propionitrile (M)

6.77min 52.61ppb m

response 901

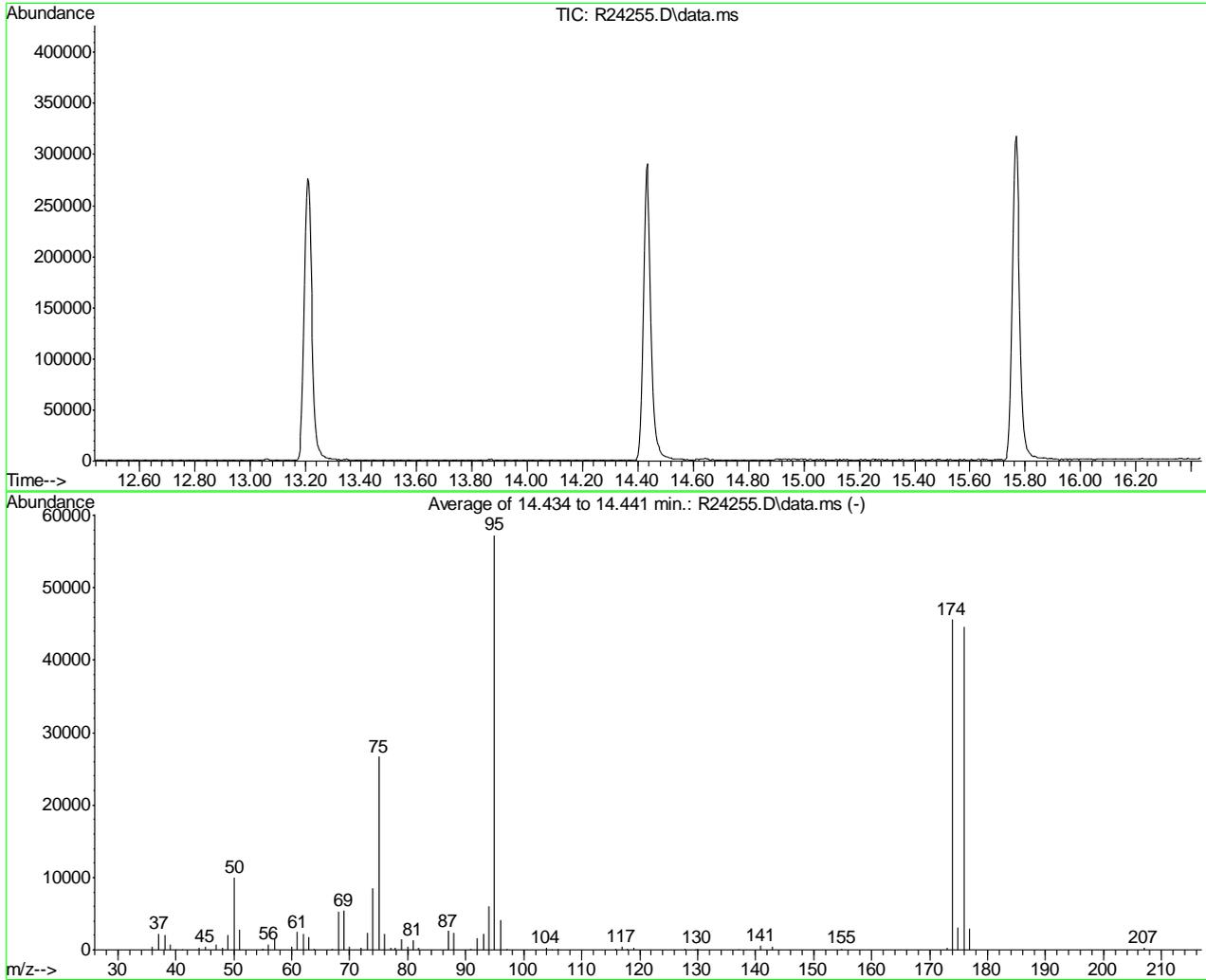
| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\R24255.D
 Acq On : 4 Nov 2011 2:42 pm
 Sample : blank
 Misc : MS24135,MSR896,5,,,,,1
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: danat
 Inst : MSR
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260



AutoFind: Scans 3153, 3154, 3155; Background Corrected with Scan 3138

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.3 | 9926 | PASS |
| 75 | 95 | 30 | 60 | 46.6 | 26704 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 57296 | PASS |
| 96 | 95 | 5 | 9 | 7.2 | 4108 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 308 | PASS |
| 174 | 95 | 50 | 150 | 79.6 | 45610 | PASS |
| 175 | 174 | 5 | 9 | 6.8 | 3107 | PASS |
| 176 | 174 | 95 | 101 | 97.8 | 44597 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 2942 | PASS |

R24255.D R110411w.m Mon Nov 07 15:00:27 2011

Average of 14.434 to 14.441 min.: R24255.D\data.ms

blank

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 424 | 50.10 | 9926 | 67.05 | 221 | 78.90 | 1403 |
| 37.05 | 2257 | 51.05 | 2848 | 68.00 | 5221 | 79.95 | 418 |
| 38.10 | 2035 | 54.90 | 64 | 69.00 | 5384 | 80.90 | 1352 |
| 39.05 | 788 | 55.05 | 155 | 70.00 | 500 | 81.95 | 335 |
| 39.95 | 54 | 56.00 | 759 | 72.00 | 239 | 87.00 | 2639 |
| 41.00 | 54 | 57.00 | 1461 | 73.00 | 2347 | 88.00 | 2373 |
| 44.00 | 331 | 60.00 | 454 | 74.00 | 8517 | 90.90 | 217 |
| 45.05 | 415 | 61.00 | 2480 | 75.00 | 26704 | 92.00 | 1558 |
| 47.00 | 794 | 62.00 | 2199 | 76.05 | 2276 | 93.00 | 2263 |
| 48.00 | 344 | 63.00 | 1770 | 77.00 | 364 | 94.00 | 6024 |
| 49.05 | 2113 | 63.90 | 107 | 77.90 | 272 | 95.00 | 57296 |

Average of 14.434 to 14.441 min.: R24255.D\data.ms

blank

Modified:subtracted

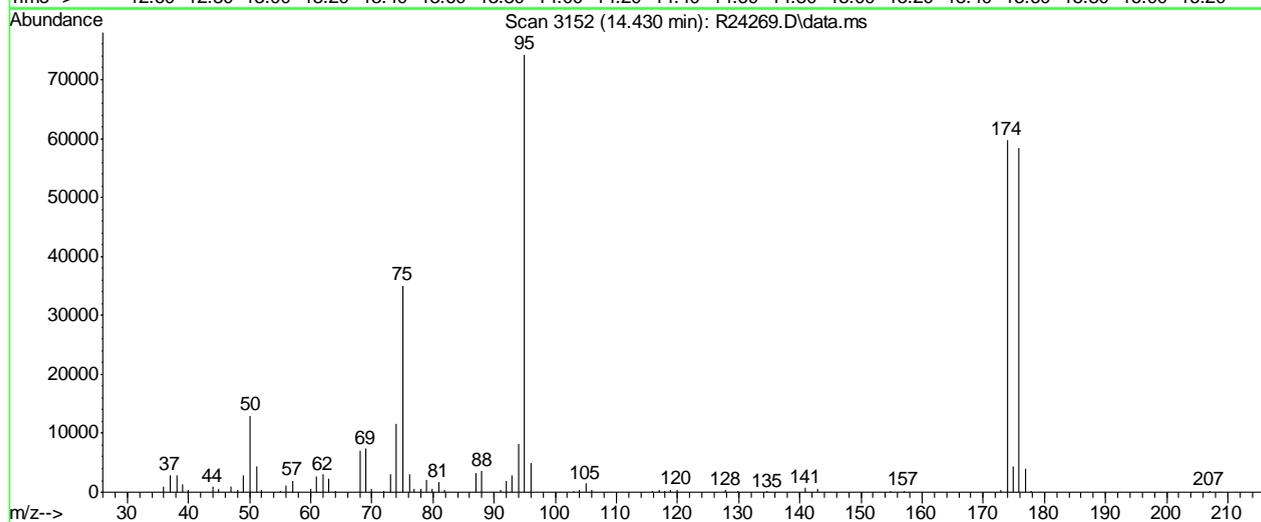
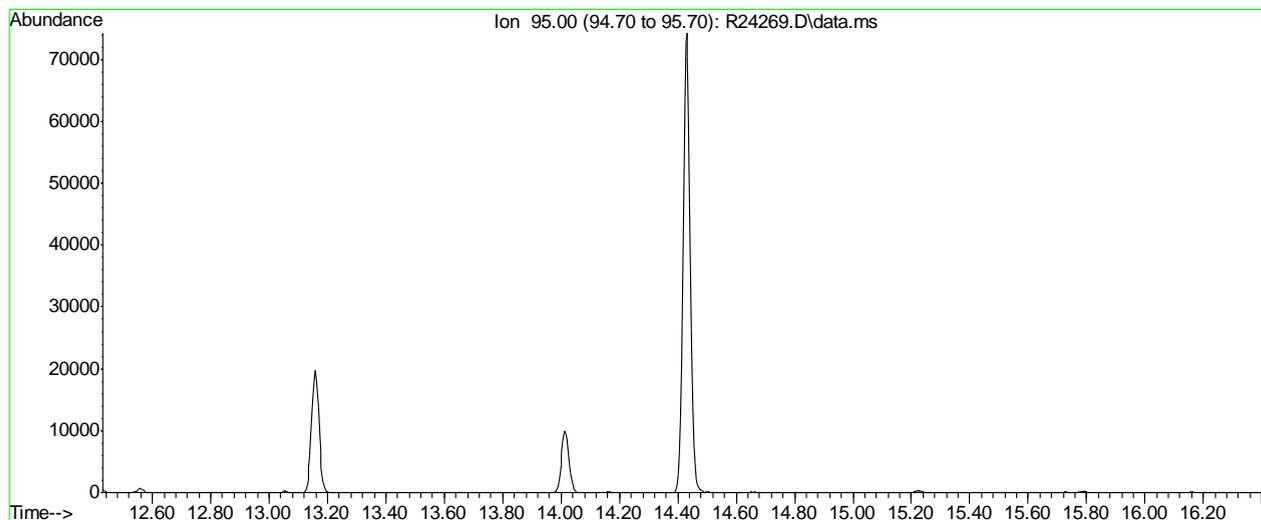
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 96.00 | 4108 | 129.95 | 178 | | | | |
| 97.05 | 130 | 137.00 | 61 | | | | |
| 103.85 | 253 | 140.90 | 586 | | | | |
| 104.90 | 53 | 142.90 | 494 | | | | |
| 105.90 | 223 | 154.85 | 168 | | | | |
| 115.85 | 185 | 172.95 | 308 | | | | |
| 116.90 | 401 | 173.90 | 45610 | | | | |
| 117.85 | 146 | 174.90 | 3107 | | | | |
| 118.90 | 274 | 175.90 | 44597 | | | | |
| 127.85 | 175 | 176.90 | 2942 | | | | |
| 129.70 | 59 | 206.95 | 248 | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\R24269.D
 Acq On : 5 Nov 2011 2:29 pm
 Sample : cc899-50
 Misc : MS24135,MSR900,5,,,,,1
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: danat
 Inst : MSR
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3152

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.5 | 13005 | PASS |
| 75 | 95 | 30 | 60 | 47.2 | 35048 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 74272 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 4992 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 429 | PASS |
| 174 | 95 | 50 | 150 | 80.5 | 59784 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 4390 | PASS |
| 176 | 174 | 95 | 101 | 97.8 | 58456 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 4046 | PASS |

R24269.D R110411w.m Mon Nov 07 17:25:46 2011

Scan 3152 (14.430 min): R24269.D\data.ms
cc899-50

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|--------|--------|
| 36.00 | 868 | 51.10 | 4310 | 69.00 | 7343 | 80.90 | 1790 |
| 37.00 | 2943 | 52.00 | 399 | 70.00 | 619 | 81.90 | 415 |
| 38.10 | 2932 | 55.00 | 192 | 71.90 | 264 | 87.00 | 3285 |
| 39.10 | 1298 | 56.00 | 1210 | 73.00 | 3000 | 88.00 | 3571 |
| 40.00 | 397 | 57.00 | 1906 | 74.00 | 11582 | 91.00 | 391 |
| 44.00 | 877 | 60.00 | 561 | 75.00 | 35048 | 92.00 | 1980 |
| 45.00 | 601 | 61.00 | 2664 | 76.10 | 3003 | 93.00 | 2789 |
| 47.00 | 983 | 62.00 | 2984 | 77.00 | 634 | 94.00 | 8109 |
| 48.00 | 400 | 63.00 | 2274 | 78.00 | 527 | 95.00 | 74272 |
| 49.00 | 2848 | 64.00 | 243 | 78.90 | 2108 | 96.00 | 4992 |
| 50.10 | 13005 | 68.00 | 6964 | 79.90 | 572 | 103.00 | 188 |

Scan 3152 (14.430 min): R24269.D\data.ms
cc899-50

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 103.90 | 419 | 140.90 | 735 | | | | |
| 105.00 | 1493 | 142.90 | 580 | | | | |
| 106.00 | 362 | 154.80 | 198 | | | | |
| 115.90 | 268 | 157.00 | 200 | | | | |
| 116.90 | 445 | 172.90 | 429 | | | | |
| 117.90 | 193 | 173.90 | 59784 | | | | |
| 118.90 | 418 | 174.90 | 4390 | | | | |
| 119.90 | 456 | 175.90 | 58456 | | | | |
| 127.90 | 339 | 176.90 | 4046 | | | | |
| 129.80 | 165 | 177.90 | 182 | | | | |
| 134.70 | 158 | 207.00 | 246 | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\R24295.D

Vial: 28

Acq On : 6 Nov 2011 1:52 am

Operator: danat

Sample : cc899-50

Inst : MSR

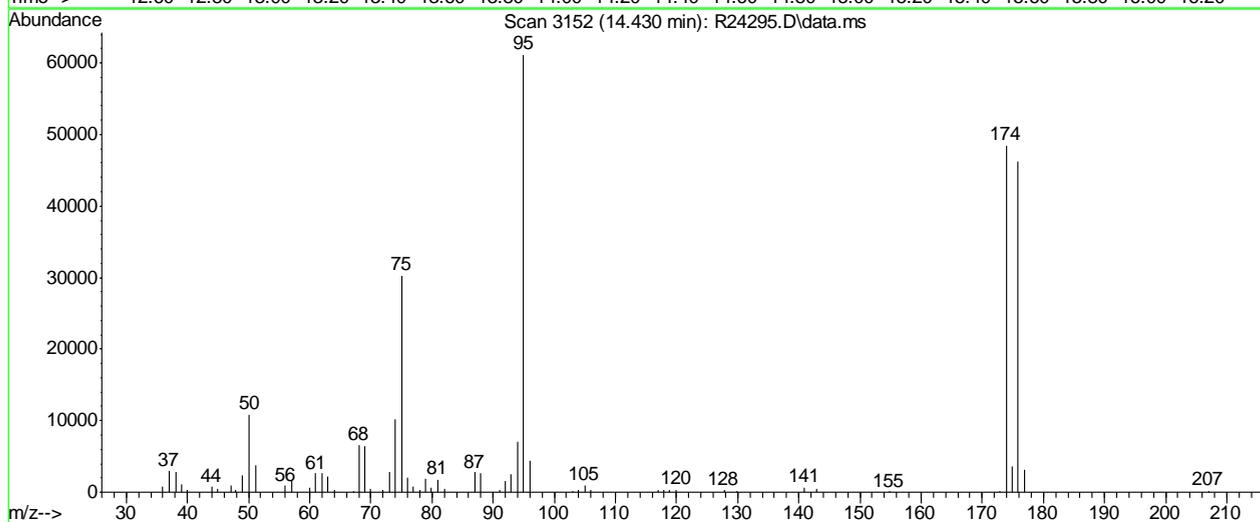
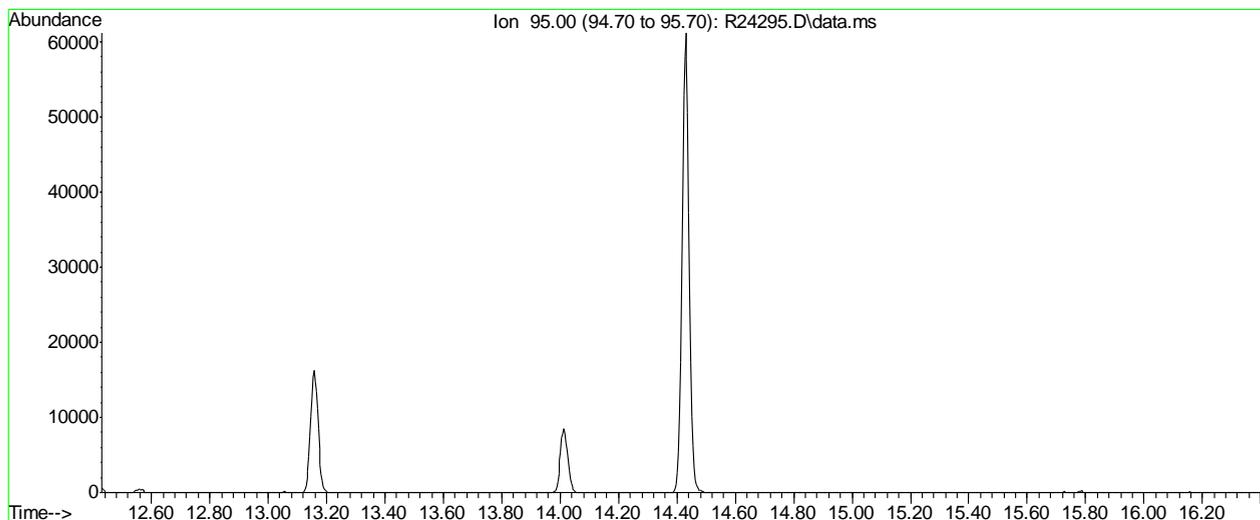
Misc : MS24310,MSR901,5,,,,,1

Multiplr: 1.00

MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)

Title : SW-846 Method 8260



Spectrum Information: Scan 3152

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.7 | 10857 | PASS |
| 75 | 95 | 30 | 60 | 49.5 | 30256 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 61184 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 4346 | PASS |
| 173 | 174 | 0.00 | 2 | 0.5 | 236 | PASS |
| 174 | 95 | 50 | 150 | 79.1 | 48424 | PASS |
| 175 | 174 | 5 | 9 | 7.6 | 3671 | PASS |
| 176 | 174 | 95 | 101 | 95.4 | 46216 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3063 | PASS |

R24295.D R110411w.m

Tue Nov 08 14:19:08 2011

Scan 3152 (14.430 min): R24295.D\data.ms
cc899-50

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|--------|--------|
| 36.00 | 790 | 51.10 | 3827 | 70.00 | 437 | 82.00 | 441 |
| 37.00 | 2964 | 56.00 | 896 | 71.90 | 390 | 87.00 | 2764 |
| 38.10 | 2777 | 57.00 | 1571 | 73.00 | 2821 | 88.00 | 2714 |
| 39.00 | 1109 | 60.00 | 574 | 74.00 | 10150 | 91.00 | 283 |
| 40.00 | 321 | 61.00 | 2651 | 75.00 | 30256 | 92.00 | 1571 |
| 44.00 | 711 | 62.00 | 2619 | 76.00 | 2102 | 93.00 | 2562 |
| 45.00 | 547 | 63.00 | 2222 | 77.00 | 722 | 94.00 | 7001 |
| 47.10 | 884 | 64.00 | 248 | 78.00 | 305 | 95.00 | 61184 |
| 47.90 | 366 | 67.10 | 173 | 78.90 | 1893 | 96.00 | 4346 |
| 49.00 | 2297 | 68.00 | 6642 | 79.90 | 634 | 103.00 | 214 |
| 50.10 | 10857 | 69.00 | 6486 | 80.90 | 1734 | 103.90 | 298 |

Scan 3152 (14.430 min): R24295.D\data.ms
cc899-50

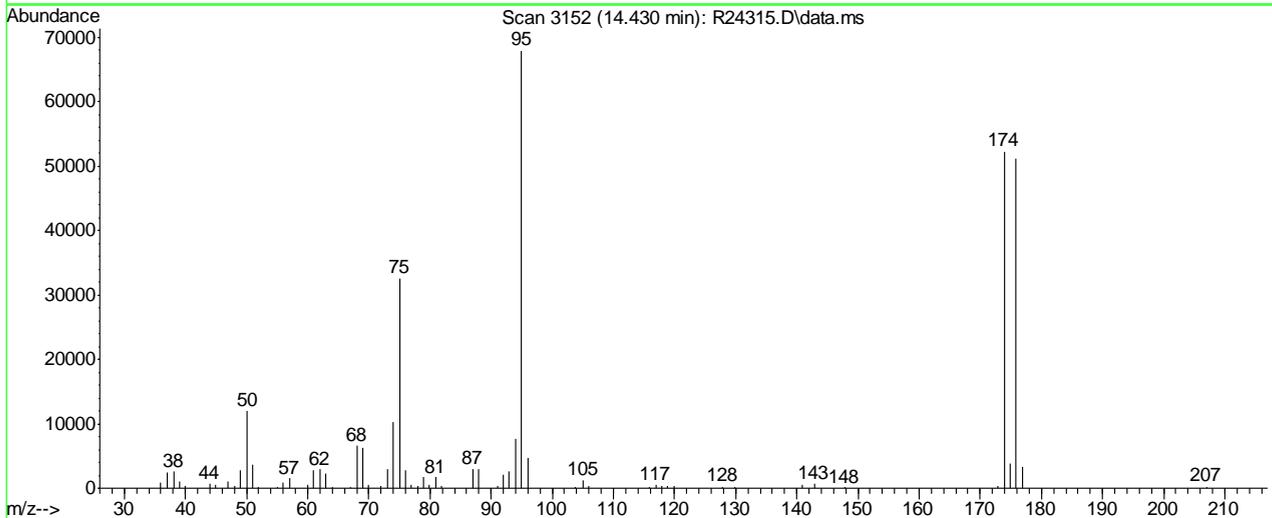
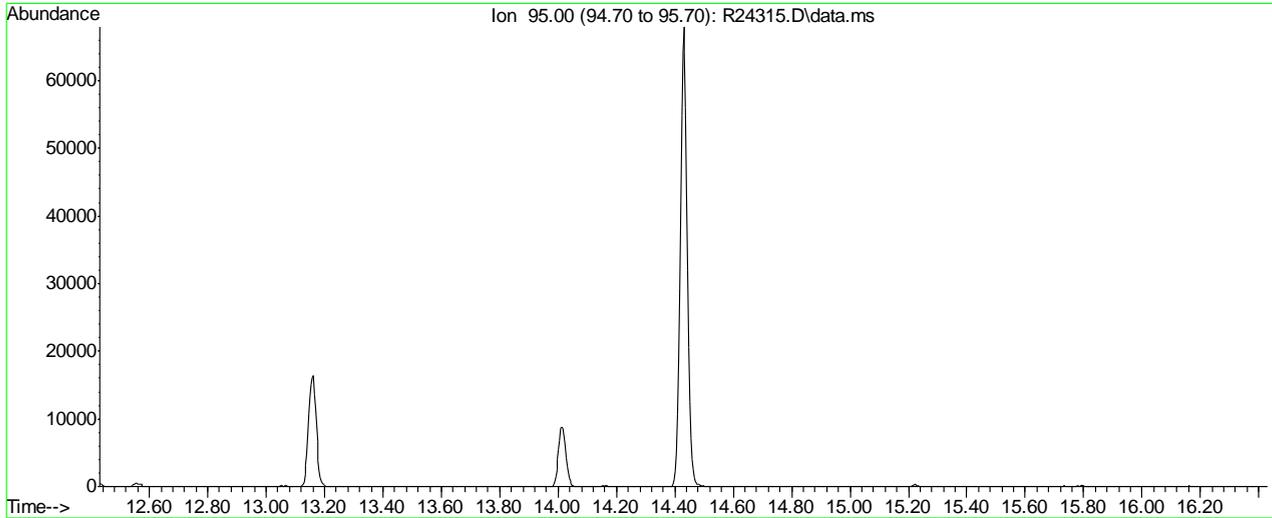
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 105.00 | 1020 | 172.90 | 236 | | | | |
| 105.90 | 368 | 173.90 | 48424 | | | | |
| 117.00 | 326 | 174.90 | 3671 | | | | |
| 117.90 | 264 | 175.90 | 46216 | | | | |
| 118.80 | 246 | 176.90 | 3063 | | | | |
| 120.00 | 369 | 207.00 | 235 | | | | |
| 127.80 | 261 | | | | | | |
| 129.80 | 231 | | | | | | |
| 140.90 | 650 | | | | | | |
| 142.90 | 438 | | | | | | |
| 154.80 | 150 | | | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\R24315.D
 Acq On : 7 Nov 2011 12:32 pm
 Sample : cc899-50
 Misc : MS24310,MSR902,5,,,,,1
 MS Integration Params: RTEINT.P

Vial: 3
 Operator: danat
 Inst : MSR
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\R110411w.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3152

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.6 | 11974 | PASS |
| 75 | 95 | 30 | 60 | 47.9 | 32560 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 67928 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 4677 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 359 | PASS |
| 174 | 95 | 50 | 150 | 76.8 | 52192 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 3905 | PASS |
| 176 | 174 | 95 | 101 | 98.0 | 51128 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3371 | PASS |

R24315.D R110411w.m Mon Nov 07 15:46:54 2011

Scan 3152 (14.430 min): R24315.D\data.ms
cc899-50

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 878 | 51.00 | 3681 | 68.00 | 6577 | 79.90 | 471 |
| 37.00 | 2489 | 51.90 | 229 | 69.00 | 6354 | 80.90 | 1692 |
| 38.10 | 2566 | 55.00 | 185 | 70.00 | 526 | 81.90 | 443 |
| 39.10 | 1041 | 56.00 | 957 | 72.00 | 395 | 87.00 | 3014 |
| 40.00 | 294 | 57.00 | 1524 | 73.00 | 2958 | 88.00 | 2899 |
| 44.00 | 659 | 60.00 | 472 | 74.00 | 10216 | 91.00 | 356 |
| 45.00 | 611 | 61.00 | 2770 | 75.00 | 32560 | 92.00 | 2008 |
| 47.00 | 967 | 62.00 | 2946 | 76.00 | 2774 | 93.00 | 2605 |
| 48.00 | 300 | 63.00 | 2206 | 77.00 | 538 | 94.00 | 7580 |
| 49.00 | 2864 | 64.00 | 239 | 78.00 | 319 | 95.00 | 67928 |
| 50.10 | 11974 | 67.00 | 215 | 78.90 | 1734 | 96.00 | 4677 |

Scan 3152 (14.430 min): R24315.D\data.ms
cc899-50

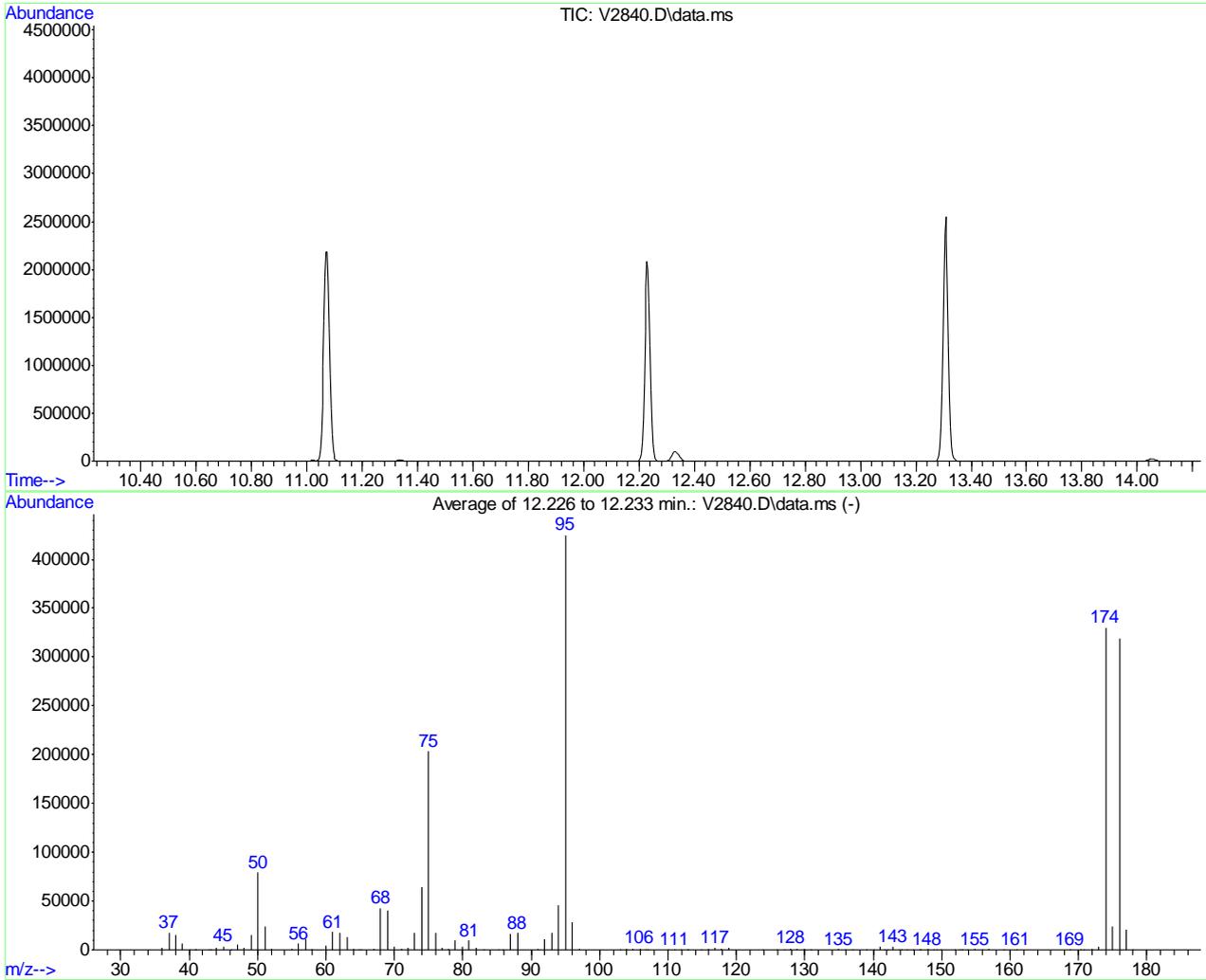
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 103.80 | 247 | 142.90 | 689 | | | | |
| 105.10 | 1286 | 147.80 | 154 | | | | |
| 105.90 | 438 | 172.90 | 359 | | | | |
| 115.90 | 157 | 173.90 | 52192 | | | | |
| 116.90 | 450 | 174.90 | 3905 | | | | |
| 117.90 | 303 | 175.90 | 51128 | | | | |
| 118.80 | 298 | 176.90 | 3371 | | | | |
| 120.00 | 406 | 207.00 | 190 | | | | |
| 127.90 | 239 | | | | | | |
| 129.80 | 178 | | | | | | |
| 140.90 | 500 | | | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V2840.D
 Acq On : 24 Oct 2011 11:56 am
 Sample : bfb
 Misc : MS24207,MSV126,5,,5,1
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Average of 12.226 to 12.233 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.6 | 79243 | PASS |
| 75 | 95 | 30 | 60 | 47.8 | 203328 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 425045 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 28328 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3527 | PASS |
| 174 | 95 | 50 | 100 | 77.7 | 330133 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 24440 | PASS |
| 176 | 174 | 95 | 101 | 96.7 | 319211 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 20605 | PASS |

Average of 12.226 to 12.233 min.: V2840.D\data.ms

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.05 | 2621 | 46.10 | 326 | 58.05 | 307 | 70.05 | 3154 |
| 37.05 | 17509 | 47.00 | 5399 | 60.00 | 4033 | 71.10 | 596 |
| 38.10 | 14993 | 48.00 | 2443 | 61.00 | 18283 | 72.00 | 2110 |
| 39.05 | 6045 | 49.05 | 15646 | 62.00 | 17541 | 73.00 | 17787 |
| 40.00 | 190 | 50.05 | 79243 | 63.05 | 12693 | 74.00 | 64373 |
| 40.90 | 79 | 51.05 | 24413 | 64.05 | 1216 | 75.00 | 203328 |
| 41.05 | 285 | 52.00 | 1002 | 64.80 | 69 | 76.05 | 17771 |
| 42.90 | 52 | 55.00 | 1070 | 65.10 | 462 | 77.00 | 2579 |
| 43.15 | 402 | 56.00 | 6478 | 67.00 | 970 | 77.95 | 1430 |
| 44.00 | 1900 | 57.05 | 11307 | 68.00 | 42627 | 78.90 | 9565 |
| 45.05 | 3322 | 57.90 | 101 | 69.00 | 40128 | 79.95 | 2807 |

Average of 12.226 to 12.233 min.: V2840.D\data.ms

bfb

Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 80.95 | 9386 | 95.00 | 425045 | 111.85 | 235 | 127.95 | 1168 |
| 81.90 | 2112 | 96.05 | 28328 | 112.80 | 66 | 128.90 | 611 |
| 83.05 | 309 | 97.05 | 869 | 113.00 | 86 | 129.95 | 1160 |
| 85.20 | 57 | 103.00 | 99 | 114.85 | 305 | 130.85 | 437 |
| 85.90 | 424 | 103.95 | 1388 | 115.95 | 1171 | 134.95 | 731 |
| 86.95 | 16446 | 104.85 | 609 | 116.90 | 2065 | 135.80 | 81 |
| 88.00 | 17083 | 105.90 | 1590 | 117.85 | 1212 | 136.95 | 432 |
| 90.95 | 1331 | 106.75 | 316 | 118.95 | 1789 | 138.95 | 116 |
| 92.00 | 10543 | 107.00 | 122 | 123.90 | 222 | 140.00 | 122 |
| 93.05 | 17263 | 110.00 | 70 | 125.95 | 225 | 140.95 | 2935 |
| 94.00 | 46093 | 110.95 | 323 | 127.00 | 87 | 141.70 | 176 |

Average of 12.226 to 12.233 min.: V2840.D\data.ms

bfb

Modified:subtracted

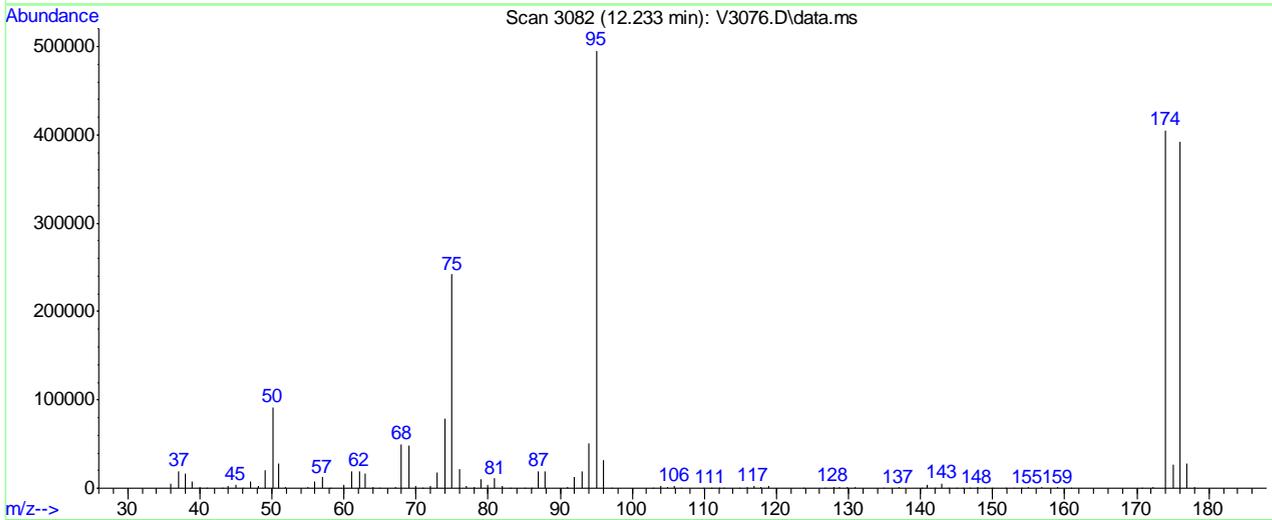
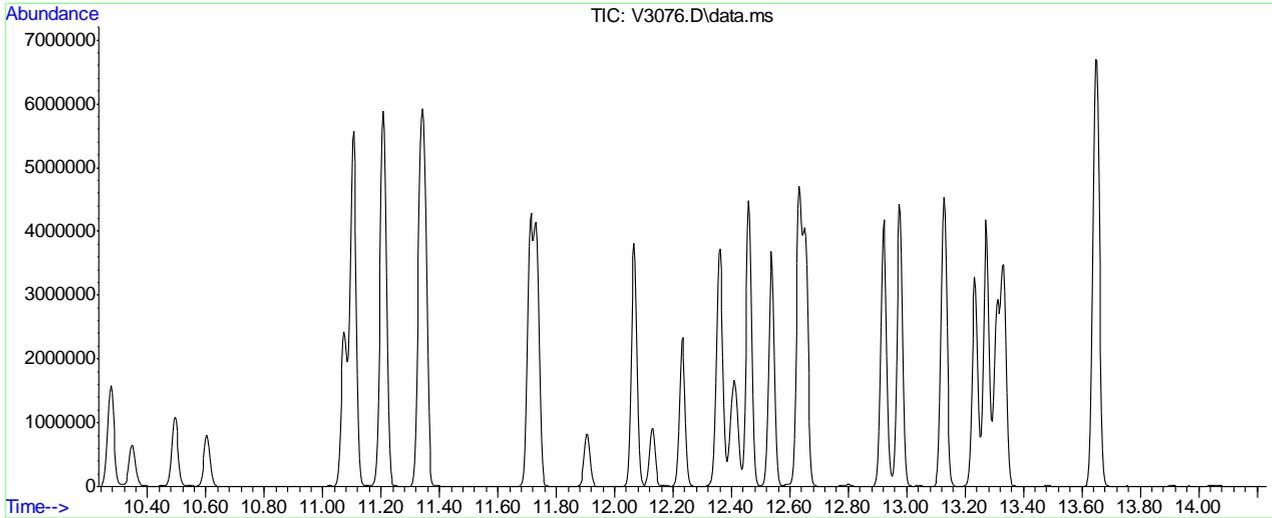
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|-----|--------|
| 142.05 | 209 | 149.90 | 491 | 170.30 | 93 | | |
| 142.95 | 3054 | 151.90 | 190 | 170.80 | 130 | | |
| 143.80 | 109 | 152.75 | 340 | 171.95 | 931 | | |
| 144.10 | 118 | 153.00 | 53 | 172.95 | 3527 | | |
| 144.90 | 278 | 153.85 | 158 | 174.00 | 330133 | | |
| 145.80 | 485 | 154.90 | 887 | 175.00 | 24440 | | |
| 146.70 | 93 | 155.90 | 87 | 176.00 | 319211 | | |
| 147.00 | 334 | 156.90 | 754 | 177.00 | 20605 | | |
| 147.95 | 701 | 159.00 | 491 | 177.90 | 513 | | |
| 148.85 | 197 | 160.90 | 542 | | | | |
| 149.30 | 50 | 168.80 | 133 | | | | |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Sample : bfb
 Misc : MS24287,MSV136,5,,,5,1
 MS Integration Params: RTEINT.P

Vial: 2
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3082

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.5 | 91632 | PASS |
| 75 | 95 | 30 | 60 | 48.8 | 241984 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 495744 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 31752 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 81.7 | 405184 | PASS |
| 175 | 174 | 5 | 9 | 6.5 | 26376 | PASS |
| 176 | 174 | 95 | 101 | 96.8 | 392320 | PASS |
| 177 | 176 | 5 | 9 | 7.1 | 27872 | PASS |

Scan 3082 (12.233 min): V3076.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 36.00 | 4844 | 48.10 | 2665 | 62.10 | 19056 | 74.00 | 78200 |
| 37.10 | 19520 | 49.00 | 19888 | 63.00 | 16664 | 75.00 | 241984 |
| 38.00 | 16928 | 50.10 | 91632 | 64.00 | 1260 | 76.10 | 21072 |
| 39.00 | 7890 | 51.00 | 28040 | 65.00 | 443 | 77.00 | 2420 |
| 40.00 | 889 | 51.90 | 1302 | 67.10 | 1206 | 78.00 | 1414 |
| 41.00 | 207 | 55.00 | 1368 | 68.00 | 50168 | 79.00 | 9954 |
| 43.10 | 428 | 56.00 | 7061 | 69.00 | 47784 | 80.00 | 3239 |
| 44.00 | 2681 | 57.00 | 12702 | 70.00 | 2877 | 80.90 | 11166 |
| 45.00 | 3673 | 58.10 | 598 | 70.90 | 421 | 81.90 | 2465 |
| 46.00 | 563 | 60.00 | 4398 | 72.00 | 2110 | 83.00 | 231 |
| 47.00 | 7357 | 61.00 | 18928 | 73.00 | 18152 | 85.10 | 276 |

Scan 3082 (12.233 min): V3076.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 86.10 | 650 | 103.90 | 2097 | 117.90 | 1403 | 140.90 | 3869 |
| 87.00 | 19160 | 104.90 | 784 | 118.90 | 2343 | 142.00 | 464 |
| 87.90 | 18832 | 105.90 | 2138 | 123.80 | 226 | 143.00 | 5145 |
| 91.00 | 1584 | 106.80 | 406 | 126.70 | 152 | 143.90 | 248 |
| 92.00 | 13180 | 109.90 | 487 | 127.90 | 1937 | 145.00 | 422 |
| 93.00 | 19384 | 110.90 | 433 | 128.80 | 984 | 145.90 | 515 |
| 94.00 | 51344 | 112.10 | 161 | 129.90 | 1386 | 146.90 | 237 |
| 95.00 | 495744 | 112.70 | 184 | 130.90 | 890 | 147.90 | 1137 |
| 96.00 | 31752 | 114.80 | 454 | 134.90 | 545 | 148.90 | 302 |
| 97.10 | 573 | 115.90 | 1261 | 137.00 | 771 | 150.00 | 196 |
| 102.90 | 322 | 116.90 | 2523 | 140.10 | 261 | 151.80 | 230 |

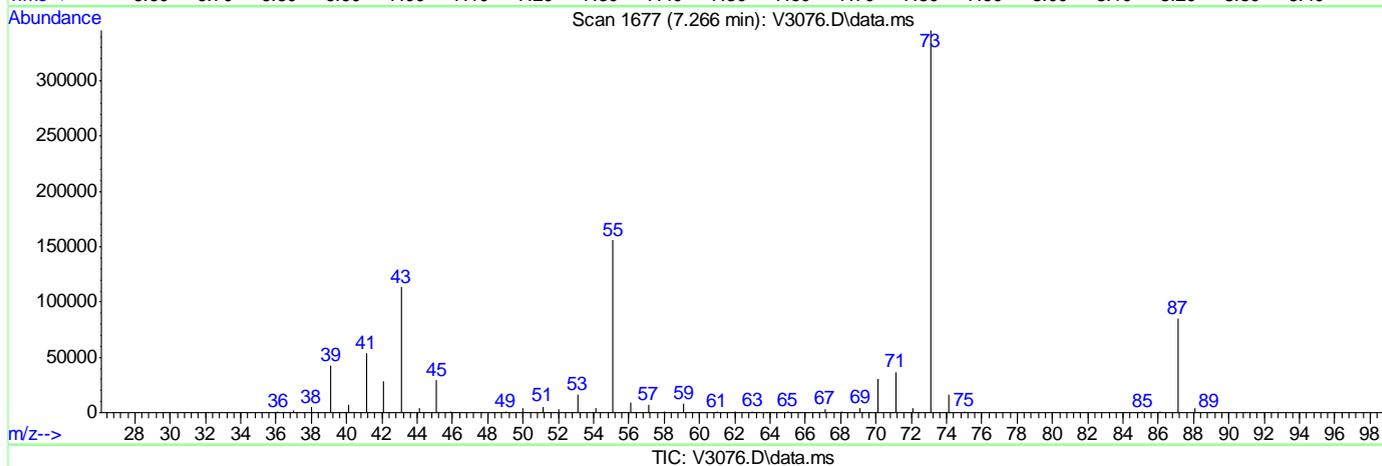
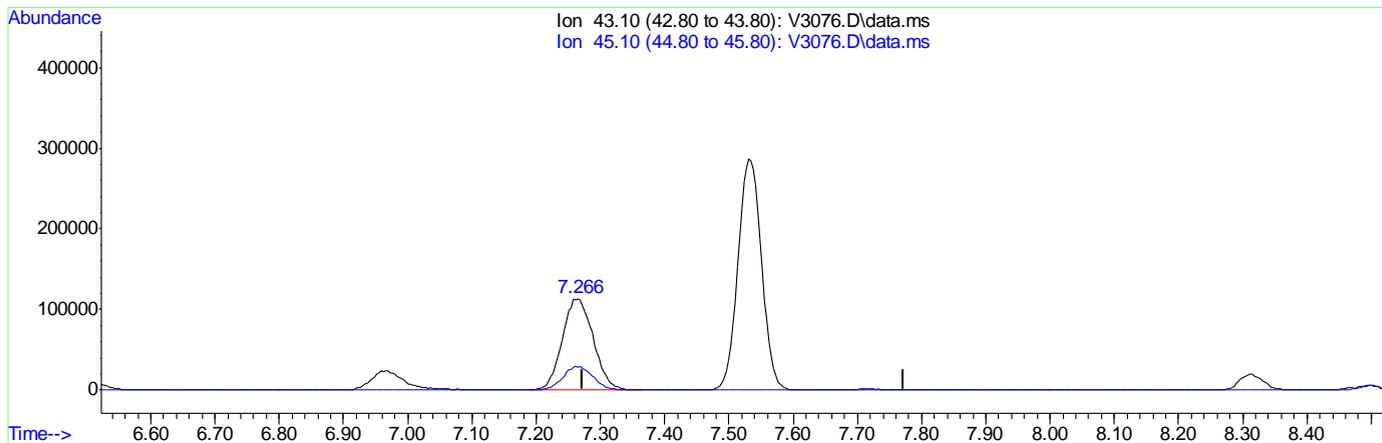
Scan 3082 (12.233 min): V3076.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|-----|--------|-----|--------|
| 152.90 | 166 | 177.00 | 27872 | | | | |
| 154.00 | 249 | 178.00 | 711 | | | | |
| 154.90 | 1010 | | | | | | |
| 156.80 | 949 | | | | | | |
| 159.00 | 699 | | | | | | |
| 160.80 | 523 | | | | | | |
| 170.70 | 340 | | | | | | |
| 172.20 | 1051 | | | | | | |
| 174.00 | 405184 | | | | | | |
| 175.00 | 26376 | | | | | | |
| 176.00 | 392320 | | | | | | |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:06:24 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.266min (-0.007) 50.55ug/L m

response 374949

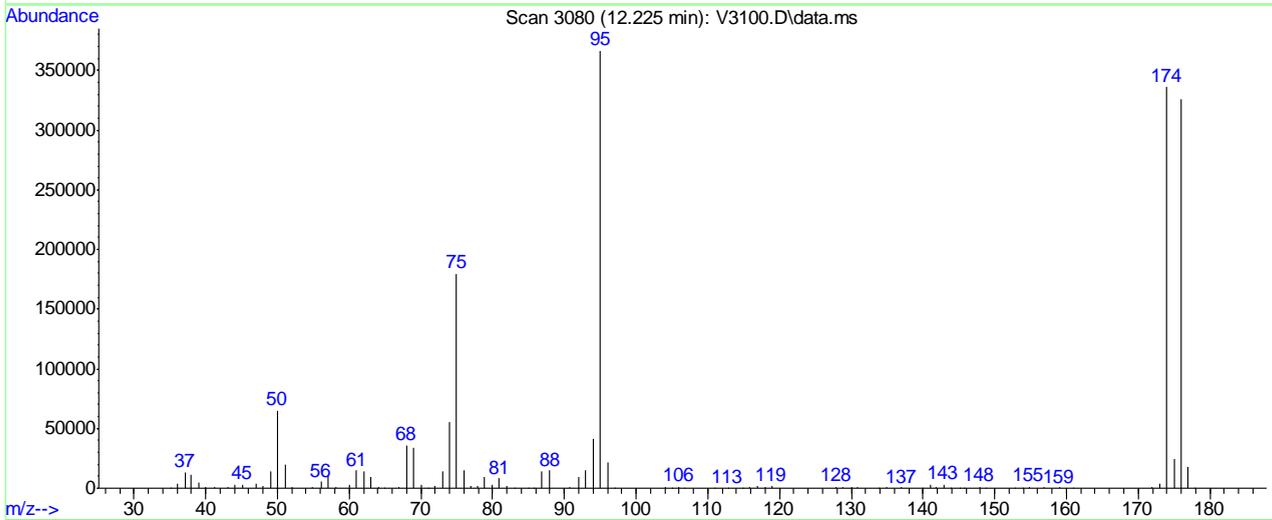
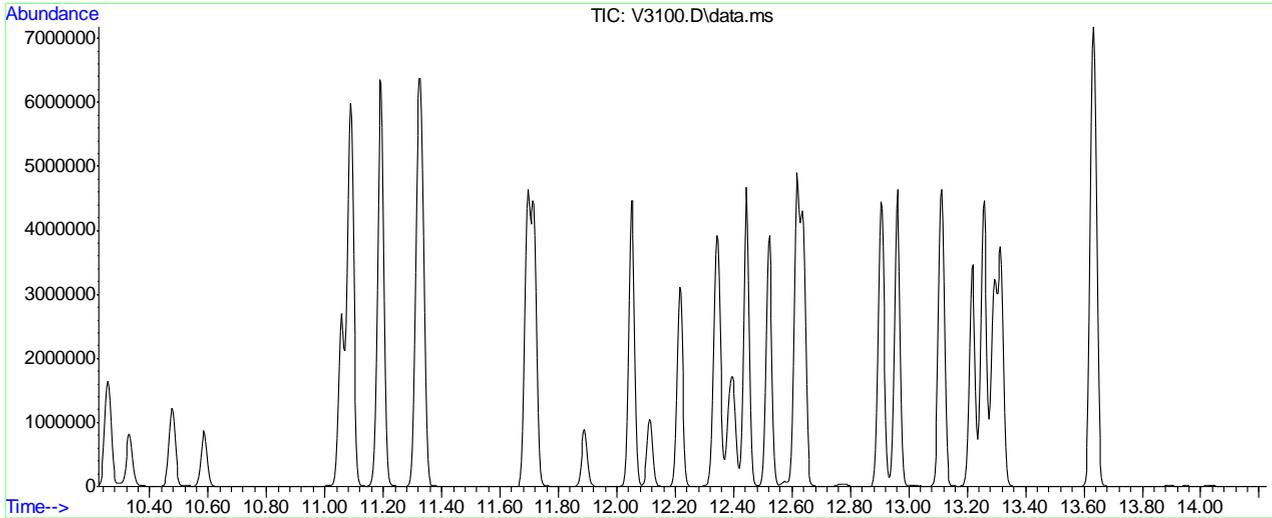
| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Sample : bfb
 Misc : MS24287,MSV137,5,,5,1
 MS Integration Params: RTEINT.P

Vial: 3
 Operator: AMYM
 Inst : GCMS V
 Multiplr: 1.00

Method : C:\msdchem\1\METHODS\v102411s.m (RTE Integrator)
 Title : SW-846 Method 8260



Spectrum Information: Scan 3080

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 17.7 | 64872 | PASS |
| 75 | 95 | 30 | 60 | 49.0 | 179648 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 366720 | PASS |
| 96 | 95 | 5 | 9 | 5.9 | 21616 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 3346 | PASS |
| 174 | 95 | 50 | 100 | 91.7 | 336192 | PASS |
| 175 | 174 | 5 | 9 | 7.2 | 24312 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 326080 | PASS |
| 177 | 176 | 5 | 9 | 5.5 | 17880 | PASS |

Scan 3080 (12.225 min): V3100.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 35.10 | 307 | 48.00 | 1940 | 62.10 | 14222 | 74.00 | 55824 |
| 36.00 | 3996 | 49.00 | 14478 | 63.00 | 9245 | 75.00 | 179648 |
| 37.10 | 13532 | 50.00 | 64872 | 64.10 | 1243 | 76.00 | 15103 |
| 38.00 | 11142 | 51.10 | 19592 | 64.90 | 302 | 77.00 | 1717 |
| 39.10 | 5192 | 52.00 | 682 | 67.00 | 899 | 77.90 | 1585 |
| 40.00 | 796 | 54.90 | 1060 | 68.00 | 36168 | 78.90 | 9251 |
| 41.20 | 599 | 56.10 | 5433 | 69.00 | 34208 | 80.00 | 2384 |
| 43.10 | 530 | 57.10 | 9960 | 70.00 | 2618 | 80.90 | 8240 |
| 44.10 | 2786 | 58.10 | 599 | 71.00 | 364 | 82.00 | 1682 |
| 45.10 | 2882 | 60.00 | 2718 | 71.90 | 1898 | 83.10 | 211 |
| 47.00 | 3925 | 61.00 | 14985 | 73.00 | 13662 | 85.00 | 237 |

Scan 3080 (12.225 min): V3100.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 85.80 | 336 | 105.00 | 506 | 128.90 | 909 | 145.10 | 285 |
| 86.90 | 14462 | 106.00 | 1227 | 130.00 | 1234 | 145.80 | 484 |
| 88.00 | 14636 | 106.80 | 392 | 130.90 | 522 | 147.90 | 1094 |
| 90.80 | 962 | 111.00 | 254 | 133.90 | 171 | 148.80 | 353 |
| 92.00 | 9508 | 112.80 | 297 | 134.90 | 576 | 152.80 | 476 |
| 93.00 | 14966 | 114.90 | 221 | 137.00 | 639 | 153.90 | 216 |
| 94.00 | 41464 | 115.80 | 1138 | 140.00 | 260 | 154.80 | 968 |
| 95.00 | 366720 | 116.90 | 1591 | 141.00 | 2816 | 156.80 | 663 |
| 96.00 | 21616 | 118.00 | 998 | 141.90 | 579 | 159.00 | 609 |
| 97.00 | 502 | 118.90 | 1649 | 142.90 | 3086 | 160.90 | 393 |
| 104.00 | 1080 | 127.90 | 1240 | 143.80 | 222 | 171.90 | 654 |

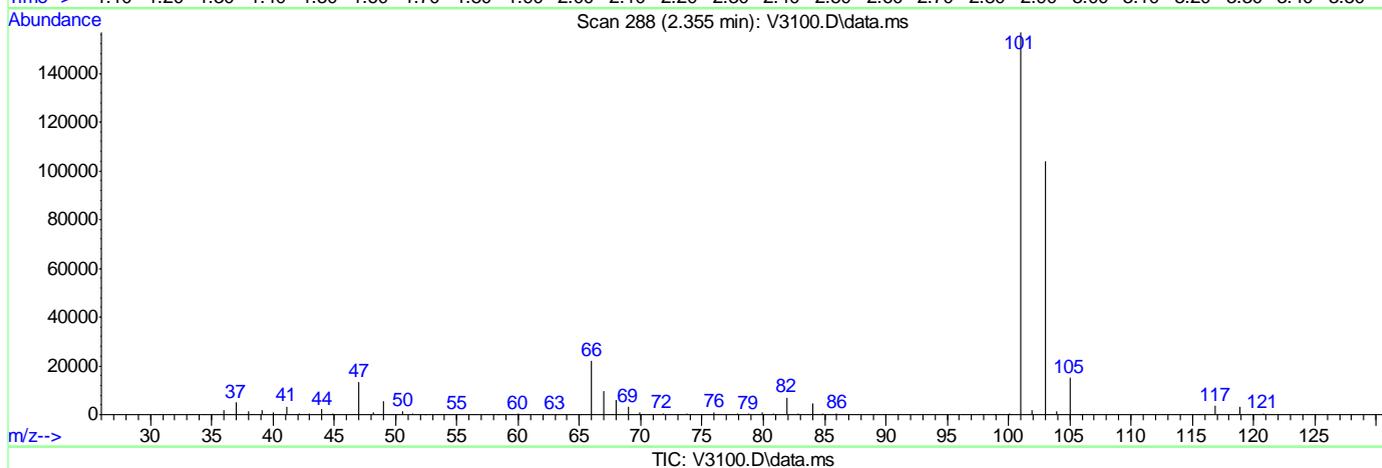
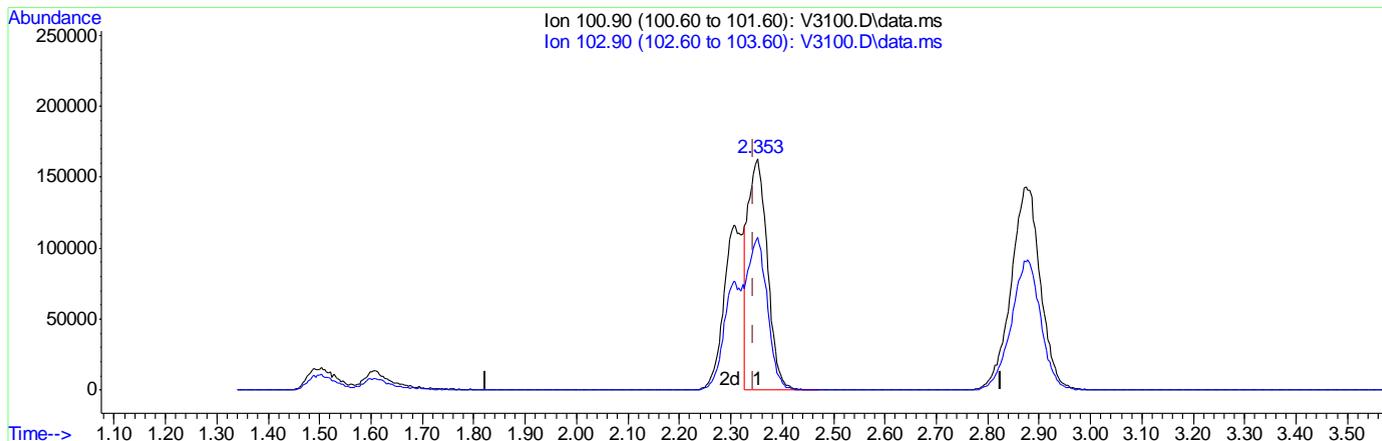
Scan 3080 (12.225 min): V3100.D\data.ms
bfb

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|-----|--------|-----|--------|-----|--------|
| 173.00 | 3346 | | | | | | |
| 174.00 | 336192 | | | | | | |
| 175.00 | 24312 | | | | | | |
| 176.00 | 326080 | | | | | | |
| 176.90 | 17880 | | | | | | |
| 177.90 | 430 | | | | | | |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.353min (+0.008) 29.72ug/L

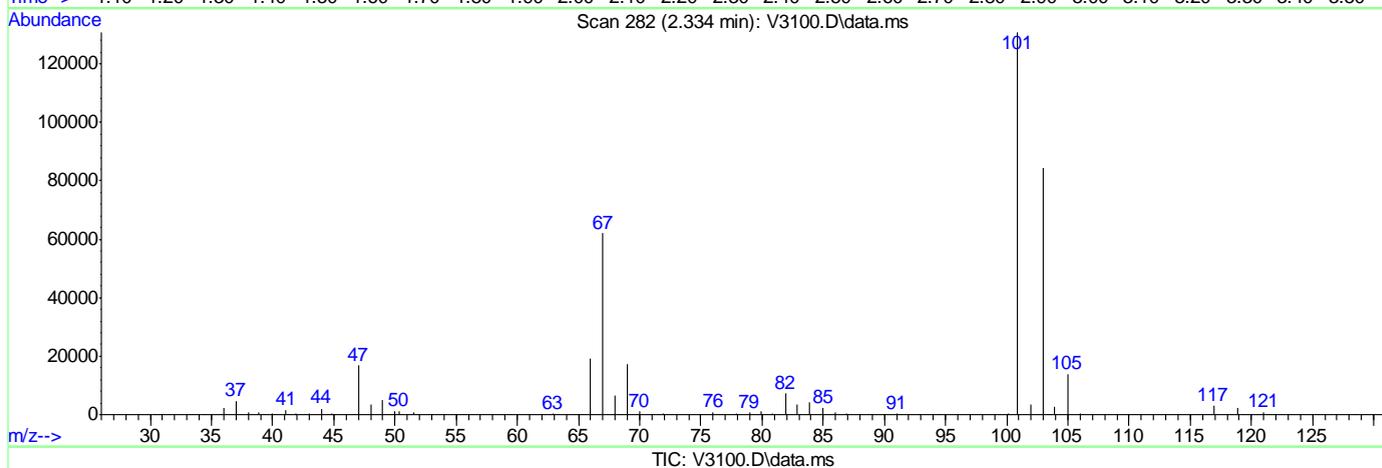
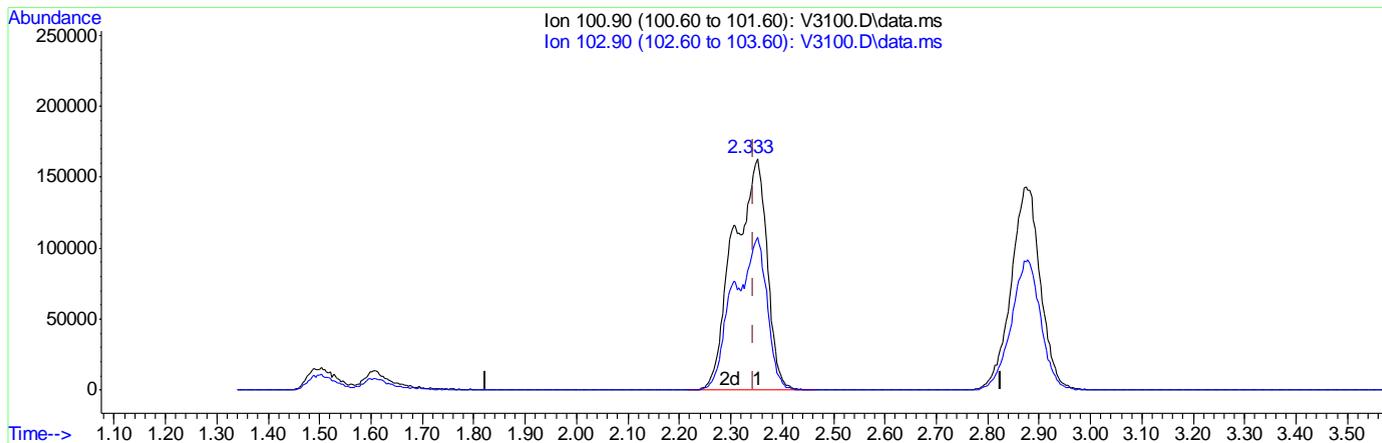
response 425235

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 66.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.334min (-0.011) 51.71ug/L m

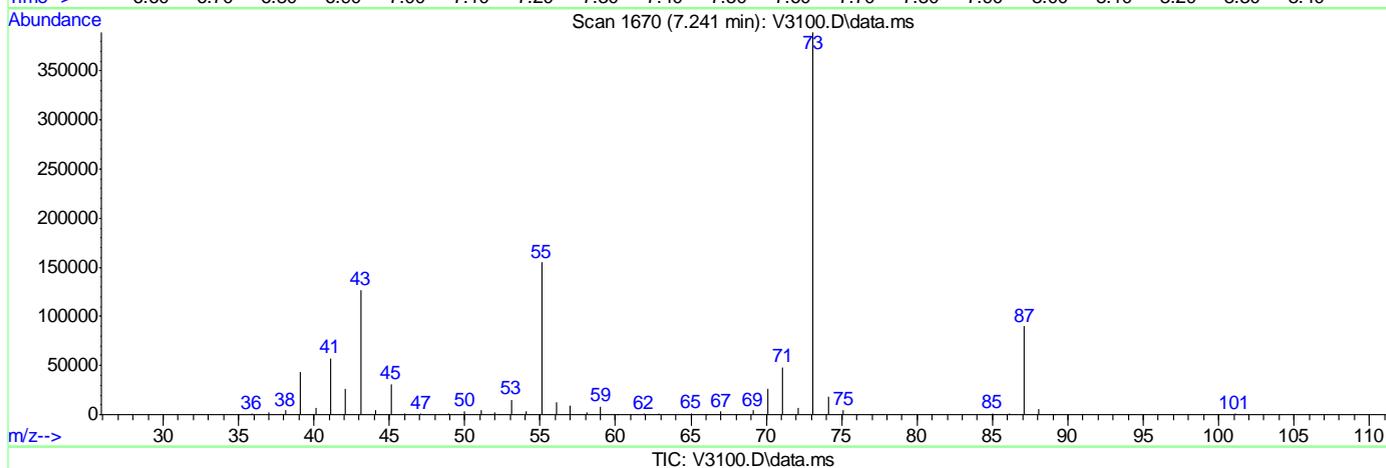
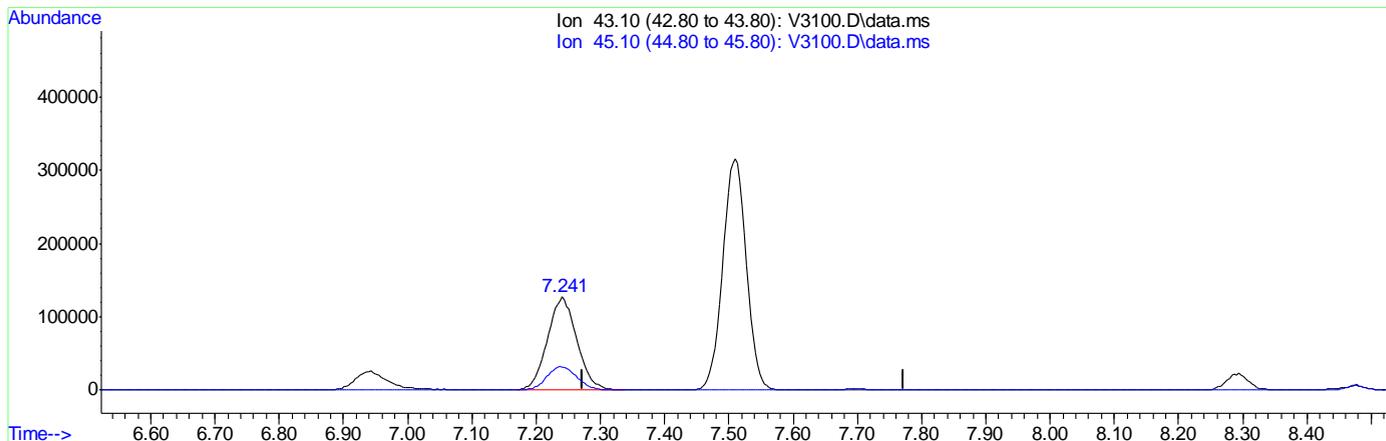
response 739939

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 64.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



(37) ethyl acetate

7.241min (-0.032) 49.73ug/L m

response 408073

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56197.D Vial: 5
 Acq On : 20 Oct 2011 12:43 pm Operator: garyk
 Sample : ic2266-0.5 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:42 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 41836 | 500.00 | ppb | 0.03 |
| 4) pentafluorobenzene | 9.14 | 168 | 262736 | 50.00 | ppb | 0.02 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 404012 | 50.00 | ppb | 0.02 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 188041 | 50.00 | ppb | 0.02 |
| 79) 1,4-dichlorobenzene-d4 | 15.84 | 152 | 160328 | 50.00 | ppb | 0.03 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|------|--------|--|
| 39) dibromofluoromethane (s) | 0.00 | 113 | 0d | 0.00 | ppb | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |
| 59) toluene-d8 (s) | 0.00 | 98 | 0d | 0.00 | ppb | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |
| 81) bromofluorobenzene (s) | 0.00 | 95 | 0d | 0.00 | ppb | |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 0.00%# | |

Target Compounds

| | | | | | | |
|-------------|------|----|------|------|-----|-----------|
| 46) benzene | 9.82 | 78 | 5572 | 0.60 | ppb | Qvalue 83 |
|-------------|------|----|------|------|-----|-----------|

6.6.1
6

(#) = qualifier out of range (m) = manual integration
 E56197.D E102011M.M Thu Oct 20 14:42:50 2011 LPT1

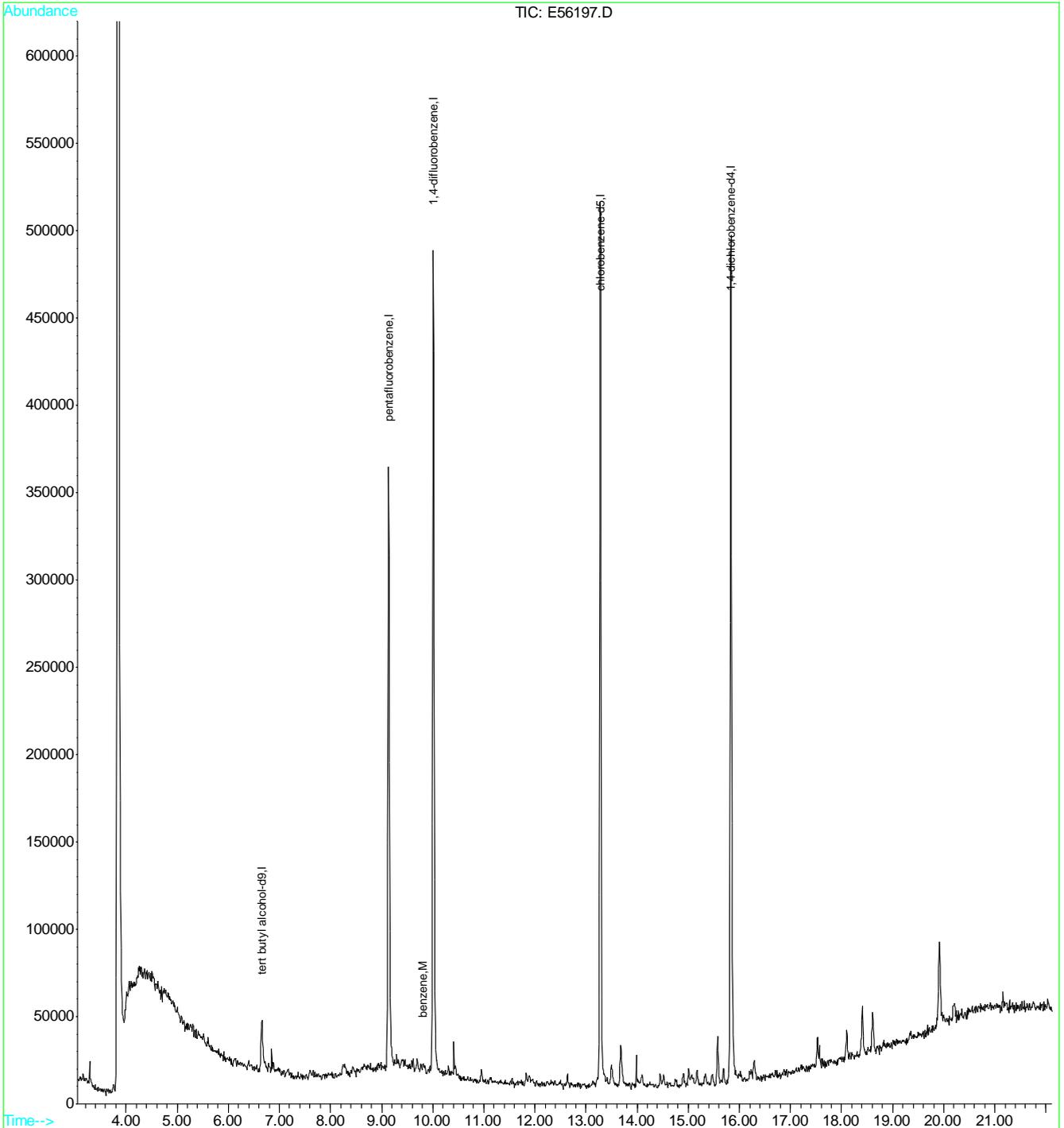
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56197.D
 Acq On : 20 Oct 2011 12:43 pm
 Sample : ic2266-0.5
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:42 2011

Vial: 5
 Operator: garyk
 Inst : MSE
 Multipl: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56198.D
 Acq On : 20 Oct 2011 1:12 pm
 Sample : ic2266-2
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:42 2011

Vial: 6
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 39875 | 500.00 | ppb | 0.04 |
| 4) pentafluorobenzene | 9.14 | 168 | 277451 | 50.00 | ppb | 0.03 |
| 42) 1,4-difluorobenzene | 10.02 | 114 | 423132 | 50.00 | ppb | 0.03 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 198510 | 50.00 | ppb | 0.02 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 163112 | 50.00 | ppb | 0.03 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|------|--------|------|
| 39) dibromofluoromethane (s) | 8.78 | 113 | 6958 | 2.39 | ppb | 0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 4.78%# | |
| 59) toluene-d8 (s) | 11.82 | 98 | 20778 | 2.32 | ppb | 0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 4.64%# | |
| 81) bromofluorobenzene (s) | 14.51 | 95 | 6571 | 2.20 | ppb | 0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 4.40%# | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 2) tertiary butyl alcohol | 6.76 | 59 | 3239 | 27.88 | ppb | 55 |
| 3) Ethanol | 5.48 | 45 | 8293 | 439.72 | ppb # | 65 |
| 5) dichlorodifluoromethane | 4.28 | 85 | 8405 | 6.66 | ppb | 81 |
| 6) chloromethane | 4.53 | 50 | 13237 | 5.33 | ppb | 80 |
| 7) vinyl chloride | 4.77 | 62 | 8800 | 4.41 | ppb | 97 |
| 8) bromomethane | 5.30 | 96 | 6061 | 3.66 | ppb | 97 |
| 9) chloroethane | 5.47 | 64 | 5024 | 3.63 | ppb | 78 |
| 10) ethyl ether | 6.40 | 59 | 4014 | 2.52 | ppb | 81 |
| 11) acetonitrile | 6.04 | 41 | 1818 | 4.45 | ppb # | 1 |
| 12) trichlorofluoromethane | 6.14 | 101 | 11037 | 3.99 | ppb | 72 |
| 13) freon-113 | 6.94 | 101 | 6534 | 3.05 | ppb | 90 |
| 15) 1,1-dichloroethene | 6.74 | 96 | 6694 | 2.93 | ppb | 89 |
| 16) acetone | 6.29 | 43 | 2840 | 3.94 | ppb | 94 |
| 17) Methyl Acetate | 6.95 | 43 | 6653 | 2.89 | ppb # | 89 |
| 18) methylene chloride | 6.88 | 84 | 7033 | 2.82 | ppb | 80 |
| 19) methyl tert butyl ether | 7.70 | 73 | 9021 | 2.06 | ppb | 77 |
| 20) acrylonitrile | 6.81 | 53 | 1419 | 13.33 | ppb | 74 |
| 21) allyl chloride | 6.99 | 41 | 14742 | 3.53 | ppb | 97 |
| 22) trans-1,2-dichloroethene | 7.61 | 96 | 8871 | 3.44 | ppb | 96 |
| 23) iodomethane | 6.79 | 142 | 12028 | 2.70 | ppb | 89 |
| 24) carbon disulfide | 7.17 | 76 | 21394 | 2.95 | ppb | 84 |
| 26) vinyl acetate | 7.99 | 43 | 9008 | 2.28 | ppb | 93 |
| 27) chloroprene | 8.23 | 53 | 10374 | 3.46 | ppb | 97 |
| 28) di-isopropyl ether | 8.28 | 45 | 25582 | 2.78 | ppb | 96 |
| 29) methacrylonitrile | 8.42 | 41 | 2942 | 2.74 | ppb # | 59 |
| 31) Hexane | 8.26 | 41 | 14500 | 3.75 | ppb # | 76 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 13217 | 3.06 | ppb | 95 |
| 33) tert-butyl ethyl ether | 8.68 | 59 | 13021 | 2.17 | ppb | 96 |
| 34) isobutyl alcohol | 8.74 | 43 | 1282 | 6.35 | ppb | 91 |
| 35) 2,2-dichloropropane | 8.73 | 77 | 9535 | 3.44 | ppb | 78 |
| 36) cis-1,2-dichloroethene | 8.44 | 96 | 7057 | 2.50 | ppb # | 78 |
| 37) bromochloromethane | 8.61 | 128 | 2859 | 2.34 | ppb # | 80 |
| 38) chloroform | 8.65 | 83 | 11484 | 2.83 | ppb | 94 |
| 40) Tetrahydrofuran | 9.06 | 42 | 1727 | 4.20 | ppb | 78 |
| 41) 1,1,1-trichloroethane | 9.41 | 97 | 9300 | 2.99 | ppb | 87 |

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

E56198.D E102011M.M

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LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56198.D
 Acq On : 20 Oct 2011 1:12 pm
 Sample : ic2266-2
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:42 2011

Vial: 6
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|------|--------|
| 43) Cyclohexane | 9.69 | 56 | 11385 | 2.87 | ppb | # 87 |
| 44) carbon tetrachloride | 9.77 | 117 | 8627 | 3.29 | ppb | 95 |
| 45) 1,1-dichloropropene | 9.60 | 75 | 9161 | 2.77 | ppb | 87 |
| 46) benzene | 9.82 | 78 | 25758 | 2.63 | ppb | 100 |
| 47) 1,2-dichloroethane | 9.31 | 62 | 6622 | 2.83 | ppb | 88 |
| 48) tert-amyl methyl ether | 9.93 | 73 | 8692 | 1.89 | ppb | 94 |
| 49) heptane | 10.30 | 43 | 10961 | 3.16 | ppb | 82 |
| 50) trichloroethene | 10.44 | 95 | 7240 | 2.94 | ppb | # 60 |
| 51) 1,2-dichloropropane | 10.41 | 63 | 6749 | 2.73 | ppb | 73 |
| 52) dibromomethane | 10.38 | 93 | 2596 | 2.18 | ppb | 85 |
| 53) bromodichloromethane | 10.50 | 83 | 7801 | 2.78 | ppb | 93 |
| 54) Methylcyclohexane | 10.95 | 83 | 10237 | 2.88 | ppb | # 91 |
| 58) cis-1,3-dichloropropene | 11.12 | 75 | 7899 | 2.32 | ppb | 82 |
| 60) 4-methyl-2-pentanone | 11.32 | 43 | 1315 | 1.01 | ppb | # 49 |
| 61) toluene | 11.90 | 92 | 13576 | 2.26 | ppb | 99 |
| 62) trans-1,3-dichloropropene | 11.54 | 75 | 4356 | 1.81 | ppb | 43 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 3025 | 2.26 | ppb | # 54 |
| 64) ethyl methacrylate | 11.98 | 69 | 2600 | 1.49 | ppb | 81 |
| 66) tetrachloroethene | 12.63 | 166 | 6781 | 2.44 | ppb | # 75 |
| 67) 1,3-dichloropropane | 11.95 | 76 | 5889 | 2.01 | ppb | 78 |
| 68) dibromochloromethane | 12.23 | 129 | 3850 | 1.89 | ppb | 91 |
| 69) 1,2-dibromoethane | 12.49 | 107 | 3142 | 1.80 | ppb | # 69 |
| 71) chlorobenzene | 13.31 | 112 | 15669 | 2.17 | ppb | 95 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 5037 | 2.14 | ppb | 81 |
| 73) ethylbenzene | 13.49 | 91 | 22974 | 1.99 | ppb | 97 |
| 74) m,p-xylene | 13.68 | 106 | 15805 | 3.48 | ppb | 89 |
| 75) o-xylene | 14.08 | 106 | 8996 | 2.02 | ppb | 91 |
| 76) styrene | 14.02 | 104 | 11804 | 1.70 | ppb | 93 |
| 77) bromoform | 13.84 | 173 | 2096 | 1.89 | ppb | 84 |
| 78) trans-1,4-dichloro-2-buten | 13.92 | 53 | 1089 | 2.59 | ppb | # 1 |
| 80) isopropylbenzene | 14.45 | 105 | 16213 | 1.94 | ppb | 91 |
| 82) bromobenzene | 14.74 | 156 | 5234 | 2.06 | ppb | 93 |
| 83) 1,1,2,2-tetrachloroethane | 14.09 | 83 | 3384 | 2.16 | ppb | 76 |
| 84) 1,2,3-trichloropropane | 14.51 | 75 | 3279 | 2.05 | ppb | 54 |
| 85) n-propylbenzene | 14.90 | 91 | 22867 | 2.15 | ppb | 97 |
| 86) 2-chlorotoluene | 15.01 | 91 | 14877 | 2.21 | ppb | 94 |
| 87) 4-chlorotoluene | 15.09 | 91 | 16619 | 2.36 | ppb | 91 |
| 88) 1,3,5-trimethylbenzene | 15.17 | 105 | 15797 | 2.14 | ppb | 94 |
| 89) tert-butylbenzene | 15.47 | 91 | 8990 | 2.44 | ppb | 96 |
| 90) 1,2,4-trimethylbenzene | 15.57 | 105 | 14948 | 2.04 | ppb | 85 |
| 91) sec-butylbenzene | 15.69 | 105 | 18376 | 2.09 | ppb | 92 |
| 92) 1,3-dichlorobenzene | 15.80 | 146 | 9925 | 2.25 | ppb | 93 |
| 93) p-isopropyltoluene | 15.87 | 119 | 16844 | 2.45 | ppb | 94 |
| 94) 1,4-dichlorobenzene | 15.86 | 146 | 11223 | 2.36 | ppb | 94 |
| 95) 1,2-dichlorobenzene | 16.23 | 146 | 8467 | 2.15 | ppb | 88 |
| 96) n-butylbenzene | 16.28 | 91 | 15466 | 2.38 | ppb | 95 |
| 98) 1,3,5-trichlorobenzene | 17.52 | 180 | 6931 | 2.67 | ppb | 83 |
| 99) 1,2,4-trichlorobenzene | 18.11 | 180 | 5495 | 2.61 | ppb | 84 |
| 100) hexachlorobutadiene | 18.41 | 225 | 5643 | 5.50 | ppb | 92 |

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

E56198.D E102011M.M

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LPT1

Page 2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56198.D Vial: 6
 Acq On : 20 Oct 2011 1:12 pm Operator: garyk
 Sample : ic2266-2 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:42 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|-----------------------------|-------|------|----------|------|--------|--------|
| 101) naphthalene | 18.39 | 128 | 4774 | 1.33 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.61 | 180 | 4785 | 2.74 | ppb | 98 |
| 103) 2-methylnaphthalene | 19.91 | 142 | 13381 | 6.17 | ug/L # | 87 |

 (#) = qualifier out of range (m) = manual integration
 E56198.D E102011M.M Thu Oct 20 14:46:47 2011 LPT1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56199.D
 Acq On : 20 Oct 2011 1:39 pm
 Sample : ic2266-5
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:47 2011

Vial: 7
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 39900 | 500.00 | ppb | 0.04 |
| 4) pentafluorobenzene | 9.14 | 168 | 266606 | 50.00 | ppb | 0.03 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 417411 | 50.00 | ppb | 0.03 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 194111 | 50.00 | ppb | 0.02 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 159607 | 50.00 | ppb | 0.03 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|------|---------|------|
| 39) dibromofluoromethane (s) | 8.78 | 113 | 14925 | 5.34 | ppb | 0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 10.68%# | |
| 59) toluene-d8 (s) | 11.82 | 98 | 46569 | 5.28 | ppb | 0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 10.56%# | |
| 81) bromofluorobenzene (s) | 14.51 | 95 | 16586 | 5.68 | ppb | 0.04 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 11.36%# | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 2) tertiary butyl alcohol | 6.75 | 59 | 6146 | 52.87 | ppb | 70 |
| 3) Ethanol | 5.49 | 45 | 9536 | 505.31 | ppb | # 62 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 16101 | 13.28 | ppb | 99 |
| 6) chloromethane | 4.54 | 50 | 22005 | 9.22 | ppb | 95 |
| 7) vinyl chloride | 4.77 | 62 | 17491 | 9.13 | ppb | 88 |
| 8) bromomethane | 5.29 | 96 | 12667 | 7.96 | ppb | 87 |
| 9) chloroethane | 5.46 | 64 | 11362 | 8.55 | ppb | 95 |
| 10) ethyl ether | 6.39 | 59 | 8801 | 5.76 | ppb | 96 |
| 11) acetonitrile | 6.13 | 41 | 2855 | 7.27 | ppb | 79 |
| 12) trichlorofluoromethane | 6.14 | 101 | 20667 | 7.77 | ppb | 86 |
| 13) freon-113 | 6.94 | 101 | 14062 | 6.82 | ppb | 89 |
| 14) acrolein | 6.12 | 56 | 1888 | 40.71 | ppb | 100 |
| 15) 1,1-dichloroethene | 6.74 | 96 | 13495 | 6.15 | ppb | 96 |
| 16) acetone | 6.27 | 43 | 4363 | 6.30 | ppb | 86 |
| 17) Methyl Acetate | 6.94 | 43 | 12826 | 5.80 | ppb | # 89 |
| 18) methylene chloride | 6.89 | 84 | 14769 | 6.17 | ppb | # 81 |
| 19) methyl tert butyl ether | 7.71 | 73 | 18562 | 4.41 | ppb | 96 |
| 20) acrylonitrile | 6.80 | 53 | 2919 | 28.53 | ppb | 91 |
| 21) allyl chloride | 6.99 | 41 | 31135 | 7.76 | ppb | 90 |
| 22) trans-1,2-dichloroethene | 7.60 | 96 | 16420 | 6.63 | ppb | 97 |
| 23) iodomethane | 6.80 | 142 | 26116 | 6.11 | ppb | 94 |
| 24) carbon disulfide | 7.17 | 76 | 52377 | 7.52 | ppb | 95 |
| 26) vinyl acetate | 7.98 | 43 | 20716 | 5.45 | ppb | 94 |
| 27) chloroprene | 8.24 | 53 | 21130 | 7.33 | ppb | 83 |
| 28) di-isopropyl ether | 8.28 | 45 | 48655 | 5.50 | ppb | 95 |
| 29) methacrylonitrile | 8.43 | 41 | 6694 | 6.48 | ppb | 81 |
| 30) 2-butanone | 8.35 | 72 | 989m | 5.99 | ppb | |
| 31) Hexane | 8.25 | 41 | 29069 | 7.82 | ppb | # 81 |
| 32) 1,1-dichloroethane | 7.86 | 63 | 27253 | 6.56 | ppb | 87 |
| 33) tert-butyl ethyl ether | 8.67 | 59 | 27735 | 4.82 | ppb | 91 |
| 34) isobutyl alcohol | 8.67 | 43 | 7907 | 40.74 | ppb | # 22 |
| 35) 2,2-dichloropropane | 8.73 | 77 | 18708 | 7.02 | ppb | 87 |
| 36) cis-1,2-dichloroethene | 8.44 | 96 | 14450 | 5.34 | ppb | 82 |
| 37) bromochloromethane | 8.62 | 128 | 6026 | 5.14 | ppb | 81 |
| 38) chloroform | 8.65 | 83 | 23900 | 6.13 | ppb | 86 |

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

E56199.D E102011M.M

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LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56199.D
 Acq On : 20 Oct 2011 1:39 pm
 Sample : ic2266-5
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:47 2011

Vial: 7
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 40) Tetrahydrofuran | 9.01 | 42 | 2633 | 6.66 | ppb | 71 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 21146 | 7.08 | ppb | 88 |
| 43) Cyclohexane | 9.69 | 56 | 25974 | 6.63 | ppb | 93 |
| 44) carbon tetrachloride | 9.77 | 117 | 16457 | 6.36 | ppb | 97 |
| 45) 1,1-dichloropropene | 9.59 | 75 | 18312 | 5.62 | ppb | 94 |
| 46) benzene | 9.81 | 78 | 54886 | 5.69 | ppb | 99 |
| 47) 1,2-dichloroethane | 9.32 | 62 | 13345 | 5.77 | ppb | 99 |
| 48) tert-amyl methyl ether | 9.93 | 73 | 18198 | 4.01 | ppb | 87 |
| 49) heptane | 10.30 | 43 | 22831 | 6.67 | ppb | 92 |
| 50) trichloroethene | 10.44 | 95 | 14370 | 5.91 | ppb | 79 |
| 51) 1,2-dichloropropane | 10.40 | 63 | 15361 | 6.30 | ppb | 98 |
| 52) dibromomethane | 10.38 | 93 | 6382 | 5.44 | ppb | 84 |
| 53) bromodichloromethane | 10.49 | 83 | 13861 | 5.01 | ppb | 98 |
| 54) Methylcyclohexane | 10.95 | 83 | 21124 | 6.03 | ppb # | 86 |
| 56) methyl methacrylate | 10.66 | 69 | 2889 | 3.10 | ppb | 81 |
| 58) cis-1,3-dichloropropene | 11.12 | 75 | 16604 | 4.94 | ppb | 90 |
| 60) 4-methyl-2-pentanone | 11.26 | 43 | 3933 | 3.06 | ppb # | 84 |
| 61) toluene | 11.89 | 92 | 28190 | 4.75 | ppb | 92 |
| 62) trans-1,3-dichloropropene | 11.53 | 75 | 10338 | 4.35 | ppb | 84 |
| 63) 1,1,2-trichloroethane | 11.71 | 83 | 6508 | 4.93 | ppb # | 73 |
| 64) ethyl methacrylate | 11.97 | 69 | 5810 | 3.38 | ppb | 83 |
| 66) tetrachloroethene | 12.63 | 166 | 13826 | 5.09 | ppb | 95 |
| 67) 1,3-dichloropropane | 11.95 | 76 | 12291 | 4.29 | ppb | 92 |
| 68) dibromochloromethane | 12.23 | 129 | 8490 | 4.27 | ppb | 84 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 7627 | 4.47 | ppb | 81 |
| 70) 2-hexanone | 11.98 | 43 | 1015 | 1.04 | ppb # | 69 |
| 71) chlorobenzene | 13.31 | 112 | 32680 | 4.62 | ppb | 92 |
| 72) 1,1,1,2-tetrachloroethane | 13.23 | 131 | 11077 | 4.81 | ppb | 94 |
| 73) ethylbenzene | 13.49 | 91 | 51604 | 4.58 | ppb | 91 |
| 74) m,p-xylene | 13.67 | 106 | 38694 | 8.71 | ppb | 98 |
| 75) o-xylene | 14.09 | 106 | 18146 | 4.17 | ppb | 96 |
| 76) styrene | 14.01 | 104 | 25795 | 3.79 | ppb | 91 |
| 77) bromoform | 13.83 | 173 | 4419 | 4.08 | ppb | 96 |
| 78) trans-1,4-dichloro-2-buten | 14.24 | 53 | 1384 | 3.36 | ppb # | 68 |
| 80) isopropylbenzene | 14.44 | 105 | 38012 | 4.64 | ppb | 97 |
| 82) bromobenzene | 14.74 | 156 | 11409 | 4.59 | ppb | 89 |
| 83) 1,1,2,2-tetrachloroethane | 14.09 | 83 | 6737 | 4.39 | ppb | 89 |
| 84) 1,2,3-trichloropropane | 14.24 | 75 | 6757 | 4.32 | ppb | 87 |
| 85) n-propylbenzene | 14.89 | 91 | 51632 | 4.96 | ppb | 97 |
| 86) 2-chlorotoluene | 15.00 | 91 | 35770 | 5.42 | ppb | 89 |
| 87) 4-chlorotoluene | 15.08 | 91 | 34858 | 5.07 | ppb | 91 |
| 88) 1,3,5-trimethylbenzene | 15.16 | 105 | 37573 | 5.20 | ppb | 83 |
| 89) tert-butylbenzene | 15.46 | 91 | 19563 | 5.43 | ppb | 88 |
| 90) 1,2,4-trimethylbenzene | 15.57 | 105 | 33447 | 4.67 | ppb | 98 |
| 91) sec-butylbenzene | 15.69 | 105 | 42334 | 4.92 | ppb | 94 |
| 92) 1,3-dichlorobenzene | 15.79 | 146 | 21897 | 5.06 | ppb | 97 |
| 93) p-isopropyltoluene | 15.86 | 119 | 36483 | 5.41 | ppb | 98 |
| 94) 1,4-dichlorobenzene | 15.86 | 146 | 23442 | 5.03 | ppb | 87 |
| 95) 1,2-dichlorobenzene | 16.23 | 146 | 17317 | 4.49 | ppb | 92 |

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

E56199.D E102011M.M

Thu Oct 20 14:48:39 2011

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56199.D Vial: 7
 Acq On : 20 Oct 2011 1:39 pm Operator: garyk
 Sample : ic2266-5 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 14:47 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 96) n-butylbenzene | 16.28 | 91 | 33743 | 5.31 | ppb | 99 |
| 97) 1,2-dibromo-3-chloropropan | 16.72 | 75 | 1382 | 6.87 | ppb # | 42 |
| 98) 1,3,5-trichlorobenzene | 17.53 | 180 | 13539 | 5.32 | ppb | 76 |
| 99) 1,2,4-trichlorobenzene | 18.10 | 180 | 8497 | 4.12 | ppb | 94 |
| 100) hexachlorobutadiene | 18.40 | 225 | 9778 | 9.74 | ppb | 92 |
| 101) naphthalene | 18.39 | 128 | 10302 | 2.94 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 7543 | 4.41 | ppb | 84 |
| 103) 2-methylnaphthalene | 19.91 | 142 | 7575 | 3.57 | ug/L # | 97 |

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

E56199.D E102011M.M Thu Oct 20 14:48:39 2011 LPT1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56200.D Vial: 8
 Acq On : 20 Oct 2011 2:08 pm Operator: garyk
 Sample : ic2266-25 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:40 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:38:54 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.65 | 65 | 39523 | 500.00 | ppb | 0.00 |
| 4) pentafluorobenzene | 9.13 | 168 | 255024 | 50.00 | ppb | 0.00 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 391115 | 50.00 | ppb | 0.00 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 191158 | 50.00 | ppb | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 159174 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|----------------|----------|-------|---------|------|
| 39) dibromofluoromethane (s) | 8.77 | 113 | 68687 | 24.09 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 48.18%# | |
| 59) toluene-d8 (s) | 11.81 | 98 | 229978 | 26.04 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 52.08%# | |
| 81) bromofluorobenzene (s) | 14.49 | 95 | 82753 | 25.76 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery | = | 51.52%# | |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.75 | 59 | 25447 | 228.22 | ppb | 88 |
| 3) Ethanol | 5.48 | 45 | 45057 | 2459.71 | ppb | 95 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 81798 | 24.10 | ppb | 91 |
| 6) chloromethane | 4.52 | 50 | 105194 | 24.75 | ppb | 90 |
| 7) vinyl chloride | 4.77 | 62 | 84105 | 25.94 | ppb | 96 |
| 8) bromomethane | 5.30 | 96 | 50881 | 23.48 | ppb | 87 |
| 9) chloroethane | 5.47 | 64 | 45554 | 21.96 | ppb | 92 |
| 10) ethyl ether | 6.38 | 59 | 37008 | 21.49 | ppb | 93 |
| 11) acetonitrile | 6.02 | 41 | 10141 | 23.42 | ppb | # 19 |
| 12) trichlorofluoromethane | 6.13 | 101 | 105488 | 23.25 | ppb | 99 |
| 13) freon-113 | 6.93 | 101 | 71067 | 23.79 | ppb | 95 |
| 14) acrolein | 6.12 | 56 | 7914 | 114.79 | ppb | 100 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 62901 | 25.17 | ppb | 96 |
| 16) acetone | 6.27 | 43 | 15903 | 30.53 | ppb | 98 |
| 17) Methyl Acetate | 6.93 | 43 | 48407 | 22.92 | ppb | # 91 |
| 18) methylene chloride | 6.88 | 84 | 66954 | 23.62 | ppb | 99 |
| 19) methyl tert butyl ether | 7.70 | 73 | 94669 | 21.57 | ppb | 97 |
| 20) acrylonitrile | 6.79 | 53 | 11826 | 116.79 | ppb | 72 |
| 21) allyl chloride | 6.98 | 41 | 138024 | 21.88 | ppb | 95 |
| 22) trans-1,2-dichloroethene | 7.60 | 96 | 70680 | 23.87 | ppb | 96 |
| 23) iodomethane | 6.79 | 142 | 111413 | 22.46 | ppb | 97 |
| 24) carbon disulfide | 7.17 | 76 | 237347 | 22.69 | ppb | 99 |
| 25) propionitrile | 6.90 | 54 | 181m | 6.38 | ppb | |
| 26) vinyl acetate | 7.97 | 43 | 90339 | 20.95 | ppb | 93 |
| 27) chloroprene | 8.23 | 53 | 109482 | 22.03 | ppb | 96 |
| 28) di-isopropyl ether | 8.27 | 45 | 252349 | 22.19 | ppb | 97 |
| 29) methacrylonitrile | 8.40 | 41 | 22687 | 21.12 | ppb | 88 |
| 30) 2-butanone | 8.32 | 72 | 2818 | 20.33 | ppb | # 63 |
| 31) Hexane | 8.25 | 41 | 146167 | 23.04 | ppb | 95 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 128611 | 22.32 | ppb | 97 |
| 33) tert-butyl ether | 8.67 | 59 | 139739 | 21.46 | ppb | 98 |
| 34) isobutyl alcohol | 8.68 | 43 | 28028 | 113.95 | ppb | # 78 |
| 35) 2,2-dichloropropane | 8.73 | 77 | 88244 | 22.95 | ppb | 95 |
| 36) cis-1,2-dichloroethene | 8.43 | 96 | 70218 | 23.02 | ppb | 97 |
| 37) bromochloromethane | 8.60 | 128 | 26923 | 21.84 | ppb | 88 |

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

E56200.D E102011M.M Thu Oct 20 15:40:38 2011 LPT1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56200.D
 Acq On : 20 Oct 2011 2:08 pm
 Sample : ic2266-25
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:40 2011

Vial: 8
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:38:54 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 38) chloroform | 8.64 | 83 | 112133 | 21.96 | ppb | 91 |
| 40) Tetrahydrofuran | 9.00 | 42 | 7358 | 20.56 | ppb | 85 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 99031 | 23.35 | ppb | 95 |
| 43) Cyclohexane | 9.69 | 56 | 128837 | 21.97 | ppb | 98 |
| 44) carbon tetrachloride | 9.77 | 117 | 82008 | 22.26 | ppb | 97 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 87797 | 21.69 | ppb | 95 |
| 46) benzene | 9.81 | 78 | 256868 | 22.29 | ppb | 98 |
| 47) 1,2-dichloroethane | 9.31 | 62 | 60464 | 21.42 | ppb | 93 |
| 48) tert-amyl methyl ether | 9.93 | 73 | 92225 | 20.74 | ppb | 95 |
| 49) heptane | 10.29 | 43 | 112964 | 21.39 | ppb | 96 |
| 50) trichloroethene | 10.43 | 95 | 63483 | 22.16 | ppb | 91 |
| 51) 1,2-dichloropropane | 10.40 | 63 | 61689 | 21.23 | ppb | 100 |
| 52) dibromomethane | 10.37 | 93 | 27180 | 21.71 | ppb | 94 |
| 53) bromodichloromethane | 10.49 | 83 | 70179 | 20.95 | ppb | 99 |
| 54) Methylcyclohexane | 10.95 | 83 | 105407 | 21.81 | ppb | 90 |
| 55) 2-chloroethyl vinyl ether | 10.88 | 63 | 7536 | 39.00 | ppb | 89 |
| 56) methyl methacrylate | 10.61 | 69 | 15403 | 20.14 | ppb | 77 |
| 57) 1,4-dioxane | 10.61 | 88 | 1327 | 107.03 | ppb | 89 |
| 58) cis-1,3-dichloropropene | 11.11 | 75 | 77609 | 21.10 | ppb | 96 |
| 60) 4-methyl-2-pentanone | 11.23 | 43 | 23563 | 17.95 | ppb | 99 |
| 61) toluene | 11.89 | 92 | 146981 | 21.56 | ppb | 93 |
| 62) trans-1,3-dichloropropene | 11.53 | 75 | 53948 | 21.38 | ppb | 94 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 29238 | 22.48 | ppb | 94 |
| 64) ethyl methacrylate | 11.92 | 69 | 36273m | 19.01 | ppb | |
| 66) tetrachloroethene | 12.63 | 166 | 66137 | 22.38 | ppb | 99 |
| 67) 1,3-dichloropropane | 11.94 | 76 | 61779 | 23.20 | ppb | 100 |
| 68) dibromochloromethane | 12.23 | 129 | 40290 | 21.65 | ppb | 98 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 32918 | 22.21 | ppb | 96 |
| 70) 2-hexanone | 12.13 | 43 | 16570 | 22.41 | ppb | 80 |
| 71) chlorobenzene | 13.31 | 112 | 155567 | 22.33 | ppb | 94 |
| 72) 1,1,1,2-tetrachloroethane | 13.23 | 131 | 51270 | 21.81 | ppb | 95 |
| 73) ethylbenzene | 13.48 | 91 | 264614 | 21.44 | ppb | 98 |
| 74) m,p-xylene | 13.67 | 106 | 209190 | 43.41 | ppb | 100 |
| 75) o-xylene | 14.08 | 106 | 98126 | 21.88 | ppb | 99 |
| 76) styrene | 14.00 | 104 | 138483 | 20.68 | ppb | 93 |
| 77) bromoform | 13.84 | 173 | 21149 | 22.51 | ppb | 92 |
| 78) trans-1,4-dichloro-2-buten | 14.22 | 53 | 8922 | 22.47 | ppb | 94 |
| 80) isopropylbenzene | 14.43 | 105 | 216890 | 20.33 | ppb | 100 |
| 82) bromobenzene | 14.73 | 156 | 56352 | 20.58 | ppb | 98 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 34007 | 21.22 | ppb | 95 |
| 84) 1,2,3-trichloropropane | 14.23 | 75 | 34976 | 22.41 | ppb | 99 |
| 85) n-propylbenzene | 14.88 | 91 | 286471 | 20.28 | ppb | 96 |
| 86) 2-chlorotoluene | 15.00 | 91 | 178506 | 21.14 | ppb | 98 |
| 87) 4-chlorotoluene | 15.08 | 91 | 180340 | 20.91 | ppb | 98 |
| 88) 1,3,5-trimethylbenzene | 15.16 | 105 | 200849 | 20.08 | ppb | 99 |
| 89) tert-butylbenzene | 15.46 | 91 | 107285 | 20.52 | ppb | 98 |
| 90) 1,2,4-trimethylbenzene | 15.56 | 105 | 193116 | 20.08 | ppb | 99 |
| 91) sec-butylbenzene | 15.68 | 105 | 249579 | 20.74 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.79 | 146 | 108965 | 21.57 | ppb | 96 |

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

E56200.D E102011M.M

Thu Oct 20 15:40:38 2011

LPT1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56200.D Vial: 8
 Acq On : 20 Oct 2011 2:08 pm Operator: garyk
 Sample : ic2266-25 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:40 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:38:54 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) p-isopropyltoluene | 15.86 | 119 | 189067 | 20.45 | ppb | 97 |
| 94) 1,4-dichlorobenzene | 15.86 | 146 | 114407 | 21.26 | ppb | 96 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 88076 | 21.49 | ppb | 99 |
| 96) n-butylbenzene | 16.27 | 91 | 185751 | 20.62 | ppb | 99 |
| 97) 1,2-dibromo-3-chloropropan | 16.70 | 75 | 4169 | 20.13 | ppb | 79 |
| 98) 1,3,5-trichlorobenzene | 17.52 | 180 | 62222 | 20.40 | ppb | 98 |
| 99) 1,2,4-trichlorobenzene | 18.09 | 180 | 38882 | 19.55 | ppb | 83 |
| 100) hexachlorobutadiene | 18.40 | 225 | 32316 | 23.30 | ppb | 96 |
| 101) naphthalene | 18.39 | 128 | 49551 | 18.84 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.61 | 180 | 27203 | 18.49 | ppb | 80 |
| 103) 2-methylnaphthalene | 19.91 | 142 | 14550 | 9.94 | ug/L | 94 |

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

E56200.D E102011M.M Thu Oct 20 15:40:38 2011 LPT1

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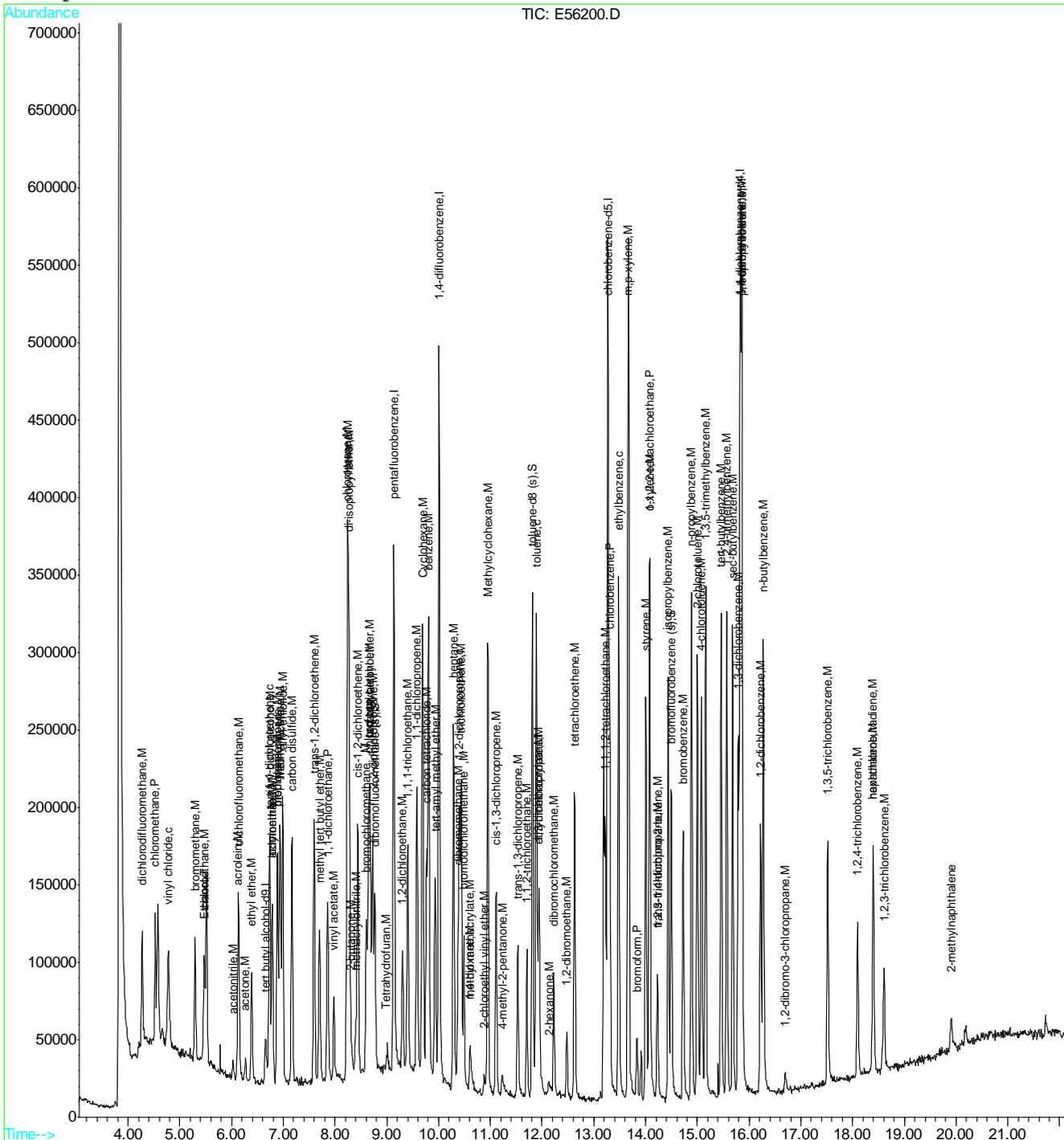
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56200.D
Acq On : 20 Oct 2011 2:08 pm
Sample : ic2266-25
Misc : MS24161,MSE2266,10,,100,10,1
MS Integration Params: RTEINT.P
Quant Time: Oct 20 15:40 2011

Vial: 8
Operator: garyk
Inst : MSE
Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 20 15:38:54 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56201.D
 Acq On : 20 Oct 2011 2:39 pm
 Sample : icc2266-50
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:37 2011

Vial: 9
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 44410 | 500.00 | ppb | 0.03 |
| 4) pentafluorobenzene | 9.14 | 168 | 273635 | 50.00 | ppb | 0.02 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 417172 | 50.00 | ppb | 0.02 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 207792 | 50.00 | ppb | 0.02 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 162897 | 50.00 | ppb | 0.02 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|---------|
| 39) dibromofluoromethane (s) | 8.76 | 113 | 137699 | 47.99 | ppb | 0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 95.98% |
| 59) toluene-d8 (s) | 11.81 | 98 | 471037 | 53.40 | ppb | 0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 106.80% |
| 81) bromofluorobenzene (s) | 14.50 | 95 | 164381 | 55.18 | ppb | 0.02 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 110.36% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.75 | 59 | 62644 | 484.12 | ppb | 90 |
| 3) Ethanol | 5.48 | 45 | 102915 | 4899.62 | ppb | 96 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 182110 | 146.38 | ppb | 95 |
| 6) chloromethane | 4.52 | 50 | 228033 | 93.10 | ppb | 93 |
| 7) vinyl chloride | 4.78 | 62 | 173934 | 88.43 | ppb | 95 |
| 8) bromomethane | 5.30 | 96 | 116266 | 71.22 | ppb | 96 |
| 9) chloroethane | 5.47 | 64 | 111265 | 81.55 | ppb | 93 |
| 10) ethyl ether | 6.39 | 59 | 92388 | 58.87 | ppb | 100 |
| 11) acetonitrile | 6.03 | 41 | 23234m | 57.61 | ppb | |
| 12) trichlorofluoromethane | 6.13 | 101 | 243461 | 89.23 | ppb | 100 |
| 13) freon-113 | 6.94 | 101 | 160261 | 75.74 | ppb | 96 |
| 14) acrolein | 6.13 | 56 | 18493 | 388.49 | ppb | 100 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 134057 | 59.48 | ppb | 87 |
| 16) acetone | 6.27 | 43 | 27942 | 39.34 | ppb | 96 |
| 17) Methyl Acetate | 6.93 | 43 | 113285 | 49.95 | ppb | # 94 |
| 18) methylene chloride | 6.88 | 84 | 152067 | 61.86 | ppb | 87 |
| 19) methyl tert butyl ether | 7.69 | 73 | 235489 | 54.47 | ppb | 99 |
| 20) acrylonitrile | 6.79 | 53 | 27162 | 258.62 | ppb | 81 |
| 21) allyl chloride | 6.99 | 41 | 338421 | 82.13 | ppb | 98 |
| 22) trans-1,2-dichloroethene | 7.59 | 96 | 158826 | 62.49 | ppb | 86 |
| 23) iodomethane | 6.79 | 142 | 266118 | 60.62 | ppb | 90 |
| 24) carbon disulfide | 7.16 | 76 | 561069 | 78.53 | ppb | 100 |
| 25) propionitrile | 6.79 | 54 | 1522 | 77.37 | ppb | 100 |
| 26) vinyl acetate | 7.96 | 43 | 231286 | 59.25 | ppb | 99 |
| 27) chloroprene | 8.23 | 53 | 266624 | 90.14 | ppb | 88 |
| 28) di-isopropyl ether | 8.27 | 45 | 610080 | 67.23 | ppb | 93 |
| 29) methacrylonitrile | 8.39 | 41 | 57623 | 54.38 | ppb | 91 |
| 30) 2-butanone | 8.31 | 72 | 7435 | 43.87 | ppb | # 14 |
| 31) Hexane | 8.25 | 41 | 340400 | 89.26 | ppb | 85 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 309161 | 72.53 | ppb | 99 |
| 33) tert-butyl ethyl ether | 8.67 | 59 | 349276 | 59.09 | ppb | 97 |
| 34) isobutyl alcohol | 8.67 | 43 | 65981 | 331.20 | ppb | 93 |
| 35) 2,2-dichloropropane | 8.72 | 77 | 206238 | 75.40 | ppb | 96 |
| 36) cis-1,2-dichloroethene | 8.44 | 96 | 163654 | 58.88 | ppb | 88 |
| 37) bromochloromethane | 8.60 | 128 | 66127 | 54.92 | ppb | # 80 |

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

E56201.D E102011M.M

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56201.D
 Acq On : 20 Oct 2011 2:39 pm
 Sample : icc2266-50
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:37 2011

Vial: 9
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 38) chloroform | 8.65 | 83 | 273885 | 68.49 | ppb | 96 |
| 40) Tetrahydrofuran | 8.99 | 42 | 19201 | 47.30 | ppb | 95 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 227579 | 74.19 | ppb | 95 |
| 43) Cyclohexane | 9.68 | 56 | 312759 | 79.85 | ppb | 90 |
| 44) carbon tetrachloride | 9.77 | 117 | 196519 | 76.04 | ppb | 99 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 215906 | 66.31 | ppb | 96 |
| 46) benzene | 9.81 | 78 | 614470 | 63.69 | ppb | 98 |
| 47) 1,2-dichloroethane | 9.30 | 62 | 150517 | 65.16 | ppb | 99 |
| 48) tert-amyl methyl ether | 9.93 | 73 | 237163 | 52.32 | ppb | 96 |
| 49) heptane | 10.29 | 43 | 281623 | 82.30 | ppb | 96 |
| 50) trichloroethene | 10.43 | 95 | 152800 | 62.85 | ppb | 91 |
| 51) 1,2-dichloropropane | 10.40 | 63 | 154947 | 63.60 | ppb | 96 |
| 52) dibromomethane | 10.37 | 93 | 66758 | 56.99 | ppb | 93 |
| 53) bromodichloromethane | 10.48 | 83 | 178691 | 64.62 | ppb | 97 |
| 54) Methylcyclohexane | 10.95 | 83 | 257690 | 73.56 | ppb | 89 |
| 55) 2-chloroethyl vinyl ether | 10.88 | 63 | 10304 | 29.15 | ppb | 89 |
| 56) methyl methacrylate | 10.59 | 69 | 40795 | 43.75 | ppb | 83 |
| 57) 1,4-dioxane | 10.60 | 88 | 3306 | 217.63 | ppb | # 59 |
| 58) cis-1,3-dichloropropene | 11.11 | 75 | 196193 | 58.45 | ppb | 94 |
| 60) 4-methyl-2-pentanone | 11.22 | 43 | 70018 | 54.58 | ppb | 91 |
| 61) toluene | 11.88 | 92 | 363637 | 61.35 | ppb | 96 |
| 62) trans-1,3-dichloropropene | 11.53 | 75 | 134596 | 56.69 | ppb | 98 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 69372 | 52.62 | ppb | 94 |
| 64) ethyl methacrylate | 11.91 | 69 | 101785 | 59.32 | ppb | 94 |
| 66) tetrachloroethene | 12.63 | 166 | 160648 | 55.20 | ppb | 98 |
| 67) 1,3-dichloropropane | 11.93 | 76 | 144721 | 47.20 | ppb | 99 |
| 68) dibromochloromethane | 12.23 | 129 | 101145 | 47.53 | ppb | 98 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 80554 | 44.12 | ppb | 99 |
| 70) 2-hexanone | 12.10 | 43 | 40194 | 38.59 | ppb | 91 |
| 71) chlorobenzene | 13.31 | 112 | 378649 | 50.02 | ppb | 96 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 127756 | 51.78 | ppb | 94 |
| 73) ethylbenzene | 13.48 | 91 | 670760 | 55.64 | ppb | 99 |
| 74) m,p-xylene | 13.66 | 106 | 523775 | 110.10 | ppb | 94 |
| 75) o-xylene | 14.07 | 106 | 243699 | 52.29 | ppb | 95 |
| 76) styrene | 14.00 | 104 | 363975 | 49.95 | ppb | 84 |
| 77) bromoform | 13.83 | 173 | 51057 | 44.04 | ppb | 100 |
| 78) trans-1,4-dichloro-2-buten | 14.23 | 53 | 21582 | 48.98 | ppb | # 75 |
| 80) isopropylbenzene | 14.44 | 105 | 545873 | 65.35 | ppb | 99 |
| 82) bromobenzene | 14.72 | 156 | 140130 | 55.28 | ppb | 87 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 82005 | 52.40 | ppb | 97 |
| 84) 1,2,3-trichloropropane | 14.23 | 75 | 79867 | 50.07 | ppb | 98 |
| 85) n-propylbenzene | 14.88 | 91 | 722952 | 68.10 | ppb | 99 |
| 86) 2-chlorotoluene | 15.00 | 91 | 432126 | 64.17 | ppb | 97 |
| 87) 4-chlorotoluene | 15.08 | 91 | 441253 | 62.85 | ppb | 97 |
| 88) 1,3,5-trimethylbenzene | 15.15 | 105 | 511696 | 69.42 | ppb | 94 |
| 89) tert-butylbenzene | 15.46 | 91 | 267526 | 72.77 | ppb | 92 |
| 90) 1,2,4-trimethylbenzene | 15.57 | 105 | 492008 | 67.29 | ppb | 97 |
| 91) sec-butylbenzene | 15.68 | 105 | 615816 | 70.15 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.79 | 146 | 258505 | 58.57 | ppb | 97 |

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

E56201.D E102011M.M

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56201.D Vial: 9
 Acq On : 20 Oct 2011 2:39 pm Operator: garyk
 Sample : icc2266-50 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:37 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 93) p-isopropyltoluene | 15.85 | 119 | 473180 | 68.81 | ppb | 97 |
| 94) 1,4-dichlorobenzene | 15.85 | 146 | 275339 | 57.94 | ppb | 93 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 209685 | 53.24 | ppb | 99 |
| 96) n-butylbenzene | 16.27 | 91 | 460962 | 71.13 | ppb | 97 |
| 97) 1,2-dibromo-3-chloropropan | 16.70 | 75 | 10600 | 51.64 | ppb # | 76 |
| 98) 1,3,5-trichlorobenzene | 17.51 | 180 | 156058 | 60.11 | ppb | 96 |
| 99) 1,2,4-trichlorobenzene | 18.10 | 180 | 101782 | 48.38 | ppb | 99 |
| 100) hexachlorobutadiene | 18.40 | 225 | 70971 | 69.24 | ppb | 100 |
| 101) naphthalene | 18.38 | 128 | 134602 | 37.68 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 75290 | 43.13 | ppb | 98 |
| 103) 2-methylnaphthalene | 19.91 | 142 | 37446 | 17.28 | ug/L | 98 |

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

E56201.D E102011M.M Thu Oct 20 15:38:30 2011 LPT1

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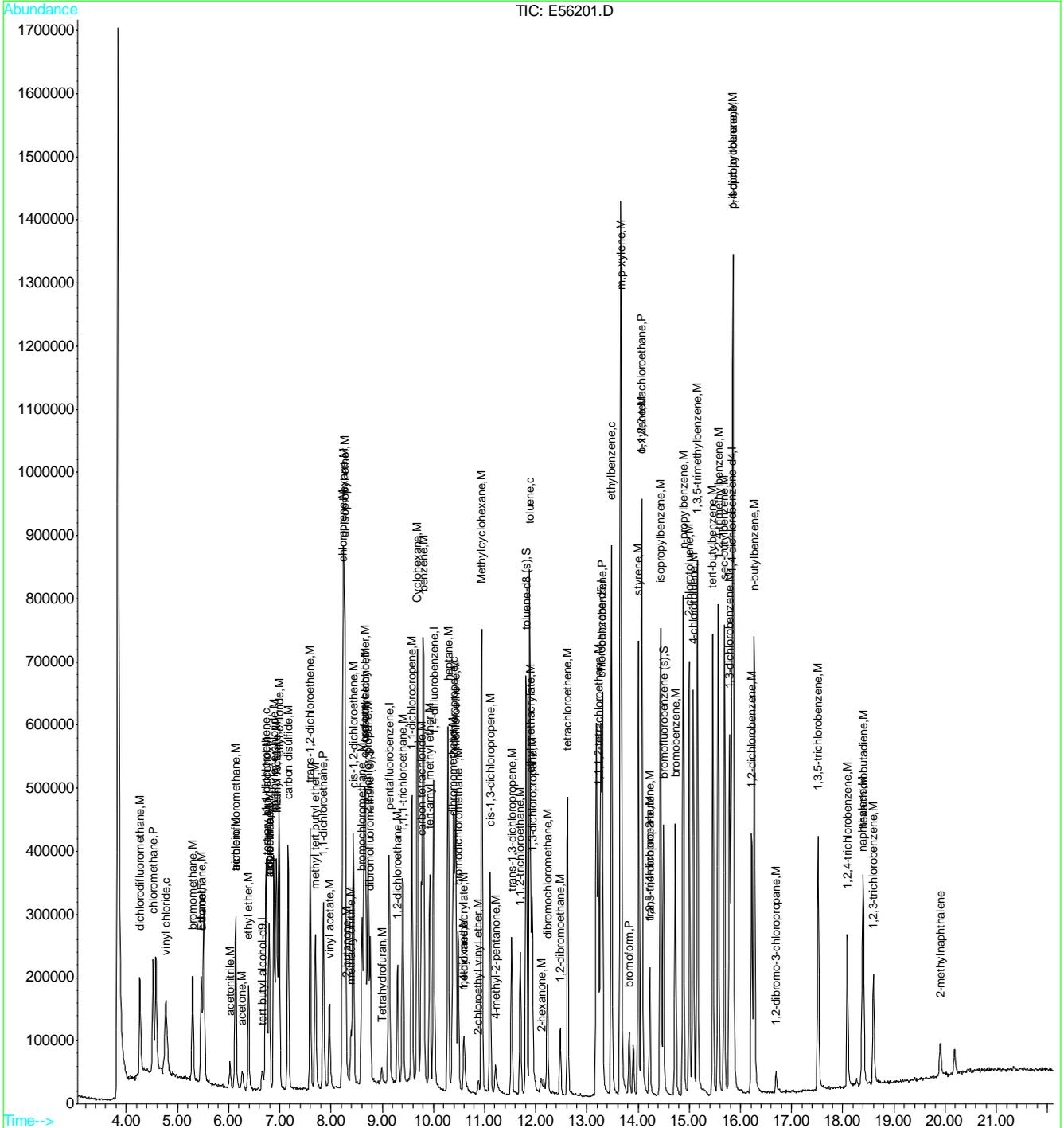
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56201.D
 Acq On : 20 Oct 2011 2:39 pm
 Sample : icc2266-50
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:37 2011

Vial: 9
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 14:41:49 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56202.D
 Acq On : 20 Oct 2011 3:08 pm
 Sample : ic2266-100
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:41 2011

Vial: 10
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:41:13 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 44371 | 500.00 | ppb | 0.00 |
| 4) pentafluorobenzene | 9.13 | 168 | 269522 | 50.00 | ppb | 0.00 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 417929 | 50.00 | ppb | 0.00 |
| 65) chlorobenzene-d5 | 13.26 | 82 | 203970 | 50.00 | ppb | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 159866 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|----------|
| 39) dibromofluoromethane (s) | 8.77 | 113 | 273671 | 87.71 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 175.42%# |
| 59) toluene-d8 (s) | 11.81 | 98 | 943504 | 97.94 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 195.88%# |
| 81) bromofluorobenzene (s) | 14.49 | 95 | 336159 | 102.63 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 205.26%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.74 | 59 | 115247 | 962.59 | ppb | 92 |
| 3) Ethanol | 5.48 | 45 | 191258 | 9375.75 | ppb | 97 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 326010 | 92.55 | ppb | 92 |
| 6) chloromethane | 4.52 | 50 | 408206 | 91.33 | ppb | 93 |
| 7) vinyl chloride | 4.78 | 62 | 329415 | 94.36 | ppb | 94 |
| 8) bromomethane | 5.30 | 96 | 205178 | 92.40 | ppb | 93 |
| 9) chloroethane | 5.47 | 64 | 195658 | 95.03 | ppb | 96 |
| 10) ethyl ether | 6.39 | 59 | 176337 | 104.20 | ppb | 88 |
| 11) acetonitrile | 6.03 | 41 | 49433 | 111.54 | ppb | # 23 |
| 12) trichlorofluoromethane | 6.13 | 101 | 434530 | 93.90 | ppb | 98 |
| 13) freon-113 | 6.93 | 101 | 289469 | 93.96 | ppb | 99 |
| 14) acrolein | 6.12 | 56 | 33814 | 483.85 | ppb | 85 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 250360 | 94.48 | ppb | 95 |
| 16) acetone | 6.26 | 43 | 49296 | 80.63 | ppb | 91 |
| 17) Methyl Acetate | 6.93 | 43 | 210255 | 98.30 | ppb | 94 |
| 18) methylene chloride | 6.88 | 84 | 284823 | 97.78 | ppb | 94 |
| 19) methyl tert butyl ether | 7.69 | 73 | 446093 | 103.25 | ppb | 99 |
| 20) acrylonitrile | 6.79 | 53 | 50365 | 486.62 | ppb | 86 |
| 21) allyl chloride | 6.98 | 41 | 619402 | 99.09 | ppb | 95 |
| 22) trans-1,2-dichloroethene | 7.59 | 96 | 289312 | 94.60 | ppb | 99 |
| 23) iodomethane | 6.79 | 142 | 486467 | 97.76 | ppb | 99 |
| 24) carbon disulfide | 7.16 | 76 | 1008538 | 95.66 | ppb | 99 |
| 25) propionitrile | 6.78 | 54 | 2212 | 117.55 | ppb | 100 |
| 26) vinyl acetate | 7.96 | 43 | 448432 | 107.09 | ppb | 100 |
| 27) chloroprene | 8.22 | 53 | 496016 | 100.40 | ppb | 98 |
| 28) di-isopropyl ether | 8.27 | 45 | 1123598 | 99.06 | ppb | 99 |
| 29) methacrylonitrile | 8.38 | 41 | 109931 | 104.99 | ppb | 89 |
| 30) 2-butanone | 8.29 | 72 | 12645 | 95.22 | ppb | # 1 |
| 31) Hexane | 8.25 | 41 | 610607 | 94.78 | ppb | 99 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 554969 | 96.29 | ppb | 100 |
| 33) tert-butyl ethyl ether | 8.67 | 59 | 670240 | 104.82 | ppb | 99 |
| 34) isobutyl alcohol | 8.67 | 43 | 109811 | 441.96 | ppb | 86 |
| 35) 2,2-dichloropropane | 8.72 | 77 | 349376 | 89.66 | ppb | 98 |
| 36) cis-1,2-dichloroethene | 8.43 | 96 | 307042 | 99.17 | ppb | 95 |
| 37) bromochloromethane | 8.60 | 128 | 122509 | 100.38 | ppb | 96 |

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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56202.D
 Acq On : 20 Oct 2011 3:08 pm
 Sample : ic2266-100
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:41 2011

Vial: 10
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:41:13 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 38) chloroform | 8.64 | 83 | 496371 | 97.95 | ppb | 99 |
| 40) Tetrahydrofuran | 8.99 | 42 | 41156 | 119.41 | ppb | 87 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 416055 | 95.98 | ppb | 98 |
| 43) Cyclohexane | 9.68 | 56 | 574992 | 97.68 | ppb | 98 |
| 44) carbon tetrachloride | 9.77 | 117 | 357181 | 95.98 | ppb | 96 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 394531 | 97.67 | ppb | 96 |
| 46) benzene | 9.80 | 78 | 1116415 | 95.87 | ppb | 96 |
| 47) 1,2-dichloroethane | 9.30 | 62 | 274973 | 98.20 | ppb | 96 |
| 48) tert-amyl methyl ether | 9.93 | 73 | 472729 | 108.75 | ppb | 97 |
| 49) heptane | 10.29 | 43 | 511078 | 97.62 | ppb | 97 |
| 50) trichloroethene | 10.43 | 95 | 288710 | 99.99 | ppb | 98 |
| 51) 1,2-dichloropropane | 10.40 | 63 | 281955 | 98.22 | ppb | 100 |
| 52) dibromomethane | 10.37 | 93 | 123413 | 98.76 | ppb | 97 |
| 53) bromodichloromethane | 10.48 | 83 | 325044 | 98.80 | ppb | 93 |
| 54) Methylcyclohexane | 10.95 | 83 | 475182 | 98.29 | ppb | 95 |
| 55) 2-chloroethyl vinyl ether | 10.87 | 63 | 8599 | 32.54 | ppb | 82 |
| 56) methyl methacrylate | 10.59 | 69 | 84327 | 114.28 | ppb | 91 |
| 57) 1,4-dioxane | 10.58 | 88 | 5544 | 450.88 | ppb | 89 |
| 58) cis-1,3-dichloropropene | 11.11 | 75 | 375550 | 103.63 | ppb | 98 |
| 60) 4-methyl-2-pentanone | 11.21 | 43 | 139129 | 115.46 | ppb | 98 |
| 61) toluene | 11.88 | 92 | 685610 | 101.06 | ppb | 98 |
| 62) trans-1,3-dichloropropene | 11.53 | 75 | 259026 | 103.56 | ppb | 95 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 131435 | 99.58 | ppb | 98 |
| 64) ethyl methacrylate | 11.91 | 69 | 202209 | 112.66 | ppb | 90 |
| 66) tetrachloroethene | 12.62 | 166 | 294278 | 98.48 | ppb | 96 |
| 67) 1,3-dichloropropane | 11.93 | 76 | 270764 | 98.86 | ppb | 99 |
| 68) dibromochloromethane | 12.23 | 129 | 192473 | 103.89 | ppb | 100 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 152827 | 102.35 | ppb | 96 |
| 70) 2-hexanone | 12.08 | 43 | 82756 | 110.61 | ppb | 97 |
| 71) chlorobenzene | 13.31 | 112 | 707381 | 100.53 | ppb | 99 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 233243 | 99.33 | ppb | 95 |
| 73) ethylbenzene | 13.47 | 91 | 1248944 | 102.11 | ppb | 100 |
| 74) m,p-xylene | 13.66 | 106 | 972486 | 202.48 | ppb | 98 |
| 75) o-xylene | 14.07 | 106 | 451498 | 100.64 | ppb | 96 |
| 76) styrene | 14.00 | 104 | 691219 | 105.88 | ppb | 94 |
| 77) bromoform | 13.83 | 173 | 96648 | 101.47 | ppb | 98 |
| 78) trans-1,4-dichloro-2-buten | 14.22 | 53 | 41041 | 102.03 | ppb | 93 |
| 80) isopropylbenzene | 14.44 | 105 | 1010250 | 104.00 | ppb | 99 |
| 82) bromobenzene | 14.72 | 156 | 260873 | 104.05 | ppb | 97 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 150735 | 101.31 | ppb | 91 |
| 84) 1,2,3-trichloropropane | 14.22 | 75 | 157664 | 106.07 | ppb | 97 |
| 85) n-propylbenzene | 14.88 | 91 | 1340918 | 104.36 | ppb | 100 |
| 86) 2-chlorotoluene | 15.00 | 91 | 806935 | 103.10 | ppb | 98 |
| 87) 4-chlorotoluene | 15.08 | 91 | 833592 | 104.82 | ppb | 99 |
| 88) 1,3,5-trimethylbenzene | 15.15 | 105 | 948001 | 104.68 | ppb | 99 |
| 89) tert-butylbenzene | 15.46 | 91 | 492865 | 103.10 | ppb | 92 |
| 90) 1,2,4-trimethylbenzene | 15.56 | 105 | 919838 | 105.64 | ppb | 100 |
| 91) sec-butylbenzene | 15.68 | 105 | 1098976 | 99.39 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.78 | 146 | 480667 | 101.71 | ppb | 99 |

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

E56202.D E102011M.M

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56202.D Vial: 10
 Acq On : 20 Oct 2011 3:08 pm Operator: garyk
 Sample : ic2266-100 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:41 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:41:13 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) p-isopropyltoluene | 15.85 | 119 | 858497 | 101.70 | ppb | 99 |
| 94) 1,4-dichlorobenzene | 15.85 | 146 | 502916 | 100.58 | ppb | 96 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 396112 | 103.50 | ppb | 97 |
| 96) n-butylbenzene | 16.26 | 91 | 841087 | 101.89 | ppb | 99 |
| 97) 1,2-dibromo-3-chloropropan | 16.69 | 75 | 20323 | 108.23 | ppb | 89 |
| 98) 1,3,5-trichlorobenzene | 17.51 | 180 | 287605 | 103.40 | ppb | 98 |
| 99) 1,2,4-trichlorobenzene | 18.09 | 180 | 196655 | 110.49 | ppb | 98 |
| 100) hexachlorobutadiene | 18.41 | 225 | 119638 | 88.91 | ppb | 95 |
| 101) naphthalene | 18.38 | 128 | 297564 | 128.47 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 145479 | 113.19 | ppb | 96 |
| 103) 2-methylnaphthalene | 19.90 | 142 | 83825 | 63.53 | ug/L | 98 |

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

E56202.D E102011M.M Thu Oct 20 15:43:04 2011 LPT1

Page 3

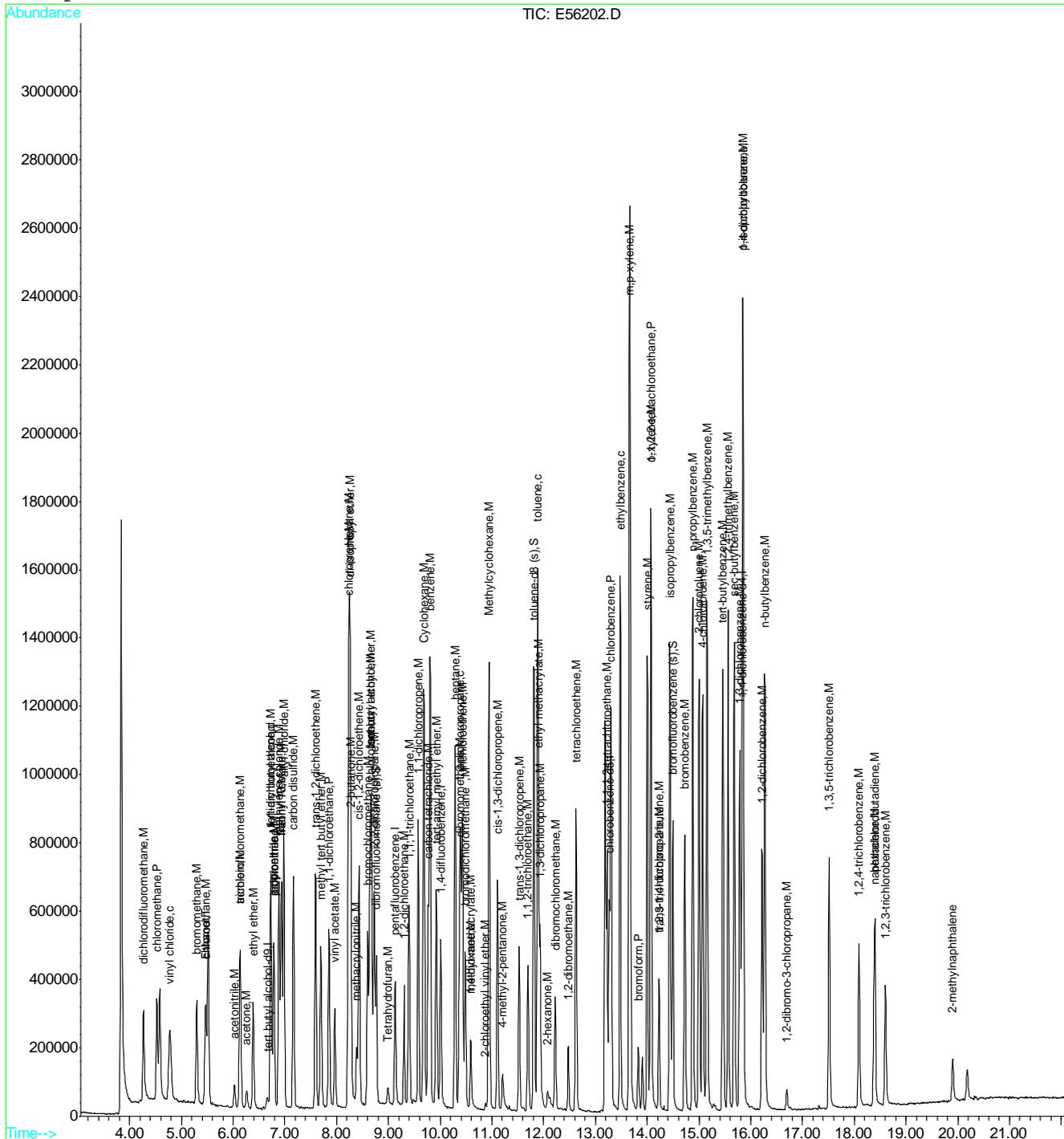
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56202.D
 Acq On : 20 Oct 2011 3:08 pm
 Sample : ic2266-100
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:41 2011

Vial: 10
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:41:13 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56203.D
 Acq On : 20 Oct 2011 3:37 pm
 Sample : ic2266-200
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:55 2011

Vial: 11
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:45:57 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.65 | 65 | 42405 | 500.00 | ppb | 0.00 |
| 4) pentafluorobenzene | 9.13 | 168 | 260971 | 50.00 | ppb | 0.00 |
| 42) 1,4-difluorobenzene | 10.00 | 114 | 408309 | 50.00 | ppb | 0.00 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 212783 | 50.00 | ppb | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.82 | 152 | 157606 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|----------|
| 39) dibromofluoromethane (s) | 8.77 | 113 | 521486 | 170.52 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 341.04%# |
| 59) toluene-d8 (s) | 11.81 | 98 | 1779110 | 191.55 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 383.10%# |
| 81) bromofluorobenzene (s) | 14.49 | 95 | 633435 | 194.19 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 388.38%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|----------|-------|--------|
| 2) tertiary butyl alcohol | 6.73 | 59 | 230741 | 1965.34 | ppb | 91 |
| 3) Ethanol | 5.48 | 45 | 369274 | 19049.84 | ppb | 97 |
| 5) dichlorodifluoromethane | 4.26 | 85 | 631331 | 192.32 | ppb | 97 |
| 6) chloromethane | 4.52 | 50 | 799122 | 188.96 | ppb | 93 |
| 7) vinyl chloride | 4.76 | 62 | 625051 | 186.94 | ppb | 94 |
| 8) bromomethane | 5.29 | 96 | 398790 | 181.95 | ppb | 89 |
| 9) chloroethane | 5.46 | 64 | 388232 | 191.58 | ppb | 99 |
| 10) ethyl ether | 6.38 | 59 | 348259 | 207.68 | ppb | 90 |
| 11) acetonitrile | 6.03 | 41 | 100378 | 211.78 | ppb | # 29 |
| 12) trichlorofluoromethane | 6.13 | 101 | 835751 | 194.19 | ppb | 98 |
| 13) freon-113 | 6.93 | 101 | 559351 | 194.19 | ppb | 98 |
| 14) acrolein | 6.12 | 56 | 67874 | 988.18 | ppb | 85 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 488554 | 191.63 | ppb | 97 |
| 16) acetone | 6.26 | 43 | 84670 | 181.04 | ppb | 94 |
| 17) Methyl Acetate | 6.92 | 43 | 405078 | 186.48 | ppb | 96 |
| 18) methylene chloride | 6.89 | 84 | 535177 | 189.60 | ppb | 98 |
| 19) methyl tert butyl ether | 7.69 | 73 | 902984 | 221.32 | ppb | 97 |
| 20) acrylonitrile | 6.79 | 53 | 95050 | 922.23 | ppb | 93 |
| 21) allyl chloride | 6.98 | 41 | 1210331 | 200.07 | ppb | 98 |
| 22) trans-1,2-dichloroethene | 7.59 | 96 | 559734 | 187.54 | ppb | 95 |
| 23) iodomethane | 6.79 | 142 | 947934 | 194.85 | ppb | 98 |
| 24) carbon disulfide | 7.16 | 76 | 1974080 | 195.28 | ppb | 100 |
| 25) propionitrile | 6.78 | 54 | 3908 | 202.63 | ppb | 100 |
| 26) vinyl acetate | 7.96 | 43 | 883607 | 214.12 | ppb | 99 |
| 27) chloroprene | 8.22 | 53 | 962031 | 207.93 | ppb | 96 |
| 28) di-isopropyl ether | 8.27 | 45 | 2277962 | 215.05 | ppb | 95 |
| 29) methacrylonitrile | 8.38 | 41 | 213500 | 193.97 | ppb | 96 |
| 30) 2-butanone | 8.29 | 72 | 24637 | 200.35 | ppb | # 1 |
| 31) Hexane | 8.24 | 41 | 1179906 | 196.00 | ppb | 97 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 1083659 | 198.20 | ppb | 99 |
| 33) tert-butyl ethyl ether | 8.66 | 59 | 1348735 | 222.00 | ppb | 99 |
| 34) isobutyl alcohol | 8.66 | 43 | 216232 | 861.99 | ppb | 97 |
| 35) 2,2-dichloropropane | 8.72 | 77 | 694936 | 190.51 | ppb | 99 |
| 36) cis-1,2-dichloroethene | 8.43 | 96 | 583081 | 197.69 | ppb | 97 |
| 37) bromochloromethane | 8.60 | 128 | 233614 | 197.59 | ppb | 96 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56203.D
 Acq On : 20 Oct 2011 3:37 pm
 Sample : ic2266-200
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:55 2011

Vial: 11
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:45:57 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 38) chloroform | 8.64 | 83 | 975417 | 202.17 | ppb | 98 |
| 40) Tetrahydrofuran | 8.98 | 42 | 79046 | 199.21 | ppb | 88 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 798091 | 192.74 | ppb | 95 |
| 43) Cyclohexane | 9.68 | 56 | 1125409 | 202.76 | ppb | 97 |
| 44) carbon tetrachloride | 9.77 | 117 | 695401 | 198.96 | ppb | 99 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 778751 | 203.20 | ppb | 97 |
| 46) benzene | 9.80 | 78 | 2203103 | 198.48 | ppb | 98 |
| 47) 1,2-dichloroethane | 9.30 | 62 | 529869 | 196.82 | ppb | 97 |
| 48) tert-amyl methyl ether | 9.92 | 73 | 945727 | 226.90 | ppb | 98 |
| 49) heptane | 10.28 | 43 | 984221 | 199.95 | ppb | 95 |
| 50) trichloroethene | 10.43 | 95 | 572691 | 203.19 | ppb | 98 |
| 51) 1,2-dichloropropane | 10.39 | 63 | 545645 | 191.98 | ppb | 99 |
| 52) dibromomethane | 10.37 | 93 | 233782 | 191.00 | ppb | 95 |
| 53) bromodichloromethane | 10.49 | 83 | 647305 | 210.24 | ppb | 97 |
| 54) Methylcyclohexane | 10.94 | 83 | 925583 | 203.19 | ppb | 96 |
| 55) 2-chloroethyl vinyl ether | 10.86 | 63 | 37678 | 188.26 | ppb | 95 |
| 56) methyl methacrylate | 10.58 | 69 | 167631 | 236.86 | ppb | 98 |
| 57) 1,4-dioxane | 10.59 | 88 | 10746 | 924.82 | ppb | 80 |
| 58) cis-1,3-dichloropropene | 11.10 | 75 | 740349 | 211.55 | ppb | 99 |
| 60) 4-methyl-2-pentanone | 11.20 | 43 | 270460 | 194.42 | ppb | 93 |
| 61) toluene | 11.88 | 92 | 1327928 | 208.55 | ppb | 99 |
| 62) trans-1,3-dichloropropene | 11.52 | 75 | 507337 | 214.96 | ppb | 93 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 260005 | 202.49 | ppb | 97 |
| 64) ethyl methacrylate | 11.90 | 69 | 371778 | 224.66 | ppb | 92 |
| 66) tetrachloroethene | 12.62 | 166 | 570438 | 184.97 | ppb | 95 |
| 67) 1,3-dichloropropane | 11.93 | 76 | 529359 | 188.49 | ppb | 97 |
| 68) dibromochloromethane | 12.22 | 129 | 379054 | 196.03 | ppb | 93 |
| 69) 1,2-dibromoethane | 12.47 | 107 | 293024 | 183.66 | ppb | 99 |
| 70) 2-hexanone | 12.06 | 43 | 172534 | 196.00 | ppb | 97 |
| 71) chlorobenzene | 13.30 | 112 | 1378439 | 188.66 | ppb | 97 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 456186 | 186.94 | ppb | 95 |
| 73) ethylbenzene | 13.48 | 91 | 2449499 | 196.50 | ppb | 99 |
| 74) m,p-xylene | 13.66 | 106 | 1847354 | 382.18 | ppb | 97 |
| 75) o-xylene | 14.08 | 106 | 893112 | 197.94 | ppb | 98 |
| 76) styrene | 14.00 | 104 | 1373714 | 207.46 | ppb | 93 |
| 77) bromoform | 13.83 | 173 | 195564 | 197.32 | ppb | 95 |
| 78) trans-1,4-dichloro-2-buten | 14.22 | 53 | 78947 | 182.03 | ppb | 92 |
| 80) isopropylbenzene | 14.43 | 105 | 1960826 | 214.18 | ppb | 100 |
| 82) bromobenzene | 14.73 | 156 | 502559 | 205.79 | ppb | 96 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 289141 | 201.13 | ppb | 100 |
| 84) 1,2,3-trichloropropane | 14.22 | 75 | 306717 | 210.82 | ppb | 93 |
| 85) n-propylbenzene | 14.88 | 91 | 2574788 | 211.26 | ppb | 98 |
| 86) 2-chlorotoluene | 14.99 | 91 | 1589386 | 208.78 | ppb | 98 |
| 87) 4-chlorotoluene | 15.07 | 91 | 1591061 | 206.74 | ppb | 100 |
| 88) 1,3,5-trimethylbenzene | 15.16 | 105 | 1804803 | 208.51 | ppb | 99 |
| 89) tert-butylbenzene | 15.46 | 91 | 938769 | 206.91 | ppb | 99 |
| 90) 1,2,4-trimethylbenzene | 15.56 | 105 | 1733480 | 211.12 | ppb | 99 |
| 91) sec-butylbenzene | 15.68 | 105 | 2088539 | 203.78 | ppb | 98 |
| 92) 1,3-dichlorobenzene | 15.79 | 146 | 916829 | 199.52 | ppb | 99 |

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

E56203.D E102011M.M

Thu Oct 20 15:56:12 2011

LPT1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56203.D Vial: 11
 Acq On : 20 Oct 2011 3:37 pm Operator: garyk
 Sample : ic2266-200 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:55 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:45:57 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) p-isopropyltoluene | 15.85 | 119 | 1610159 | 199.32 | ppb | 99 |
| 94) 1,4-dichlorobenzene | 15.85 | 146 | 948548 | 195.11 | ppb | 96 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 765630 | 205.94 | ppb | 98 |
| 96) n-butylbenzene | 16.27 | 91 | 1566854 | 200.67 | ppb | 99 |
| 97) 1,2-dibromo-3-chloropropan | 16.70 | 75 | 38261 | 181.43 | ppb | 89 |
| 98) 1,3,5-trichlorobenzene | 17.52 | 180 | 532279 | 193.67 | ppb | 100 |
| 99) 1,2,4-trichlorobenzene | 18.09 | 180 | 386302 | 216.83 | ppb | 96 |
| 100) hexachlorobutadiene | 18.40 | 225 | 209329 | 145.27 | ppb | 93 |
| 101) naphthalene | 18.37 | 128 | 645571 | 270.81 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 283196 | 207.54 | ppb | 98 |
| 103) 2-methylnaphthalene | 19.90 | 142 | 159505 | 88.04 | ug/L | 99 |

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

E56203.D E102011M.M Thu Oct 20 15:56:12 2011 LPT1

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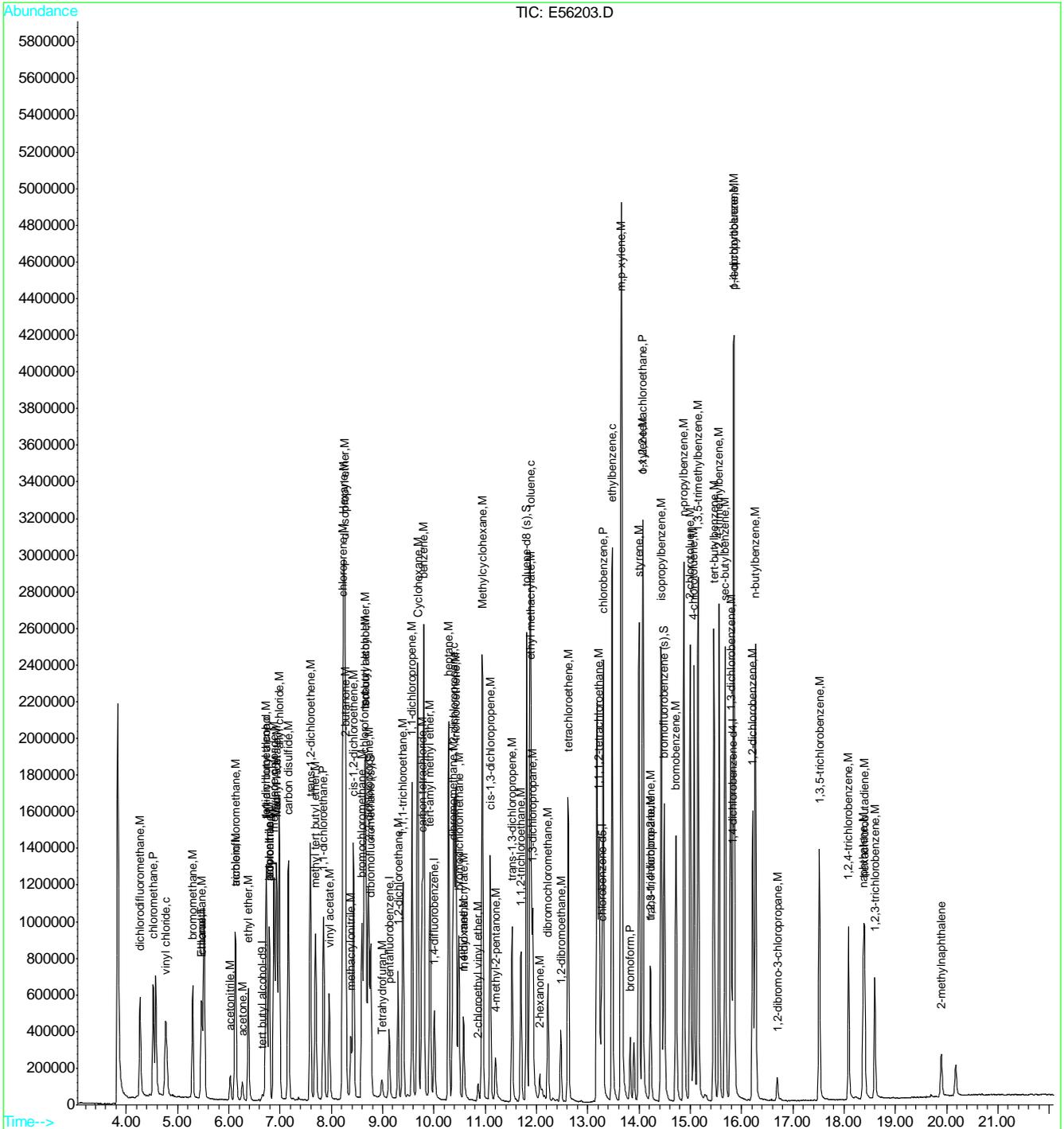
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56203.D
 Acq On : 20 Oct 2011 3:37 pm
 Sample : ic2266-200
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 15:55 2011

Vial: 11
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:45:57 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56204.D
 Acq On : 20 Oct 2011 4:02 pm
 Sample : ic2266-400
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 16:22 2011

Vial: 12
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)

Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:56:33 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.66 | 65 | 38702 | 500.00 | ppb | 0.00 |
| 4) pentafluorobenzene | 9.13 | 168 | 263415 | 50.00 | ppb | 0.00 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 404631 | 50.00 | ppb | 0.00 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 195045 | 50.00 | ppb | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.82 | 152 | 149265 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|----------|
| 39) dibromofluoromethane (s) | 8.77 | 113 | 1060601 | 347.24 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 694.48%# |
| 59) toluene-d8 (s) | 11.81 | 98 | 3626717 | 397.37 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 794.74%# |
| 81) bromofluorobenzene (s) | 14.49 | 95 | 1254361 | 408.40 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 816.80%# |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|----------|-------|--------|
| 2) tertiary butyl alcohol | 6.74 | 59 | 449435 | 4208.93 | ppb | 96 |
| 3) Ethanol | 5.48 | 45 | 693071 | 39550.34 | ppb | 99 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 1217289 | 370.23 | ppb | 97 |
| 6) chloromethane | 4.53 | 50 | 1611442 | 381.72 | ppb | 95 |
| 7) vinyl chloride | 4.77 | 62 | 1233026 | 370.19 | ppb | 95 |
| 8) bromomethane | 5.29 | 96 | 796205 | 366.52 | ppb | 91 |
| 9) chloroethane | 5.46 | 64 | 737265 | 363.50 | ppb | 96 |
| 10) ethyl ether | 6.38 | 59 | 686281 | 402.37 | ppb | 88 |
| 11) acetonitrile | 6.03 | 41 | 233098 | 481.57 | ppb | # 28 |
| 12) trichlorofluoromethane | 6.13 | 101 | 1652484 | 382.62 | ppb | 99 |
| 13) freon-113 | 6.93 | 101 | 1090599 | 377.30 | ppb | 97 |
| 14) acrolein | 6.12 | 56 | 134711 | 1947.67 | ppb | 92 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 938932 | 367.95 | ppb | 98 |
| 16) acetone | 6.26 | 43 | 168458 | 399.75 | ppb | 90 |
| 17) Methyl Acetate | 6.92 | 43 | 792676 | 366.48 | ppb | 93 |
| 18) methylene chloride | 6.88 | 84 | 1064651 | 377.61 | ppb | 93 |
| 19) methyl tert butyl ether | 7.69 | 73 | 1805261 | 429.21 | ppb | 100 |
| 20) acrylonitrile | 6.78 | 53 | 187046 | 1826.40 | ppb | 84 |
| 21) allyl chloride | 6.98 | 41 | 2395002 | 392.20 | ppb | 96 |
| 22) trans-1,2-dichloroethene | 7.60 | 96 | 1110404 | 373.24 | ppb | 92 |
| 23) iodomethane | 6.79 | 142 | 1876863 | 384.20 | ppb | 98 |
| 24) carbon disulfide | 7.17 | 76 | 3835900 | 377.71 | ppb | 99 |
| 25) propionitrile | 6.79 | 54 | 9081 | 464.96 | ppb | 100 |
| 26) vinyl acetate | 7.95 | 43 | 1827728 | 432.68 | ppb | 97 |
| 27) chloroprene | 8.22 | 53 | 1934561 | 411.00 | ppb | 96 |
| 28) di-isopropyl ether | 8.27 | 45 | 4478598 | 412.66 | ppb | 97 |
| 29) methacrylonitrile | 8.38 | 41 | 415849 | 376.58 | ppb | 93 |
| 30) 2-butanone | 8.28 | 72 | 61590 | 499.51 | ppb | # 1 |
| 31) Hexane | 8.24 | 41 | 2301414 | 380.28 | ppb | 98 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 2132656 | 387.13 | ppb | 99 |
| 33) tert-butyl ethyl ether | 8.67 | 59 | 2662544 | 424.84 | ppb | 99 |
| 34) isobutyl alcohol | 8.67 | 43 | 423642 | 1720.63 | ppb | 94 |
| 35) 2,2-dichloropropane | 8.73 | 77 | 1317070 | 361.13 | ppb | 99 |
| 36) cis-1,2-dichloroethene | 8.43 | 96 | 1151851 | 387.80 | ppb | 97 |
| 37) bromochloromethane | 8.60 | 128 | 460887 | 387.13 | ppb | 97 |

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

E56204.D E102011M.M

Thu Oct 20 16:23:47 2011

LPT1

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56204.D
 Acq On : 20 Oct 2011 4:02 pm
 Sample : ic2266-400
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 16:22 2011

Vial: 12
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:56:33 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|---------|------|--------|
| 38) chloroform | 8.64 | 83 | 1915314 | 392.44 | ppb | 98 |
| 40) Tetrahydrofuran | 8.98 | 42 | 156817 | 390.52 | ppb | 97 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 1573265 | 379.18 | ppb | 95 |
| 43) Cyclohexane | 9.69 | 56 | 2207808 | 400.29 | ppb | 96 |
| 44) carbon tetrachloride | 9.76 | 117 | 1363126 | 393.96 | ppb | 100 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 1544744 | 405.44 | ppb | 98 |
| 46) benzene | 9.80 | 78 | 4347726 | 395.85 | ppb | 96 |
| 47) 1,2-dichloroethane | 9.30 | 62 | 1042202 | 391.89 | ppb | 96 |
| 48) tert-amyl methyl ether | 9.92 | 73 | 1907600 | 449.73 | ppb | 97 |
| 49) heptane | 10.28 | 43 | 1921649 | 393.96 | ppb | 96 |
| 50) trichloroethene | 10.43 | 95 | 1116633 | 398.51 | ppb | 97 |
| 51) 1,2-dichloropropane | 10.39 | 63 | 1087277 | 389.14 | ppb | 98 |
| 52) dibromomethane | 10.37 | 93 | 468701 | 389.91 | ppb | 94 |
| 53) bromodichloromethane | 10.48 | 83 | 1273018 | 412.99 | ppb | 99 |
| 54) Methylcyclohexane | 10.94 | 83 | 1814738 | 400.73 | ppb | 97 |
| 55) 2-chloroethyl vinyl ether | 10.86 | 63 | 80445 | 411.65 | ppb | 97 |
| 56) methyl methacrylate | 10.58 | 69 | 346156 | 476.02 | ppb | 98 |
| 57) 1,4-dioxane | 10.58 | 88 | 22524 | 1993.55 | ppb | 98 |
| 58) cis-1,3-dichloropropene | 11.10 | 75 | 1471756 | 419.52 | ppb | 98 |
| 60) 4-methyl-2-pentanone | 11.19 | 43 | 536082 | 395.07 | ppb | 90 |
| 61) toluene | 11.88 | 92 | 2625848 | 412.61 | ppb | 98 |
| 62) trans-1,3-dichloropropene | 11.52 | 75 | 1045468 | 440.40 | ppb | 96 |
| 63) 1,1,2-trichloroethane | 11.69 | 83 | 488620 | 383.04 | ppb | 98 |
| 64) ethyl methacrylate | 11.89 | 69 | 745839 | 443.85 | ppb | 93 |
| 66) tetrachloroethene | 12.62 | 166 | 1096765 | 393.89 | ppb | 94 |
| 67) 1,3-dichloropropane | 11.93 | 76 | 1046853 | 411.38 | ppb | 97 |
| 68) dibromochloromethane | 12.22 | 129 | 758162 | 429.45 | ppb | 98 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 577608 | 401.51 | ppb | 98 |
| 70) 2-hexanone | 12.05 | 43 | 355090 | 443.25 | ppb | 99 |
| 71) chlorobenzene | 13.30 | 112 | 2658716 | 401.53 | ppb | 95 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 869478 | 393.85 | ppb | 95 |
| 73) ethylbenzene | 13.47 | 91 | 4709867 | 413.64 | ppb | 100 |
| 74) m,p-xylene | 13.66 | 106 | 3578287 | 814.86 | ppb | 97 |
| 75) o-xylene | 14.07 | 106 | 1717322 | 416.07 | ppb | 99 |
| 76) styrene | 14.00 | 104 | 2711276 | 443.39 | ppb | 93 |
| 77) bromoform | 13.82 | 173 | 383338 | 423.09 | ppb | 99 |
| 78) trans-1,4-dichloro-2-buten | 14.22 | 53 | 158718 | 434.17 | ppb | 91 |
| 80) isopropylbenzene | 14.43 | 105 | 3742327 | 425.58 | ppb | 98 |
| 82) bromobenzene | 14.73 | 156 | 983519 | 422.79 | ppb | 93 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 558377 | 409.66 | ppb | 96 |
| 84) 1,2,3-trichloropropane | 14.22 | 75 | 618850 | 444.32 | ppb | 96 |
| 85) n-propylbenzene | 14.88 | 91 | 4842751 | 414.87 | ppb | 100 |
| 86) 2-chlorotoluene | 15.00 | 91 | 3032397 | 416.93 | ppb | 99 |
| 87) 4-chlorotoluene | 15.07 | 91 | 3058895 | 416.88 | ppb | 99 |
| 88) 1,3,5-trimethylbenzene | 15.16 | 105 | 3330461 | 402.84 | ppb | 99 |
| 89) tert-butylbenzene | 15.46 | 91 | 1762479 | 407.35 | ppb | 98 |
| 90) 1,2,4-trimethylbenzene | 15.56 | 105 | 3278888 | 417.02 | ppb | 99 |
| 91) sec-butylbenzene | 15.68 | 105 | 3895624 | 399.83 | ppb | 99 |
| 92) 1,3-dichlorobenzene | 15.79 | 146 | 1764108 | 405.55 | ppb | 98 |

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

E56204.D E102011M.M

Thu Oct 20 16:23:48 2011

LPT1

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56204.D Vial: 12
 Acq On : 20 Oct 2011 4:02 pm Operator: garyk
 Sample : ic2266-400 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 16:22 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:56:33 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) p-isopropyltoluene | 15.85 | 119 | 2969001 | 388.33 | ppb | 97 |
| 94) 1,4-dichlorobenzene | 15.85 | 146 | 1756785 | 383.42 | ppb | 98 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 1479008 | 417.58 | ppb | 97 |
| 96) n-butylbenzene | 16.27 | 91 | 2848362 | 384.92 | ppb | 96 |
| 97) 1,2-dibromo-3-chloropropan | 16.69 | 75 | 78197 | 398.94 | ppb | 90 |
| 98) 1,3,5-trichlorobenzene | 17.52 | 180 | 978546 | 378.34 | ppb | 100 |
| 99) 1,2,4-trichlorobenzene | 18.09 | 180 | 732557 | 426.97 | ppb | 95 |
| 100) hexachlorobutadiene | 18.40 | 225 | 390186 | 302.47 | ppb | 100 |
| 101) naphthalene | 18.38 | 128 | 1272766 | 413.21 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 561051 | 430.89 | ppb | 98 |
| 103) 2-methylnaphthalene | 19.89 | 142 | 310340 | 204.09 | ug/L | 99 |

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

E56204.D E102011M.M Thu Oct 20 16:23:48 2011 LPT1

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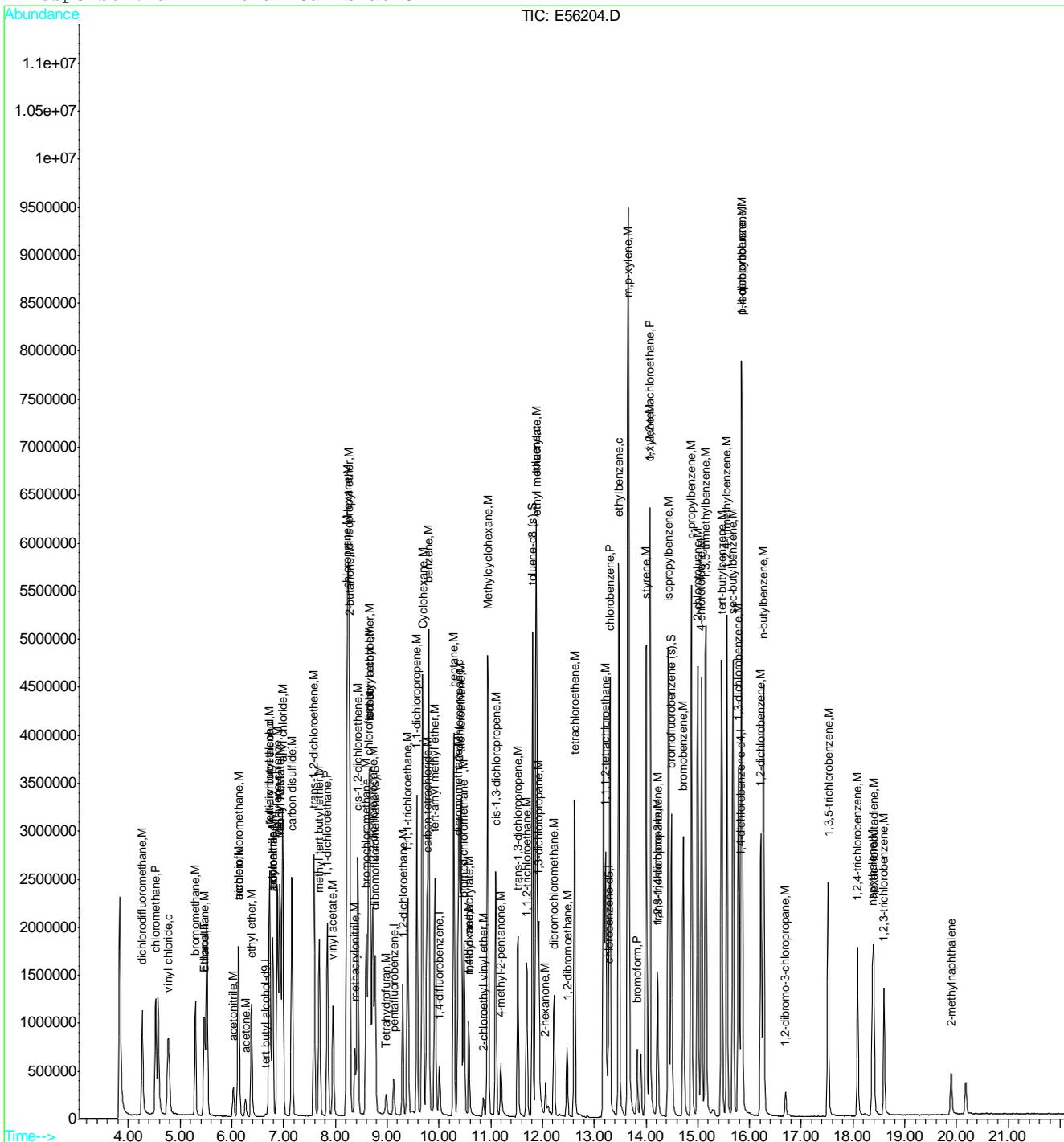
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56204.D
 Acq On : 20 Oct 2011 4:02 pm
 Sample : ic2266-400
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 16:22 2011

Vial: 12
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 15:56:33 2011
 Response via : Initial Calibration



9 8:9

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56206.D Vial: 14
 Acq On : 20 Oct 2011 4:58 pm Operator: garyk
 Sample : icv2266-50 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 17:59 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.65 | 65 | 35735 | 500.00 | ppb | 0.00 |
| 4) pentafluorobenzene | 9.13 | 168 | 263012 | 50.00 | ppb | 0.00 |
| 42) 1,4-difluorobenzene | 10.01 | 114 | 411703 | 50.00 | ppb | 0.00 |
| 65) chlorobenzene-d5 | 13.27 | 82 | 198582 | 50.00 | ppb | 0.00 |
| 79) 1,4-dichlorobenzene-d4 | 15.83 | 152 | 160798 | 50.00 | ppb | 0.00 |

System Monitoring Compounds

| | | | | | | |
|------------------------------|--------|-------|----------|----------|-----|--------|
| 39) dibromofluoromethane (s) | 8.76 | 113 | 125911 | 40.33 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 80.66% |
| 59) toluene-d8 (s) | 11.80 | 98 | 444228 | 47.28 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.56% |
| 81) bromofluorobenzene (s) | 14.49 | 95 | 157616 | 47.64 | ppb | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 95.28% |

Target Compounds

| | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 2) tertiary butyl alcohol | 6.74 | 59 | 61916 | 622.56 | ppb | 97 |
| 3) Ethanol | 5.47 | 45 | 99503 | 6161.16 | ppb | 95 |
| 5) dichlorodifluoromethane | 4.27 | 85 | 169239 | 50.55 | ppb | 95 |
| 6) chloromethane | 4.52 | 50 | 219111 | 52.38 | ppb | 93 |
| 7) vinyl chloride | 4.77 | 62 | 173500 | 50.86 | ppb | 100 |
| 8) bromomethane | 5.29 | 96 | 111011 | 49.48 | ppb | 99 |
| 9) chloroethane | 5.47 | 64 | 99668 | 48.63 | ppb | 93 |
| 10) ethyl ether | 6.38 | 59 | 88456 | 51.04 | ppb | 84 |
| 11) acetonitrile | 6.02 | 41 | 19929 | 39.88 | ppb | # 24 |
| 12) trichlorofluoromethane | 6.13 | 101 | 227927 | 51.60 | ppb | 98 |
| 13) freon-113 | 6.93 | 101 | 146344 | 50.59 | ppb | 96 |
| 14) acrolein | 6.12 | 56 | 16958 | 246.63 | ppb | 100 |
| 15) 1,1-dichloroethene | 6.73 | 96 | 126451 | 48.49 | ppb | 97 |
| 16) acetone | 6.27 | 43 | 26100 | 51.22 | ppb | 91 |
| 17) Methyl Acetate | 6.92 | 43 | 104804 | 49.22 | ppb | 96 |
| 18) methylene chloride | 6.88 | 84 | 142387 | 49.67 | ppb | 95 |
| 19) methyl tert butyl ether | 7.69 | 73 | 223862 | 52.62 | ppb | 99 |
| 20) acrylonitrile | 6.78 | 53 | 25203 | 238.67 | ppb | 80 |
| 21) allyl chloride | 6.98 | 41 | 308887 | 49.76 | ppb | 97 |
| 22) trans-1,2-dichloroethene | 7.59 | 96 | 154184 | 52.49 | ppb | 92 |
| 23) iodomethane | 6.79 | 142 | 248813 | 50.09 | ppb | 99 |
| 24) carbon disulfide | 7.16 | 76 | 508404 | 50.54 | ppb | 99 |
| 25) propionitrile | 6.78 | 54 | 1248 | 61.98 | ppb | 100 |
| 26) vinyl acetate | 7.96 | 43 | 223009 | 52.17 | ppb | 98 |
| 27) chloroprene | 8.22 | 53 | 249548 | 52.54 | ppb | 99 |
| 28) di-isopropyl ether | 8.26 | 45 | 576768 | 52.10 | ppb | 97 |
| 29) methacrylonitrile | 8.39 | 41 | 57663 | 50.80 | ppb | 95 |
| 30) 2-butanone | 8.30 | 72 | 7315 | 61.38 | ppb | # 1 |
| 31) Hexane | 8.24 | 41 | 308400 | 50.40 | ppb | 96 |
| 32) 1,1-dichloroethane | 7.85 | 63 | 283341 | 50.74 | ppb | 100 |
| 33) tert-butyl ethyl ether | 8.67 | 59 | 333905 | 52.99 | ppb | 99 |
| 34) isobutyl alcohol | 8.67 | 43 | 53878 | 238.41 | ppb | 93 |
| 35) 2,2-dichloropropane | 8.72 | 77 | 189031 | 50.86 | ppb | 99 |
| 36) cis-1,2-dichloroethene | 8.43 | 96 | 152425 | 50.69 | ppb | 99 |
| 37) bromochloromethane | 8.60 | 128 | 59671 | 49.44 | ppb | 95 |

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

E56206.D E102011M.M Fri Oct 21 10:19:08 2011 LPT1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56206.D
 Acq On : 20 Oct 2011 4:58 pm
 Sample : icv2266-50
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 17:59 2011

Vial: 14
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 38) chloroform | 8.64 | 83 | 252294 | 51.06 | ppb | 98 |
| 40) Tetrahydrofuran | 8.99 | 42 | 20795 | 53.16 | ppb | 79 |
| 41) 1,1,1-trichloroethane | 9.40 | 97 | 209755 | 50.54 | ppb | 94 |
| 43) Cyclohexane | 9.68 | 56 | 296082 | 52.85 | ppb | 96 |
| 44) carbon tetrachloride | 9.76 | 117 | 180047 | 49.88 | ppb | 99 |
| 45) 1,1-dichloropropene | 9.58 | 75 | 200129 | 50.45 | ppb | 98 |
| 46) benzene | 9.80 | 78 | 572916 | 50.46 | ppb | 96 |
| 47) 1,2-dichloroethane | 9.30 | 62 | 135781 | 48.99 | ppb | 98 |
| 48) tert-amyl methyl ether | 9.92 | 73 | 241694 | 55.18 | ppb | 94 |
| 49) heptane | 10.29 | 43 | 259604 | 51.87 | ppb | 95 |
| 50) trichloroethene | 10.43 | 95 | 141390 | 48.00 | ppb | 96 |
| 51) 1,2-dichloropropane | 10.40 | 63 | 146083 | 50.46 | ppb | 99 |
| 52) dibromomethane | 10.37 | 93 | 60278 | 49.23 | ppb | 99 |
| 53) bromodichloromethane | 10.48 | 83 | 160453 | 49.45 | ppb | 99 |
| 54) Methylcyclohexane | 10.94 | 83 | 244854 | 52.52 | ppb | 94 |
| 55) 2-chloroethyl vinyl ether | 10.88 | 63 | 10959 | 54.80 | ppb | 90 |
| 56) methyl methacrylate | 10.59 | 69 | 38442 | 48.67 | ppb | 84 |
| 57) 1,4-dioxane | 10.61 | 88 | 3344 | 291.07 | ppb # | 59 |
| 58) cis-1,3-dichloropropene | 11.10 | 75 | 188293 | 51.82 | ppb | 99 |
| 60) 4-methyl-2-pentanone | 11.21 | 43 | 68101 | 51.88 | ppb | 97 |
| 61) toluene | 11.88 | 92 | 345149 | 52.91 | ppb | 95 |
| 62) trans-1,3-dichloropropene | 11.53 | 75 | 131596 | 54.65 | ppb | 95 |
| 63) 1,1,2-trichloroethane | 11.70 | 83 | 63658 | 48.41 | ppb | 92 |
| 64) ethyl methacrylate | 11.91 | 69 | 97229 | 51.65 | ppb | 89 |
| 66) tetrachloroethene | 12.62 | 166 | 148154 | 50.94 | ppb | 96 |
| 67) 1,3-dichloropropane | 11.93 | 76 | 133425 | 50.31 | ppb | 100 |
| 68) dibromochloromethane | 12.23 | 129 | 93401 | 50.91 | ppb | 98 |
| 69) 1,2-dibromoethane | 12.48 | 107 | 74541 | 50.34 | ppb | 100 |
| 70) 2-hexanone | 12.09 | 43 | 36345 | 48.91 | ppb | 94 |
| 71) chlorobenzene | 13.30 | 112 | 354546 | 51.37 | ppb | 98 |
| 72) 1,1,1,2-tetrachloroethane | 13.22 | 131 | 116351 | 51.00 | ppb | 99 |
| 73) ethylbenzene | 13.47 | 91 | 626922 | 53.88 | ppb | 99 |
| 74) m,p-xylene | 13.66 | 106 | 485749 | 110.18 | ppb | 91 |
| 75) o-xylene | 14.07 | 106 | 231529 | 54.24 | ppb | 96 |
| 76) styrene | 14.00 | 104 | 346117 | 55.15 | ppb | 89 |
| 77) bromoform | 13.83 | 173 | 49030 | 51.72 | ppb | 99 |
| 78) trans-1,4-dichloro-2-buten | 14.22 | 53 | 20365 | 52.71 | ppb # | 76 |
| 80) isopropylbenzene | 14.43 | 105 | 519725 | 55.60 | ppb | 99 |
| 82) bromobenzene | 14.72 | 156 | 129779 | 51.16 | ppb | 97 |
| 83) 1,1,2,2-tetrachloroethane | 14.08 | 83 | 77136 | 51.36 | ppb | 99 |
| 84) 1,2,3-trichloropropane | 14.22 | 75 | 81495 | 52.89 | ppb | 93 |
| 85) n-propylbenzene | 14.88 | 91 | 696071 | 55.89 | ppb | 98 |
| 86) 2-chlorotoluene | 15.00 | 91 | 421849 | 54.01 | ppb | 100 |
| 87) 4-chlorotoluene | 15.08 | 91 | 432960 | 54.17 | ppb | 99 |
| 88) 1,3,5-trimethylbenzene | 15.15 | 105 | 484463 | 55.33 | ppb | 98 |
| 89) tert-butylbenzene | 15.45 | 91 | 254900 | 54.93 | ppb | 100 |
| 90) 1,2,4-trimethylbenzene | 15.56 | 105 | 470701 | 56.28 | ppb | 100 |
| 91) sec-butylbenzene | 15.68 | 105 | 592666 | 57.60 | ppb | 98 |
| 92) 1,3-dichlorobenzene | 15.78 | 146 | 245729 | 52.01 | ppb | 100 |

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

E56206.D E102011M.M Fri Oct 21 10:19:09 2011 LPT1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56206.D Vial: 14
 Acq On : 20 Oct 2011 4:58 pm Operator: garyk
 Sample : icv2266-50 Inst : MSE
 Misc : MS24161,MSE2266,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 17:59 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|------|--------|
| 93) p-isopropyltoluene | 15.85 | 119 | 463245 | 56.41 | ppb | 99 |
| 94) 1,4-dichlorobenzene | 15.85 | 146 | 254133 | 50.91 | ppb | 99 |
| 95) 1,2-dichlorobenzene | 16.22 | 146 | 204460 | 52.55 | ppb | 96 |
| 96) n-butylbenzene | 16.27 | 91 | 480494 | 60.98 | ppb | 98 |
| 97) 1,2-dibromo-3-chloropropan | 16.70 | 75 | 9718 | 49.27 | ppb | 82 |
| 98) 1,3,5-trichlorobenzene | 17.51 | 180 | 178738 | 62.61 | ppb | 99 |
| 99) 1,2,4-trichlorobenzene | 18.09 | 180 | 125689 | 67.25 | ppb | 100 |
| 100) hexachlorobutadiene | 18.40 | 225 | 94511 | 82.53 | ppb | 97 |
| 101) naphthalene | 18.38 | 128 | 161011 | 53.98 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.60 | 180 | 113345 | 79.78 | ppb | 99 |
| 103) 2-methylnaphthalene | 19.90 | 142 | 176600 | 106.65 | ug/L | 97 |

(#) = qualifier out of range (m) = manual integration
 E56206.D E102011M.M Fri Oct 21 10:19:09 2011 LPT1

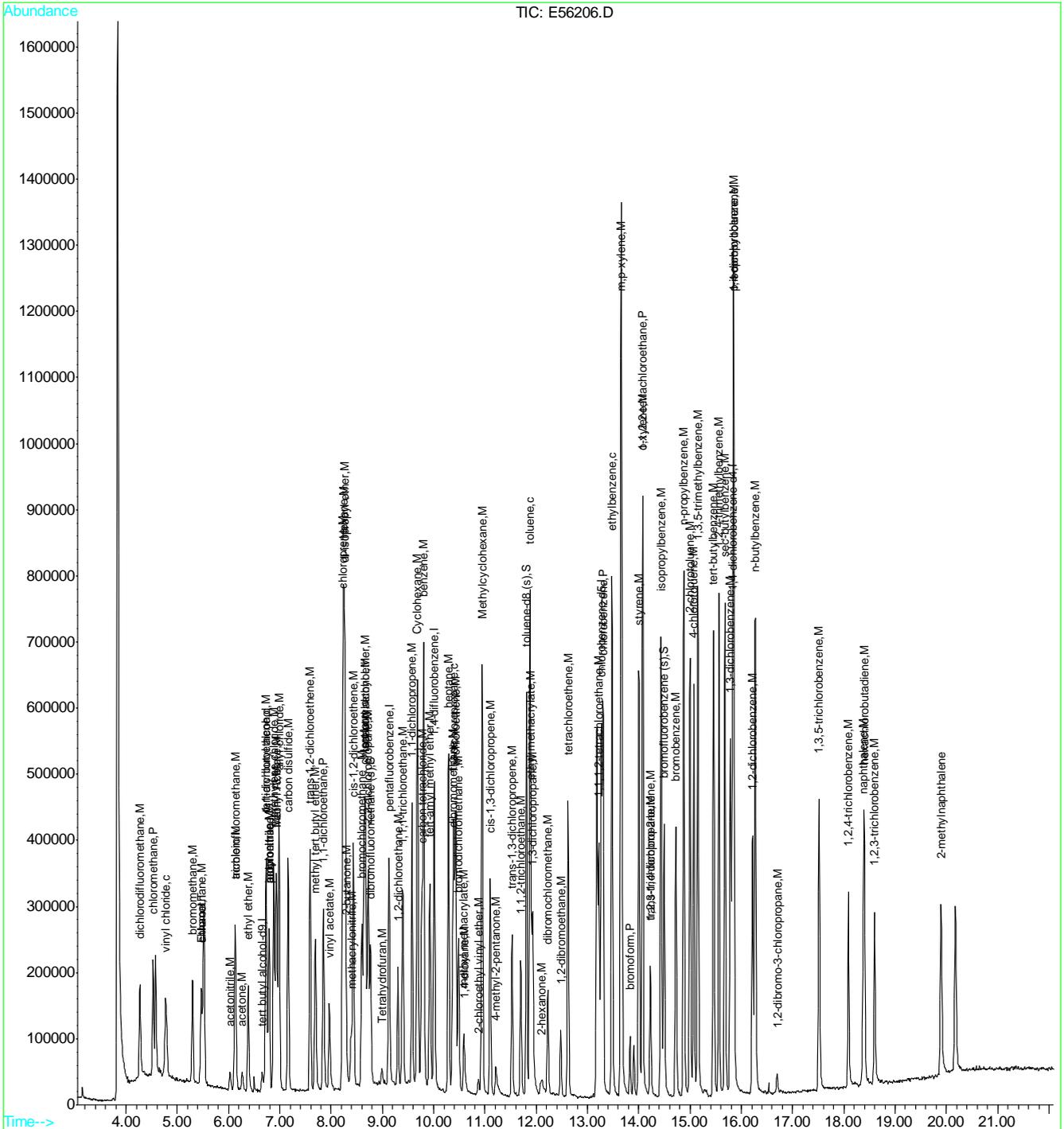
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56206.D
 Acq On : 20 Oct 2011 4:58 pm
 Sample : icv2266-50
 Misc : MS24161,MSE2266,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Oct 20 17:59 2011

Vial: 14
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56600.D Vial: 2
 Acq On : 4 Nov 2011 10:22 am Operator: garyk
 Sample : cc2266-50 Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 1) tert butyl alcohol-d9 | 6.62 | 65 | 37748 | 500.00 | ppb | -0.03 |
| 4) pentafluorobenzene | 9.10 | 168 | 223716 | 50.00 | ppb | -0.03 |
| 42) 1,4-difluorobenzene | 9.98 | 114 | 355644 | 50.00 | ppb | -0.03 |
| 65) chlorobenzene-d5 | 13.24 | 82 | 173001 | 50.00 | ppb | -0.02 |
| 79) 1,4-dichlorobenzene-d4 | 15.79 | 152 | 134590 | 50.00 | ppb | -0.03 |

| System Monitoring Compounds | | | | | | |
|------------------------------|--------|----------------|------------|---------|-----|-------|
| 39) dibromofluoromethane (s) | 8.73 | 113 | 115976 | 43.67 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 87.34% | | |
| 59) toluene-d8 (s) | 11.78 | 98 | 380194 | 46.85 | ppb | -0.02 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 93.70% | | |
| 81) bromofluorobenzene (s) | 14.46 | 95 | 143335 | 51.76 | ppb | -0.03 |
| Spiked Amount | 50.000 | Range 70 - 130 | Recovery = | 103.52% | | |

| Target Compounds | | | | | | Qvalue |
|------------------------------|------|-----|--------|---------|-----|--------|
| 2) tertiary butyl alcohol | 6.72 | 59 | 57887 | 551.01 | ppb | 99 |
| 3) Ethanol | 5.45 | 45 | 99927 | 5857.46 | ppb | 94 |
| 5) dichlorodifluoromethane | 4.24 | 85 | 135637 | 47.63 | ppb | 97 |
| 6) chloromethane | 4.50 | 50 | 188261 | 52.91 | ppb | 89 |
| 7) vinyl chloride | 4.75 | 62 | 154567 | 53.27 | ppb | 90 |
| 8) bromomethane | 5.27 | 96 | 94256 | 49.39 | ppb | 87 |
| 9) chloroethane | 5.44 | 64 | 87725 | 50.32 | ppb | 97 |
| 10) ethyl ether | 6.35 | 59 | 75481 | 51.21 | ppb | 86 |
| 11) acetonitrile | 6.00 | 41 | 20317 | 47.80 | ppb | # 19 |
| 12) trichlorofluoromethane | 6.10 | 101 | 185557 | 49.39 | ppb | 96 |
| 13) freon-113 | 6.90 | 101 | 120945 | 49.15 | ppb | 97 |
| 14) acrolein | 6.09 | 56 | 10312 | 176.32 | ppb | 94 |
| 15) 1,1-dichloroethene | 6.70 | 96 | 105229 | 47.44 | ppb | 98 |
| 16) acetone | 6.24 | 43 | 39168 | 100.18 | ppb | 96 |
| 17) Methyl Acetate | 6.89 | 43 | 97376 | 53.76 | ppb | # 92 |
| 18) methylene chloride | 6.85 | 84 | 125207 | 51.35 | ppb | 89 |
| 19) methyl tert butyl ether | 7.67 | 73 | 194981 | 53.88 | ppb | 99 |
| 20) acrylonitrile | 6.76 | 53 | 22299 | 248.27 | ppb | 99 |
| 21) allyl chloride | 6.95 | 41 | 269774 | 51.09 | ppb | 91 |
| 22) trans-1,2-dichloroethene | 7.57 | 96 | 124103 | 49.67 | ppb | 93 |
| 23) iodomethane | 6.76 | 142 | 200681 | 47.49 | ppb | 96 |
| 24) carbon disulfide | 7.14 | 76 | 389705 | 45.55 | ppb | 100 |
| 25) propionitrile | 6.77 | 54 | 901m | 52.61 | ppb | |
| 26) vinyl acetate | 7.94 | 43 | 186702 | 51.35 | ppb | 98 |
| 27) chloroprene | 8.20 | 53 | 208820 | 51.69 | ppb | 93 |
| 28) di-isopropyl ether | 8.24 | 45 | 516354 | 54.84 | ppb | 93 |
| 29) methacrylonitrile | 8.36 | 41 | 49114 | 50.87 | ppb | 97 |
| 30) 2-butanone | 8.27 | 72 | 8140 | 81.05 | ppb | # 1 |
| 31) Hexane | 8.22 | 41 | 254769 | 48.95 | ppb | 94 |
| 32) 1,1-dichloroethane | 7.82 | 63 | 244808 | 51.54 | ppb | 98 |
| 33) tert-butyl ethyl ether | 8.64 | 59 | 283182 | 52.84 | ppb | 100 |
| 34) isobutyl alcohol | 8.64 | 43 | 59175 | 312.87 | ppb | 98 |
| 35) 2,2-dichloropropane | 8.69 | 77 | 172127 | 54.45 | ppb | 95 |
| 36) cis-1,2-dichloroethene | 8.40 | 96 | 132751 | 51.90 | ppb | 95 |
| 37) bromochloromethane | 8.57 | 128 | 50156 | 48.85 | ppb | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : cc2266-50
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 38) chloroform | 8.61 | 83 | 222600 | 52.96 | ppb | 97 |
| 40) Tetrahydrofuran | 8.96 | 42 | 15136 | 45.53 | ppb | 94 |
| 41) 1,1,1-trichloroethane | 9.37 | 97 | 182485 | 51.70 | ppb | 97 |
| 43) Cyclohexane | 9.65 | 56 | 225443 | 46.59 | ppb | 97 |
| 44) carbon tetrachloride | 9.73 | 117 | 155592 | 49.90 | ppb | 100 |
| 45) 1,1-dichloropropene | 9.55 | 75 | 171657 | 50.09 | ppb | 96 |
| 46) benzene | 9.78 | 78 | 483992 | 49.35 | ppb | 100 |
| 47) 1,2-dichloroethane | 9.27 | 62 | 127378 | 53.20 | ppb | 93 |
| 48) tert-amyl methyl ether | 9.89 | 73 | 193595 | 51.17 | ppb | 96 |
| 49) heptane | 10.26 | 43 | 199857 | 46.22 | ppb | 93 |
| 50) trichloroethene | 10.40 | 95 | 121250 | 47.66 | ppb | 95 |
| 51) 1,2-dichloropropane | 10.37 | 63 | 126015 | 50.39 | ppb | 99 |
| 52) dibromomethane | 10.34 | 93 | 52303 | 49.45 | ppb | 92 |
| 53) bromodichloromethane | 10.45 | 83 | 139885 | 49.90 | ppb | 99 |
| 54) Methylcyclohexane | 10.91 | 83 | 180582 | 44.84 | ppb | 96 |
| 55) 2-chloroethyl vinyl ether | 10.84 | 63 | 9258 | 53.59 | ppb | 93 |
| 56) methyl methacrylate | 10.57 | 69 | 33971 | 49.67 | ppb | 93 |
| 57) 1,4-dioxane | 10.59 | 88 | 2668 | 268.84 | ppb # | 45 |
| 58) cis-1,3-dichloropropene | 11.07 | 75 | 160349 | 51.09 | ppb | 95 |
| 60) 4-methyl-2-pentanone | 11.18 | 43 | 58330 | 51.46 | ppb | 95 |
| 61) toluene | 11.85 | 92 | 278504 | 49.43 | ppb | 99 |
| 62) trans-1,3-dichloropropene | 11.50 | 75 | 111105 | 53.41 | ppb | 96 |
| 63) 1,1,2-trichloroethane | 11.67 | 83 | 55053 | 48.47 | ppb | 97 |
| 64) ethyl methacrylate | 11.88 | 69 | 80655 | 49.62 | ppb | 78 |
| 66) tetrachloroethene | 12.59 | 166 | 114416 | 45.16 | ppb | 97 |
| 67) 1,3-dichloropropane | 11.90 | 76 | 117078 | 50.67 | ppb | 100 |
| 68) dibromochloromethane | 12.20 | 129 | 82618 | 51.69 | ppb | 99 |
| 69) 1,2-dibromoethane | 12.45 | 107 | 64322 | 49.86 | ppb | 97 |
| 70) 2-hexanone | 12.06 | 43 | 46529 | 67.71 | ppb | 90 |
| 71) chlorobenzene | 13.27 | 112 | 290509 | 48.32 | ppb | 95 |
| 72) 1,1,1,2-tetrachloroethane | 13.19 | 131 | 102131 | 51.38 | ppb | 91 |
| 73) ethylbenzene | 13.45 | 91 | 512408 | 50.55 | ppb | 99 |
| 74) m,p-xylene | 13.63 | 106 | 397803 | 103.57 | ppb | 95 |
| 75) o-xylene | 14.04 | 106 | 190264 | 51.16 | ppb | 95 |
| 76) styrene | 13.97 | 104 | 281748 | 51.53 | ppb | 97 |
| 77) bromoform | 13.80 | 173 | 43177 | 52.28 | ppb | 99 |
| 78) trans-1,4-dichloro-2-buten | 14.19 | 53 | 17593 | 52.28 | ppb | 91 |
| 80) isopropylbenzene | 14.40 | 105 | 417211 | 53.32 | ppb | 99 |
| 82) bromobenzene | 14.70 | 156 | 106109 | 49.97 | ppb | 94 |
| 83) 1,1,2,2-tetrachloroethane | 14.05 | 83 | 70180 | 55.83 | ppb | 96 |
| 84) 1,2,3-trichloropropane | 14.19 | 75 | 71488 | 55.43 | ppb | 100 |
| 85) n-propylbenzene | 14.85 | 91 | 564664 | 54.16 | ppb | 95 |
| 86) 2-chlorotoluene | 14.97 | 91 | 365282 | 55.87 | ppb | 96 |
| 87) 4-chlorotoluene | 15.04 | 91 | 359165 | 53.68 | ppb | 97 |
| 88) 1,3,5-trimethylbenzene | 15.13 | 105 | 387162 | 52.83 | ppb | 100 |
| 89) tert-butylbenzene | 15.43 | 91 | 219923 | 56.62 | ppb | 93 |
| 90) 1,2,4-trimethylbenzene | 15.53 | 105 | 391617 | 55.94 | ppb | 96 |
| 91) sec-butylbenzene | 15.65 | 105 | 482489 | 56.02 | ppb | 97 |
| 92) 1,3-dichlorobenzene | 15.76 | 146 | 202363 | 51.17 | ppb | 99 |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\E56600.D Vial: 2
 Acq On : 4 Nov 2011 10:22 am Operator: garyk
 Sample : cc2266-50 Inst : MSE
 Misc : MS24295,MSE2276,10,,100,10,1 Multiplr: 1.00
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011 Quant Results File: E102011M.RES

Quant Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration
 DataAcq Meth : E8260

| Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|--------------------------------|-------|------|----------|-------|------|--------|
| 93) p-isopropyltoluene | 15.82 | 119 | 374790 | 54.53 | ppb | 96 |
| 94) 1,4-dichlorobenzene | 15.82 | 146 | 215032 | 51.47 | ppb | 99 |
| 95) 1,2-dichlorobenzene | 16.19 | 146 | 163405 | 50.18 | ppb | 96 |
| 96) n-butylbenzene | 16.24 | 91 | 368621 | 55.90 | ppb | 100 |
| 97) 1,2-dibromo-3-chloropropan | 16.67 | 75 | 9340 | 56.14 | ppb | 84 |
| 98) 1,3,5-trichlorobenzene | 17.49 | 180 | 122950 | 51.46 | ppb | 98 |
| 99) 1,2,4-trichlorobenzene | 18.06 | 180 | 85227 | 54.48 | ppb | 100 |
| 100) hexachlorobutadiene | 18.37 | 225 | 59567 | 59.91 | ppb | 96 |
| 101) naphthalene | 18.35 | 128 | 129366 | 52.12 | ppb | 100 |
| 102) 1,2,3-trichlorobenzene | 18.57 | 180 | 64817 | 54.51 | ppb | 89 |
| 103) 2-methylnaphthalene | 19.87 | 142 | 44539 | 33.05 | ug/L | 96 |

6.6.10
6

(#) = qualifier out of range (m) = manual integration
 E56600.D E102011M.M Fri Nov 04 11:10:07 2011 LPT1

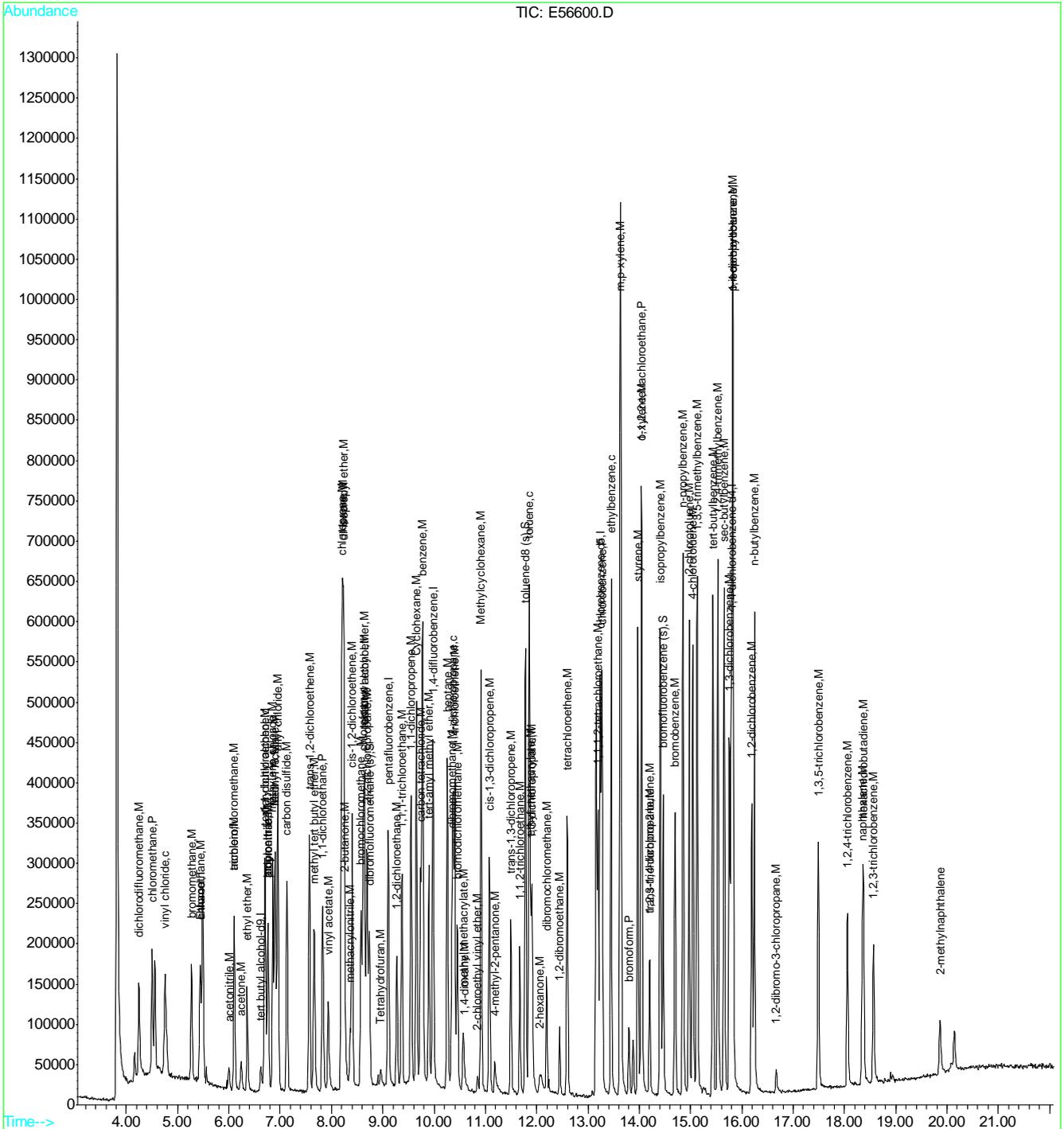
Quantitation Report

Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : cc2266-50
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00

Quant Results File: E102011M.RES

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

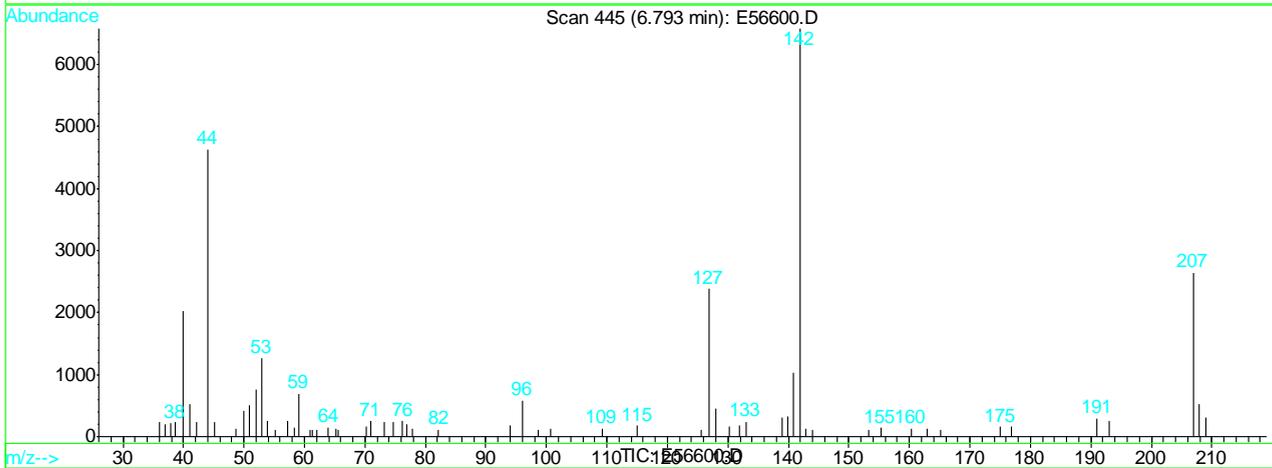
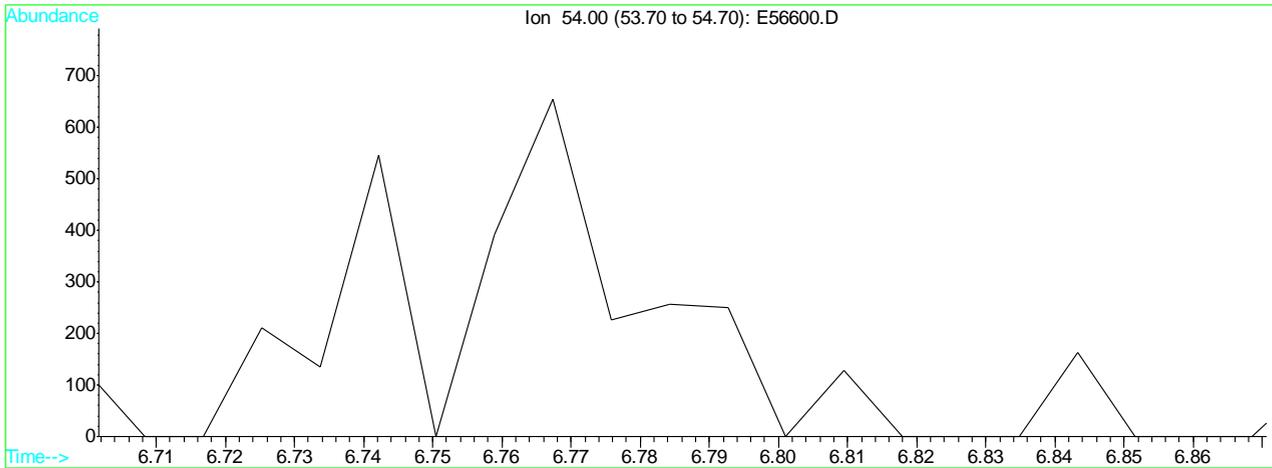
Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : bfb
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:06 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

6.6:10.1

6



(25) propionitrile (M)

6.79min 0.00ppb

response 0

| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

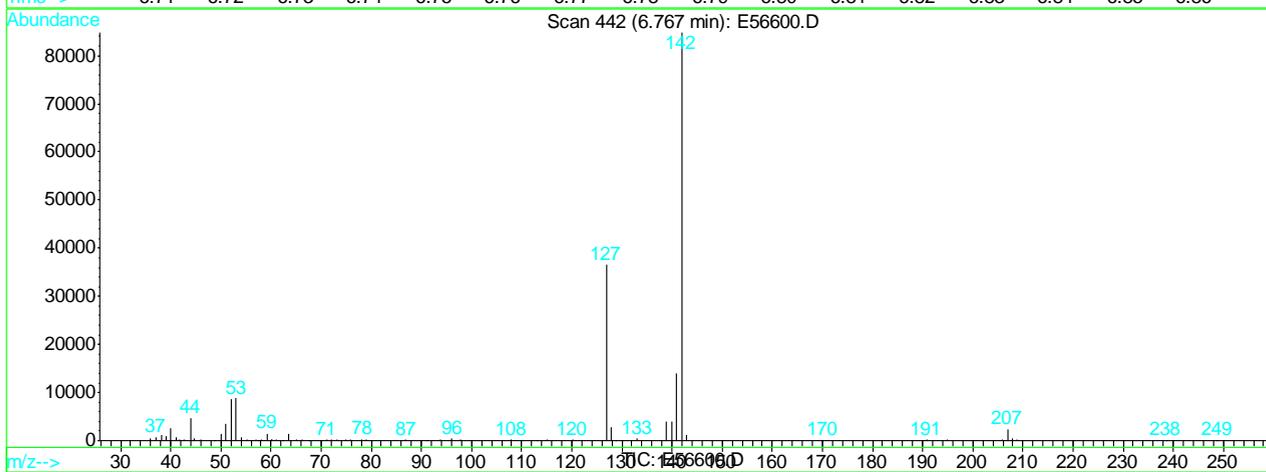
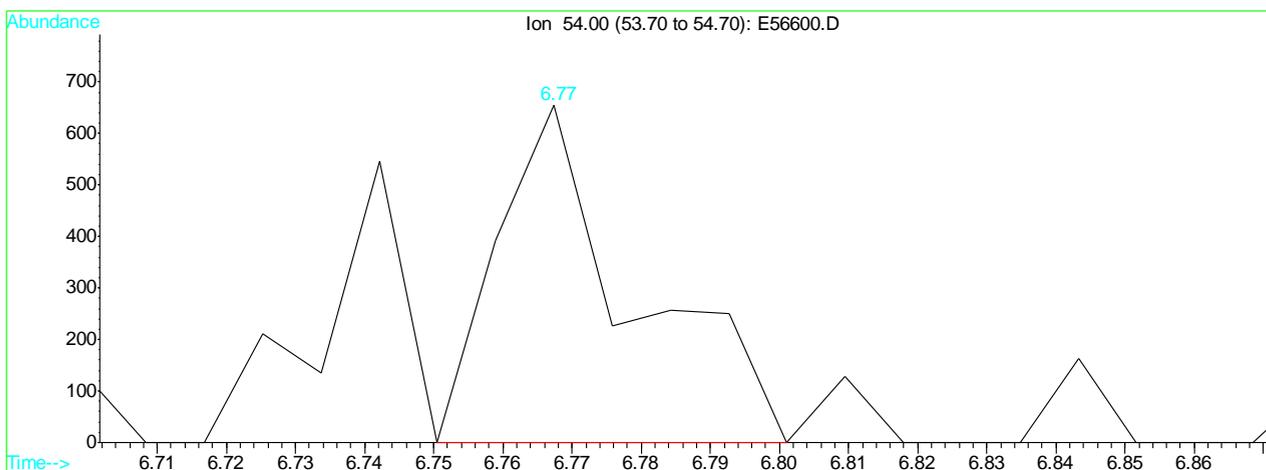
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\E56600.D
 Acq On : 4 Nov 2011 10:22 am
 Sample : bfb
 Misc : MS24295,MSE2276,10,,100,10,1
 MS Integration Params: RTEINT.P
 Quant Time: Nov 4 11:07 2011

Vial: 2
 Operator: garyk
 Inst : MSE
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\E102011M.M (RTE Integrator)
 Title : SW-846 Method 8260
 Last Update : Thu Oct 20 16:29:09 2011
 Response via : Multiple Level Calibration

6.6:10.2
 6



(25) propionitrile (M)
 6.77min 52.61ppb m
 response 901

| Ion | Exp% | Act% |
|-------|------|------|
| 54.00 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24256.D
 Acq On : 4 Nov 2011 3:24 pm
 Operator : danat
 Sample : ic899-0.25
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 16:03:29 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.663 | 65 | 40730 | 500.00 | ug/L | -0.04 |
| 4) pentafluorobenzene | 9.082 | 168 | 127976 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.952 | 114 | 191477 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.211 | 82 | 97100 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.770 | 152 | 90866 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 0.000 | 113 | 0 | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 60) toluene-d8 (s) | 0.000 | 98 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 82) bromofluorobenzene (s) | 0.000 | 95 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| Target Compounds | | | | | | |
| 42) 1,1,1-trichloroethane | 9.350 | 97 | 361 | 0.13 | ug/L # | 51 |
| 67) tetrachloroethene | 12.570 | 166 | 49m | 0.03 | ug/L | |

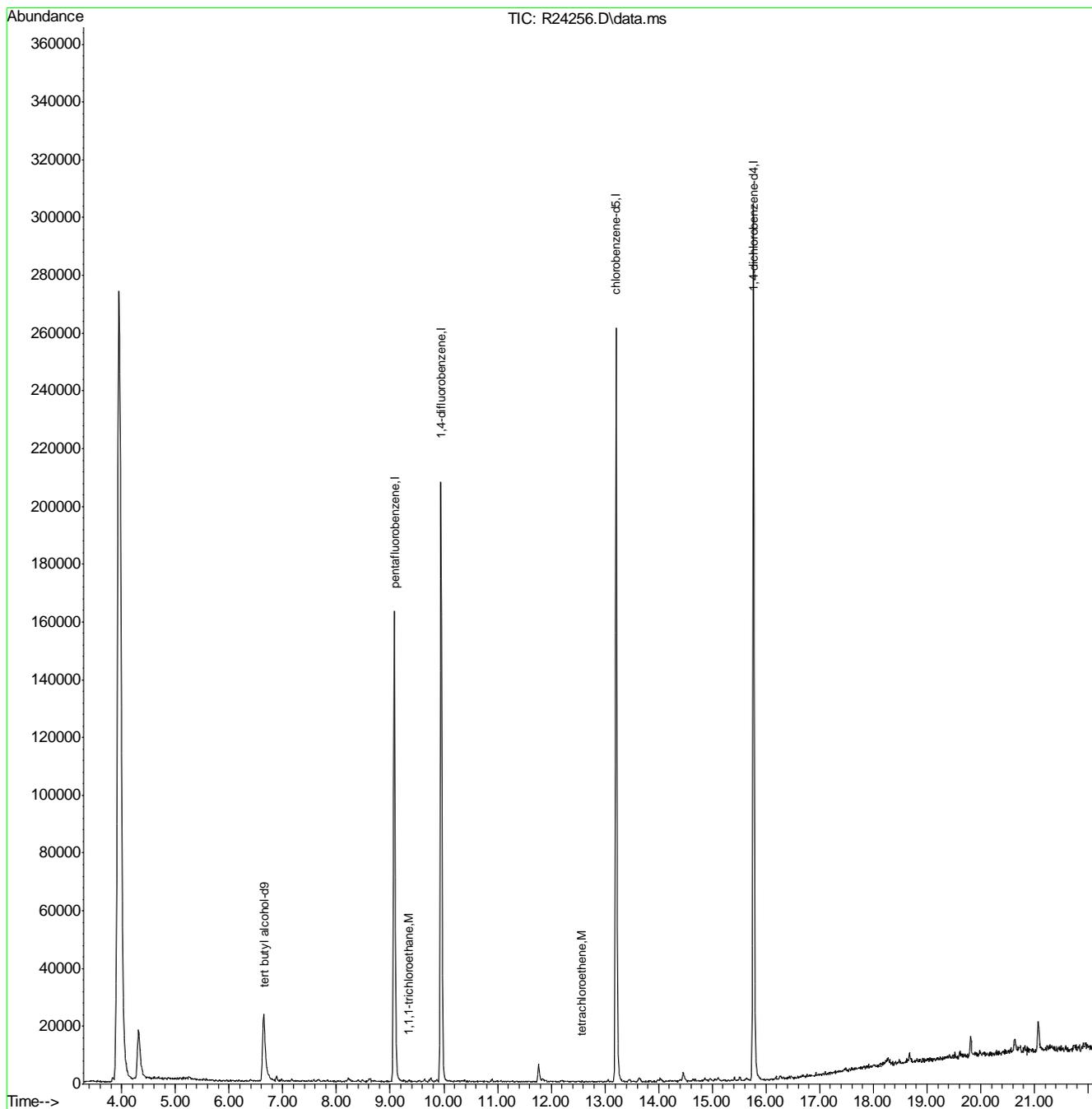
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.6.11
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24256.D
Acq On : 4 Nov 2011 3:24 pm
Operator : danat
Sample : ic899-0.25
Misc : MS24135,MSR899,5,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 16:03:29 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Nov 04 16:02:01 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24257.D
 Acq On : 4 Nov 2011 3:52 pm
 Operator : danat
 Sample : ic899-0.5
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 18:49:17 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration

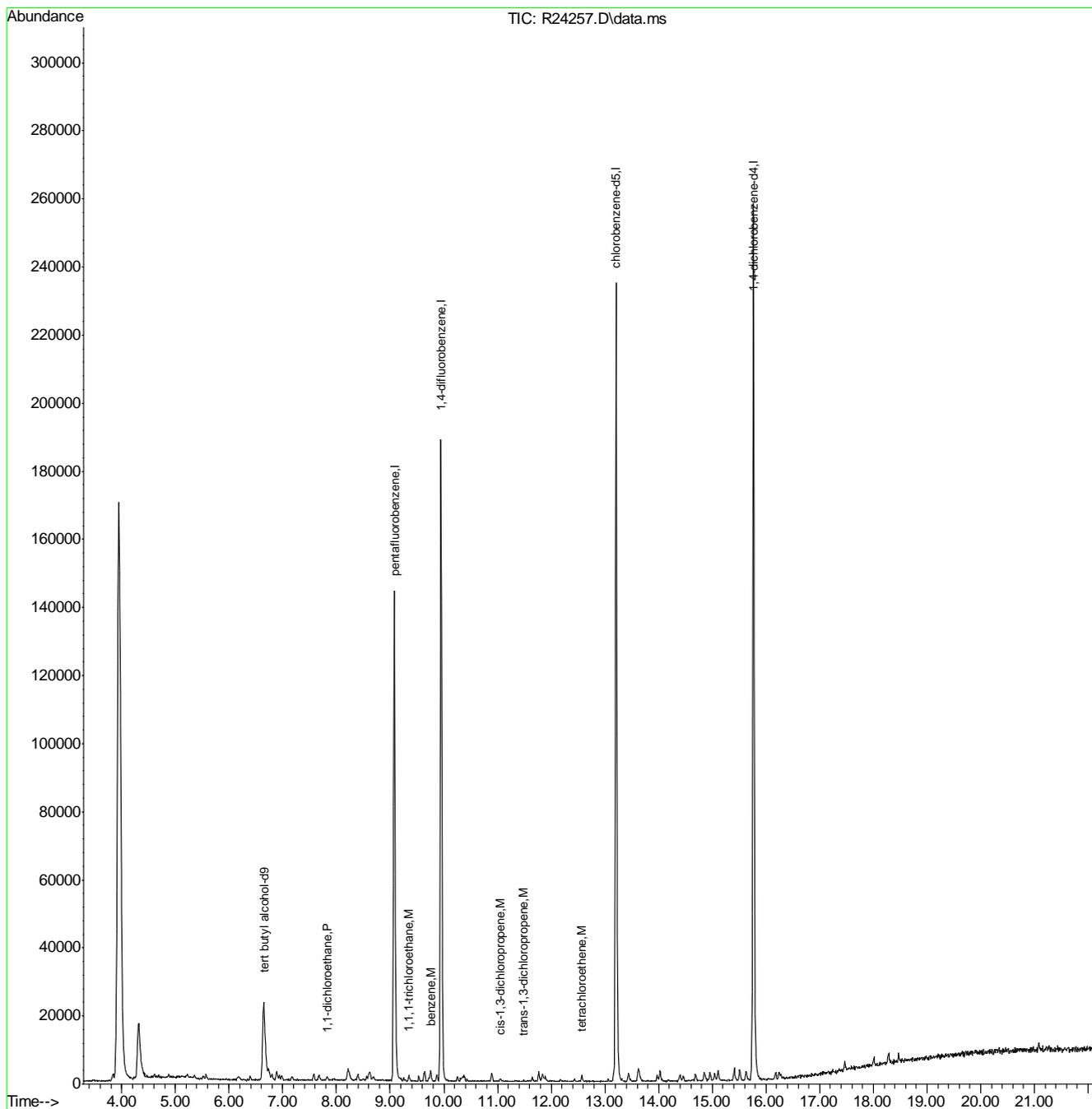
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.661 | 65 | 37768 | 500.00 | ug/L | -0.04 |
| 4) pentafluorobenzene | 9.082 | 168 | 111025 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.952 | 114 | 168517 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.210 | 82 | 84236 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.769 | 152 | 79398 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 0.000 | 113 | 0 | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 60) toluene-d8 (s) | 0.000 | 98 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 82) bromofluorobenzene (s) | 0.000 | 95 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 32) 1,1-dichloroethane | 7.830 | 63 | 1595m | 0.43 | ug/L | |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 1038 | 0.43 | ug/L # | 49 |
| 47) benzene | 9.756 | 78 | 3535 | 0.49 | ug/L | 96 |
| 59) cis-1,3-dichloropropene | 11.056 | 75 | 760 | 0.40 | ug/L | 57 |
| 63) trans-1,3-dichloropropene | 11.487 | 75 | 371 | 0.27 | ug/L | 53 |
| 67) tetrachloroethene | 12.572 | 166 | 661 | 0.43 | ug/L # | 69 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24257.D
Acq On : 4 Nov 2011 3:52 pm
Operator : danat
Sample : ic899-0.5
Misc : MS24135,MSR899,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 18:49:17 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Nov 04 16:02:01 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24258.D
 Acq On : 4 Nov 2011 4:20 pm
 Operator : danat
 Sample : ic899-1
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 18:46:36 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:42:54 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.662 | 65 | 38661 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.082 | 168 | 114585 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.952 | 114 | 178431 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.209 | 82 | 88537 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.768 | 152 | 83536 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 0.000 | 113 | 0 | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 60) toluene-d8 (s) | 0.000 | 98 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| 82) bromofluorobenzene (s) | 0.000 | 95 | 0d | 0.00 | ug/L | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 0.00%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.737 | 59 | 1082 | 8.61 | ug/L | # 68 |
| 3) Ethanol | 5.538 | 45 | 1750 | 84.37 | ug/L | # 57 |
| 5) dichlorodifluoromethane | 4.397 | 85 | 1645 | 0.85 | ug/L | 90 |
| 6) chloromethane | 4.612 | 50 | 2066 | 1.06 | ug/L | 94 |
| 7) vinyl chloride | 4.877 | 62 | 2206 | 1.01 | ug/L | 100 |
| 8) bromomethane | 5.360 | 96 | 1810 | 1.07 | ug/L | 79 |
| 9) chloroethane | 5.521 | 64 | 1455 | 0.94 | ug/L | 84 |
| 10) ethyl ether | 6.395 | 59 | 1401 | 0.88 | ug/L | 93 |
| 12) trichlorofluoromethane | 6.176 | 101 | 3204 | 1.02 | ug/L | 75 |
| 13) freon-113 | 6.939 | 101 | 1791 | 0.93 | ug/L | 80 |
| 15) 1,1-dichloroethene | 6.742 | 96 | 1647 | 0.97 | ug/L | # 64 |
| 16) acetone | 6.291 | 43 | 637 | 0.83 | ug/L | # 40 |
| 17) Methyl Acetate | 6.926 | 43 | 1794 | 0.80 | ug/L | # 59 |
| 18) methylene chloride | 6.888 | 84 | 2443 | 1.10 | ug/L | 87 |
| 19) methyl tert butyl ether | 7.671 | 73 | 4462 | 0.87 | ug/L | 99 |
| 21) allyl chloride | 6.983 | 41 | 2372 | 0.85 | ug/L | 79 |
| 22) trans-1,2-dichloroethene | 7.579 | 96 | 1974 | 1.02 | ug/L | 88 |
| 23) iodomethane | 6.802 | 142 | 2774 | 0.91 | ug/L | 100 |
| 24) carbon disulfide | 7.172 | 76 | 3323 | 0.80 | ug/L | 74 |
| 26) vinyl acetate | 7.952 | 43 | 2097 | 0.67 | ug/L | 76 |
| 27) chloroprene | 8.198 | 53 | 2298 | 0.82 | ug/L | 97 |
| 28) di-isopropyl ether | 8.238 | 45 | 5526 | 0.83 | ug/L | 90 |
| 31) Hexane | 8.224 | 41 | 2792 | 0.95 | ug/L | 94 |
| 32) 1,1-dichloroethane | 7.830 | 63 | 3609 | 0.98 | ug/L | 95 |
| 33) tert-butyl ethyl ether | 8.629 | 59 | 4847 | 0.84 | ug/L | 95 |
| 34) isobutyl alcohol | 8.622 | 43 | 710 | 3.58 | ug/L | 99 |
| 35) 2,2-dichloropropane | 8.689 | 77 | 1892 | 0.84 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 8.400 | 96 | 2042 | 0.94 | ug/L | 83 |
| 38) bromochloromethane | 8.563 | 128 | 976 | 0.95 | ug/L | # 80 |
| 39) chloroform | 8.603 | 83 | 3355 | 0.95 | ug/L | 82 |
| 41) Tetrahydrofuran | 8.932 | 42 | 403 | 0.80 | ug/L | # 28 |
| 42) 1,1,1-trichloroethane | 9.354 | 97 | 2377 | 0.86 | ug/L | 86 |
| 44) Cyclohexane | 9.639 | 56 | 3275 | 0.95 | ug/L | 92 |
| 45) carbon tetrachloride | 9.718 | 117 | 1775 | 0.78 | ug/L | 81 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24258.D
 Acq On : 4 Nov 2011 4:20 pm
 Operator : danat
 Sample : ic899-1
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 18:46:36 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:42:54 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 46) 1,1-dichloropropene | 9.532 | 75 | 2362 | 0.92 | ug/L | 95 |
| 47) benzene | 9.756 | 78 | 7584 | 0.97 | ug/L | 96 |
| 48) 1,2-dichloroethane | 9.255 | 62 | 2368 | 0.94 | ug/L | 75 |
| 49) tert-amyl methyl ether | 9.872 | 73 | 4083 | 0.85 | ug/L | 97 |
| 50) heptane | 10.255 | 43 | 2314 | 0.88 | ug/L | 83 |
| 51) trichloroethene | 10.376 | 95 | 1873 | 0.96 | ug/L | 90 |
| 52) 1,2-dichloropropane | 10.343 | 63 | 1685 | 0.83 | ug/L | 88 |
| 53) dibromomethane | 10.315 | 93 | 1048 | 0.89 | ug/L | 92 |
| 54) bromodichloromethane | 10.428 | 83 | 1674 | 0.76 | ug/L | 97 |
| 55) Methylcyclohexane | 10.893 | 83 | 2820 | 0.84 | ug/L # | 83 |
| 56) 2-chloroethyl vinyl ether | 10.828 | 63 | 491 | 0.45 | ug/L # | 46 |
| 59) cis-1,3-dichloropropene | 11.055 | 75 | 1755 | 0.70 | ug/L | 93 |
| 62) toluene | 11.837 | 92 | 3740 | 0.82 | ug/L | 91 |
| 63) trans-1,3-dichloropropene | 11.482 | 75 | 1204 | 0.63 | ug/L | 52 |
| 64) 1,1,2-trichloroethane | 11.645 | 83 | 1082 | 0.78 | ug/L | 99 |
| 65) ethyl methacrylate | 10.894 | 69 | 613 | 0.86 | ug/L | 94 |
| 67) tetrachloroethene | 12.570 | 166 | 1681 | 0.97 | ug/L | 89 |
| 68) 1,3-dichloropropane | 11.885 | 76 | 2545 | 0.94 | ug/L | 86 |
| 69) dibromochloromethane | 12.170 | 129 | 952 | 0.71 | ug/L | 98 |
| 70) 1,2-dibromoethane | 12.430 | 107 | 1233 | 0.85 | ug/L | 90 |
| 72) chlorobenzene | 13.245 | 112 | 4760 | 1.00 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.160 | 131 | 1232 | 0.81 | ug/L | 87 |
| 74) ethylbenzene | 13.437 | 91 | 7145 | 0.89 | ug/L | 90 |
| 75) m,p-xylene | 13.622 | 106 | 5140 | 1.65 | ug/L | 97 |
| 76) o-xylene | 14.026 | 106 | 2669 | 0.85 | ug/L | 100 |
| 77) styrene | 13.968 | 104 | 3797 | 0.80 | ug/L | 91 |
| 78) bromoform | 13.775 | 173 | 456 | 0.57 | ug/L # | 28 |
| 81) isopropylbenzene | 14.396 | 105 | 5755 | 0.82 | ug/L | 95 |
| 83) bromobenzene | 14.684 | 156 | 1779 | 0.90 | ug/L | 91 |
| 84) 1,1,2,2-tetrachloroethane | 14.028 | 83 | 1899 | 0.88 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.182 | 75 | 1651 | 0.78 | ug/L | 93 |
| 86) n-propylbenzene | 14.848 | 91 | 8253 | 0.86 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.952 | 91 | 5518 | 0.92 | ug/L | 94 |
| 88) 4-chlorotoluene | 15.039 | 91 | 5584 | 0.93 | ug/L | 93 |
| 89) 1,3,5-trimethylbenzene | 15.109 | 105 | 5650 | 0.82 | ug/L | 98 |
| 90) tert-butylbenzene | 15.407 | 91 | 3437 | 0.87 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 15.511 | 105 | 5876 | 0.85 | ug/L | 95 |
| 92) sec-butylbenzene | 15.634 | 105 | 7859 | 0.85 | ug/L | 93 |
| 93) 1,3-dichlorobenzene | 15.733 | 146 | 3850 | 0.98 | ug/L | 95 |
| 94) p-isopropyltoluene | 15.817 | 119 | 6194 | 0.85 | ug/L | 91 |
| 95) 1,4-dichlorobenzene | 15.796 | 146 | 4254 | 1.00 | ug/L | 93 |
| 96) 1,2-dichlorobenzene | 16.176 | 146 | 3705 | 0.95 | ug/L | 95 |
| 97) n-butylbenzene | 16.248 | 91 | 6032 | 0.81 | ug/L | 100 |
| 99) 1,3,5-trichlorobenzene | 17.462 | 180 | 2867 | 0.91 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 18.004 | 180 | 2689 | 0.90 | ug/L | 87 |
| 101) hexachlorobutadiene | 18.279 | 225 | 1541 | 0.94 | ug/L | 100 |
| 102) naphthalene | 18.276 | 128 | 5823 | 0.88 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.474 | 180 | 2599 | 0.91 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.888 | 142 | 1053 | 0.78 | ug/L | 94 |
| 105) 2-methylnaphthalene | 19.657 | 142 | 1345 | 0.41 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24258.D
Acq On : 4 Nov 2011 4:20 pm
Operator : danat
Sample : ic899-1
Misc : MS24135,MSR899,5,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 18:46:36 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Nov 04 18:42:54 2011
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24260.D
 Acq On : 4 Nov 2011 5:17 pm
 Operator : danat
 Sample : ic899-5
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 18:41:44 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:40:59 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.667 | 65 | 34150 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.083 | 168 | 104821 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.952 | 114 | 165168 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.209 | 82 | 84817 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.766 | 152 | 78826 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.724 | 113 | 8373 | 4.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 9.24%# |
| 60) toluene-d8 (s) | 11.755 | 98 | 31135 | 4.88 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 9.76%# |
| 82) bromofluorobenzene (s) | 14.440 | 95 | 11821 | 4.78 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 9.56%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.745 | 59 | 5600 | 50.72 | ug/L | 97 |
| 3) Ethanol | 5.555 | 45 | 8164 | 422.62 | ug/L | 92 |
| 5) dichlorodifluoromethane | 4.401 | 85 | 9230 | 5.31 | ug/L | 88 |
| 6) chloromethane | 4.618 | 50 | 9156 | 5.19 | ug/L | 99 |
| 7) vinyl chloride | 4.880 | 62 | 10806 | 5.68 | ug/L | 95 |
| 8) bromomethane | 5.363 | 96 | 8139 | 5.38 | ug/L | 93 |
| 9) chloroethane | 5.524 | 64 | 7310 | 5.26 | ug/L | 95 |
| 10) ethyl ether | 6.394 | 59 | 7288 | 4.99 | ug/L | 96 |
| 11) acetonitrile | 6.168 | 41 | 838 | 3.11 | ug/L | 63 |
| 12) trichlorofluoromethane | 6.176 | 101 | 14774 | 5.25 | ug/L | 92 |
| 13) freon-113 | 6.941 | 101 | 9132 | 5.25 | ug/L | 92 |
| 14) acrolein | 6.163 | 56 | 544 | 17.34 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.743 | 96 | 8096 | 5.31 | ug/L | 94 |
| 16) acetone | 6.296 | 43 | 3701 | 5.40 | ug/L | 91 |
| 17) Methyl Acetate | 6.922 | 43 | 10333 | 5.01 | ug/L | # 96 |
| 18) methylene chloride | 6.891 | 84 | 10646 | 5.34 | ug/L | 88 |
| 19) methyl tert butyl ether | 7.671 | 73 | 22918 | 4.82 | ug/L | 97 |
| 20) acrylonitrile | 6.795 | 53 | 2941 | 22.28 | ug/L | 97 |
| 21) allyl chloride | 6.985 | 41 | 12435 | 4.80 | ug/L | 96 |
| 22) trans-1,2-dichloroethene | 7.580 | 96 | 9097 | 5.21 | ug/L | 99 |
| 23) iodomethane | 6.804 | 142 | 14038 | 5.08 | ug/L | 97 |
| 24) carbon disulfide | 7.174 | 76 | 16164 | 3.95 | ug/L | 95 |
| 25) propionitrile | 7.852 | 54 | 904 | 3.76 | ug/L | 100 |
| 26) vinyl acetate | 7.940 | 43 | 12820 | 4.29 | ug/L | 95 |
| 27) chloroprene | 8.197 | 53 | 12203 | 4.69 | ug/L | 97 |
| 28) di-isopropyl ether | 8.237 | 45 | 30051 | 4.91 | ug/L | 97 |
| 29) methacrylonitrile | 8.356 | 41 | 4933 | 4.65 | ug/L | 86 |
| 30) 2-butanone | 8.254 | 72 | 879 | 3.71 | ug/L | # 28 |
| 31) Hexane | 8.223 | 41 | 13550 | 5.08 | ug/L | 87 |
| 32) 1,1-dichloroethane | 7.830 | 63 | 17294 | 5.22 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.628 | 59 | 25344 | 4.69 | ug/L | 96 |
| 34) isobutyl alcohol | 8.643 | 43 | 4599 | 25.51 | ug/L | 79 |
| 35) 2,2-dichloropropane | 8.690 | 77 | 9698 | 4.59 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.400 | 96 | 10167 | 5.13 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24260.D
 Acq On : 4 Nov 2011 5:17 pm
 Operator : danat
 Sample : ic899-5
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 18:41:44 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:40:59 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 37) ethyl acetate | 9.869 | 43 | 6745m | 4.62 | ug/L | |
| 38) bromochloromethane | 8.564 | 128 | 4671 | 4.97 | ug/L | 96 |
| 39) chloroform | 8.604 | 83 | 16426 | 5.11 | ug/L | 94 |
| 41) Tetrahydrofuran | 8.938 | 42 | 2219 | 4.77 | ug/L | 89 |
| 42) 1,1,1-trichloroethane | 9.355 | 97 | 12420 | 4.85 | ug/L | 94 |
| 44) Cyclohexane | 9.640 | 56 | 15923 | 5.01 | ug/L | 97 |
| 45) carbon tetrachloride | 9.720 | 117 | 9966 | 4.63 | ug/L | 100 |
| 46) 1,1-dichloropropene | 9.531 | 75 | 11959 | 5.07 | ug/L | 97 |
| 47) benzene | 9.756 | 78 | 36811 | 5.11 | ug/L | 96 |
| 48) 1,2-dichloroethane | 9.254 | 62 | 12073 | 5.26 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.871 | 73 | 21204 | 4.68 | ug/L | 97 |
| 50) heptane | 10.242 | 43 | 11966 | 4.87 | ug/L | 97 |
| 51) trichloroethene | 10.374 | 95 | 9451 | 5.33 | ug/L | 95 |
| 52) 1,2-dichloropropane | 10.342 | 63 | 9650 | 5.17 | ug/L | 88 |
| 53) dibromomethane | 10.314 | 93 | 5532 | 5.13 | ug/L | 92 |
| 54) bromodichloromethane | 10.427 | 83 | 9430 | 4.44 | ug/L | 97 |
| 55) Methylcyclohexane | 10.892 | 83 | 15445 | 4.93 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 10.815 | 63 | 4723 | 4.55 | ug/L | 90 |
| 57) methyl methacrylate | 10.547 | 69 | 3850 | 3.75 | ug/L | 88 |
| 59) cis-1,3-dichloropropene | 11.049 | 75 | 10423 | 4.24 | ug/L | 94 |
| 61) 4-methyl-2-pentanone | 11.202 | 43 | 5712 | 4.01 | ug/L # | 43 |
| 62) toluene | 11.828 | 92 | 20695 | 4.84 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.470 | 75 | 7501 | 3.91 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 11.639 | 83 | 6289 | 4.85 | ug/L | 95 |
| 65) ethyl methacrylate | 10.892 | 69 | 3205 | 4.80 | ug/L | 92 |
| 67) tetrachloroethene | 12.566 | 166 | 8493 | 5.14 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.877 | 76 | 13041 | 5.02 | ug/L | 92 |
| 69) dibromochloromethane | 12.166 | 129 | 5605 | 4.10 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.419 | 107 | 6978 | 5.01 | ug/L | 94 |
| 71) 2-hexanone | 12.114 | 43 | 3523 | 3.22 | ug/L | 63 |
| 72) chlorobenzene | 13.244 | 112 | 23631 | 5.29 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.161 | 131 | 6932 | 4.60 | ug/L | 91 |
| 74) ethylbenzene | 13.426 | 91 | 38060 | 4.93 | ug/L | 98 |
| 75) m,p-xylene | 13.608 | 106 | 29212 | 9.72 | ug/L | 97 |
| 76) o-xylene | 14.019 | 106 | 14885 | 4.90 | ug/L | 99 |
| 77) styrene | 13.952 | 104 | 21650 | 4.67 | ug/L | 98 |
| 78) bromoform | 13.771 | 173 | 3161 | 3.77 | ug/L | 81 |
| 79) trans-1,4-dichloro-2-b... | 14.174 | 53 | 1834 | 3.80 | ug/L | 88 |
| 81) isopropylbenzene | 14.385 | 105 | 31624 | 4.69 | ug/L | 99 |
| 83) bromobenzene | 14.672 | 156 | 9370 | 5.02 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 14.021 | 83 | 10071 | 4.93 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.173 | 75 | 9434 | 4.56 | ug/L | 92 |
| 86) n-propylbenzene | 14.831 | 91 | 43879 | 4.75 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.944 | 91 | 28329 | 5.01 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.024 | 91 | 27784 | 4.88 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 15.103 | 105 | 30848 | 4.62 | ug/L | 95 |
| 90) tert-butylbenzene | 15.404 | 91 | 17967 | 4.76 | ug/L | 100 |
| 91) 1,2,4-trimethylbenzene | 15.508 | 105 | 31136 | 4.65 | ug/L | 99 |
| 92) sec-butylbenzene | 15.628 | 105 | 41921 | 4.73 | ug/L | 95 |
| 93) 1,3-dichlorobenzene | 15.729 | 146 | 18480 | 5.00 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24260.D
 Acq On : 4 Nov 2011 5:17 pm
 Operator : danat
 Sample : ic899-5
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 18:41:44 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:40:59 2011
 Response via : Initial Calibration

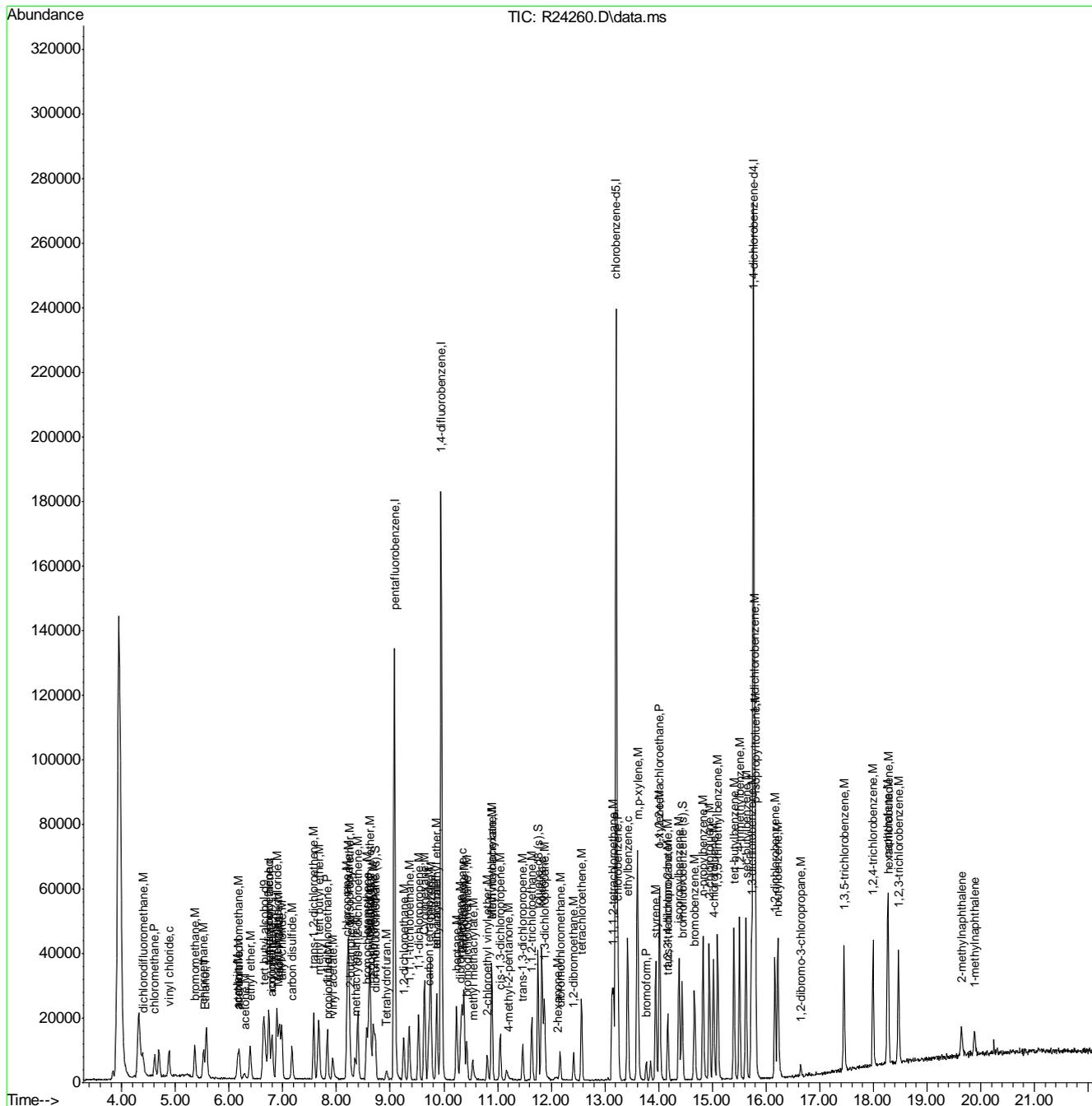
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 94) p-isopropyltoluene | 15.804 | 119 | 32859 | 4.68 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.795 | 146 | 20197 | 5.07 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 16.167 | 146 | 18500 | 5.07 | ug/L | 98 |
| 97) n-butylbenzene | 16.227 | 91 | 33297 | 4.65 | ug/L | 97 |
| 98) 1,2-dibromo-3-chloropr... | 16.650 | 75 | 1111 | 3.76 | ug/L # | 58 |
| 99) 1,3,5-trichlorobenzene | 17.456 | 180 | 14636 | 4.88 | ug/L | 88 |
| 100) 1,2,4-trichlorobenzene | 17.995 | 180 | 13947 | 4.91 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.279 | 225 | 7833 | 5.13 | ug/L | 96 |
| 102) naphthalene | 18.265 | 128 | 29439 | 4.58 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.469 | 180 | 13358 | 4.97 | ug/L | 95 |
| 104) 1-methylnaphthalene | 19.887 | 142 | 6010 | 4.61 | ug/L | 98 |
| 105) 2-methylnaphthalene | 19.645 | 142 | 7015 | 2.19 | ug/L | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24260.D
 Acq On : 4 Nov 2011 5:17 pm
 Operator : danat
 Sample : ic899-5
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 18:41:44 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:40:59 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24261.D
 Acq On : 4 Nov 2011 5:45 pm
 Operator : danat
 Sample : ic899-25
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:40:12 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:39:24 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|-----------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 6.667 | 65 | 35956 | 500.00 | ug/L | 0.00 | |
| 4) pentafluorobenzene | 9.081 | 168 | 104338 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 9.951 | 114 | 165567 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 13.206 | 82 | 87972 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 15.764 | 152 | 80767 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 8.722 | 113 | 46315 | 26.40 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 52.80%# | |
| 60) toluene-d8 (s) | 11.749 | 98 | 164714 | 26.52 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 53.04%# | |
| 82) bromofluorobenzene (s) | 14.433 | 95 | 64967 | 26.35 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 52.70%# | |
| Target Compounds | | | | | | | |
| 2) tertiary butyl alcohol | 6.745 | 59 | 28483 | 240.21 | ug/L | | Qvalue 98 |
| 3) Ethanol | 5.606 | 45 | 49201m | 2343.15 | ug/L | | |
| 5) dichlorodifluoromethane | 4.403 | 85 | 44016 | 25.92 | ug/L | | 100 |
| 6) chloromethane | 4.629 | 50 | 45047 | 26.38 | ug/L | | 99 |
| 7) vinyl chloride | 4.884 | 62 | 49916 | 27.88 | ug/L | | 98 |
| 8) bromomethane | 5.365 | 96 | 38063 | 25.55 | ug/L | | 98 |
| 9) chloroethane | 5.525 | 64 | 34882 | 25.41 | ug/L | | 97 |
| 10) ethyl ether | 6.391 | 59 | 35737 | 24.15 | ug/L | | 93 |
| 11) acetonitrile | 6.185 | 41 | 6539 | 23.86 | ug/L | | 93 |
| 12) trichlorofluoromethane | 6.176 | 101 | 71045 | 25.69 | ug/L | | 99 |
| 13) freon-113 | 6.941 | 101 | 43302 | 24.99 | ug/L | | 98 |
| 14) acrolein | 6.163 | 56 | 3934 | 127.02 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 6.743 | 96 | 38249 | 25.42 | ug/L | | 99 |
| 16) acetone | 6.284 | 43 | 17335 | 25.84 | ug/L | | 94 |
| 17) Methyl Acetate | 6.914 | 43 | 50671 | 24.42 | ug/L | | 98 |
| 18) methylene chloride | 6.890 | 84 | 49872 | 25.29 | ug/L | | 97 |
| 19) methyl tert butyl ether | 7.669 | 73 | 114976 | 23.65 | ug/L | | 98 |
| 20) acrylonitrile | 6.788 | 53 | 16191 | 121.47 | ug/L | | 96 |
| 21) allyl chloride | 6.983 | 41 | 64376 | 24.88 | ug/L | | 99 |
| 22) trans-1,2-dichloroethene | 7.578 | 96 | 43799 | 25.45 | ug/L | | 98 |
| 23) iodomethane | 6.803 | 142 | 68889 | 25.12 | ug/L | | 98 |
| 24) carbon disulfide | 7.174 | 76 | 96272 | 22.38 | ug/L | | 99 |
| 25) propionitrile | 7.841 | 54 | 5851 | 23.94 | ug/L | | 100 |
| 26) vinyl acetate | 7.927 | 43 | 72274 | 23.65 | ug/L | | 99 |
| 27) chloroprene | 8.194 | 53 | 64479 | 24.76 | ug/L | | 100 |
| 28) di-isopropyl ether | 8.231 | 45 | 151608 | 24.75 | ug/L | | 98 |
| 29) methacrylonitrile | 8.346 | 41 | 26003 | 24.26 | ug/L | | 95 |
| 30) 2-butanone | 8.238 | 72 | 5582 | 22.48 | ug/L | # | 85 |
| 31) Hexane | 8.217 | 41 | 67043 | 25.53 | ug/L | | 94 |
| 32) 1,1-dichloroethane | 7.828 | 63 | 82784 | 25.17 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 8.625 | 59 | 131130 | 23.77 | ug/L | | 99 |
| 34) isobutyl alcohol | 8.644 | 43 | 21939 | 119.64 | ug/L | | 98 |
| 35) 2,2-dichloropropane | 8.689 | 77 | 51725 | 24.21 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 8.398 | 96 | 49132 | 24.86 | ug/L | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24261.D
 Acq On : 4 Nov 2011 5:45 pm
 Operator : danat
 Sample : ic899-25
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:40:12 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:39:24 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 37) ethyl acetate | 9.869 | 43 | 35476m | 23.83 | ug/L | |
| 38) bromochloromethane | 8.563 | 128 | 23180 | 24.57 | ug/L | 98 |
| 39) chloroform | 8.602 | 83 | 79600 | 24.75 | ug/L | 97 |
| 41) Tetrahydrofuran | 8.933 | 42 | 11370 | 24.11 | ug/L | 85 |
| 42) 1,1,1-trichloroethane | 9.354 | 97 | 63384 | 24.75 | ug/L | 97 |
| 44) Cyclohexane | 9.639 | 56 | 79652 | 24.99 | ug/L | 97 |
| 45) carbon tetrachloride | 9.719 | 117 | 53032 | 24.17 | ug/L | 99 |
| 46) 1,1-dichloropropene | 9.528 | 75 | 59375 | 25.23 | ug/L | 99 |
| 47) benzene | 9.753 | 78 | 180367 | 24.98 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.252 | 62 | 57717 | 25.15 | ug/L | 100 |
| 49) tert-amyl methyl ether | 9.869 | 73 | 109482 | 23.24 | ug/L | 99 |
| 50) heptane | 10.232 | 43 | 61625 | 25.06 | ug/L | 100 |
| 51) trichloroethene | 10.371 | 95 | 44601 | 25.15 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.338 | 63 | 46777 | 25.00 | ug/L | 100 |
| 53) dibromomethane | 10.311 | 93 | 26576 | 24.19 | ug/L | 97 |
| 54) bromodichloromethane | 10.424 | 83 | 51480 | 23.42 | ug/L | 99 |
| 55) Methylcyclohexane | 10.891 | 83 | 78415 | 24.96 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.799 | 63 | 25036 | 23.16 | ug/L | 100 |
| 57) methyl methacrylate | 10.526 | 69 | 24730 | 23.18 | ug/L | 97 |
| 58) 1,4-dioxane | 10.529 | 88 | 1502 | 98.38 | ug/L | 98 |
| 59) cis-1,3-dichloropropene | 11.044 | 75 | 59341 | 23.26 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.160 | 43 | 34399 | 23.22 | ug/L | 99 |
| 62) toluene | 11.821 | 92 | 106292 | 24.61 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 11.463 | 75 | 45354 | 22.30 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 11.635 | 83 | 31939 | 24.19 | ug/L | 96 |
| 65) ethyl methacrylate | 10.890 | 69 | 16981 | 25.80 | ug/L | 94 |
| 67) tetrachloroethene | 12.563 | 166 | 42724 | 24.83 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.870 | 76 | 66341 | 24.25 | ug/L | 98 |
| 69) dibromochloromethane | 12.162 | 129 | 33459 | 22.31 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.413 | 107 | 35411 | 24.08 | ug/L | 94 |
| 71) 2-hexanone | 12.042 | 43 | 26897 | 22.54 | ug/L | 97 |
| 72) chlorobenzene | 13.241 | 112 | 114391 | 24.35 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.160 | 131 | 37546 | 23.16 | ug/L | 98 |
| 74) ethylbenzene | 13.418 | 91 | 197078 | 24.21 | ug/L | 98 |
| 75) m,p-xylene | 13.601 | 106 | 153302 | 48.40 | ug/L | 99 |
| 76) o-xylene | 14.013 | 106 | 77344 | 24.12 | ug/L | 100 |
| 77) styrene | 13.940 | 104 | 115964 | 23.34 | ug/L | 100 |
| 78) bromoform | 13.768 | 173 | 20161 | 21.60 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.164 | 53 | 11892 | 22.66 | ug/L | 91 |
| 81) isopropylbenzene | 14.377 | 105 | 171348 | 24.62 | ug/L | 98 |
| 83) bromobenzene | 14.665 | 156 | 47415 | 24.56 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 14.016 | 83 | 51559 | 24.28 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.166 | 75 | 51365 | 23.55 | ug/L | 98 |
| 86) n-propylbenzene | 14.821 | 91 | 234694 | 24.58 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.939 | 91 | 143915 | 24.70 | ug/L | 96 |
| 88) 4-chlorotoluene | 15.016 | 91 | 144850 | 24.68 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.097 | 105 | 167945 | 24.07 | ug/L | 98 |
| 90) tert-butylbenzene | 15.401 | 91 | 95252 | 24.22 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 15.504 | 105 | 168740 | 24.18 | ug/L | 100 |
| 92) sec-butylbenzene | 15.624 | 105 | 224889 | 24.54 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24261.D
 Acq On : 4 Nov 2011 5:45 pm
 Operator : danat
 Sample : ic899-25
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:40:12 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:39:24 2011
 Response via : Initial Calibration

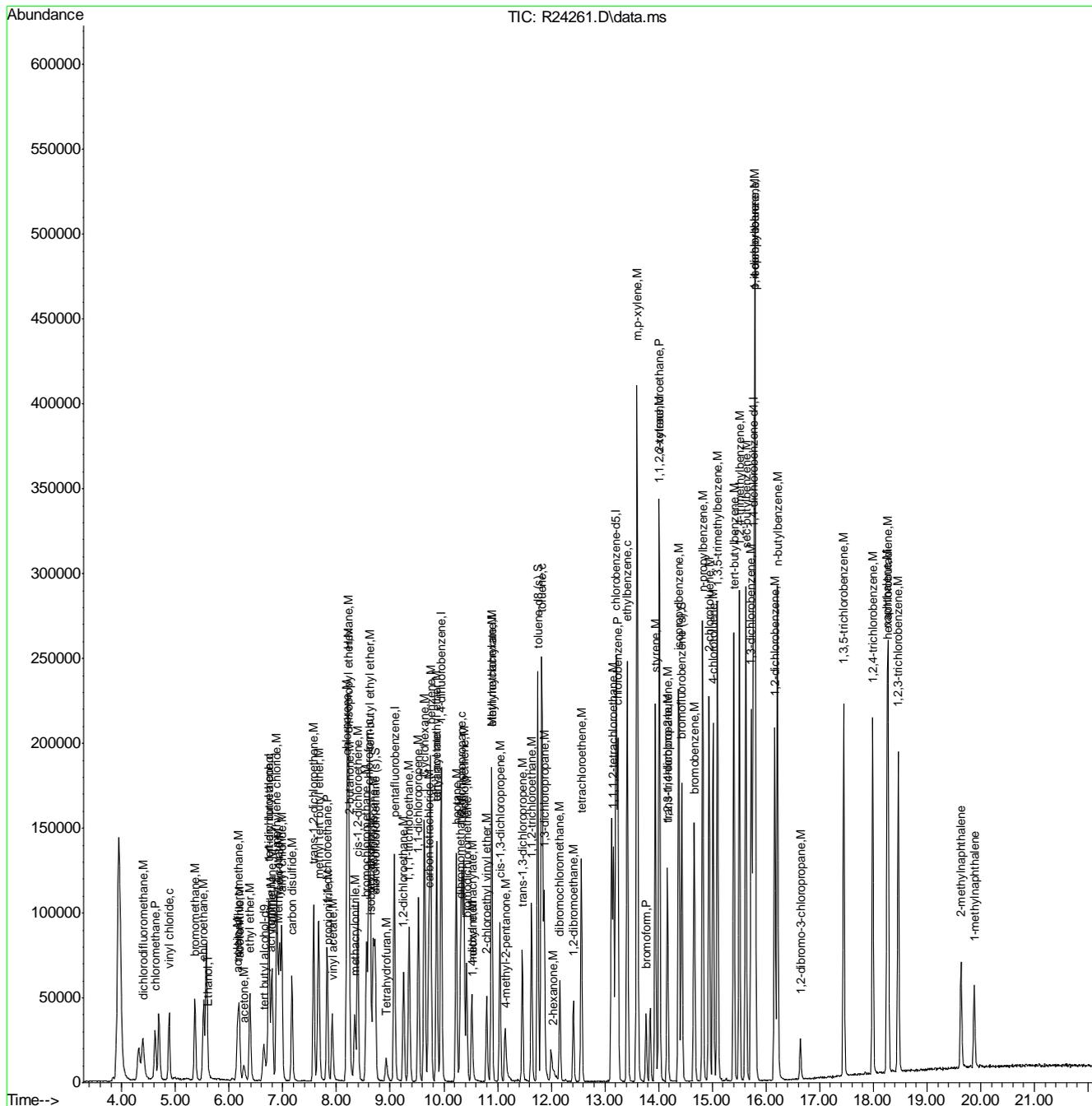
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.726 | 146 | 94363 | 24.79 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.796 | 119 | 176248 | 24.03 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.793 | 146 | 100502 | 24.29 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 16.161 | 146 | 92412 | 24.40 | ug/L | 98 |
| 97) n-butylbenzene | 16.215 | 91 | 182000 | 24.58 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 16.643 | 75 | 7074 | 21.98 | ug/L | 98 |
| 99) 1,3,5-trichlorobenzene | 17.449 | 180 | 76435 | 24.71 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.989 | 180 | 71334 | 24.03 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.277 | 225 | 38524 | 24.23 | ug/L | 98 |
| 102) naphthalene | 18.258 | 128 | 159028 | 23.32 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.464 | 180 | 67366 | 23.96 | ug/L | 100 |
| 104) 1-methylnaphthalene | 19.881 | 142 | 31022 | 21.67 | ug/L | 98 |
| 105) 2-methylnaphthalene | 19.635 | 142 | 38081 | 10.86 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24261.D
Acq On : 4 Nov 2011 5:45 pm
Operator : danat
Sample : ic899-25
Misc : MS24135,MSR899,5,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:40:12 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Nov 04 18:39:24 2011
Response via : Initial Calibration



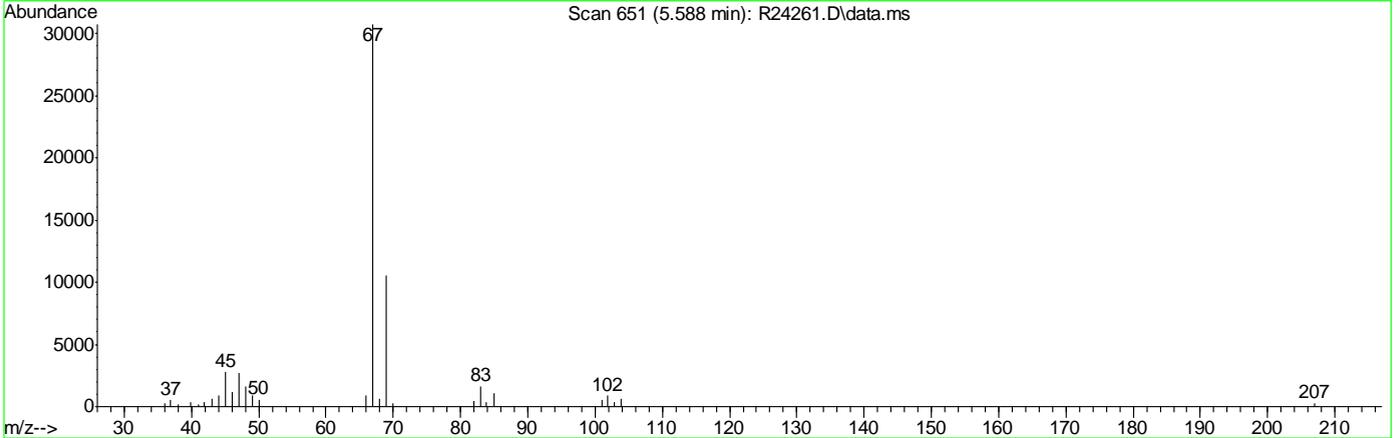
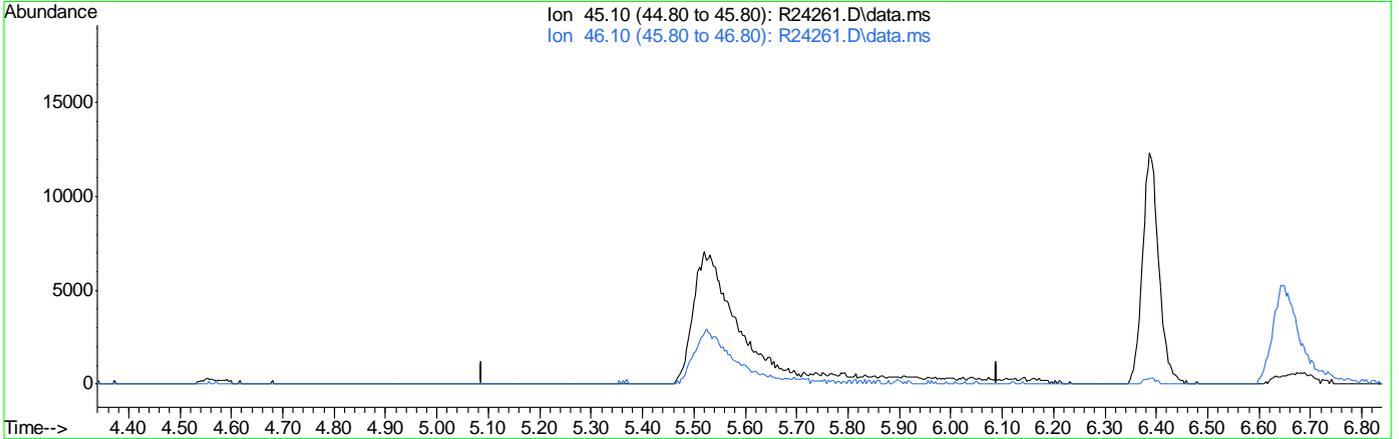
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : R24261.D
 Acq On : 4 Nov 2011 5:45 pm
 Operator : danat
 Sample : ic899-25
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:39:33 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:39:24 2011
 Response via : Initial Calibration

6.6.15.1

6



TIC: R24261.D\data.ms

(3) Ethanol (T)
 5.589min (-5.589) 0.00ug/L
 response 0

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 0.00 |
| 46.10 | 38.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

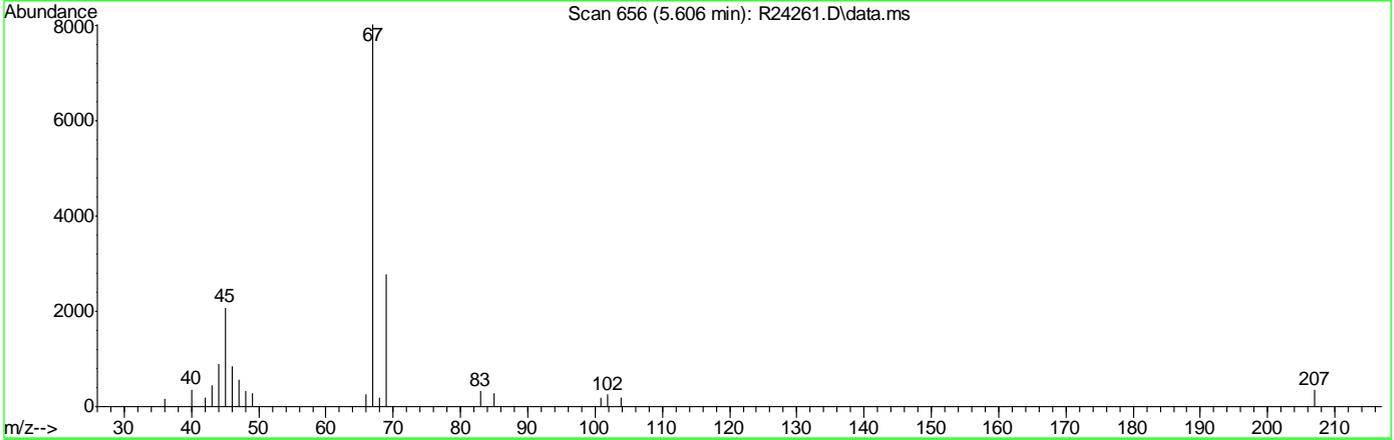
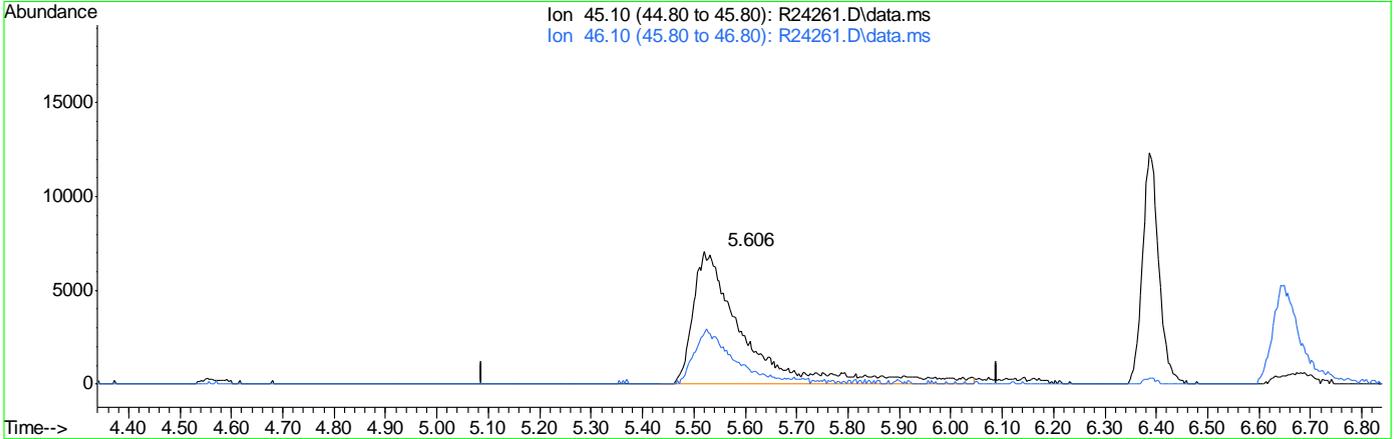
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : R24261.D
 Acq On : 4 Nov 2011 5:45 pm
 Operator : danat
 Sample : ic899-25
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 18:39:33 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:39:24 2011
 Response via : Initial Calibration

6.6.15.2

6



TIC: R24261.D\data.ms

(3) Ethanol (T)
 5.606min (+0.017) 2343.15ug/L m
 response 49201

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 46.10 | 38.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24262.D
 Acq On : 4 Nov 2011 6:13 pm
 Operator : danat
 Sample : icc899-50
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 18:38:13 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.662 | 65 | 36720 | 500.00 | ug/L | -0.04 |
| 4) pentafluorobenzene | 9.080 | 168 | 107171 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.951 | 114 | 171827 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.206 | 82 | 90619 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.764 | 152 | 84749 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.722 | 113 | 90093 | 50.92 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.84% |
| 60) toluene-d8 (s) | 11.747 | 98 | 322259 | 52.51 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 105.02% |
| 82) bromofluorobenzene (s) | 14.431 | 95 | 129337 | 52.77 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 105.54% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.744 | 59 | 60547 | 569.51 | ug/L | 88 |
| 3) Ethanol | 5.589 | 45 | 107220 | 7720.82 | ug/L # | 100 |
| 5) dichlorodifluoromethane | 4.405 | 85 | 87224 | 71.68 | ug/L | 98 |
| 6) chloromethane | 4.633 | 50 | 87713 | 43.57 | ug/L | 99 |
| 7) vinyl chloride | 4.887 | 62 | 91940 | 42.26 | ug/L | 98 |
| 8) bromomethane | 5.367 | 96 | 76498 | 50.11 | ug/L | 98 |
| 9) chloroethane | 5.526 | 64 | 70494 | 48.25 | ug/L | 99 |
| 10) ethyl ether | 6.390 | 59 | 75994 | 47.25 | ug/L | 100 |
| 11) acetonitrile | 6.185 | 41 | 14077 | 48.19 | ug/L | 93 |
| 12) trichlorofluoromethane | 6.177 | 101 | 142018 | 53.45 | ug/L | 100 |
| 13) freon-113 | 6.941 | 101 | 89006 | 52.26 | ug/L | 96 |
| 14) acrolein | 6.160 | 56 | 7953 | 295.64 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.743 | 96 | 77281 | 48.98 | ug/L | 92 |
| 16) acetone | 6.280 | 43 | 34450 | 48.35 | ug/L | 98 |
| 17) Methyl Acetate | 6.912 | 43 | 106586 | 43.22 | ug/L | 96 |
| 18) methylene chloride | 6.890 | 84 | 101285 | 48.16 | ug/L | 94 |
| 19) methyl tert butyl ether | 7.669 | 73 | 249684 | 46.16 | ug/L | 97 |
| 20) acrylonitrile | 6.784 | 53 | 34229 | 244.54 | ug/L | 96 |
| 21) allyl chloride | 6.982 | 41 | 132874 | 47.49 | ug/L | 97 |
| 22) trans-1,2-dichloroethene | 7.578 | 96 | 88401 | 47.48 | ug/L | 95 |
| 23) iodomethane | 6.803 | 142 | 140822 | 57.49 | ug/L | 99 |
| 24) carbon disulfide | 7.174 | 76 | 220878 | 80.78 | ug/L | 100 |
| 25) propionitrile | 7.834 | 54 | 12552 | 47.72 | ug/L | 100 |
| 26) vinyl acetate | 7.923 | 43 | 156946 | 43.78 | ug/L | 99 |
| 27) chloroprene | 8.193 | 53 | 133733 | 46.59 | ug/L | 97 |
| 28) di-isopropyl ether | 8.230 | 45 | 314575 | 44.47 | ug/L | 99 |
| 29) methacrylonitrile | 8.342 | 41 | 55046 | 42.60 | ug/L | 95 |
| 30) 2-butanone | 8.234 | 72 | 12753 | 53.00 | ug/L # | 63 |
| 31) Hexane | 8.216 | 41 | 134853 | 41.51 | ug/L | 94 |
| 32) 1,1-dichloroethane | 7.828 | 63 | 168915 | 47.35 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.625 | 59 | 283282 | 46.17 | ug/L | 99 |
| 34) isobutyl alcohol | 8.645 | 43 | 47087 | 197.59 | ug/L | 100 |
| 35) 2,2-dichloropropane | 8.690 | 77 | 109704 | 51.15 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.397 | 96 | 101508 | 48.15 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24262.D
 Acq On : 4 Nov 2011 6:13 pm
 Operator : danat
 Sample : icc899-50
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 18:38:13 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 9.869 | 43 | 76456m | 40.64 | ug/L | |
| 38) bromochloromethane | 8.563 | 128 | 48443 | 55.49 | ug/L | 90 |
| 39) chloroform | 8.601 | 83 | 165167 | 49.77 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.932 | 42 | 24223 | 38.31 | ug/L | 84 |
| 42) 1,1,1-trichloroethane | 9.355 | 97 | 131547 | 57.09 | ug/L | 98 |
| 44) Cyclohexane | 9.640 | 56 | 165383 | 48.50 | ug/L | 94 |
| 45) carbon tetrachloride | 9.719 | 117 | 113873 | 67.01 | ug/L | 98 |
| 46) 1,1-dichloropropene | 9.527 | 75 | 122133 | 49.38 | ug/L | 99 |
| 47) benzene | 9.752 | 78 | 374611 | 50.91 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.251 | 62 | 119072 | 49.56 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.870 | 73 | 244441 | 47.65 | ug/L | 97 |
| 50) heptane | 10.230 | 43 | 127585 | 41.36 | ug/L | 95 |
| 51) trichloroethene | 10.371 | 95 | 92019 | 50.04 | ug/L | 97 |
| 52) 1,2-dichloropropane | 10.337 | 63 | 97079 | 49.21 | ug/L | 97 |
| 53) dibromomethane | 10.311 | 93 | 57020 | 57.42 | ug/L | 97 |
| 54) bromodichloromethane | 10.423 | 83 | 114071 | 71.37 | ug/L | 99 |
| 55) Methylcyclohexane | 10.891 | 83 | 162997 | 49.10 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.796 | 63 | 56092 | 48.70 | ug/L | 99 |
| 57) methyl methacrylate | 10.520 | 69 | 55353 | 51.27 | ug/L | 96 |
| 58) 1,4-dioxane | 10.528 | 88 | 3961 | 301.45 | ug/L | 100 |
| 59) cis-1,3-dichloropropene | 11.042 | 75 | 132388 | 68.14 | ug/L | 96 |
| 61) 4-methyl-2-pentanone | 11.148 | 43 | 76863 | 43.10 | ug/L | 97 |
| 62) toluene | 11.820 | 92 | 224098 | 50.75 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 11.461 | 75 | 105547 | 74.12 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 11.633 | 83 | 68520 | 51.80 | ug/L | 98 |
| 65) ethyl methacrylate | 10.890 | 69 | 34156 | 47.28 | ug/L | 90 |
| 67) tetrachloroethene | 12.562 | 166 | 88613 | 53.36 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.868 | 76 | 140928 | 52.92 | ug/L | 100 |
| 69) dibromochloromethane | 12.161 | 129 | 77229 | 85.91 | ug/L | 97 |
| 70) 1,2-dibromoethane | 12.412 | 107 | 75732 | 59.00 | ug/L | 99 |
| 71) 2-hexanone | 12.018 | 43 | 61470 | 47.78 | ug/L | 93 |
| 72) chlorobenzene | 13.241 | 112 | 241965 | 51.14 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.160 | 131 | 83497 | 70.65 | ug/L | 99 |
| 74) ethylbenzene | 13.416 | 91 | 419213 | 50.63 | ug/L | 100 |
| 75) m,p-xylene | 13.599 | 106 | 326267 | 103.50 | ug/L | 99 |
| 76) o-xylene | 14.012 | 106 | 165188 | 52.62 | ug/L | 98 |
| 77) styrene | 13.939 | 104 | 255934 | 51.29 | ug/L | 98 |
| 78) bromoform | 13.767 | 173 | 48068 | 94.48 | ug/L | 95 |
| 79) trans-1,4-dichloro-2-b... | 14.162 | 53 | 27035 | 54.37 | ug/L # | 83 |
| 81) isopropylbenzene | 14.375 | 105 | 365169 | 49.54 | ug/L | 99 |
| 83) bromobenzene | 14.663 | 156 | 101297 | 53.25 | ug/L | 96 |
| 84) 1,1,2,2-tetrachloroethane | 14.015 | 83 | 111410 | 53.24 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 14.164 | 75 | 114451 | 54.41 | ug/L | 100 |
| 86) n-propylbenzene | 14.820 | 91 | 500912 | 48.38 | ug/L | 100 |
| 87) 2-chlorotoluene | 14.938 | 91 | 305704 | 48.41 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.014 | 91 | 307914 | 48.48 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.096 | 105 | 366012 | 49.70 | ug/L | 100 |
| 90) tert-butylbenzene | 15.401 | 91 | 206325 | 48.94 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 366070 | 49.54 | ug/L | 100 |
| 92) sec-butylbenzene | 15.623 | 105 | 480842 | 49.75 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24262.D
 Acq On : 4 Nov 2011 6:13 pm
 Operator : danat
 Sample : icc899-50
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 18:38:13 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration

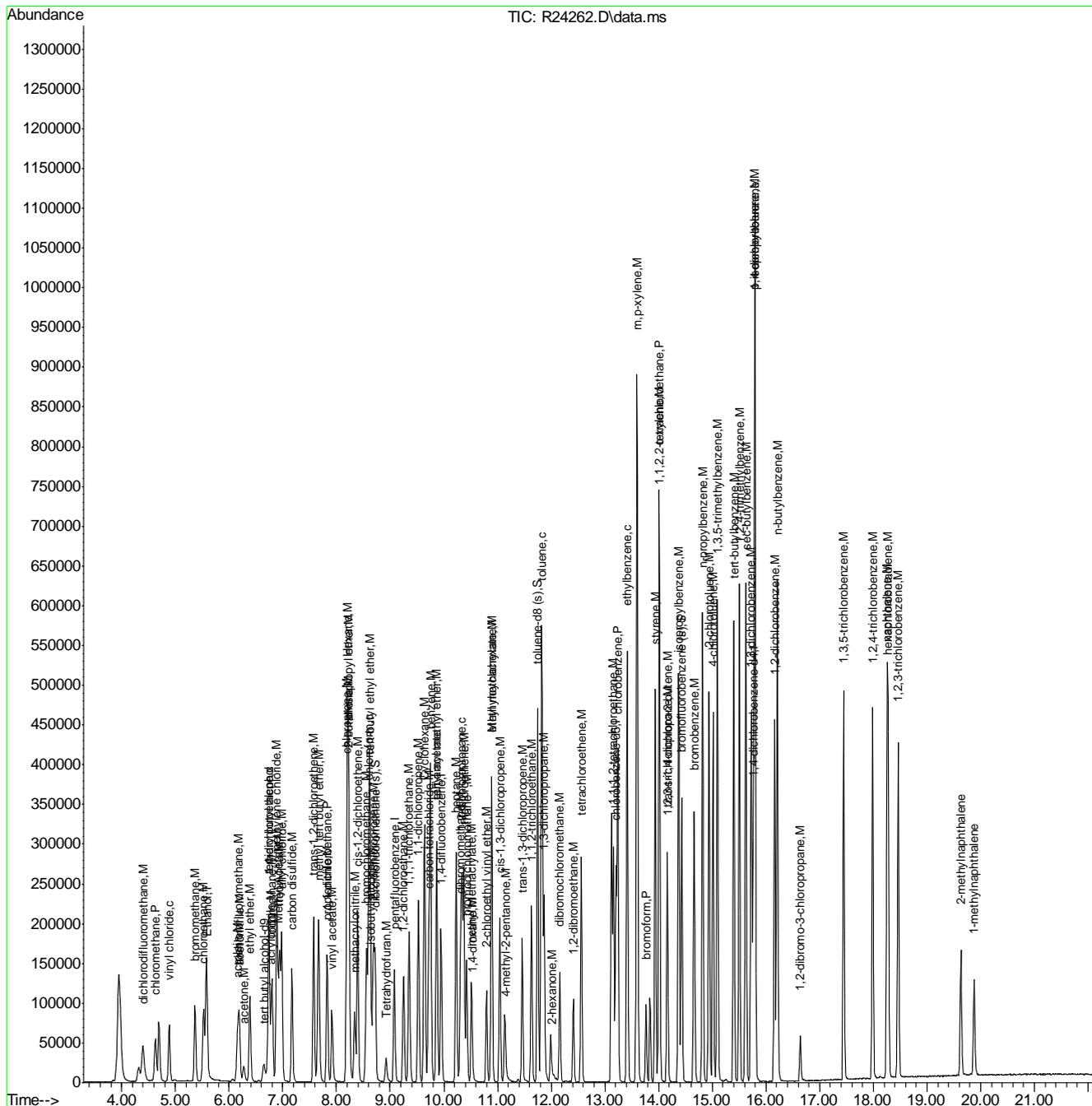
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 199718 | 50.50 | ug/L | 98 |
| 94) p-isopropyltoluene | 15.795 | 119 | 384868 | 50.77 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.792 | 146 | 217076 | 50.37 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.160 | 146 | 198700 | 50.76 | ug/L | 99 |
| 97) n-butylbenzene | 16.212 | 91 | 388460 | 48.68 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 16.641 | 75 | 16883 | 69.18 | ug/L | 98 |
| 99) 1,3,5-trichlorobenzene | 17.448 | 180 | 162294 | 51.28 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.988 | 180 | 155770 | 53.74 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.278 | 225 | 83433 | 56.89 | ug/L | 99 |
| 102) naphthalene | 18.257 | 128 | 357853 | 52.21 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.463 | 180 | 147499 | 54.54 | ug/L | 100 |
| 104) 1-methylnaphthalene | 19.879 | 142 | 75118 | 55.14 | ug/L | 84 |
| 105) 2-methylnaphthalene | 19.632 | 142 | 92013 | 26.87 | ug/L # | 84 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24262.D
 Acq On : 4 Nov 2011 6:13 pm
 Operator : danat
 Sample : icc899-50
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 18:38:13 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 16:02:01 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24263.D
 Acq On : 4 Nov 2011 6:42 pm
 Operator : danat
 Sample : ic899-100
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 12:02:38 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:01:41 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 6.660 | 65 | 37994 | 500.00 | ug/L | 0.00 | |
| 4) pentafluorobenzene | 9.078 | 168 | 109283 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 9.950 | 114 | 176391 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 13.205 | 82 | 94648 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 90956 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 8.720 | 113 | 189148 | 101.94 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 203.88%# | |
| 60) toluene-d8 (s) | 11.746 | 98 | 691500 | 101.44 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 202.88%# | |
| 82) bromofluorobenzene (s) | 14.430 | 95 | 281772 | 99.85 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 199.70%# | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.741 | 59 | 131950 | 1087.75 | ug/L | | 96 |
| 3) Ethanol | 5.590 | 45 | 222207 | 11131.98 | ug/L | | 99 |
| 5) dichlorodifluoromethane | 4.405 | 85 | 177331 | 101.34 | ug/L | | 97 |
| 6) chloromethane | 4.636 | 50 | 177689 | 96.81 | ug/L | | 97 |
| 7) vinyl chloride | 4.889 | 62 | 179197 | 91.28 | ug/L | | 99 |
| 8) bromomethane | 5.368 | 96 | 156143 | 96.75 | ug/L | | 100 |
| 9) chloroethane | 5.526 | 64 | 145019 | 100.77 | ug/L | | 97 |
| 10) ethyl ether | 6.387 | 59 | 160583 | 107.91 | ug/L | | 100 |
| 11) acetonitrile | 6.181 | 41 | 28422 | 114.23 | ug/L | | 97 |
| 12) trichlorofluoromethane | 6.177 | 101 | 288555 | 97.56 | ug/L | | 99 |
| 13) freon-113 | 6.941 | 101 | 181036 | 100.65 | ug/L | | 100 |
| 14) acrolein | 6.157 | 56 | 15917 | 537.61 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 6.742 | 96 | 158303 | 98.97 | ug/L | | 98 |
| 16) acetone | 6.276 | 43 | 71074 | 102.23 | ug/L | | 96 |
| 17) Methyl Acetate | 6.908 | 43 | 220256 | 107.44 | ug/L | | 98 |
| 18) methylene chloride | 6.889 | 84 | 207896 | 97.16 | ug/L | | 98 |
| 19) methyl tert butyl ether | 7.668 | 73 | 524573 | 108.89 | ug/L | | 99 |
| 20) acrylonitrile | 6.781 | 53 | 71182 | 532.16 | ug/L | | 97 |
| 21) allyl chloride | 6.981 | 41 | 277819 | 107.08 | ug/L | | 97 |
| 22) trans-1,2-dichloroethene | 7.576 | 96 | 182443 | 99.06 | ug/L | | 100 |
| 23) iodomethane | 6.802 | 142 | 291856 | 103.03 | ug/L | | 99 |
| 24) carbon disulfide | 7.173 | 76 | 491361 | 121.78 | ug/L | | 99 |
| 25) propionitrile | 7.829 | 54 | 27303 | 114.38 | ug/L | | 100 |
| 26) vinyl acetate | 7.919 | 43 | 338616 | 117.83 | ug/L | | 99 |
| 27) chloroprene | 8.191 | 53 | 278480 | 107.96 | ug/L | | 100 |
| 28) di-isopropyl ether | 8.228 | 45 | 650368 | 106.95 | ug/L | | 97 |
| 29) methacrylonitrile | 8.338 | 41 | 111360 | 103.09 | ug/L | | 99 |
| 30) 2-butanone | 8.229 | 72 | 27190 | 115.89 | ug/L | # | 81 |
| 31) Hexane | 8.214 | 41 | 273818 | 100.82 | ug/L | | 98 |
| 32) 1,1-dichloroethane | 7.827 | 63 | 348043 | 101.99 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 8.624 | 59 | 604793 | 111.75 | ug/L | | 98 |
| 34) isobutyl alcohol | 8.641 | 43 | 97354 | 549.78 | ug/L | | 95 |
| 35) 2,2-dichloropropane | 8.689 | 77 | 234144 | 110.95 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 8.396 | 96 | 211656 | 103.26 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24263.D
 Acq On : 4 Nov 2011 6:42 pm
 Operator : danat
 Sample : ic899-100
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 12:02:38 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:01:41 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 9.870 | 43 | 163805m | 108.09 | ug/L | |
| 38) bromochloromethane | 8.562 | 128 | 100557 | 103.90 | ug/L | 98 |
| 39) chloroform | 8.600 | 83 | 345367 | 103.56 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.927 | 42 | 50926 | 110.18 | ug/L | 90 |
| 42) 1,1,1-trichloroethane | 9.354 | 97 | 279781 | 120.56 | ug/L | 99 |
| 44) Cyclohexane | 9.639 | 56 | 341974 | 101.90 | ug/L | 97 |
| 45) carbon tetrachloride | 9.718 | 117 | 244542 | 111.80 | ug/L | 99 |
| 46) 1,1-dichloropropene | 9.526 | 75 | 255698 | 102.51 | ug/L | 99 |
| 47) benzene | 9.751 | 78 | 783822 | 102.60 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.250 | 62 | 249019 | 101.91 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.869 | 73 | 531241 | 112.79 | ug/L | 98 |
| 50) heptane | 10.228 | 43 | 262851 | 104.13 | ug/L | 98 |
| 51) trichloroethene | 10.370 | 95 | 196214 | 102.30 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.336 | 63 | 204539 | 105.22 | ug/L | 100 |
| 53) dibromomethane | 10.310 | 93 | 119559 | 105.22 | ug/L | 99 |
| 54) bromodichloromethane | 10.422 | 83 | 246597 | 115.55 | ug/L | 98 |
| 55) Methylcyclohexane | 10.890 | 83 | 343274 | 106.17 | ug/L | 98 |
| 56) 2-chloroethyl vinyl ether | 10.793 | 63 | 123109 | 125.14 | ug/L | 99 |
| 57) methyl methacrylate | 10.515 | 69 | 123003 | 116.22 | ug/L | 97 |
| 58) 1,4-dioxane | 10.527 | 88 | 8808 | 551.15 | ug/L | 97 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 292989 | 127.91 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.139 | 43 | 167943 | 113.96 | ug/L | 99 |
| 62) toluene | 11.819 | 92 | 481465 | 109.66 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.459 | 75 | 238678 | 141.99 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 144100 | 109.21 | ug/L | 99 |
| 65) ethyl methacrylate | 10.890 | 69 | 72383 | 105.41 | ug/L | 96 |
| 67) tetrachloroethene | 12.561 | 166 | 188329 | 120.52 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 298018 | 104.27 | ug/L | 98 |
| 69) dibromochloromethane | 12.160 | 129 | 175367 | 123.41 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.411 | 107 | 163571 | 107.84 | ug/L | 99 |
| 71) 2-hexanone | 12.001 | 43 | 133115 | 119.00 | ug/L | 97 |
| 72) chlorobenzene | 13.240 | 112 | 517519 | 101.69 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.159 | 131 | 183126 | 113.54 | ug/L | 99 |
| 74) ethylbenzene | 13.414 | 91 | 898514 | 106.20 | ug/L | 99 |
| 75) m,p-xylene | 13.598 | 106 | 709992 | 219.60 | ug/L | 100 |
| 76) o-xylene | 14.011 | 106 | 357806 | 108.52 | ug/L | 98 |
| 77) styrene | 13.937 | 104 | 560553 | 112.74 | ug/L | 98 |
| 78) bromoform | 13.765 | 173 | 113854 | 133.69 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.160 | 53 | 60888 | 116.60 | ug/L | 93 |
| 81) isopropylbenzene | 14.374 | 105 | 792344 | 107.12 | ug/L | 99 |
| 83) bromobenzene | 14.662 | 156 | 221041 | 104.27 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 241077 | 105.50 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.161 | 75 | 253643 | 112.58 | ug/L | 98 |
| 86) n-propylbenzene | 14.818 | 91 | 1086994 | 106.28 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.937 | 91 | 663568 | 103.26 | ug/L | 98 |
| 88) 4-chlorotoluene | 15.012 | 91 | 664175 | 103.22 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.094 | 105 | 802381 | 109.46 | ug/L | 99 |
| 90) tert-butylbenzene | 15.400 | 91 | 454823 | 107.32 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 805385 | 108.68 | ug/L | 100 |
| 92) sec-butylbenzene | 15.622 | 105 | 1049009 | 106.86 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24263.D
 Acq On : 4 Nov 2011 6:42 pm
 Operator : danat
 Sample : ic899-100
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 12:02:38 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:01:41 2011
 Response via : Initial Calibration

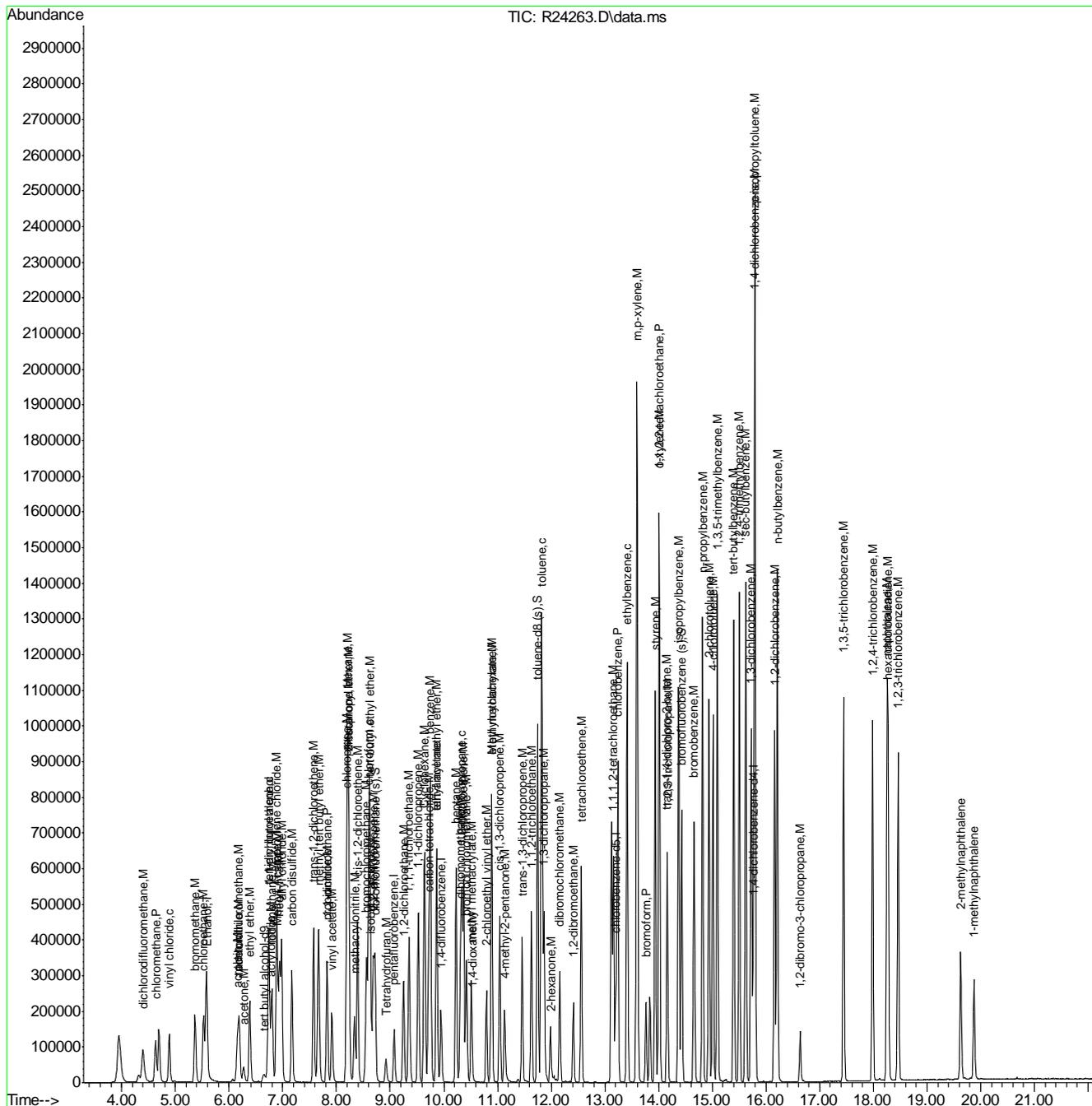
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 433760 | 101.73 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.793 | 119 | 849273 | 109.49 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 475219 | 102.91 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.159 | 146 | 431814 | 102.59 | ug/L | 99 |
| 97) n-butylbenzene | 16.210 | 91 | 845116 | 107.71 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 16.638 | 75 | 37532 | 113.18 | ug/L | 93 |
| 99) 1,3,5-trichlorobenzene | 17.446 | 180 | 353656 | 103.77 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.986 | 180 | 340351 | 105.39 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.277 | 225 | 182536 | 102.33 | ug/L | 97 |
| 102) naphthalene | 18.255 | 128 | 784463 | 108.98 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.462 | 180 | 320645 | 104.73 | ug/L | 100 |
| 104) 1-methylnaphthalene | 19.877 | 142 | 167832 | 114.36 | ug/L | 100 |
| 105) 2-methylnaphthalene | 19.629 | 142 | 208393 | 57.69 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24263.D
 Acq On : 4 Nov 2011 6:42 pm
 Operator : danat
 Sample : ic899-100
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 12:02:38 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:01:41 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24264.D
 Acq On : 4 Nov 2011 7:09 pm
 Operator : danat
 Sample : ic899-200
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 12:00:18 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:49:46 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.658 | 65 | 40560 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.076 | 168 | 114713 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.949 | 114 | 184400 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.204 | 82 | 99018 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 95866 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.719 | 113 | 398576 | 206.23 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 412.46%# |
| 60) toluene-d8 (s) | 11.745 | 98 | 1459532 | 206.47 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 412.94%# |
| 82) bromofluorobenzene (s) | 14.429 | 95 | 602161 | 203.30 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 406.60%# |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.738 | 59 | 277349 | 2180.35 | ug/L | 91 |
| 3) Ethanol | 5.585 | 45 | 458140m | 21910.28 | ug/L | |
| 5) dichlorodifluoromethane | 4.400 | 85 | 342821 | 183.57 | ug/L | 98 |
| 6) chloromethane | 4.635 | 50 | 340515 | 171.74 | ug/L | 99 |
| 7) vinyl chloride | 4.888 | 62 | 313392 | 143.48 | ug/L | 99 |
| 8) bromomethane | 5.368 | 96 | 313128 | 181.39 | ug/L | 99 |
| 9) chloroethane | 5.524 | 64 | 290679 | 190.62 | ug/L | 99 |
| 10) ethyl ether | 6.384 | 59 | 322824 | 208.40 | ug/L | 100 |
| 11) acetonitrile | 6.174 | 41 | 54473 | 211.59 | ug/L | 95 |
| 12) trichlorofluoromethane | 6.174 | 101 | 583486 | 185.15 | ug/L | 100 |
| 13) freon-113 | 6.939 | 101 | 367736 | 193.51 | ug/L | 97 |
| 14) acrolein | 6.150 | 56 | 31847 | 1033.26 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.739 | 96 | 327500 | 193.86 | ug/L | 98 |
| 16) acetone | 6.272 | 43 | 140268 | 190.35 | ug/L | 98 |
| 17) Methyl Acetate | 6.904 | 43 | 438360 | 204.66 | ug/L | 99 |
| 18) methylene chloride | 6.887 | 84 | 418488 | 183.20 | ug/L | 97 |
| 19) methyl tert butyl ether | 7.667 | 73 | 1079795 | 217.21 | ug/L | 100 |
| 20) acrylonitrile | 6.777 | 53 | 143930 | 1033.73 | ug/L | 98 |
| 21) allyl chloride | 6.978 | 41 | 568992 | 211.29 | ug/L | 95 |
| 22) trans-1,2-dichloroethene | 7.574 | 96 | 376151 | 193.25 | ug/L | 100 |
| 23) iodomethane | 6.800 | 142 | 594624 | 199.98 | ug/L | 99 |
| 24) carbon disulfide | 7.170 | 76 | 1069880 | 270.40 | ug/L | 99 |
| 25) propionitrile | 7.824 | 54 | 55681 | 230.76 | ug/L | 100 |
| 26) vinyl acetate | 7.915 | 43 | 727921 | 254.44 | ug/L | 99 |
| 27) chloroprene | 8.189 | 53 | 573735 | 215.08 | ug/L | 98 |
| 28) di-isopropyl ether | 8.226 | 45 | 1281182 | 200.88 | ug/L | 98 |
| 29) methacrylonitrile | 8.335 | 41 | 226797 | 200.02 | ug/L | 96 |
| 30) 2-butanone | 8.225 | 72 | 54846 | 231.46 | ug/L # | 77 |
| 31) Hexane | 8.212 | 41 | 531505 | 183.34 | ug/L | 93 |
| 32) 1,1-dichloroethane | 7.825 | 63 | 708132 | 197.24 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.623 | 59 | 1234666 | 222.16 | ug/L | 97 |
| 34) isobutyl alcohol | 8.637 | 43 | 191342 | 1037.02 | ug/L | 94 |
| 35) 2,2-dichloropropane | 8.688 | 77 | 487180 | 225.55 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 8.395 | 96 | 430939 | 200.36 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24264.D
 Acq On : 4 Nov 2011 7:09 pm
 Operator : danat
 Sample : ic899-200
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 12:00:18 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:49:46 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) ethyl acetate | 9.866 | 43 | 337966m | 216.96 | ug/L | |
| 38) bromochloromethane | 8.560 | 128 | 204747 | 201.93 | ug/L | 96 |
| 39) chloroform | 8.599 | 83 | 702635 | 200.89 | ug/L | 97 |
| 41) Tetrahydrofuran | 8.925 | 42 | 103633 | 217.29 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 582086 | 246.98 | ug/L | 99 |
| 44) Cyclohexane | 9.638 | 56 | 700851 | 199.70 | ug/L | 98 |
| 45) carbon tetrachloride | 9.717 | 117 | 513444 | 231.64 | ug/L | 99 |
| 46) 1,1-dichloropropene | 9.525 | 75 | 531941 | 205.03 | ug/L | 98 |
| 47) benzene | 9.749 | 78 | 1610047 | 201.92 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.248 | 62 | 500494 | 194.94 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.867 | 73 | 1108245 | 232.36 | ug/L | 98 |
| 50) heptane | 10.226 | 43 | 529569 | 200.84 | ug/L | 97 |
| 51) trichloroethene | 10.369 | 95 | 403446 | 201.52 | ug/L | 99 |
| 52) 1,2-dichloropropane | 10.334 | 63 | 419483 | 208.09 | ug/L | 99 |
| 53) dibromomethane | 10.309 | 93 | 242622 | 205.35 | ug/L | 97 |
| 54) bromodichloromethane | 10.421 | 83 | 515598 | 240.45 | ug/L | 98 |
| 55) Methylcyclohexane | 10.889 | 83 | 709168 | 212.41 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.790 | 63 | 252175 | 259.89 | ug/L | 99 |
| 57) methyl methacrylate | 10.512 | 69 | 255237 | 243.13 | ug/L | 96 |
| 58) 1,4-dioxane | 10.530 | 88 | 19734 | 1298.88 | ug/L | 87 |
| 59) cis-1,3-dichloropropene | 11.039 | 75 | 615516 | 272.61 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.133 | 43 | 340995 | 229.49 | ug/L | 98 |
| 62) toluene | 11.817 | 92 | 983642 | 218.21 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.457 | 75 | 505346 | 315.17 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.631 | 83 | 296207 | 218.76 | ug/L | 97 |
| 65) ethyl methacrylate | 10.889 | 69 | 150124 | 211.54 | ug/L | 97 |
| 67) tetrachloroethene | 12.560 | 166 | 393258 | 248.98 | ug/L | 100 |
| 68) 1,3-dichloropropane | 11.866 | 76 | 598639 | 200.25 | ug/L | 100 |
| 69) dibromochloromethane | 12.158 | 129 | 373095 | 268.05 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.410 | 107 | 335293 | 214.33 | ug/L | 98 |
| 71) 2-hexanone | 11.991 | 43 | 260808 | 231.70 | ug/L | 94 |
| 72) chlorobenzene | 13.239 | 112 | 1068544 | 200.86 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.158 | 131 | 385104 | 236.57 | ug/L | 99 |
| 74) ethylbenzene | 13.413 | 91 | 1869085 | 214.15 | ug/L | 100 |
| 75) m,p-xylene | 13.597 | 106 | 1444670 | 434.47 | ug/L | 99 |
| 76) o-xylene | 14.011 | 106 | 738700 | 218.02 | ug/L | 100 |
| 77) styrene | 13.937 | 104 | 1178739 | 234.39 | ug/L | 98 |
| 78) bromoform | 13.765 | 173 | 249720 | 311.55 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.158 | 53 | 126173 | 243.51 | ug/L | 98 |
| 81) isopropylbenzene | 14.373 | 105 | 1657654 | 216.03 | ug/L | 100 |
| 83) bromobenzene | 14.660 | 156 | 461621 | 208.32 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 14.013 | 83 | 488975 | 203.80 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.160 | 75 | 531106 | 230.48 | ug/L | 99 |
| 86) n-propylbenzene | 14.818 | 91 | 2256401 | 211.77 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.937 | 91 | 1378694 | 204.46 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.011 | 91 | 1380195 | 204.40 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.094 | 105 | 1677654 | 221.90 | ug/L | 100 |
| 90) tert-butylbenzene | 15.399 | 91 | 965656 | 220.66 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 15.502 | 105 | 1688897 | 220.70 | ug/L | 100 |
| 92) sec-butylbenzene | 15.622 | 105 | 2192627 | 215.12 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24264.D
 Acq On : 4 Nov 2011 7:09 pm
 Operator : danat
 Sample : ic899-200
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 12:00:18 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:49:46 2011
 Response via : Initial Calibration

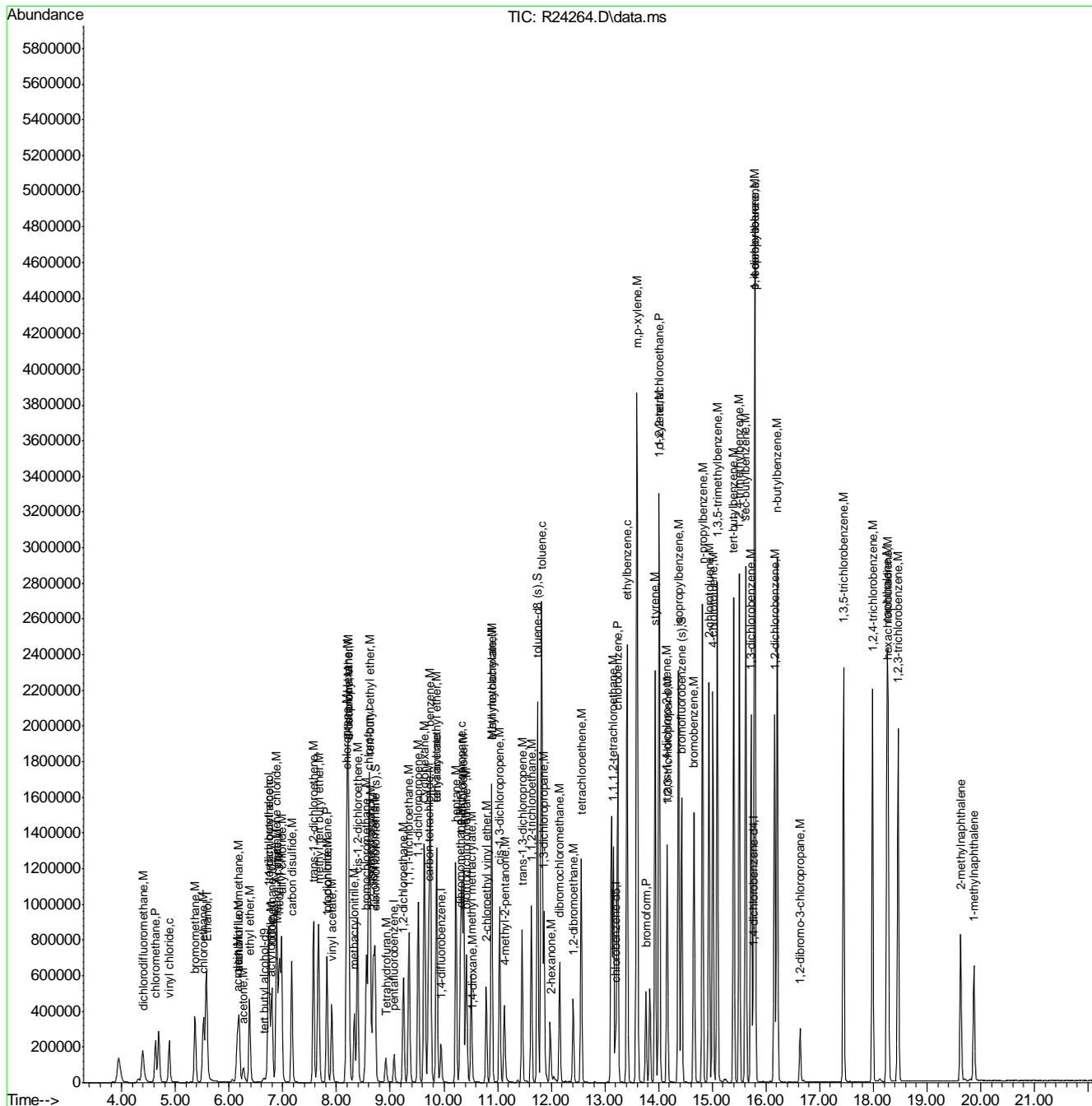
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.724 | 146 | 911587 | 203.57 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.792 | 119 | 1740105 | 216.33 | ug/L | 100 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 971568 | 199.53 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.158 | 146 | 909346 | 206.27 | ug/L | 100 |
| 97) n-butylbenzene | 16.209 | 91 | 1779323 | 219.33 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 16.637 | 75 | 82007 | 249.00 | ug/L | 94 |
| 99) 1,3,5-trichlorobenzene | 17.445 | 180 | 761853 | 215.35 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.985 | 180 | 726091 | 216.92 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.276 | 225 | 402017 | 217.59 | ug/L | 97 |
| 102) naphthalene | 18.254 | 128 | 1688678 | 229.06 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.461 | 180 | 673374 | 210.97 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.875 | 142 | 378240 | 258.96 | ug/L | 100 |
| 105) 2-methylnaphthalene | 19.628 | 142 | 475805 | 133.29 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : R24264.D
Acq On : 4 Nov 2011 7:09 pm
Operator : danat
Sample : ic899-200
Misc : MS24135,MSR899,5,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 12:00:18 2011
Quant Method : C:\msdchem\1\METHODS\R110411w.m
Quant Title : SW-846 Method 8260
QLast Update : Fri Nov 04 18:49:46 2011
Response via : Initial Calibration



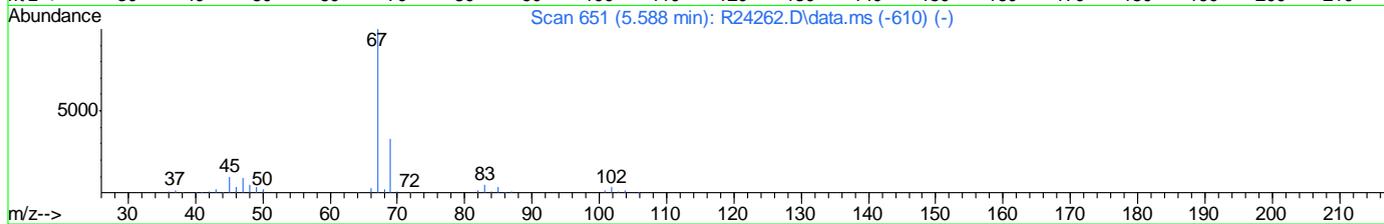
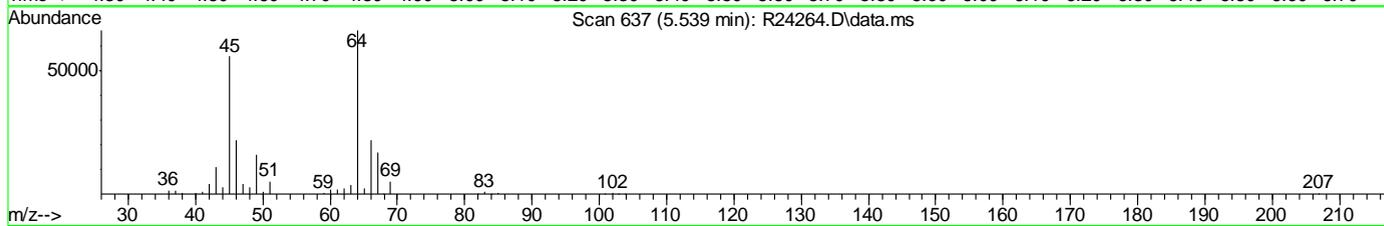
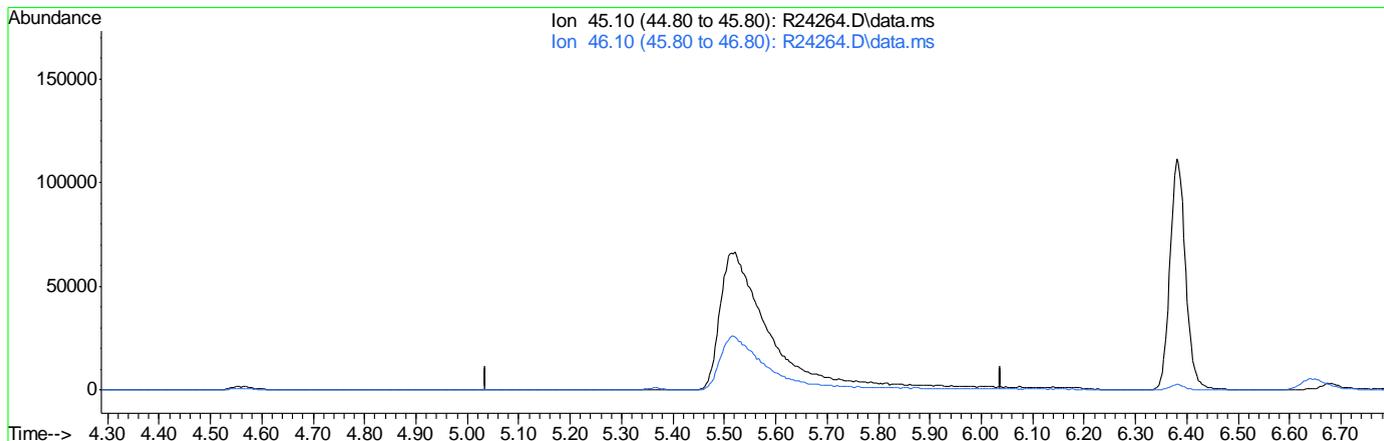
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : R24264.D
 Acq On : 4 Nov 2011 7:09 pm
 Operator : danat
 Sample : ic899-200
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 11:59:24 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Fri Nov 04 18:49:46 2011
 Response via : Initial Calibration

6.6:18.1

6



TIC: R24264.D\data.ms

(3) Ethanol (T)
 5.538min (-5.538) 0.00ug/L
 response 0

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 0.00 |
| 46.10 | 38.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:05:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 6.654 | 65 | 43589 | 500.00 | ug/L | 0.00 | |
| 4) pentafluorobenzene | 9.075 | 168 | 118564 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 9.948 | 114 | 192633 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 13.205 | 82 | 107726 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 102706 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 8.719 | 113 | 814833 | 403.20 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 806.40%# | |
| 60) toluene-d8 (s) | 11.745 | 98 | 2977407 | 398.81 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 797.62%# | |
| 82) bromofluorobenzene (s) | 14.429 | 95 | 1284406 | 403.21 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 806.42%# | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.736 | 59 | 639060 | 4525.79 | ug/L | | 84 |
| 3) Ethanol | 5.578 | 45 | 1012574m | 43397.26 | ug/L | | |
| 5) dichlorodifluoromethane | 4.400 | 85 | 674921 | 354.71 | ug/L | | 96 |
| 6) chloromethane | 4.636 | 50 | 641718 | 323.97 | ug/L | | 98 |
| 7) vinyl chloride | 4.889 | 62 | 477991 | 227.72 | ug/L | | 99 |
| 8) bromomethane | 5.369 | 96 | 655498 | 376.40 | ug/L | | 99 |
| 9) chloroethane | 5.522 | 64 | 601656 | 384.85 | ug/L | | 99 |
| 10) ethyl ether | 6.382 | 59 | 691290 | 422.60 | ug/L | | 98 |
| 11) acetonitrile | 6.169 | 41 | 119419 | 430.14 | ug/L | | 95 |
| 12) trichlorofluoromethane | 6.174 | 101 | 1239378 | 387.81 | ug/L | | 100 |
| 13) freon-113 | 6.938 | 101 | 783105 | 400.87 | ug/L | | 99 |
| 14) acrolein | 6.143 | 56 | 72583 | 2226.15 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 6.738 | 96 | 697699 | 402.75 | ug/L | | 98 |
| 16) acetone | 6.268 | 43 | 258389 | 341.29 | ug/L | | 98 |
| 17) Methyl Acetate | 6.901 | 43 | 904598 | 401.73 | ug/L | | 98 |
| 18) methylene chloride | 6.885 | 84 | 885393 | 383.22 | ug/L | | 95 |
| 19) methyl tert butyl ether | 7.666 | 73 | 2357887 | 444.55 | ug/L | | 100 |
| 20) acrylonitrile | 6.774 | 53 | 308893 | 2101.49 | ug/L | | 95 |
| 21) allyl chloride | 6.977 | 41 | 1158863 | 406.90 | ug/L | | 93 |
| 22) trans-1,2-dichloroethene | 7.572 | 96 | 803243 | 402.61 | ug/L | | 97 |
| 23) iodomethane | 6.799 | 142 | 1250868 | 404.98 | ug/L | | 99 |
| 24) carbon disulfide | 7.168 | 76 | 2399236 | 528.89 | ug/L | | 99 |
| 25) propionitrile | 7.819 | 54 | 120009 | 450.43 | ug/L | | 100 |
| 26) vinyl acetate | 7.912 | 43 | 1636860 | 509.84 | ug/L | | 98 |
| 27) chloroprene | 8.187 | 53 | 1154205 | 407.02 | ug/L | | 96 |
| 28) di-isopropyl ether | 8.226 | 45 | 2428735 | 363.90 | ug/L | | 94 |
| 29) methacrylonitrile | 8.333 | 41 | 478036 | 405.39 | ug/L | | 95 |
| 30) 2-butanone | 8.223 | 72 | 102324 | 389.61 | ug/L | # | 87 |
| 31) Hexane | 8.211 | 41 | 1002426 | 339.75 | ug/L | | 97 |
| 32) 1,1-dichloroethane | 7.824 | 63 | 1487683 | 400.70 | ug/L | | 99 |
| 33) tert-butyl ethyl ether | 8.623 | 59 | 2507152 | 418.80 | ug/L | | 97 |
| 34) isobutyl alcohol | 8.634 | 43 | 391096 | 2002.48 | ug/L | | 96 |
| 35) 2,2-dichloropropane | 8.689 | 77 | 1031129 | 442.29 | ug/L | | 96 |
| 36) cis-1,2-dichloroethene | 8.393 | 96 | 908475 | 406.31 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:05:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 37) ethyl acetate | 9.866 | 43 | 722639m | 432.52 | ug/L | |
| 38) bromochloromethane | 8.559 | 128 | 433642 | 410.31 | ug/L | 93 |
| 39) chloroform | 8.597 | 83 | 1410808 | 387.62 | ug/L | 97 |
| 41) Tetrahydrofuran | 8.922 | 42 | 226523 | 444.19 | ug/L | 95 |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 1259551 | 487.74 | ug/L | 98 |
| 44) Cyclohexane | 9.638 | 56 | 1481480 | 402.94 | ug/L | 99 |
| 45) carbon tetrachloride | 9.717 | 117 | 1099274 | 451.30 | ug/L | 100 |
| 46) 1,1-dichloropropene | 9.523 | 75 | 1133095 | 414.24 | ug/L | 97 |
| 47) benzene | 9.748 | 78 | 3396675 | 405.61 | ug/L | 99 |
| 48) 1,2-dichloroethane | 9.247 | 62 | 1061959 | 396.69 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.867 | 73 | 2415389 | 459.78 | ug/L | 98 |
| 50) heptane | 10.225 | 43 | 1089422 | 392.48 | ug/L | 94 |
| 51) trichloroethene | 10.368 | 95 | 861803 | 409.87 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.334 | 63 | 874720 | 408.48 | ug/L | 100 |
| 53) dibromomethane | 10.308 | 93 | 512969 | 409.83 | ug/L | 95 |
| 54) bromodichloromethane | 10.421 | 83 | 1128352 | 471.90 | ug/L | 98 |
| 55) Methylcyclohexane | 10.889 | 83 | 1505502 | 422.02 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.789 | 63 | 560990 | 501.17 | ug/L | 100 |
| 57) methyl methacrylate | 10.509 | 69 | 576539 | 483.15 | ug/L | 92 |
| 58) 1,4-dioxane | 10.525 | 88 | 44181 | 2468.35 | ug/L | 100 |
| 59) cis-1,3-dichloropropene | 11.038 | 75 | 1356909 | 521.65 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.129 | 43 | 745298 | 450.50 | ug/L | 96 |
| 62) toluene | 11.817 | 92 | 1941182 | 398.44 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 11.457 | 75 | 1133153 | 582.34 | ug/L | 98 |
| 64) 1,1,2-trichloroethane | 11.630 | 83 | 650177 | 444.38 | ug/L | 96 |
| 65) ethyl methacrylate | 10.889 | 69 | 319053 | 421.65 | ug/L | 90 |
| 67) tetrachloroethene | 12.559 | 166 | 856174 | 469.36 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.865 | 76 | 1266506 | 386.57 | ug/L | 100 |
| 69) dibromochloromethane | 12.158 | 129 | 831858 | 495.02 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.409 | 107 | 740948 | 423.66 | ug/L | 99 |
| 71) 2-hexanone | 11.985 | 43 | 519476 | 393.09 | ug/L | 92 |
| 72) chlorobenzene | 13.239 | 112 | 2273949 | 391.46 | ug/L | 97 |
| 73) 1,1,1,2-tetrachloroethane | 13.158 | 131 | 839744 | 447.33 | ug/L | 98 |
| 74) ethylbenzene | 13.413 | 91 | 3898464 | 400.69 | ug/L | 99 |
| 75) m,p-xylene | 13.597 | 106 | 2720002 | 727.27 | ug/L | 100 |
| 76) o-xylene | 14.011 | 106 | 1449888 | 380.96 | ug/L | 100 |
| 77) styrene | 13.937 | 104 | 2506070 | 433.62 | ug/L | 97 |
| 78) bromoform | 13.764 | 173 | 573876 | 560.57 | ug/L | 100 |
| 79) trans-1,4-dichloro-2-b... | 14.157 | 53 | 278133 | 452.91 | ug/L | 97 |
| 81) isopropylbenzene | 14.373 | 105 | 3477216 | 411.43 | ug/L | 99 |
| 83) bromobenzene | 14.660 | 156 | 1014690 | 420.90 | ug/L | 97 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 964776 | 370.51 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.160 | 75 | 1173106 | 451.66 | ug/L | 99 |
| 86) n-propylbenzene | 14.818 | 91 | 4660390 | 399.34 | ug/L | 97 |
| 87) 2-chlorotoluene | 14.937 | 91 | 2936578 | 402.50 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.011 | 91 | 2957493 | 404.86 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 15.094 | 105 | 3447476 | 410.04 | ug/L | 99 |
| 90) tert-butylbenzene | 15.400 | 91 | 2021837 | 417.42 | ug/L | 100 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 3463718 | 408.02 | ug/L | 98 |
| 92) sec-butylbenzene | 15.623 | 105 | 4408184 | 393.17 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:05:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration

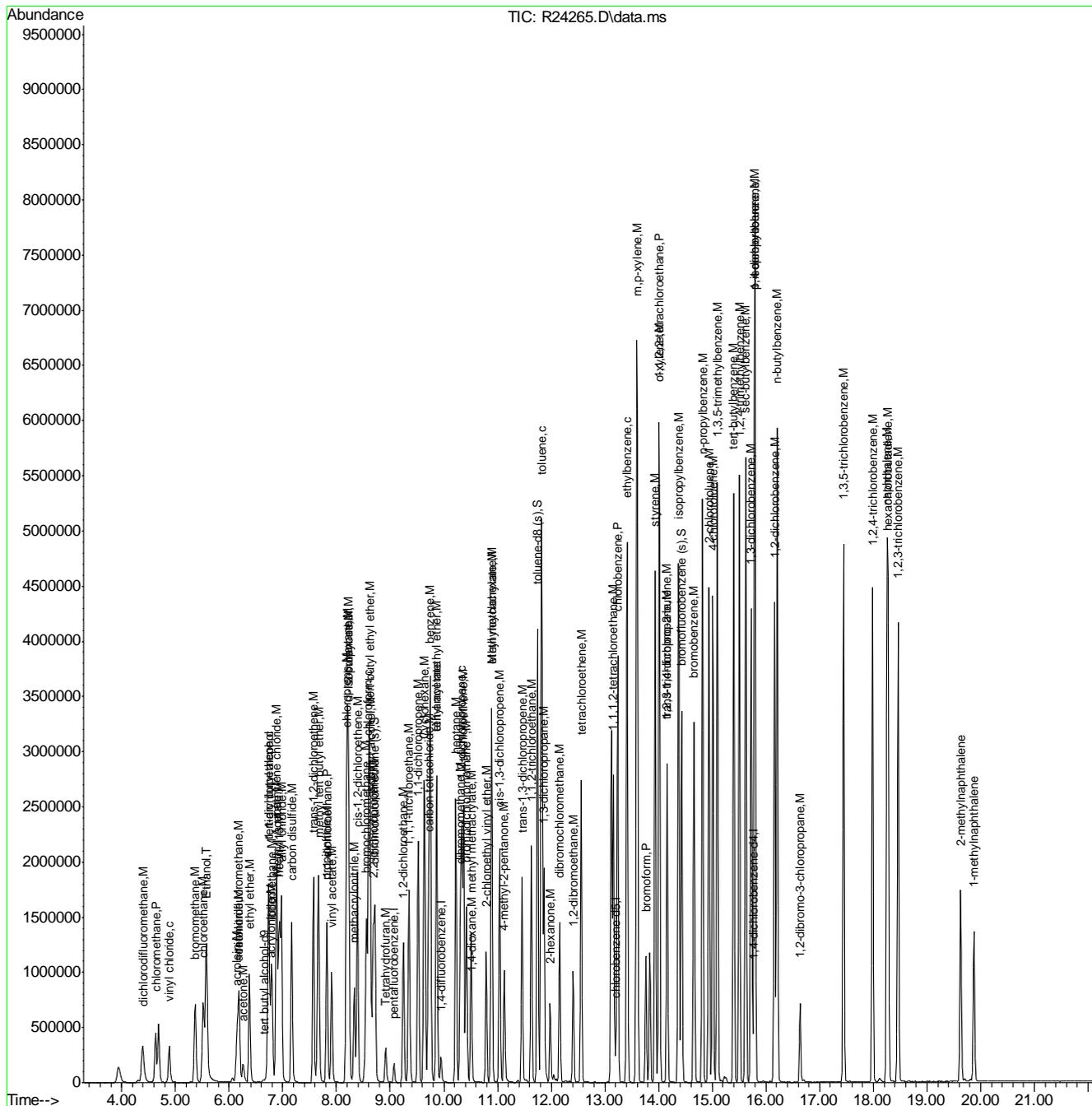
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 1958522 | 405.62 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.793 | 119 | 3139791 | 352.90 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 1806119 | 344.71 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.159 | 146 | 1973323 | 413.41 | ug/L | 99 |
| 97) n-butylbenzene | 16.209 | 91 | 3623241 | 403.78 | ug/L | 95 |
| 98) 1,2-dibromo-3-chloropr... | 16.636 | 75 | 193403 | 503.22 | ug/L | 93 |
| 99) 1,3,5-trichlorobenzene | 17.446 | 180 | 1652608 | 426.76 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 17.985 | 180 | 1573382 | 427.61 | ug/L | 100 |
| 101) hexachlorobutadiene | 18.277 | 225 | 904418 | 447.28 | ug/L | 96 |
| 102) naphthalene | 18.254 | 128 | 3596382 | 435.95 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.461 | 180 | 1475475 | 423.46 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.875 | 142 | 809122 | 476.86 | ug/L | 100 |
| 105) 2-methylnaphthalene | 19.627 | 142 | 1023155 | 244.56 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:05:11 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration



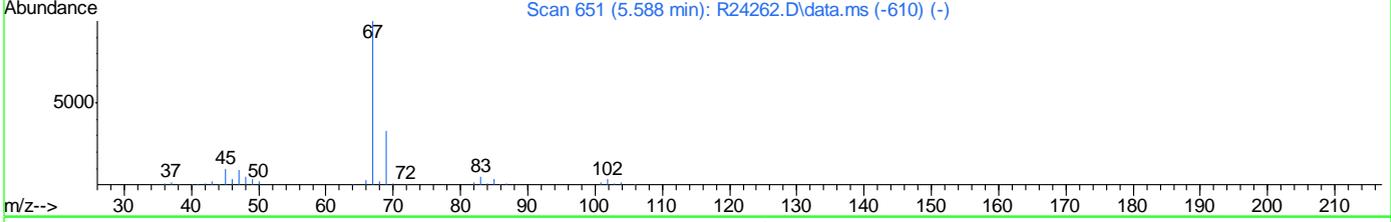
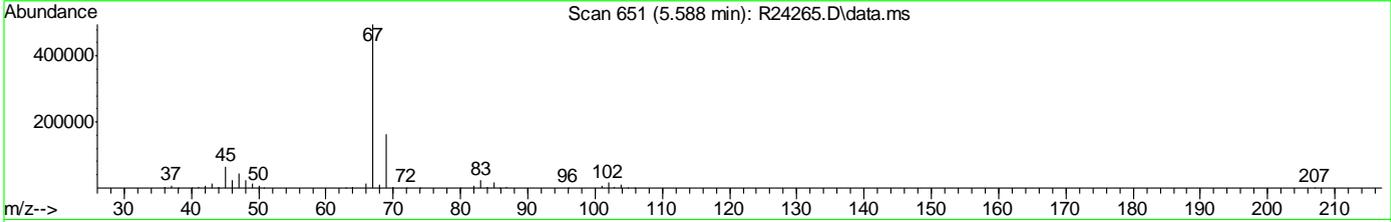
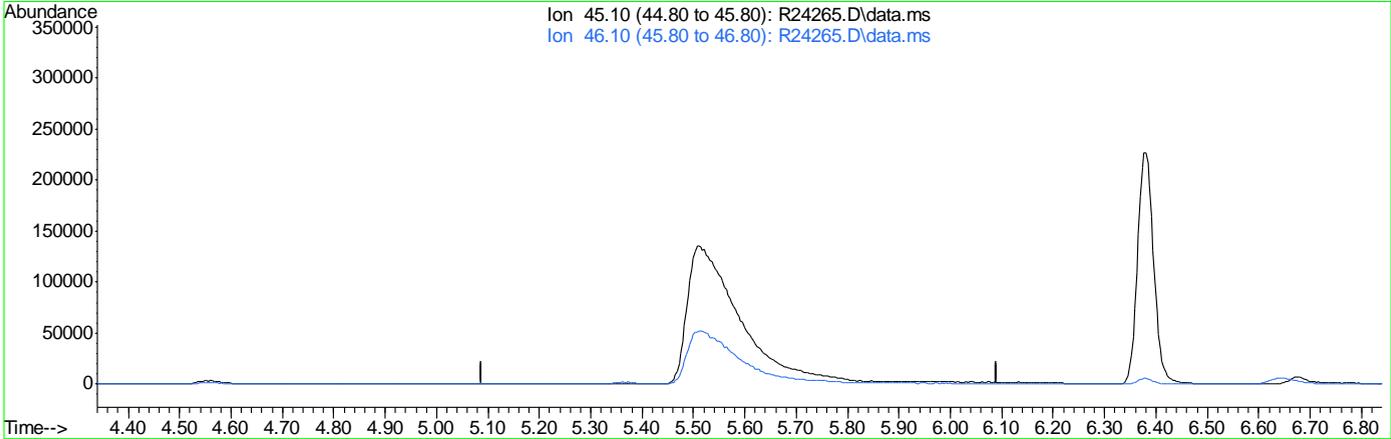
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:04:19 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration

6.6.19.1

6



TIC: R24265.D\data.ms

| | | |
|-------------------|----------|-------|
| (3) Ethanol (T) | | |
| 5.590min (-5.590) | 0.00ug/L | |
| response | 0 | |
| Ion | Exp% | Act% |
| 45.10 | 100 | 0.00 |
| 46.10 | 38.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

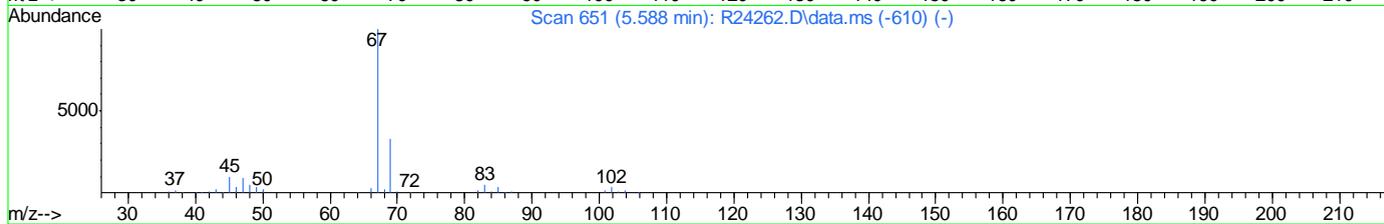
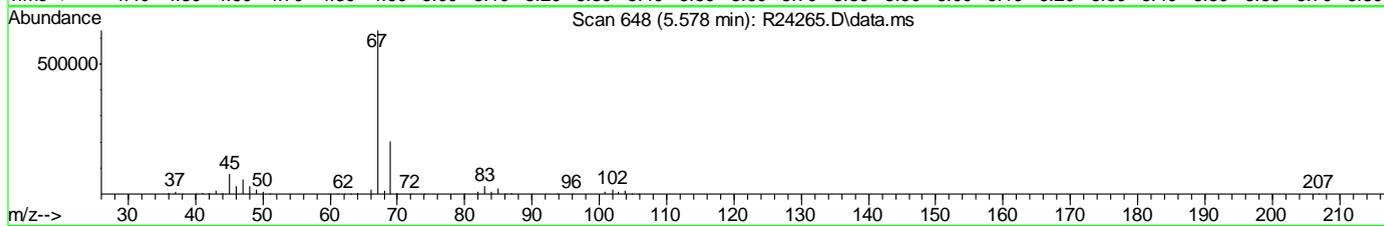
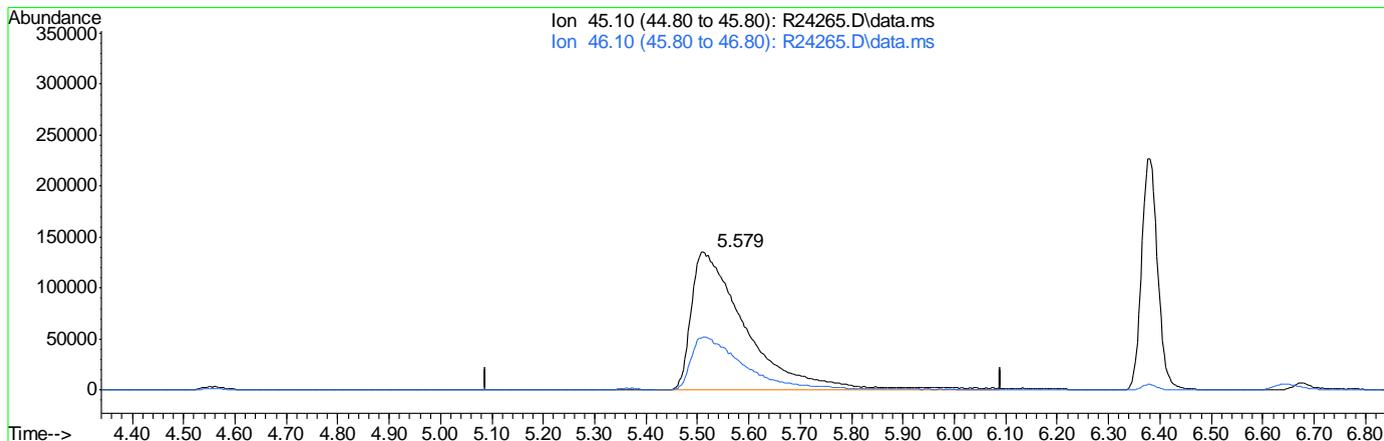
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : R24265.D
 Acq On : 4 Nov 2011 7:37 pm
 Operator : danat
 Sample : ic899-400
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 05 12:04:19 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:03:38 2011
 Response via : Initial Calibration

6.6.19.2

6



TIC: R24265.D\data.ms

(3) Ethanol (T)

5.578min (-0.012) 43397.26ug/L m

response 1012574

| Ion | Exp% | Act% |
|-------|-------|-------|
| 45.10 | 100 | 100 |
| 46.10 | 38.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24267.D
 Acq On : 4 Nov 2011 8:34 pm
 Operator : danat
 Sample : icv899-50
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 15:04:32 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 6.662 | 65 | 39557 | 500.00 | ug/L | 0.00 | |
| 4) pentafluorobenzene | 9.080 | 168 | 116203 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 9.951 | 114 | 184470 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 13.204 | 82 | 102152 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 93026 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 8.722 | 113 | 96492 | 48.65 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.30% | |
| 60) toluene-d8 (s) | 11.747 | 98 | 355125 | 49.70 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.40% | |
| 82) bromofluorobenzene (s) | 14.431 | 95 | 142876 | 49.45 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.90% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.743 | 59 | 65132 | 498.91 | ug/L | | 96 |
| 3) Ethanol | 5.598 | 45 | 108114 | 5044.68 | ug/L | | 99 |
| 5) dichlorodifluoromethane | 4.407 | 85 | 90541 | 49.35 | ug/L | | 96 |
| 6) chloromethane | 4.634 | 50 | 92119 | 48.78 | ug/L | | 95 |
| 7) vinyl chloride | 4.888 | 62 | 99784 | 48.50 | ug/L | | 100 |
| 8) bromomethane | 5.368 | 96 | 83271 | 49.20 | ug/L | | 98 |
| 9) chloroethane | 5.527 | 64 | 77408 | 50.80 | ug/L | | 97 |
| 10) ethyl ether | 6.390 | 59 | 82057 | 50.77 | ug/L | | 96 |
| 11) acetonitrile | 6.185 | 41 | 13868 | 48.10 | ug/L | | 91 |
| 12) trichlorofluoromethane | 6.178 | 101 | 156762 | 50.27 | ug/L | | 100 |
| 13) freon-113 | 6.942 | 101 | 96275 | 50.27 | ug/L | | 99 |
| 14) acrolein | 6.160 | 56 | 9711 | 298.27 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 6.744 | 96 | 85893 | 50.54 | ug/L | | 99 |
| 16) acetone | 6.280 | 43 | 36732 | 50.56 | ug/L | | 96 |
| 17) Methyl Acetate | 6.912 | 43 | 111065 | 50.30 | ug/L | | 98 |
| 18) methylene chloride | 6.891 | 84 | 108034 | 48.00 | ug/L | | 98 |
| 19) methyl tert butyl ether | 7.669 | 73 | 264520 | 50.09 | ug/L | | 99 |
| 20) acrylonitrile | 6.785 | 53 | 35673 | 245.55 | ug/L | | 98 |
| 21) allyl chloride | 6.983 | 41 | 147048 | 52.55 | ug/L | | 96 |
| 22) trans-1,2-dichloroethene | 7.578 | 96 | 96859 | 49.49 | ug/L | | 100 |
| 23) iodomethane | 6.804 | 142 | 154040 | 50.79 | ug/L | | 99 |
| 24) carbon disulfide | 7.175 | 76 | 261302 | 50.98 | ug/L | | 100 |
| 25) propionitrile | 7.833 | 54 | 12847 | 48.19 | ug/L | | 100 |
| 26) vinyl acetate | 7.924 | 43 | 153262 | 44.29 | ug/L | | 99 |
| 27) chloroprene | 8.193 | 53 | 147729 | 53.02 | ug/L | | 100 |
| 28) di-isopropyl ether | 8.230 | 45 | 338827 | 52.48 | ug/L | | 97 |
| 29) methacrylonitrile | 8.342 | 41 | 57878 | 49.97 | ug/L | | 98 |
| 30) 2-butanone | 8.233 | 72 | 13267 | 51.77 | ug/L | # | 89 |
| 31) Hexane | 8.216 | 41 | 143572 | 50.74 | ug/L | | 98 |
| 32) 1,1-dichloroethane | 7.828 | 63 | 184478 | 50.69 | ug/L | | 98 |
| 33) tert-butyl ethyl ether | 8.625 | 59 | 306421 | 51.88 | ug/L | | 98 |
| 34) isobutyl alcohol | 8.642 | 43 | 48820 | 255.00 | ug/L | | 91 |
| 35) 2,2-dichloropropane | 8.690 | 77 | 112695 | 48.59 | ug/L | | 100 |
| 36) cis-1,2-dichloroethene | 8.397 | 96 | 111129 | 50.60 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24267.D
 Acq On : 4 Nov 2011 8:34 pm
 Operator : danat
 Sample : icv899-50
 Misc : MS24135,MSR899,5,,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 15:04:32 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 9.870 | 43 | 81991m | 49.40 | ug/L | |
| 38) bromochloromethane | 8.563 | 128 | 51607 | 49.64 | ug/L | 99 |
| 39) chloroform | 8.601 | 83 | 180104 | 50.71 | ug/L | 100 |
| 41) Tetrahydrofuran | 8.930 | 42 | 25153 | 49.54 | ug/L | 95 |
| 42) 1,1,1-trichloroethane | 9.355 | 97 | 146688 | 49.52 | ug/L | 99 |
| 44) Cyclohexane | 9.640 | 56 | 181339 | 51.45 | ug/L | 98 |
| 45) carbon tetrachloride | 9.719 | 117 | 127098 | 53.51 | ug/L | 98 |
| 46) 1,1-dichloropropene | 9.528 | 75 | 135134 | 51.33 | ug/L | 98 |
| 47) benzene | 9.752 | 78 | 408046 | 50.79 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.251 | 62 | 127802 | 49.91 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.870 | 73 | 266077 | 51.78 | ug/L | 99 |
| 50) heptane | 10.230 | 43 | 134243 | 50.64 | ug/L | 99 |
| 51) trichloroethene | 10.370 | 95 | 104370 | 51.65 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.337 | 63 | 105757 | 51.42 | ug/L | 100 |
| 53) dibromomethane | 10.311 | 93 | 60910 | 50.64 | ug/L | 97 |
| 54) bromodichloromethane | 10.423 | 83 | 123907 | 52.76 | ug/L | 100 |
| 55) Methylcyclohexane | 10.890 | 83 | 180665 | 52.47 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.795 | 63 | 60264 | 48.70 | ug/L | 99 |
| 57) methyl methacrylate | 10.519 | 69 | 59048 | 49.07 | ug/L | 96 |
| 58) 1,4-dioxane | 10.526 | 88 | 3810 | 238.79 | ug/L | 97 |
| 59) cis-1,3-dichloropropene | 11.042 | 75 | 143545 | 47.74 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.148 | 43 | 79639 | 49.23 | ug/L | 99 |
| 62) toluene | 11.820 | 92 | 246356 | 52.83 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.460 | 75 | 115408 | 47.31 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.633 | 83 | 72585 | 51.00 | ug/L | 97 |
| 65) ethyl methacrylate | 10.890 | 69 | 37655 | 51.57 | ug/L | 93 |
| 67) tetrachloroethene | 12.562 | 166 | 98743 | 48.85 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.868 | 76 | 150311 | 48.61 | ug/L | 100 |
| 69) dibromochloromethane | 12.161 | 129 | 85380 | 46.78 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.412 | 107 | 82230 | 49.17 | ug/L | 99 |
| 71) 2-hexanone | 12.017 | 43 | 63030 | 44.82 | ug/L | 97 |
| 72) chlorobenzene | 13.241 | 112 | 264587 | 48.18 | ug/L | 99 |
| 73) 1,1,1,2-tetrachloroethane | 13.160 | 131 | 91672 | 50.64 | ug/L | 99 |
| 74) ethylbenzene | 13.416 | 91 | 463042 | 50.18 | ug/L | 98 |
| 75) m,p-xylene | 13.599 | 106 | 359279 | 102.64 | ug/L | 99 |
| 76) o-xylene | 14.012 | 106 | 181541 | 50.65 | ug/L | 99 |
| 77) styrene | 13.938 | 104 | 280660 | 50.60 | ug/L | 99 |
| 78) bromoform | 13.766 | 173 | 53723 | 45.76 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 28046 | 47.12 | ug/L | 92 |
| 81) isopropylbenzene | 14.375 | 105 | 406413 | 52.88 | ug/L | 100 |
| 83) bromobenzene | 14.663 | 156 | 111695 | 50.77 | ug/L | 95 |
| 84) 1,1,2,2-tetrachloroethane | 14.015 | 83 | 115124 | 49.33 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 122006 | 50.92 | ug/L | 99 |
| 86) n-propylbenzene | 14.819 | 91 | 554928 | 52.51 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.938 | 91 | 338314 | 51.15 | ug/L | 99 |
| 88) 4-chlorotoluene | 15.014 | 91 | 341113 | 51.47 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.096 | 105 | 403752 | 52.83 | ug/L | 100 |
| 90) tert-butylbenzene | 15.400 | 91 | 232525 | 52.67 | ug/L | 100 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 405266 | 52.56 | ug/L | 99 |
| 92) sec-butylbenzene | 15.623 | 105 | 535058 | 52.82 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24267.D
 Acq On : 4 Nov 2011 8:34 pm
 Operator : danat
 Sample : icv899-50
 Misc : MS24135,MSR899,5,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 15:04:32 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 219968 | 50.20 | ug/L | 100 |
| 94) p-isopropyltoluene | 15.794 | 119 | 423321 | 53.43 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.792 | 146 | 236294 | 50.79 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.160 | 146 | 218871 | 50.38 | ug/L | 99 |
| 97) n-butylbenzene | 16.212 | 91 | 427749 | 52.56 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 16.640 | 75 | 17695 | 48.65 | ug/L | 97 |
| 99) 1,3,5-trichlorobenzene | 17.447 | 180 | 180721 | 51.04 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 17.987 | 180 | 170513 | 50.66 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.277 | 225 | 93980 | 50.46 | ug/L | 98 |
| 102) naphthalene | 18.256 | 128 | 381893 | 50.46 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.462 | 180 | 162711 | 51.13 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.878 | 142 | 87646 | 53.22 | ug/L | 99 |
| 105) 2-methylnaphthalene | 19.631 | 142 | 105456 | 25.96 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24269.D
 Acq On : 5 Nov 2011 2:29 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24135,MSR900,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 17:26:40 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.655 | 65 | 44629 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.076 | 168 | 124556 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.947 | 114 | 192502 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.203 | 82 | 104145 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 98042 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.717 | 113 | 90416 | 42.53 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 85.06% |
| 60) toluene-d8 (s) | 11.745 | 98 | 329774 | 44.22 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.44% |
| 82) bromofluorobenzene (s) | 14.431 | 95 | 128295 | 42.14 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 84.28% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 6.736 | 59 | 71184 | 483.30 | ug/L | 96 |
| 3) Ethanol | 5.587 | 45 | 127347 | 5266.80 | ug/L | 100 |
| 5) dichlorodifluoromethane | 4.403 | 85 | 95910 | 48.77 | ug/L | 95 |
| 6) chloromethane | 4.630 | 50 | 95959 | 47.40 | ug/L | 98 |
| 7) vinyl chloride | 4.883 | 62 | 104102 | 47.21 | ug/L | 100 |
| 8) bromomethane | 5.363 | 96 | 85172 | 46.95 | ug/L | 97 |
| 9) chloroethane | 5.522 | 64 | 78940 | 48.33 | ug/L | 99 |
| 10) ethyl ether | 6.385 | 59 | 82698 | 47.74 | ug/L | 97 |
| 11) acetonitrile | 6.163 | 41 | 13859 | 44.87 | ug/L | 93 |
| 12) trichlorofluoromethane | 6.176 | 101 | 159149 | 47.61 | ug/L | 97 |
| 13) freon-113 | 6.939 | 101 | 99280 | 48.36 | ug/L | 98 |
| 14) acrolein | 6.152 | 56 | 12141 | 347.90 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.739 | 96 | 86286 | 47.37 | ug/L | 99 |
| 16) acetone | 6.274 | 43 | 39628 | 50.89 | ug/L | 94 |
| 17) Methyl Acetate | 6.906 | 43 | 115180 | 48.66 | ug/L | 100 |
| 18) methylene chloride | 6.886 | 84 | 109843 | 45.53 | ug/L | 98 |
| 19) methyl tert butyl ether | 7.665 | 73 | 271535 | 47.97 | ug/L | 99 |
| 20) acrylonitrile | 6.778 | 53 | 36941 | 237.22 | ug/L | 98 |
| 21) allyl chloride | 6.978 | 41 | 149960 | 50.00 | ug/L | 99 |
| 22) trans-1,2-dichloroethene | 7.573 | 96 | 98282 | 46.85 | ug/L | 99 |
| 23) iodomethane | 6.800 | 142 | 156208 | 48.05 | ug/L | 97 |
| 24) carbon disulfide | 7.170 | 76 | 269483 | 49.30 | ug/L | 98 |
| 25) propionitrile | 7.826 | 54 | 13904 | 48.65 | ug/L | 100 |
| 26) vinyl acetate | 7.918 | 43 | 185965 | 50.13 | ug/L | 99 |
| 27) chloroprene | 8.189 | 53 | 147897 | 49.52 | ug/L | 98 |
| 28) di-isopropyl ether | 8.226 | 45 | 340025 | 49.13 | ug/L | 98 |
| 29) methacrylonitrile | 8.337 | 41 | 58495 | 47.11 | ug/L | 96 |
| 30) 2-butanone | 8.228 | 72 | 13973 | 50.86 | ug/L | 96 |
| 31) Hexane | 8.212 | 41 | 151093 | 49.82 | ug/L | 99 |
| 32) 1,1-dichloroethane | 7.824 | 63 | 183727 | 47.09 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 8.622 | 59 | 309115 | 48.82 | ug/L | 99 |
| 34) isobutyl alcohol | 8.639 | 43 | 50452 | 245.85 | ug/L | 94 |
| 35) 2,2-dichloropropane | 8.687 | 77 | 138789 | 55.82 | ug/L | 100 |
| 36) cis-1,2-dichloroethene | 8.393 | 96 | 109769 | 46.63 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24269.D
 Acq On : 5 Nov 2011 2:29 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24135,MSR900,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 17:26:40 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 9.866 | 43 | 83701m | 47.05 | ug/L | |
| 38) bromochloromethane | 8.559 | 128 | 51362 | 46.09 | ug/L | 97 |
| 39) chloroform | 8.597 | 83 | 178972 | 47.01 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.926 | 42 | 25812 | 47.43 | ug/L | 87 |
| 42) 1,1,1-trichloroethane | 9.352 | 97 | 149634 | 47.21 | ug/L | 97 |
| 44) Cyclohexane | 9.637 | 56 | 183123 | 49.79 | ug/L | 97 |
| 45) carbon tetrachloride | 9.716 | 117 | 128929 | 52.01 | ug/L | 100 |
| 46) 1,1-dichloropropene | 9.524 | 75 | 137369 | 50.00 | ug/L | 99 |
| 47) benzene | 9.748 | 78 | 407115 | 48.56 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.247 | 62 | 127404 | 47.68 | ug/L | 99 |
| 49) tert-amyl methyl ether | 9.868 | 73 | 268350 | 50.05 | ug/L | 99 |
| 50) heptane | 10.227 | 43 | 145499 | 52.59 | ug/L | 97 |
| 51) trichloroethene | 10.368 | 95 | 100128 | 47.49 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.333 | 63 | 104656 | 48.76 | ug/L | 100 |
| 53) dibromomethane | 10.308 | 93 | 60797 | 48.44 | ug/L | 99 |
| 54) bromodichloromethane | 10.420 | 83 | 123698 | 50.47 | ug/L | 95 |
| 55) Methylcyclohexane | 10.889 | 83 | 185066 | 51.51 | ug/L | 99 |
| 56) 2-chloroethyl vinyl ether | 10.793 | 63 | 59045 | 45.96 | ug/L | 100 |
| 57) methyl methacrylate | 10.517 | 69 | 59195 | 47.39 | ug/L | 97 |
| 58) 1,4-dioxane | 10.519 | 88 | 4634 | 267.87 | ug/L | 87 |
| 59) cis-1,3-dichloropropene | 11.040 | 75 | 145648 | 46.51 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 11.144 | 43 | 81272 | 48.15 | ug/L | 100 |
| 62) toluene | 11.818 | 92 | 242664 | 49.87 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 11.458 | 75 | 117209 | 46.17 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.631 | 83 | 71607 | 48.21 | ug/L | 97 |
| 65) ethyl methacrylate | 10.888 | 69 | 38698 | 50.78 | ug/L | 99 |
| 67) tetrachloroethene | 12.561 | 166 | 96553 | 46.87 | ug/L | 99 |
| 68) 1,3-dichloropropane | 11.866 | 76 | 147439 | 46.77 | ug/L | 100 |
| 69) dibromochloromethane | 12.159 | 129 | 83577 | 45.06 | ug/L | 99 |
| 70) 1,2-dibromoethane | 12.410 | 107 | 80560 | 47.25 | ug/L | 96 |
| 71) 2-hexanone | 12.013 | 43 | 65237 | 45.60 | ug/L | 97 |
| 72) chlorobenzene | 13.239 | 112 | 258590 | 46.19 | ug/L | 100 |
| 73) 1,1,1,2-tetrachloroethane | 13.158 | 131 | 91032 | 49.33 | ug/L | 98 |
| 74) ethylbenzene | 13.415 | 91 | 451469 | 47.99 | ug/L | 99 |
| 75) m,p-xylene | 13.598 | 106 | 353019 | 98.92 | ug/L | 100 |
| 76) o-xylene | 14.012 | 106 | 177770 | 48.65 | ug/L | 100 |
| 77) styrene | 13.938 | 104 | 273461 | 48.36 | ug/L | 99 |
| 78) bromoform | 13.766 | 173 | 52436 | 44.09 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 30431 | 50.15 | ug/L | 95 |
| 81) isopropylbenzene | 14.375 | 105 | 402557 | 49.69 | ug/L | 99 |
| 83) bromobenzene | 14.663 | 156 | 108122 | 46.63 | ug/L | 98 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 119682 | 48.66 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 124474 | 49.29 | ug/L | 99 |
| 86) n-propylbenzene | 14.819 | 91 | 552686 | 49.62 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.938 | 91 | 333553 | 47.85 | ug/L | 100 |
| 88) 4-chlorotoluene | 15.014 | 91 | 334615 | 47.90 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 15.096 | 105 | 401663 | 49.87 | ug/L | 100 |
| 90) tert-butylbenzene | 15.401 | 91 | 231713 | 49.80 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 15.504 | 105 | 403204 | 49.61 | ug/L | 99 |
| 92) sec-butylbenzene | 15.623 | 105 | 536122 | 50.21 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24269.D
 Acq On : 5 Nov 2011 2:29 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24135,MSR900,5,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 17:26:40 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

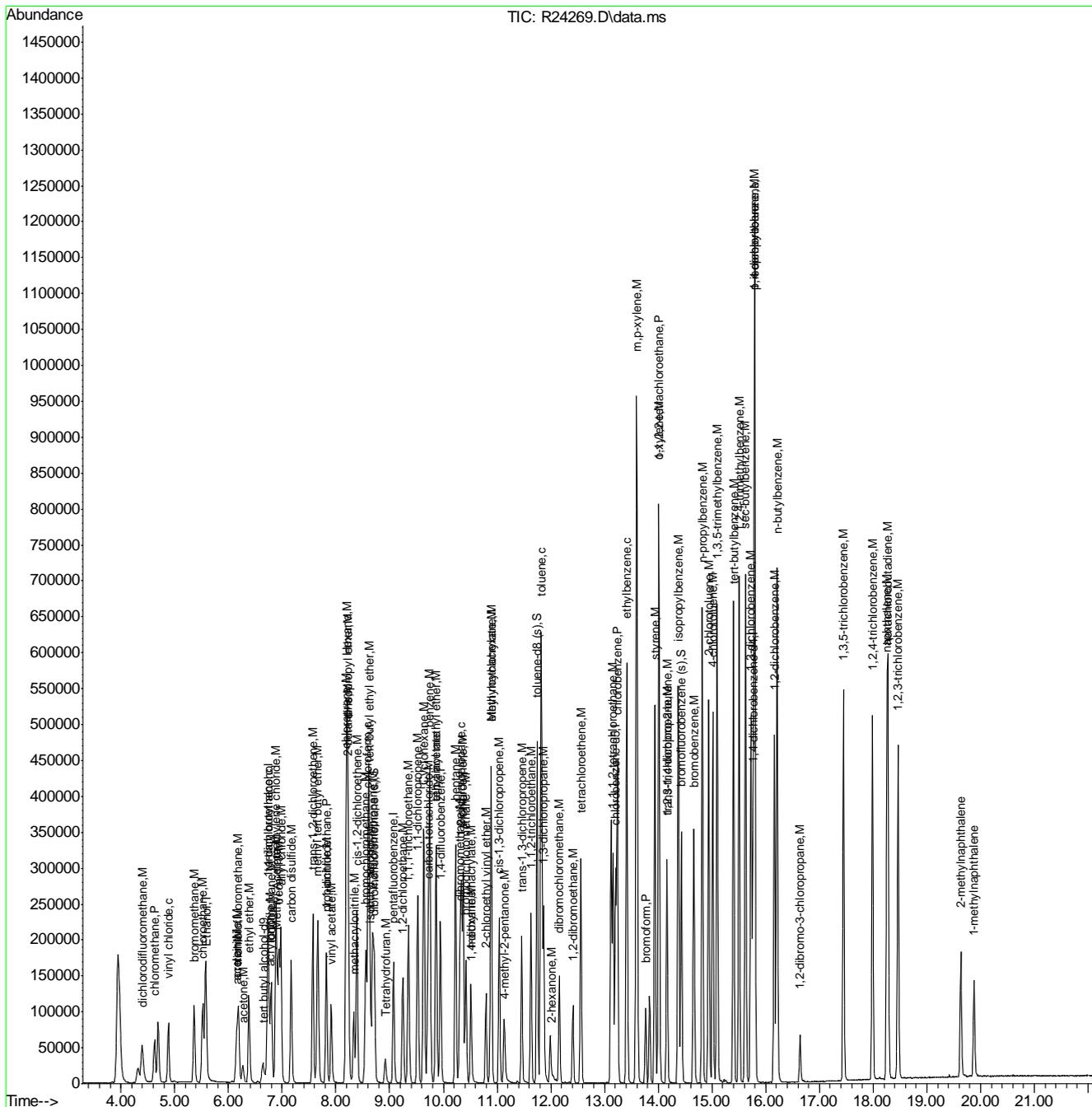
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 216935 | 46.97 | ug/L | 99 |
| 94) p-isopropyltoluene | 15.795 | 119 | 427934 | 51.25 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.792 | 146 | 234985 | 47.93 | ug/L | 98 |
| 96) 1,2-dichlorobenzene | 16.160 | 146 | 216816 | 47.36 | ug/L | 99 |
| 97) n-butylbenzene | 16.212 | 91 | 438639 | 51.14 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 16.640 | 75 | 18559 | 48.45 | ug/L | 98 |
| 99) 1,3,5-trichlorobenzene | 17.448 | 180 | 183318 | 49.12 | ug/L | 100 |
| 100) 1,2,4-trichlorobenzene | 17.988 | 180 | 172564 | 48.65 | ug/L | 97 |
| 101) hexachlorobutadiene | 18.278 | 225 | 95547 | 48.68 | ug/L | 100 |
| 102) naphthalene | 18.257 | 128 | 389515 | 48.84 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.463 | 180 | 163267 | 48.68 | ug/L | 100 |
| 104) 1-methylnaphthalene | 19.880 | 142 | 82186 | 47.35 | ug/L | 100 |
| 105) 2-methylnaphthalene | 19.632 | 142 | 101991 | 23.82 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24269.D
 Acq On : 5 Nov 2011 2:29 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24135,MSR900,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 17:26:40 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24295.D
 Acq On : 6 Nov 2011 1:52 am
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 07 12:52:30 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.696 | 65 | 25505 | 500.00 | ug/L | 0.04 |
| 4) pentafluorobenzene | 9.078 | 168 | 83285 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.950 | 114 | 139765 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.202 | 82 | 80756 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 74516 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.720 | 113 | 73872 | 51.97 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.94% |
| 60) toluene-d8 (s) | 11.747 | 98 | 267179 | 49.35 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.70% |
| 82) bromofluorobenzene (s) | 14.430 | 95 | 104581 | 45.19 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 90.38% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 6.744 | 59 | 35401 | 420.57 | ug/L | 94 |
| 3) Ethanol | 5.639 | 45 | 32820 | 2375.13 | ug/L # | 37 |
| 5) dichlorodifluoromethane | 4.414 | 85 | 84801 | 64.49 | ug/L | 94 |
| 6) chloromethane | 4.629 | 50 | 79027 | 58.38 | ug/L | 99 |
| 7) vinyl chloride | 4.881 | 62 | 92050 | 62.43 | ug/L | 99 |
| 8) bromomethane | 5.363 | 96 | 67199 | 55.40 | ug/L | 100 |
| 9) chloroethane | 5.522 | 64 | 63540 | 58.17 | ug/L | 99 |
| 10) ethyl ether | 6.387 | 59 | 66885 | 57.74 | ug/L | 99 |
| 11) acetonitrile | 6.200 | 41 | 9512 | 46.05 | ug/L | 95 |
| 12) trichlorofluoromethane | 6.176 | 101 | 126552 | 56.62 | ug/L | 100 |
| 13) freon-113 | 6.938 | 101 | 76376 | 55.64 | ug/L | 97 |
| 14) acrolein | 6.164 | 56 | 3204 | 137.31 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.741 | 96 | 65461 | 53.74 | ug/L | 95 |
| 16) acetone | 6.280 | 43 | 33017 | 63.41 | ug/L | 94 |
| 17) Methyl Acetate | 6.913 | 43 | 103317 | 65.28 | ug/L | 96 |
| 18) methylene chloride | 6.888 | 84 | 89718 | 55.61 | ug/L | 94 |
| 19) methyl tert butyl ether | 7.666 | 73 | 212038 | 56.02 | ug/L | 100 |
| 20) acrylonitrile | 6.788 | 53 | 31064 | 298.34 | ug/L | 92 |
| 21) allyl chloride | 6.980 | 41 | 117692 | 58.68 | ug/L | 98 |
| 22) trans-1,2-dichloroethene | 7.575 | 96 | 76000 | 54.18 | ug/L | 97 |
| 23) iodomethane | 6.801 | 142 | 120029 | 55.22 | ug/L | 98 |
| 24) carbon disulfide | 7.171 | 76 | 208302 | 55.96 | ug/L | 100 |
| 25) propionitrile | 7.840 | 54 | 10008 | 52.37 | ug/L | 100 |
| 26) vinyl acetate | 7.923 | 43 | 102266 | 41.23 | ug/L | 97 |
| 27) chloroprene | 8.191 | 53 | 117065 | 58.62 | ug/L | 96 |
| 28) di-isopropyl ether | 8.228 | 45 | 287603 | 62.15 | ug/L | 98 |
| 29) methacrylonitrile | 8.342 | 41 | 50986 | 61.41 | ug/L | 96 |
| 30) 2-butanone | 8.234 | 72 | 11920 | 64.89 | ug/L # | 95 |
| 31) Hexane | 8.215 | 41 | 120347 | 59.34 | ug/L | 88 |
| 32) 1,1-dichloroethane | 7.826 | 63 | 152509 | 58.46 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.623 | 59 | 248336 | 58.66 | ug/L | 100 |
| 34) isobutyl alcohol | 8.644 | 43 | 39808 | 290.11 | ug/L | 79 |
| 35) 2,2-dichloropropane | 8.688 | 77 | 77375 | 46.54 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 8.395 | 96 | 88923 | 56.49 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24295.D
 Acq On : 6 Nov 2011 1:52 am
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 07 12:52:30 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 38) bromochloromethane | 8.561 | 128 | 42367 | 56.86 | ug/L | 98 |
| 39) chloroform | 8.599 | 83 | 148753 | 58.44 | ug/L | 99 |
| 41) Tetrahydrofuran | 8.931 | 42 | 21866 | 60.09 | ug/L | 95 |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 116561 | 54.71 | ug/L | 98 |
| 44) Cyclohexane | 9.638 | 56 | 145386 | 54.44 | ug/L | 94 |
| 45) carbon tetrachloride | 9.717 | 117 | 101228 | 56.25 | ug/L | 98 |
| 46) 1,1-dichloropropene | 9.526 | 75 | 105035 | 52.66 | ug/L | 100 |
| 47) benzene | 9.750 | 78 | 332987 | 54.71 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.250 | 62 | 108900 | 56.13 | ug/L | 98 |
| 49) tert-amyl methyl ether | 9.869 | 73 | 211886 | 54.43 | ug/L | 98 |
| 50) heptane | 10.229 | 43 | 99449 | 49.51 | ug/L | 97 |
| 51) trichloroethene | 10.369 | 95 | 85039 | 55.55 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.336 | 63 | 88550 | 56.82 | ug/L | 98 |
| 53) dibromomethane | 10.310 | 93 | 51435 | 56.44 | ug/L | 98 |
| 54) bromodichloromethane | 10.423 | 83 | 101919 | 57.28 | ug/L | 95 |
| 55) Methylcyclohexane | 10.889 | 83 | 138635 | 53.14 | ug/L | 96 |
| 56) 2-chloroethyl vinyl ether | 10.795 | 63 | 49212 | 52.20 | ug/L | 99 |
| 57) methyl methacrylate | 10.519 | 69 | 49343 | 53.45 | ug/L | 96 |
| 58) 1,4-dioxane | 10.527 | 88 | 450 | 90.48 | ug/L # | 32 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 113320 | 49.59 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.148 | 43 | 71102 | 58.01 | ug/L | 98 |
| 62) toluene | 11.819 | 92 | 196855 | 55.72 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 11.460 | 75 | 90786 | 48.94 | ug/L | 100 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 61799 | 57.31 | ug/L | 98 |
| 65) ethyl methacrylate | 10.889 | 69 | 29552 | 53.41 | ug/L | 100 |
| 67) tetrachloroethene | 12.561 | 166 | 75358 | 47.17 | ug/L | 97 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 129137 | 52.83 | ug/L | 96 |
| 69) dibromochloromethane | 12.160 | 129 | 71110 | 49.08 | ug/L | 97 |
| 70) 1,2-dibromoethane | 12.412 | 107 | 67990 | 51.42 | ug/L | 99 |
| 71) 2-hexanone | 12.017 | 43 | 55024 | 50.14 | ug/L | 99 |
| 72) chlorobenzene | 13.240 | 112 | 214175 | 49.33 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.159 | 131 | 74086 | 51.77 | ug/L | 98 |
| 74) ethylbenzene | 13.415 | 91 | 366551 | 50.24 | ug/L | 99 |
| 75) m,p-xylene | 13.598 | 106 | 288029 | 104.08 | ug/L | 98 |
| 76) o-xylene | 14.011 | 106 | 146765 | 51.79 | ug/L | 97 |
| 77) styrene | 13.938 | 104 | 223366 | 50.94 | ug/L | 100 |
| 78) bromoform | 13.766 | 173 | 45203 | 48.29 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 22702 | 48.25 | ug/L # | 87 |
| 81) isopropylbenzene | 14.374 | 105 | 320699 | 52.09 | ug/L | 98 |
| 83) bromobenzene | 14.662 | 156 | 89312 | 50.68 | ug/L | 99 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 100578 | 53.80 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 105090 | 54.76 | ug/L | 98 |
| 86) n-propylbenzene | 14.819 | 91 | 446366 | 52.73 | ug/L | 99 |
| 87) 2-chlorotoluene | 14.937 | 91 | 273432 | 51.61 | ug/L | 98 |
| 88) 4-chlorotoluene | 15.013 | 91 | 273675 | 51.55 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 15.095 | 105 | 321412 | 52.50 | ug/L | 99 |
| 90) tert-butylbenzene | 15.400 | 91 | 181563 | 51.35 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 15.502 | 105 | 325676 | 52.73 | ug/L | 99 |
| 92) sec-butylbenzene | 15.622 | 105 | 428761 | 52.84 | ug/L | 99 |
| 93) 1,3-dichlorobenzene | 15.724 | 146 | 179278 | 51.07 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24295.D
 Acq On : 6 Nov 2011 1:52 am
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR901,5,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 07 12:52:30 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 94) p-isopropyltoluene | 15.793 | 119 | 339420 | 53.48 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.791 | 146 | 196354 | 52.69 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 16.159 | 146 | 178903 | 51.41 | ug/L | 99 |
| 97) n-butylbenzene | 16.211 | 91 | 345389 | 52.98 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 16.639 | 75 | 15351 | 51.99 | ug/L | 94 |
| 99) 1,3,5-trichlorobenzene | 17.446 | 180 | 140748 | 49.62 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 17.986 | 180 | 134291 | 49.81 | ug/L | 99 |
| 101) hexachlorobutadiene | 18.276 | 225 | 70990 | 47.59 | ug/L | 97 |
| 102) naphthalene | 18.255 | 128 | 304767 | 50.27 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.461 | 180 | 126495 | 49.62 | ug/L | 100 |
| 104) 1-methylnaphthalene | 19.878 | 142 | 43656 | 33.10 | ug/L | 98 |
| 105) 2-methylnaphthalene | 19.631 | 142 | 58713 | 18.04 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24315.D
 Acq On : 7 Nov 2011 12:32 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR902,5,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 15:47:45 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 6.662 | 65 | 41839 | 500.00 | ug/L | 0.00 |
| 4) pentafluorobenzene | 9.078 | 168 | 108583 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 9.949 | 114 | 172400 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 13.203 | 82 | 94257 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 15.763 | 152 | 81497 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 8.719 | 113 | 80833 | 43.62 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 87.24% |
| 60) toluene-d8 (s) | 11.747 | 98 | 294912 | 44.16 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.32% |
| 82) bromofluorobenzene (s) | 14.431 | 95 | 115138 | 45.49 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 90.98% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 6.743 | 59 | 63206 | 457.75 | ug/L | 95 |
| 3) Ethanol | 5.609 | 45 | 101369 | 4471.97 | ug/L | 96 |
| 5) dichlorodifluoromethane | 4.402 | 85 | 78734 | 45.93 | ug/L | 97 |
| 6) chloromethane | 4.633 | 50 | 75433 | 42.74 | ug/L | 100 |
| 7) vinyl chloride | 4.885 | 62 | 84868 | 44.15 | ug/L | 98 |
| 8) bromomethane | 5.365 | 96 | 71802 | 45.40 | ug/L | 100 |
| 9) chloroethane | 5.524 | 64 | 67034 | 47.07 | ug/L | 99 |
| 10) ethyl ether | 6.388 | 59 | 72763 | 48.18 | ug/L | 99 |
| 11) acetonitrile | 6.189 | 41 | 13401 | 49.73 | ug/L | 84 |
| 12) trichlorofluoromethane | 6.177 | 101 | 133477 | 45.80 | ug/L | 99 |
| 13) freon-113 | 6.939 | 101 | 83121 | 46.45 | ug/L | 96 |
| 14) acrolein | 6.163 | 56 | 7806 | 256.58 | ug/L | 100 |
| 15) 1,1-dichloroethene | 6.741 | 96 | 70923 | 44.66 | ug/L | 96 |
| 16) acetone | 6.280 | 43 | 37742 | 55.60 | ug/L | 97 |
| 17) Methyl Acetate | 6.910 | 43 | 105420 | 51.09 | ug/L | 99 |
| 18) methylene chloride | 6.888 | 84 | 94054 | 44.72 | ug/L | 98 |
| 19) methyl tert butyl ether | 7.666 | 73 | 229924 | 46.59 | ug/L | 98 |
| 20) acrylonitrile | 6.784 | 53 | 33720 | 248.39 | ug/L | 97 |
| 21) allyl chloride | 6.980 | 41 | 127552 | 48.78 | ug/L | 95 |
| 22) trans-1,2-dichloroethene | 7.575 | 96 | 81288 | 44.45 | ug/L | 98 |
| 23) iodomethane | 6.801 | 142 | 129642 | 45.75 | ug/L | 99 |
| 24) carbon disulfide | 7.172 | 76 | 230389 | 48.47 | ug/L | 99 |
| 25) propionitrile | 7.833 | 54 | 12191 | 48.93 | ug/L | 100 |
| 26) vinyl acetate | 7.920 | 43 | 166082 | 51.36 | ug/L | 99 |
| 27) chloroprene | 8.191 | 53 | 123563 | 47.46 | ug/L | 97 |
| 28) di-isopropyl ether | 8.228 | 45 | 295613 | 49.00 | ug/L | 99 |
| 29) methacrylonitrile | 8.341 | 41 | 52105 | 48.14 | ug/L | 95 |
| 30) 2-butanone | 8.232 | 72 | 12486 | 52.14 | ug/L | # 91 |
| 31) Hexane | 8.214 | 41 | 130486 | 49.35 | ug/L | 95 |
| 32) 1,1-dichloroethane | 7.826 | 63 | 158294 | 46.54 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 8.623 | 59 | 261834 | 47.44 | ug/L | 99 |
| 34) isobutyl alcohol | 8.645 | 43 | 45935 | 256.77 | ug/L | 91 |
| 35) 2,2-dichloropropane | 8.688 | 77 | 115856 | 53.46 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 8.395 | 96 | 93008 | 45.32 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24315.D
 Acq On : 7 Nov 2011 12:32 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR902,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 15:47:45 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 9.866 | 43 | 71277m | 45.96 | ug/L | |
| 38) bromochloromethane | 8.561 | 128 | 44567 | 45.88 | ug/L | 98 |
| 39) chloroform | 8.599 | 83 | 153335 | 46.21 | ug/L | 98 |
| 41) Tetrahydrofuran | 8.928 | 42 | 23661 | 49.87 | ug/L | 91 |
| 42) 1,1,1-trichloroethane | 9.353 | 97 | 122708 | 44.51 | ug/L | 99 |
| 44) Cyclohexane | 9.638 | 56 | 154898 | 47.02 | ug/L | 93 |
| 45) carbon tetrachloride | 9.717 | 117 | 107276 | 48.33 | ug/L | 99 |
| 46) 1,1-dichloropropene | 9.526 | 75 | 114418 | 46.50 | ug/L | 100 |
| 47) benzene | 9.750 | 78 | 347919 | 46.34 | ug/L | 100 |
| 48) 1,2-dichloroethane | 9.249 | 62 | 111092 | 46.42 | ug/L | 100 |
| 49) tert-amyl methyl ether | 9.869 | 73 | 226703 | 47.21 | ug/L | 99 |
| 50) heptane | 10.229 | 43 | 127912 | 51.63 | ug/L | 99 |
| 51) trichloroethene | 10.369 | 95 | 84393 | 44.69 | ug/L | 98 |
| 52) 1,2-dichloropropane | 10.335 | 63 | 91101 | 47.39 | ug/L | 99 |
| 53) dibromomethane | 10.309 | 93 | 53572 | 47.66 | ug/L | 96 |
| 54) bromodichloromethane | 10.422 | 83 | 108443 | 49.41 | ug/L | 98 |
| 55) Methylcyclohexane | 10.889 | 83 | 152974 | 47.54 | ug/L | 97 |
| 56) 2-chloroethyl vinyl ether | 10.795 | 63 | 53332 | 46.32 | ug/L | 99 |
| 57) methyl methacrylate | 10.518 | 69 | 52531 | 47.02 | ug/L | 96 |
| 58) 1,4-dioxane | 10.526 | 88 | 3115 | 216.80 | ug/L | 89 |
| 59) cis-1,3-dichloropropene | 11.041 | 75 | 128890 | 46.00 | ug/L | 99 |
| 61) 4-methyl-2-pentanone | 11.146 | 43 | 74430 | 49.23 | ug/L | 99 |
| 62) toluene | 11.819 | 92 | 204988 | 47.04 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 11.460 | 75 | 104770 | 46.09 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 11.632 | 83 | 63533 | 47.76 | ug/L | 98 |
| 65) ethyl methacrylate | 10.889 | 69 | 32481 | 47.60 | ug/L | 93 |
| 67) tetrachloroethene | 12.562 | 166 | 78493 | 42.12 | ug/L | 98 |
| 68) 1,3-dichloropropane | 11.867 | 76 | 131316 | 46.03 | ug/L | 99 |
| 69) dibromochloromethane | 12.160 | 129 | 74493 | 44.43 | ug/L | 100 |
| 70) 1,2-dibromoethane | 12.411 | 107 | 70315 | 45.57 | ug/L | 99 |
| 71) 2-hexanone | 12.015 | 43 | 58420 | 45.05 | ug/L | 99 |
| 72) chlorobenzene | 13.240 | 112 | 219752 | 43.37 | ug/L | 98 |
| 73) 1,1,1,2-tetrachloroethane | 13.159 | 131 | 76866 | 46.02 | ug/L | 97 |
| 74) ethylbenzene | 13.416 | 91 | 382346 | 44.90 | ug/L | 98 |
| 75) m,p-xylene | 13.599 | 106 | 296163 | 91.69 | ug/L | 99 |
| 76) o-xylene | 14.012 | 106 | 149225 | 45.12 | ug/L | 98 |
| 77) styrene | 13.939 | 104 | 230007 | 44.94 | ug/L | 99 |
| 78) bromoform | 13.766 | 173 | 46967 | 43.70 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 14.161 | 53 | 27611 | 50.28 | ug/L | 95 |
| 81) isopropylbenzene | 14.375 | 105 | 330902 | 49.14 | ug/L | 98 |
| 83) bromobenzene | 14.663 | 156 | 90197 | 46.80 | ug/L | 99 |
| 84) 1,1,2,2-tetrachloroethane | 14.014 | 83 | 107504 | 52.58 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 14.163 | 75 | 114883 | 54.73 | ug/L | 98 |
| 86) n-propylbenzene | 14.819 | 91 | 461641 | 49.86 | ug/L | 98 |
| 87) 2-chlorotoluene | 14.938 | 91 | 280434 | 48.40 | ug/L | 98 |
| 88) 4-chlorotoluene | 15.014 | 91 | 283441 | 48.81 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 15.096 | 105 | 330513 | 49.36 | ug/L | 99 |
| 90) tert-butylbenzene | 15.400 | 91 | 188267 | 48.68 | ug/L | 98 |
| 91) 1,2,4-trimethylbenzene | 15.503 | 105 | 333152 | 49.32 | ug/L | 99 |
| 92) sec-butylbenzene | 15.623 | 105 | 436582 | 49.19 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24315.D
 Acq On : 7 Nov 2011 12:32 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR902,5,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 15:47:45 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration

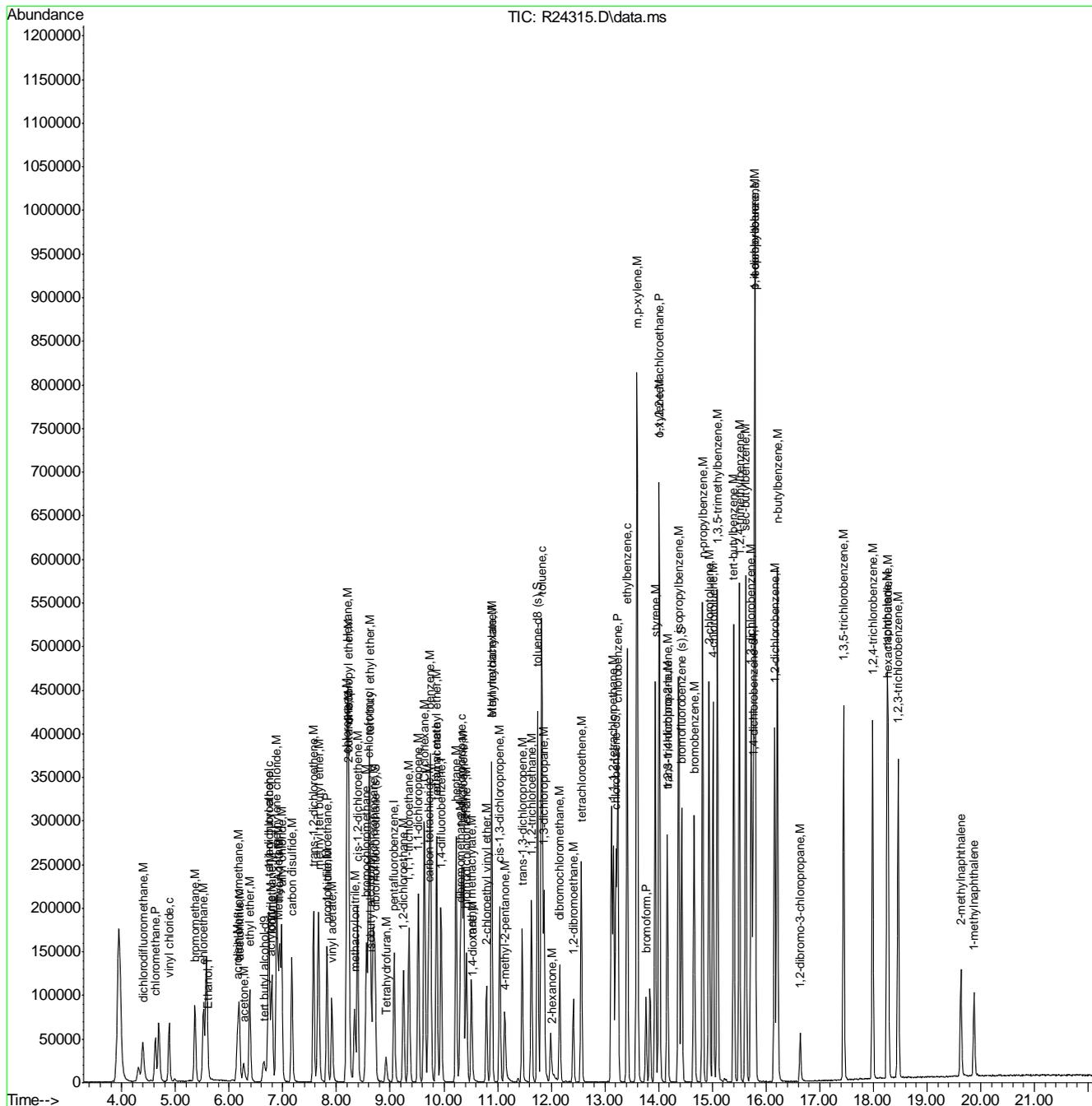
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 15.725 | 146 | 179557 | 46.77 | ug/L | 97 |
| 94) p-isopropyltoluene | 15.794 | 119 | 348264 | 50.17 | ug/L | 99 |
| 95) 1,4-dichlorobenzene | 15.792 | 146 | 194035 | 47.61 | ug/L | 99 |
| 96) 1,2-dichlorobenzene | 16.160 | 146 | 176921 | 46.49 | ug/L | 98 |
| 97) n-butylbenzene | 16.212 | 91 | 360547 | 50.57 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 16.640 | 75 | 16232 | 50.54 | ug/L | 96 |
| 99) 1,3,5-trichlorobenzene | 17.447 | 180 | 140948 | 45.44 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 17.987 | 180 | 132994 | 45.11 | ug/L | 96 |
| 101) hexachlorobutadiene | 18.277 | 225 | 72302 | 44.31 | ug/L | 98 |
| 102) naphthalene | 18.256 | 128 | 306268 | 46.19 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 18.462 | 180 | 124748 | 44.75 | ug/L | 99 |
| 104) 1-methylnaphthalene | 19.879 | 142 | 58088 | 40.26 | ug/L | 100 |
| 105) 2-methylnaphthalene | 19.632 | 142 | 71872 | 20.20 | ug/L | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : R24315.D
 Acq On : 7 Nov 2011 12:32 pm
 Operator : danat
 Sample : cc899-50
 Misc : MS24310,MSR902,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 15:47:45 2011
 Quant Method : C:\msdchem\1\METHODS\R110411w.m
 Quant Title : SW-846 Method 8260
 QLast Update : Sat Nov 05 12:11:26 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2841.D
 Acq On : 24 Oct 2011 12:26 pm
 Operator : AMYM
 Sample : ic126-0.5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:05:04 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|---------------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.491 | 65 | 224981 | 500.00 | ug/L | #-0.03 | |
| 4) pentafluorobenzene | 6.523 | 168 | 669066 | 50.00 | ug/L | -0.01 | |
| 43) 1,4-difluorobenzene | 7.714 | 114 | 1011229 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.071 | 82 | 593967 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 536598 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.402 | 113 | 342616 | 49.11 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.22% | |
| 60) toluene-d8 (s) | 9.536 | 98 | 1378219 | 49.62 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.24% | |
| 82) bromofluorobenzene (s) | 12.230 | 95 | 568970 | 47.53 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 95.06% | |
| Target Compounds | | | | | | | |
| 47) benzene | 6.963 | 78 | 17085 | 0.48 | ug/L | | Qvalue 100 |

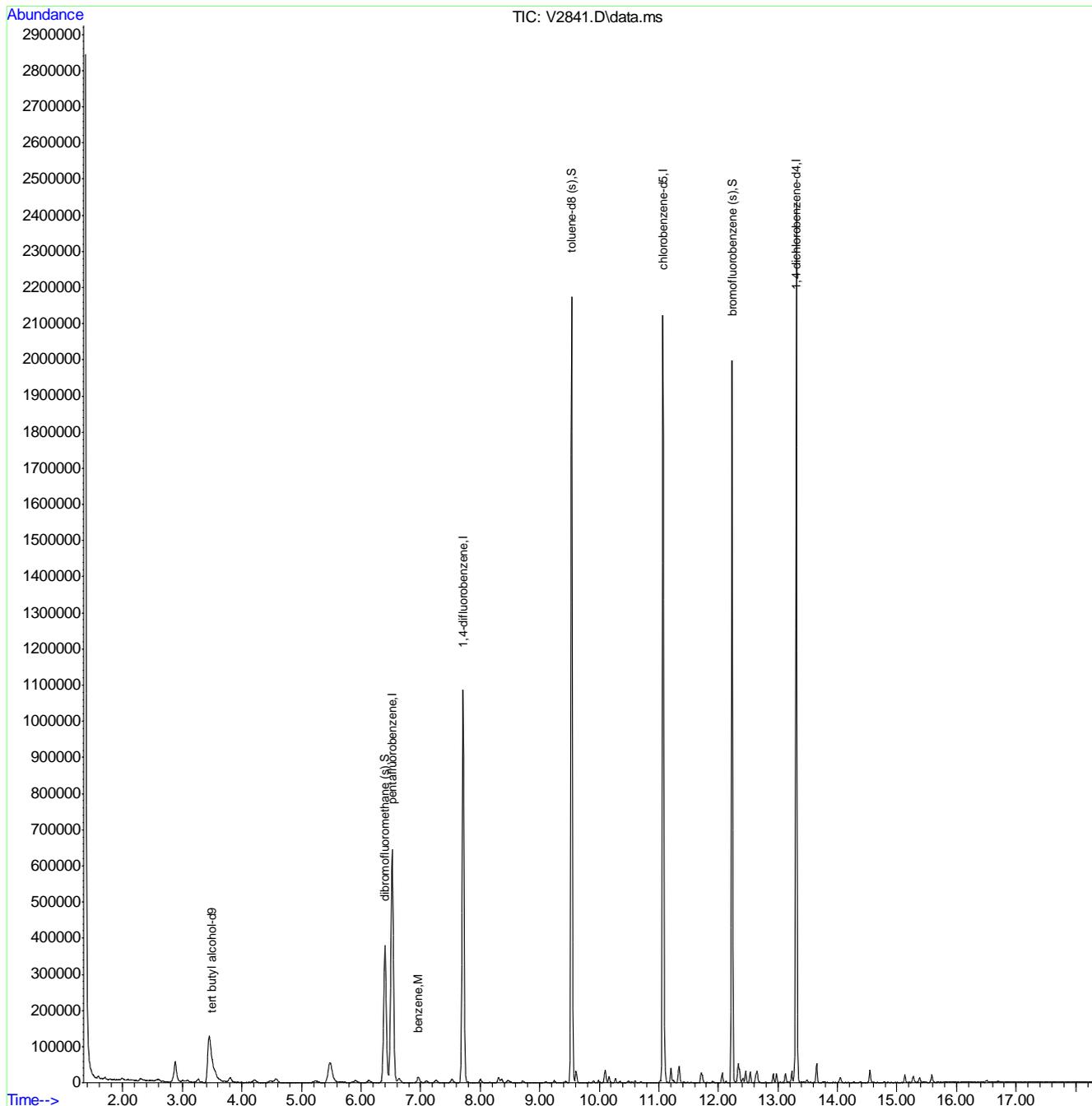
(#) = qualifier out of range (m) = manual integration (+) = signals summed

6.6.24
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2841.D
 Acq On : 24 Oct 2011 12:26 pm
 Operator : AMYM
 Sample : ic126-0.5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:05:04 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:06:59 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.486 | 65 | 208653 | 500.00 | ug/L | #-0.03 | |
| 4) pentafluorobenzene | 6.522 | 168 | 685791 | 50.00 | ug/L | -0.01 | |
| 43) 1,4-difluorobenzene | 7.713 | 114 | 1031056 | 50.00 | ug/L | -0.01 | |
| 66) chlorobenzene-d5 | 11.071 | 82 | 601342 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 544957 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.401 | 113 | 346863 | 48.51 | ug/L | -0.01 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.02% | |
| 60) toluene-d8 (s) | 9.536 | 98 | 1392361 | 49.16 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.32% | |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 574320 | 47.24 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.48% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.592 | 59 | 11174m | 18.31 | ug/L | | |
| 3) Ethanol | 2.466 | 45 | 6291 | 303.83 | ug/L | # | 26 |
| 5) dichlorodifluoromethane | 1.500 | 85 | 17690 | 1.62 | ug/L | | 96 |
| 6) chloromethane | 1.588 | 50 | 18397 | 1.88 | ug/L | | 97 |
| 7) vinyl chloride | 1.699 | 62 | 18509 | 1.62 | ug/L | | 80 |
| 8) bromomethane | 1.985 | 96 | 11193 | 1.85 | ug/L | | 87 |
| 9) chloroethane | 2.091 | 64 | 10370 | 2.04 | ug/L | | 92 |
| 10) ethyl ether | 2.583 | 59 | 11982 | 2.05 | ug/L | | 86 |
| 11) acetonitrile | 3.266 | 41 | 18192 | 1.31 | ug/L | | 87 |
| 12) trichlorofluoromethane | 2.327 | 101 | 22974m | 1.85 | ug/L | | |
| 13) freon-113 | 2.873 | 101 | 16387 | 1.86 | ug/L | | 91 |
| 15) 1,1-dichloroethene | 2.839 | 96 | 13771 | 1.71 | ug/L | # | 67 |
| 16) acetone | 2.885 | 43 | 48938 | 12.79 | ug/L | | 99 |
| 17) Methyl Acetate | 3.255 | 43 | 21765 | 2.62 | ug/L | # | 97 |
| 18) methylene chloride | 3.433 | 84 | 40540 | 4.28 | ug/L | # | 63 |
| 19) methyl tert butyl ether | 3.802 | 73 | 34399 | 1.50 | ug/L | | 90 |
| 20) acrylonitrile | 4.579 | 53 | 22158 | 7.68 | ug/L | | 99 |
| 21) allyl chloride | 3.262 | 41 | 19359 | 1.39 | ug/L | | 85 |
| 22) trans-1,2-dichloroethene | 3.799 | 96 | 15554 | 1.73 | ug/L | # | 77 |
| 23) iodomethane | 3.005 | 142 | 23589 | 1.66 | ug/L | | 96 |
| 24) carbon disulfide | 3.088 | 76 | 35710 | 1.16 | ug/L | | 99 |
| 25) propionitrile | 5.614 | 54 | 2010m | 1.70 | ug/L | | |
| 26) vinyl acetate | 4.533 | 43 | 41835m | 2.30 | ug/L | | |
| 27) chloroprene | 4.579 | 53 | 22158 | 1.54 | ug/L | | 77 |
| 28) di-isopropyl ether | 4.562 | 45 | 45388 | 1.60 | ug/L | | 91 |
| 29) methacrylonitrile | 5.875 | 41 | 7437 | 1.34 | ug/L | # | 70 |
| 31) Hexane | 4.210 | 41 | 16544 | 1.81 | ug/L | # | 96 |
| 32) 1,1-dichloroethane | 4.468 | 63 | 29344 | 1.69 | ug/L | | 93 |
| 33) tert-butyl ethyl ether | 5.230 | 59 | 34665 | 1.28 | ug/L | | 95 |
| 34) isobutyl alcohol | 4.209 | 43 | 13569 | 8.75 | ug/L | | 90 |
| 35) 2,2-dichloropropane | 5.500 | 77 | 18044 | 1.34 | ug/L | | 78 |
| 36) cis-1,2-dichloroethene | 5.488 | 96 | 17301 | 1.72 | ug/L | | 94 |
| 38) bromochloromethane | 5.910 | 128 | 7757 | 1.80 | ug/L | # | 44 |
| 39) chloroform | 6.130 | 83 | 31228 | 1.74 | ug/L | | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:06:59 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 42) 1,1,1-trichloroethane | 6.371 | 97 | 21221 | 1.34 | ug/L | 81 |
| 44) Cyclohexane | 6.491 | 56 | 39943m | 2.43 | ug/L | |
| 45) carbon tetrachloride | 6.622 | 117 | 19513m | 1.51 | ug/L | |
| 46) 1,1-dichloropropene | 6.644 | 75 | 22848 | 1.78 | ug/L | 98 |
| 47) benzene | 6.963 | 78 | 65352 | 1.81 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.092 | 62 | 24143 | 1.91 | ug/L | 93 |
| 49) tert-amyl methyl ether | 7.257 | 73 | 26172 | 1.18 | ug/L | 82 |
| 50) heptane | 7.527 | 43 | 21652 | 1.68 | ug/L | 94 |
| 51) trichloroethene | 8.006 | 95 | 16616 | 1.69 | ug/L | 82 |
| 52) 1,2-dichloropropane | 8.358 | 63 | 17564 | 1.81 | ug/L | 88 |
| 53) dibromomethane | 8.463 | 93 | 9098 | 1.65 | ug/L | 93 |
| 54) bromodichloromethane | 8.715 | 83 | 15730 | 1.18 | ug/L | 98 |
| 55) Methylcyclohexane | 8.309 | 83 | 24807 | 1.53 | ug/L | 87 |
| 56) 2-chloroethyl vinyl ether | 9.097 | 63 | 4847m | 0.98 | ug/L | |
| 57) methyl methacrylate | 8.498 | 69 | 6838 | 1.27 | ug/L | 90 |
| 59) cis-1,3-dichloropropene | 9.247 | 75 | 14521 | 0.92 | ug/L | 91 |
| 61) 4-methyl-2-pentanone | 9.436 | 43 | 9226 | 1.20 | ug/L # | 40 |
| 62) toluene | 9.612 | 92 | 44784 | 2.01 | ug/L | 95 |
| 63) trans-1,3-dichloropropene | 9.903 | 75 | 10768 | 0.81 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.108 | 83 | 12351 | 1.84 | ug/L | 94 |
| 65) ethyl methacrylate | 9.987 | 69 | 11840 | 1.04 | ug/L | 69 |
| 67) tetrachloroethene | 10.166 | 166 | 18592 | 1.99 | ug/L | 96 |
| 68) 1,3-dichloropropane | 10.272 | 76 | 24118 | 1.79 | ug/L | 99 |
| 69) dibromochloromethane | 10.491 | 129 | 8215 | 0.92 | ug/L | 85 |
| 70) 1,2-dibromoethane | 10.601 | 107 | 12325 | 1.53 | ug/L | 91 |
| 71) 2-hexanone | 10.349 | 43 | 8476 | 1.37 | ug/L # | 20 |
| 72) chlorobenzene | 11.101 | 112 | 47605 | 2.20 | ug/L | 79 |
| 73) 1,1,1,2-tetrachloroethane | 11.201 | 131 | 12115 | 1.55 | ug/L | 95 |
| 74) ethylbenzene | 11.208 | 91 | 78135 | 2.15 | ug/L | 100 |
| 75) m,p-xylene | 11.340 | 106 | 58605 | 3.97 | ug/L | 94 |
| 76) o-xylene | 11.710 | 106 | 24749 | 1.62 | ug/L | 97 |
| 77) styrene | 11.731 | 104 | 38865 | 1.54 | ug/L | 92 |
| 78) bromoform | 11.903 | 173 | 5069 | 0.82 | ug/L | 88 |
| 81) isopropylbenzene | 12.066 | 105 | 56057 | 1.49 | ug/L | 96 |
| 83) bromobenzene | 12.355 | 156 | 20248 | 1.91 | ug/L | 85 |
| 84) 1,1,2,2-tetrachloroethane | 12.364 | 83 | 18595 | 1.73 | ug/L | 94 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 17028 | 1.33 | ug/L | 71 |
| 86) n-propylbenzene | 12.459 | 91 | 88794 | 2.08 | ug/L | 98 |
| 87) 2-chlorotoluene | 12.536 | 91 | 57731 | 1.81 | ug/L | 94 |
| 88) 4-chlorotoluene | 12.650 | 91 | 67654 | 1.91 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.631 | 105 | 59172 | 1.67 | ug/L | 98 |
| 90) tert-butylbenzene | 12.921 | 91 | 34075 | 1.53 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 12.976 | 105 | 60488 | 1.69 | ug/L | 98 |
| 92) sec-butylbenzene | 13.127 | 105 | 76713 | 1.84 | ug/L | 96 |
| 93) 1,3-dichlorobenzene | 13.232 | 146 | 37788 | 1.99 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.272 | 119 | 55397 | 1.60 | ug/L | 93 |
| 95) 1,4-dichlorobenzene | 13.330 | 146 | 42542 | 2.24 | ug/L | 93 |
| 96) 1,2-dichlorobenzene | 13.653 | 146 | 34969 | 2.09 | ug/L | 97 |
| 97) n-butylbenzene | 13.646 | 91 | 59875 | 1.72 | ug/L | 96 |
| 99) 1,3,5-trichlorobenzene | 14.547 | 180 | 29005 | 1.91 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:06:59 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

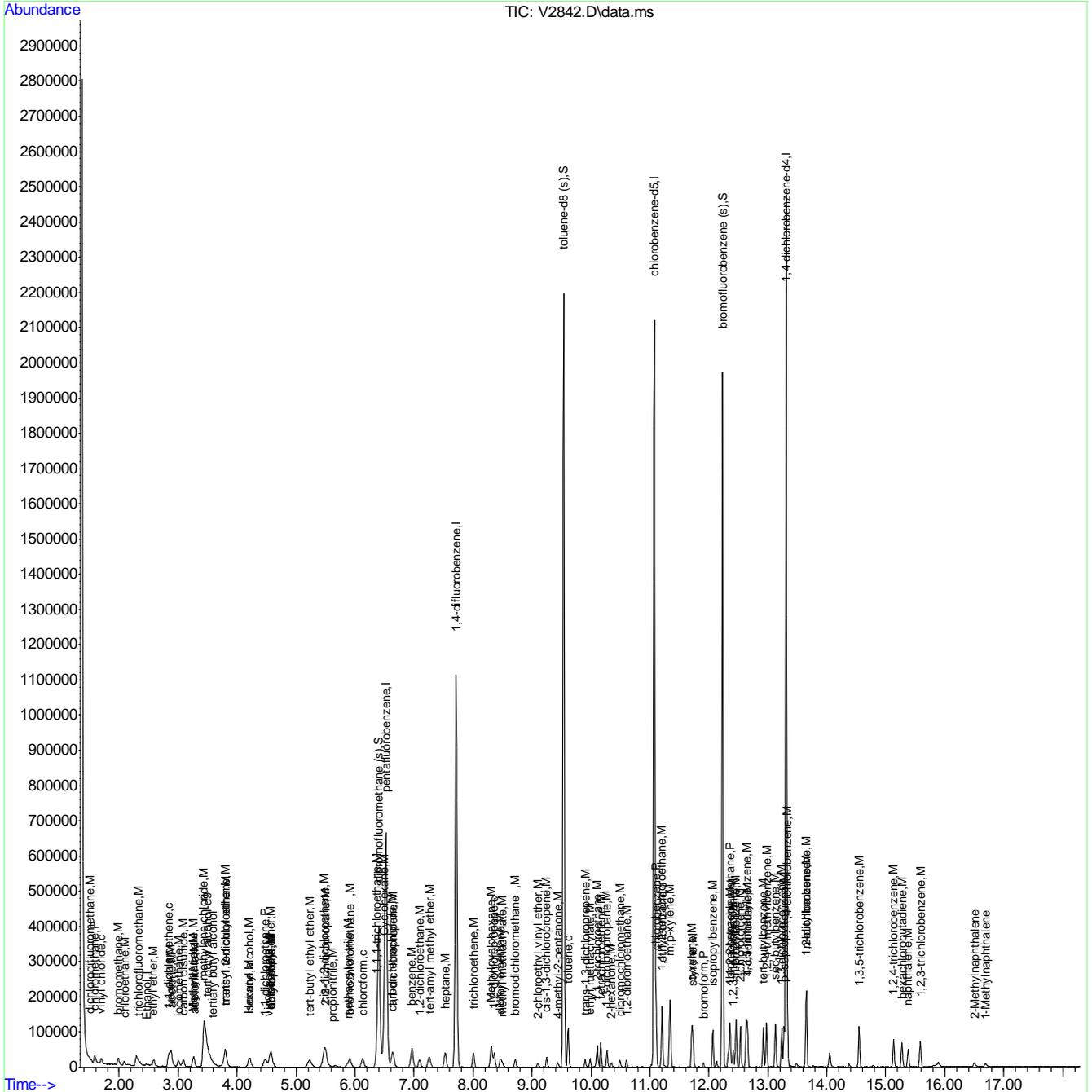
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|------|-------|----------|
| 100) 1,2,4-trichlorobenzene | 15.132 | 180 | 24034 | 1.75 | ug/L | 90 |
| 101) hexachlorobutadiene | 15.274 | 225 | 15286 | 1.83 | ug/L | 88 |
| 102) naphthalene | 15.379 | 128 | 37780 | 1.23 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.585 | 180 | 23357 | 1.79 | ug/L | 95 |
| 104) 2-Methylnaphthalene | 16.503 | 142 | 9074 | 0.50 | ug/L | 94 |
| 105) 1-Methylnaphthalene | 16.692 | 142 | 6915 | 0.45 | ug/L | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

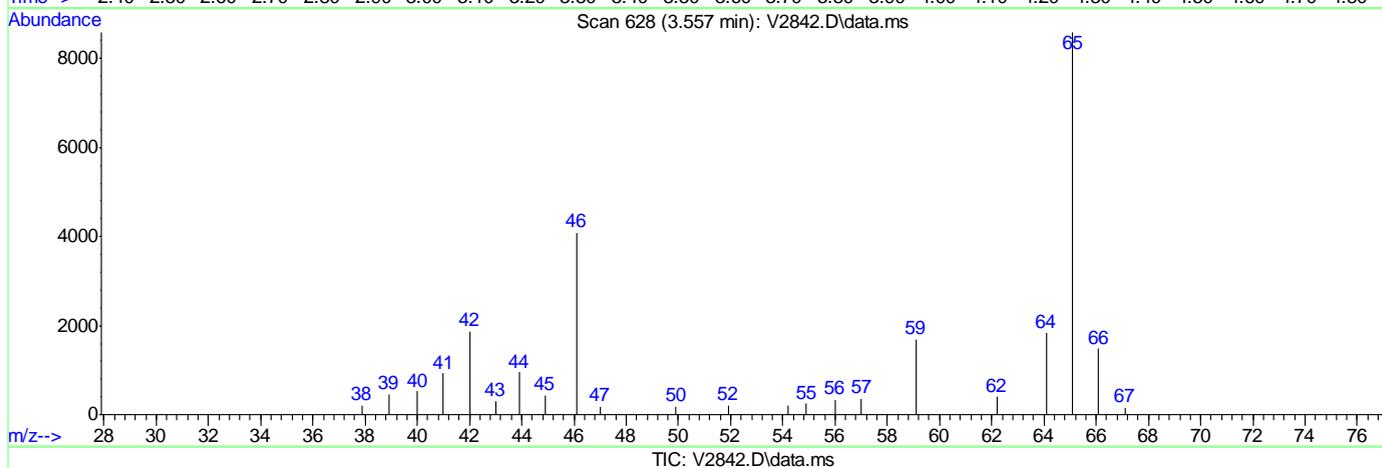
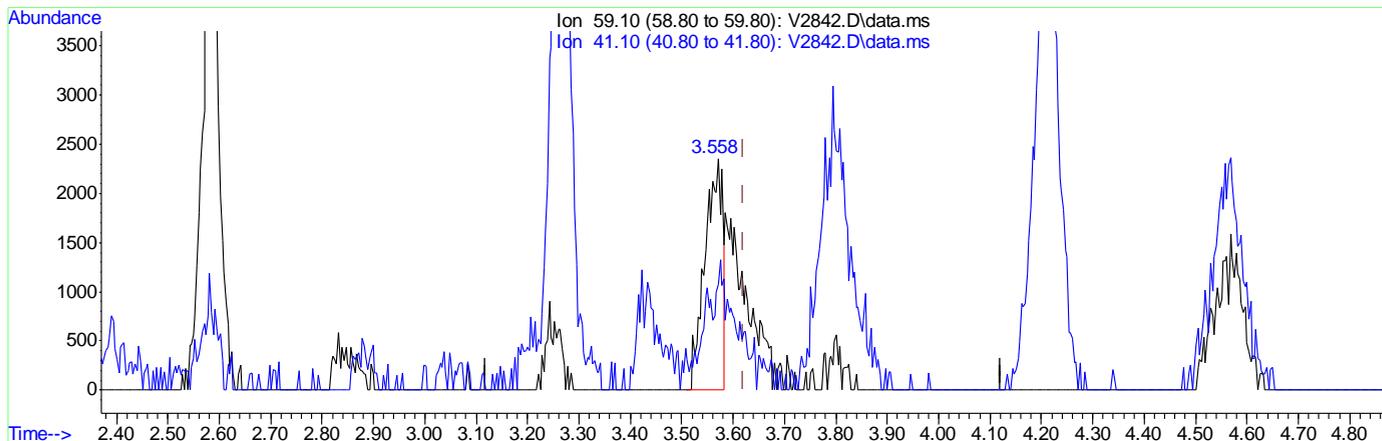
Quant Time: Oct 24 17:06:59 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(2) tertiary butyl alcohol

3.558min (-0.062) 9.07ug/L

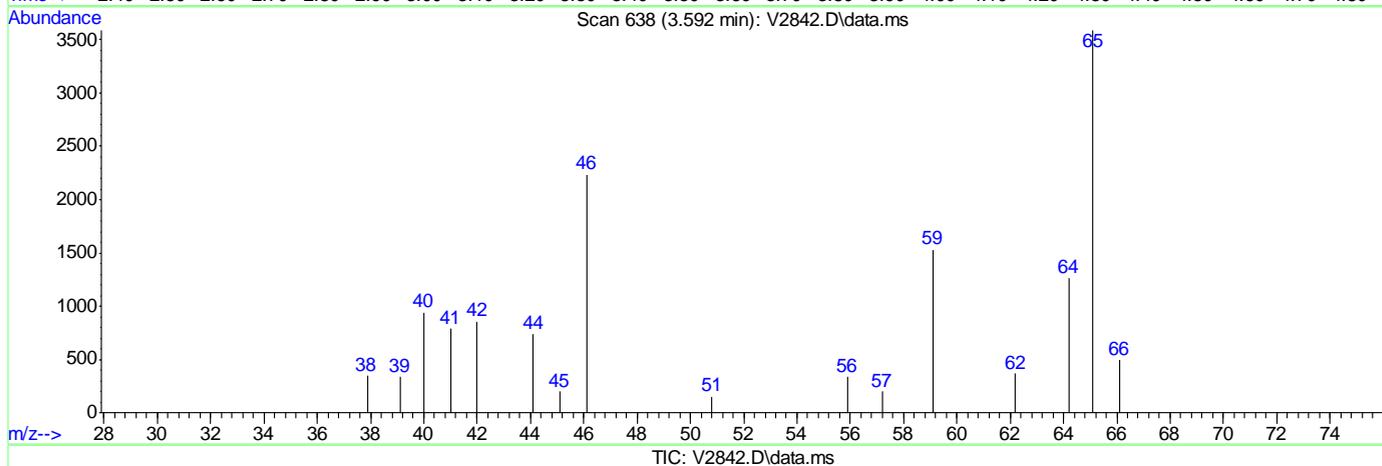
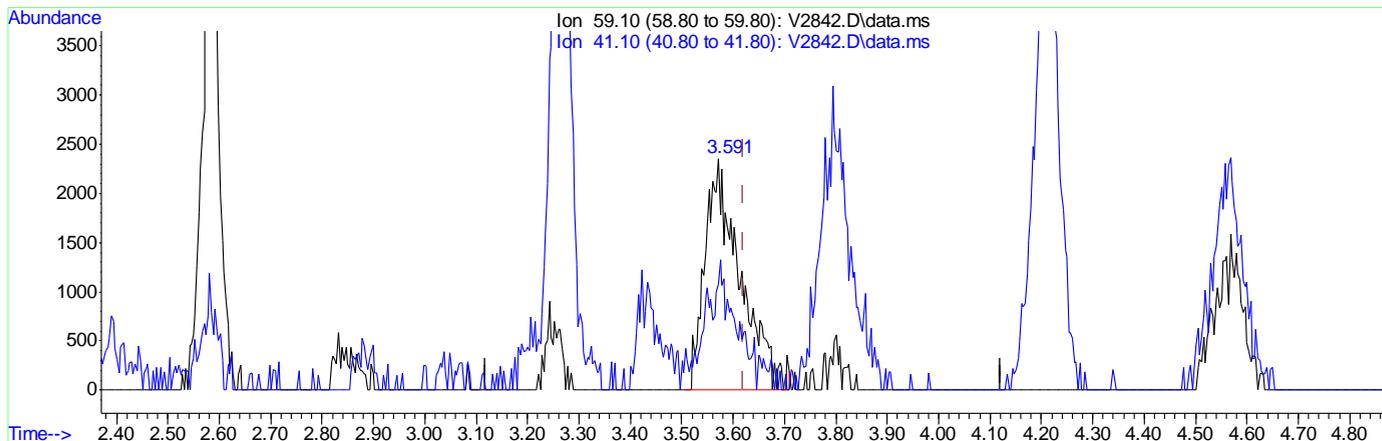
response 5538

| Ion | Exp% | Act% |
|-------|-------|--------|
| 59.10 | 100 | 100 |
| 41.10 | 37.20 | 98.03# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(2) tertiary butyl alcohol

3.592min (-0.028) 18.31ug/L m

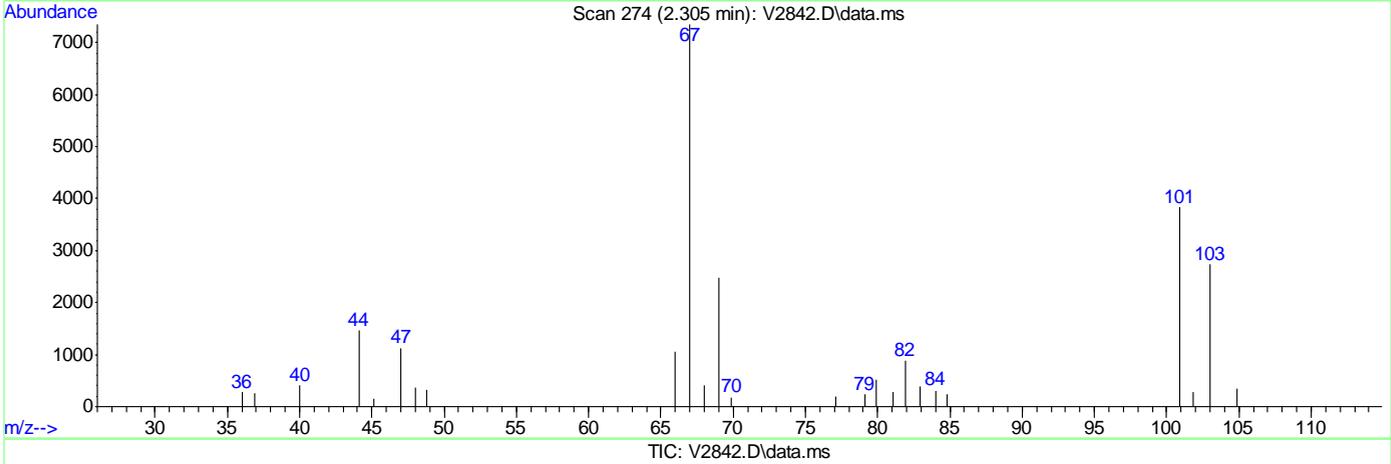
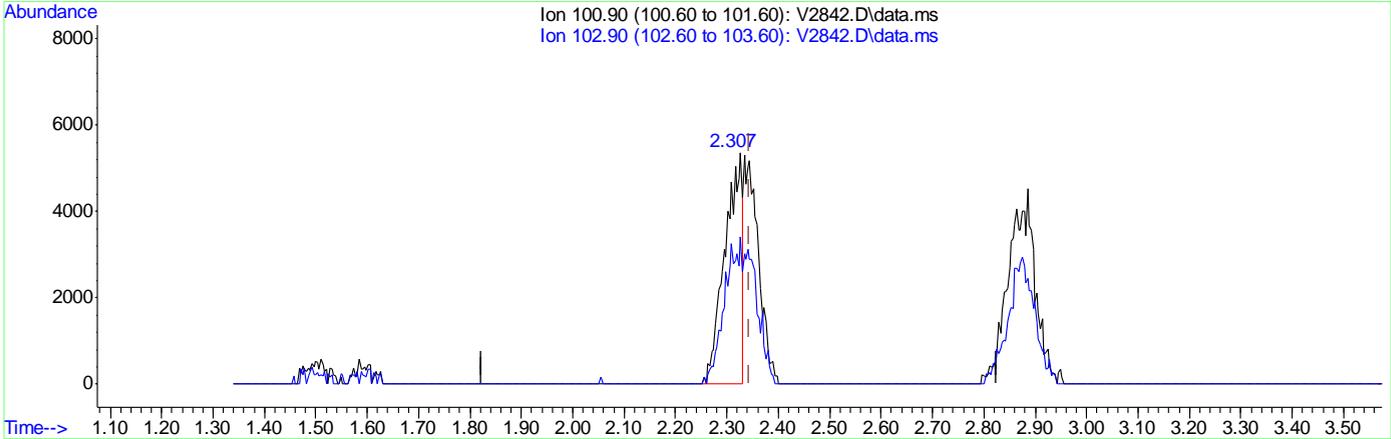
response 11174

| Ion | Exp% | Act% |
|-------|-------|--------|
| 59.10 | 100 | 100 |
| 41.10 | 37.20 | 48.59# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.307min (-0.038) 1.02ug/L

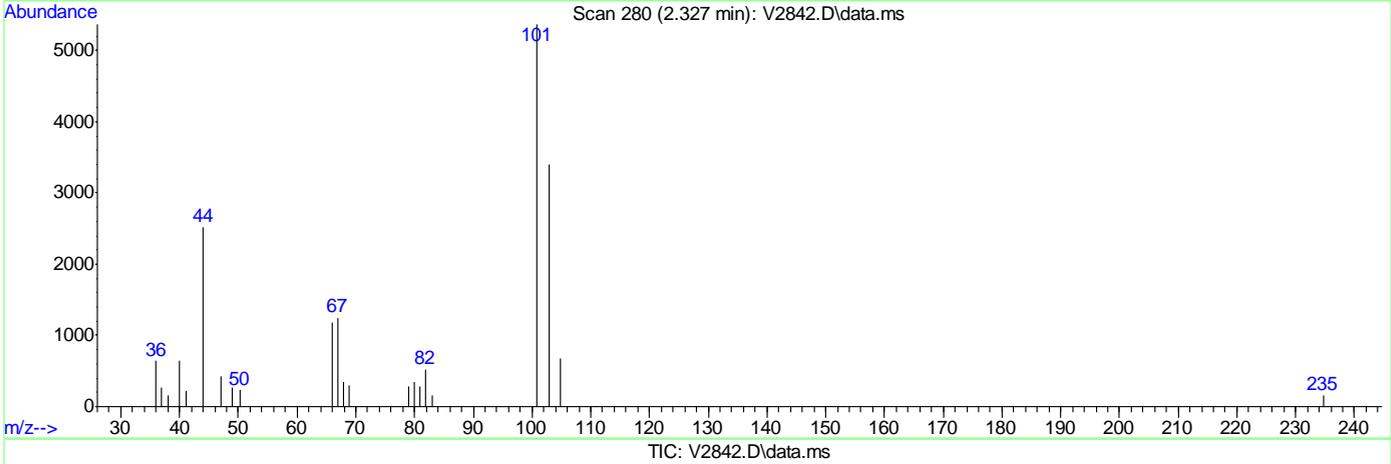
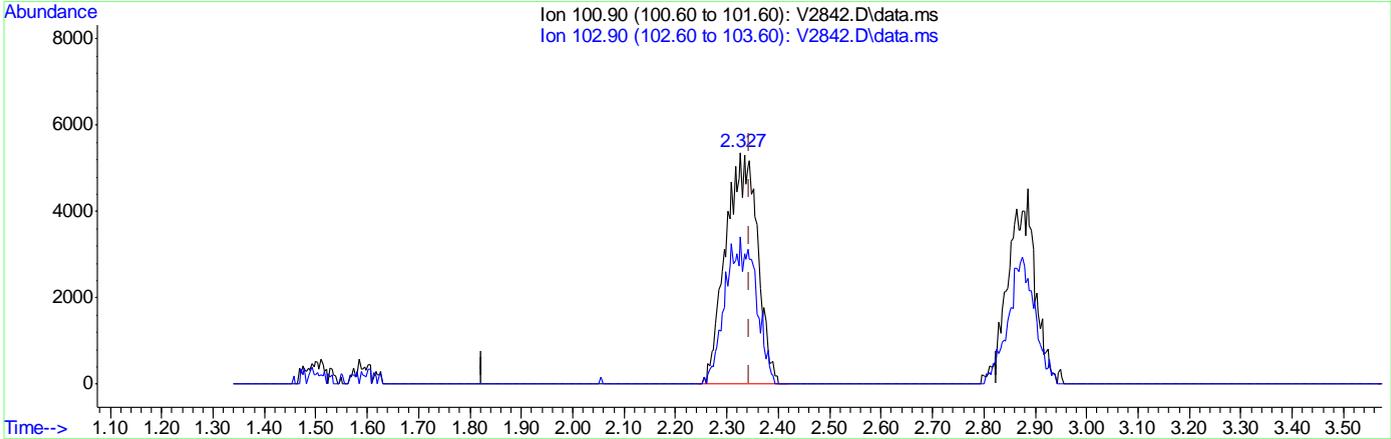
response 12580

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 71.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.327min (-0.018) 1.85ug/L m

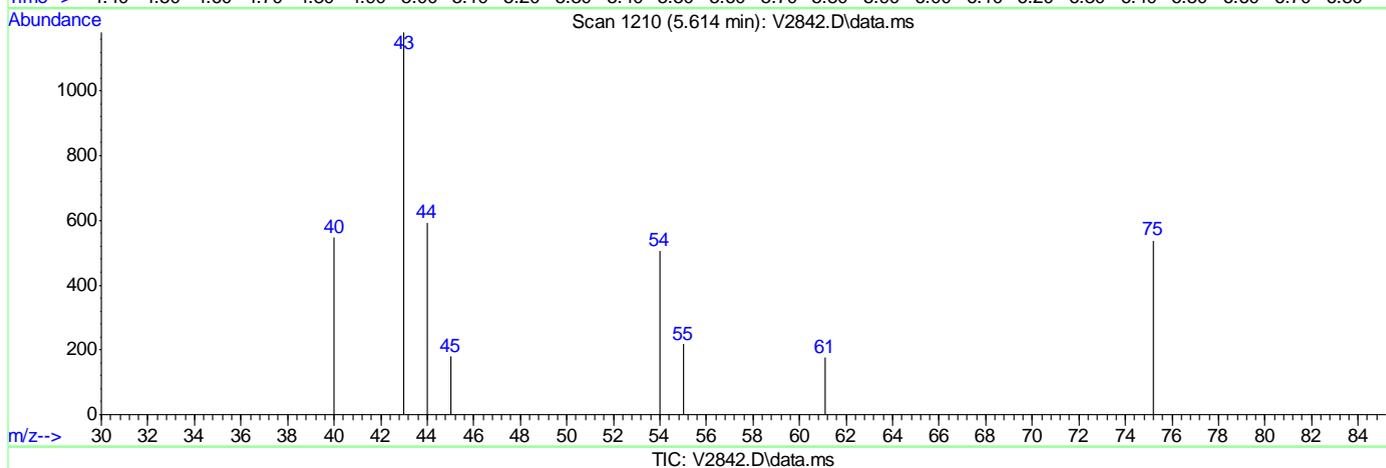
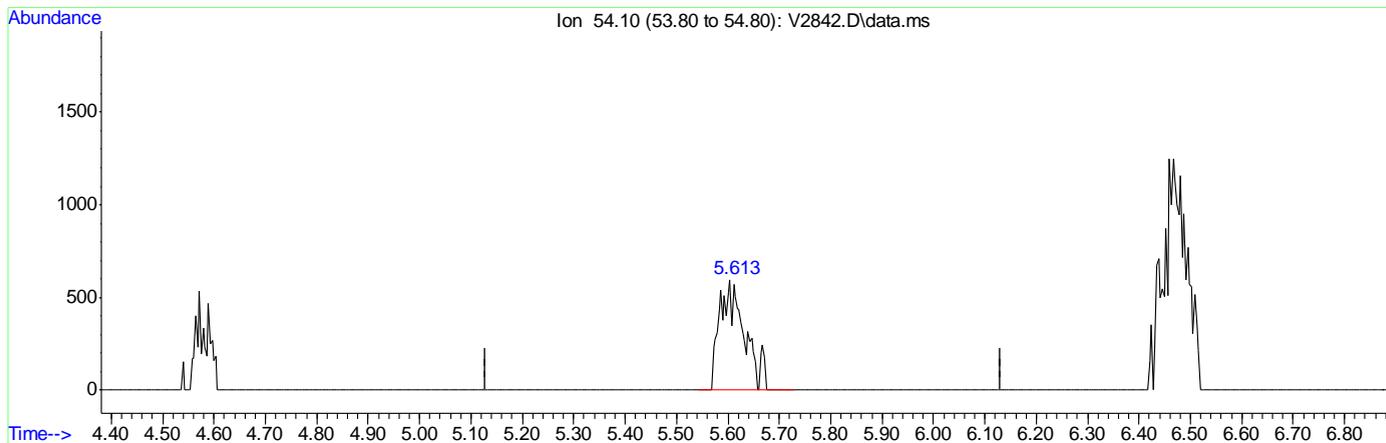
response 22974

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(25) propionitrile (M)

5.614min (-0.016) 1.70ug/L m

response 2010

| Ion | Exp% | Act% |
|-------|------|------|
| 54.10 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

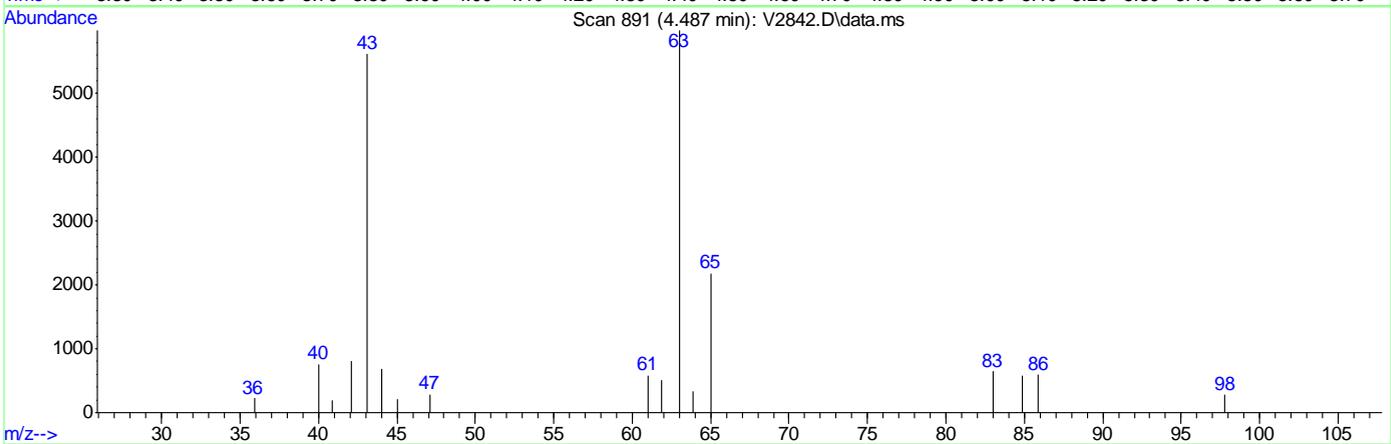
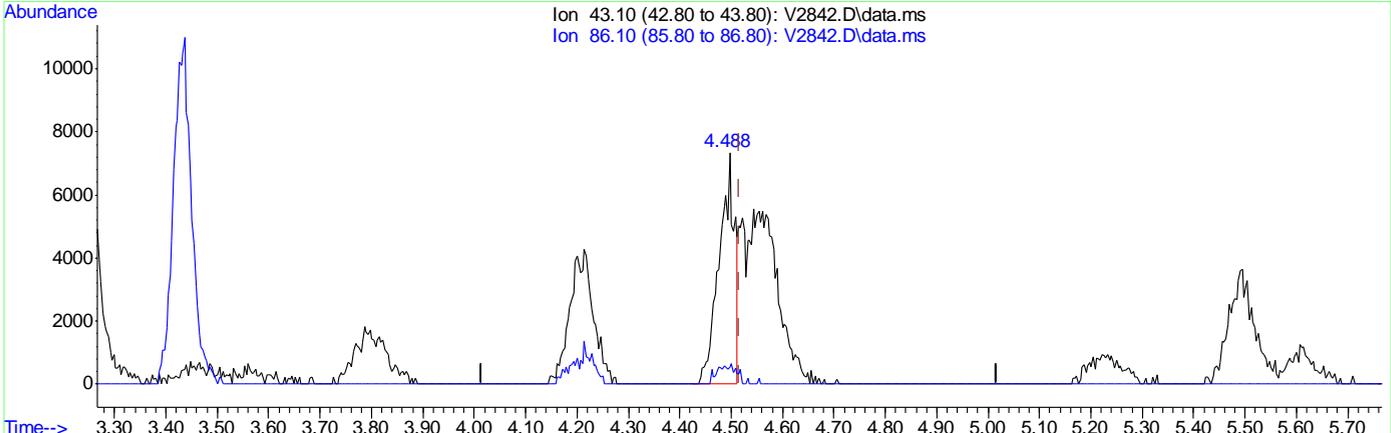
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.25.6

6



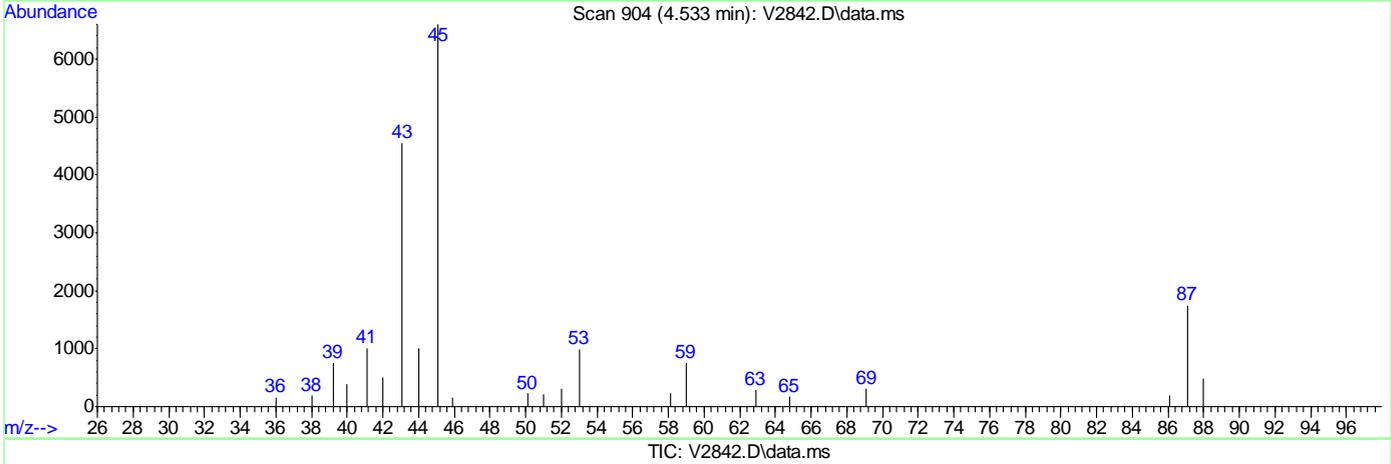
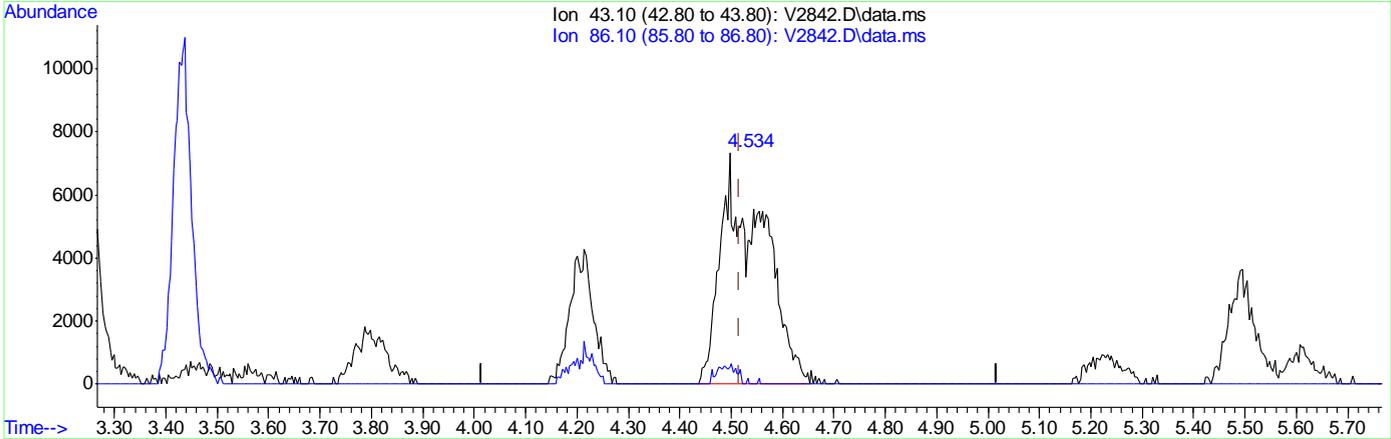
(26) vinyl acetate (M)
 4.488min (-0.029) 0.84ug/L
 response 15361

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 10.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



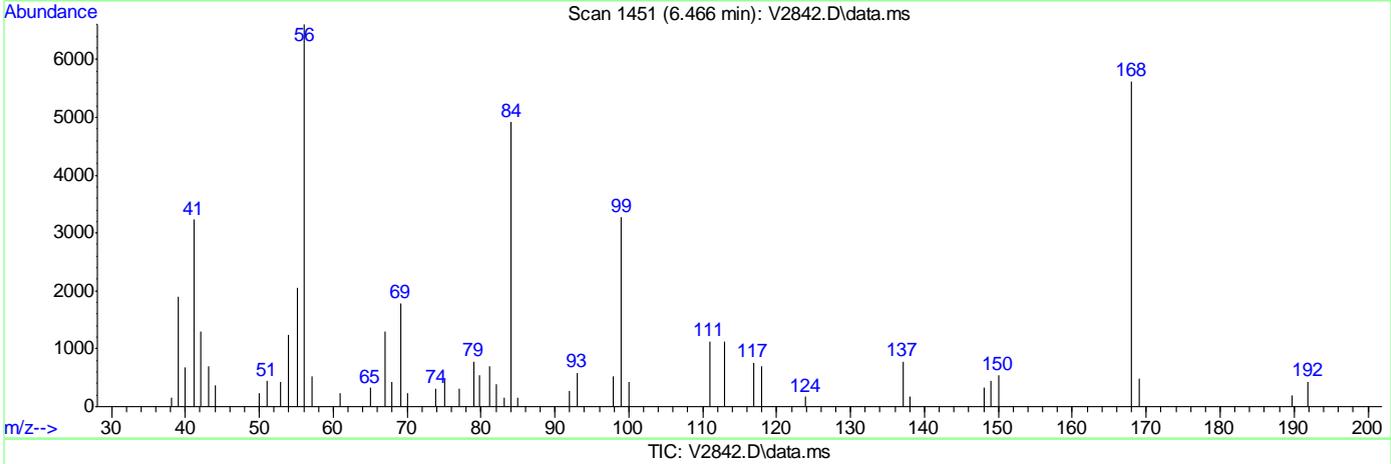
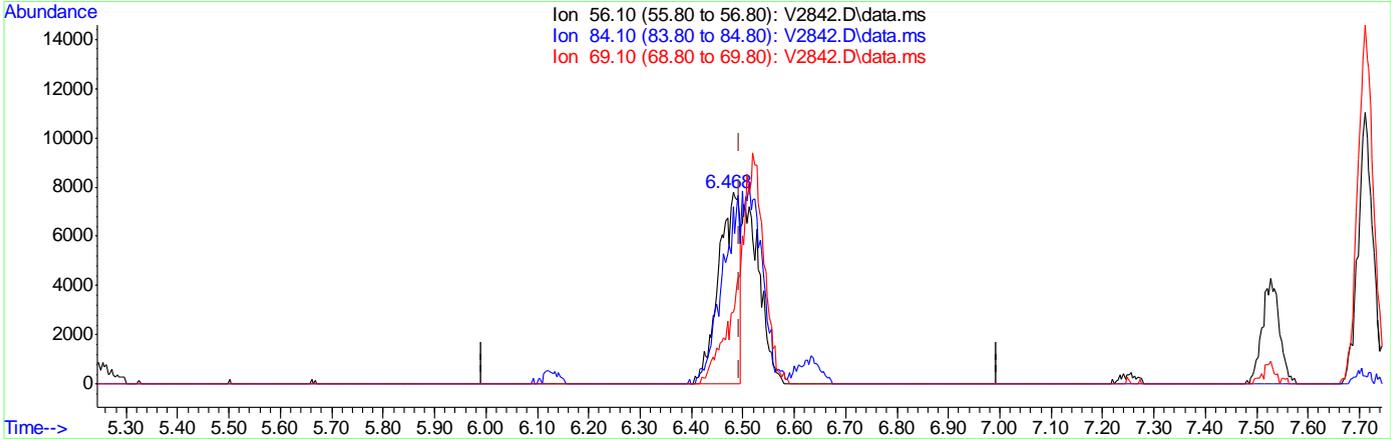
(26) vinyl acetate (M)
 4.533min (+0.016) 2.30ug/L m
 response 41835

| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 4.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(44) Cyclohexane (M)
 6.468min (-0.026) 1.34ug/L
 response 22109

| Ion | Exp% | Act% |
|-------|-------|-------|
| 56.10 | 100 | 100 |
| 84.10 | 85.70 | 71.36 |
| 69.10 | 32.10 | 27.05 |
| 0.00 | 0.00 | 0.00 |

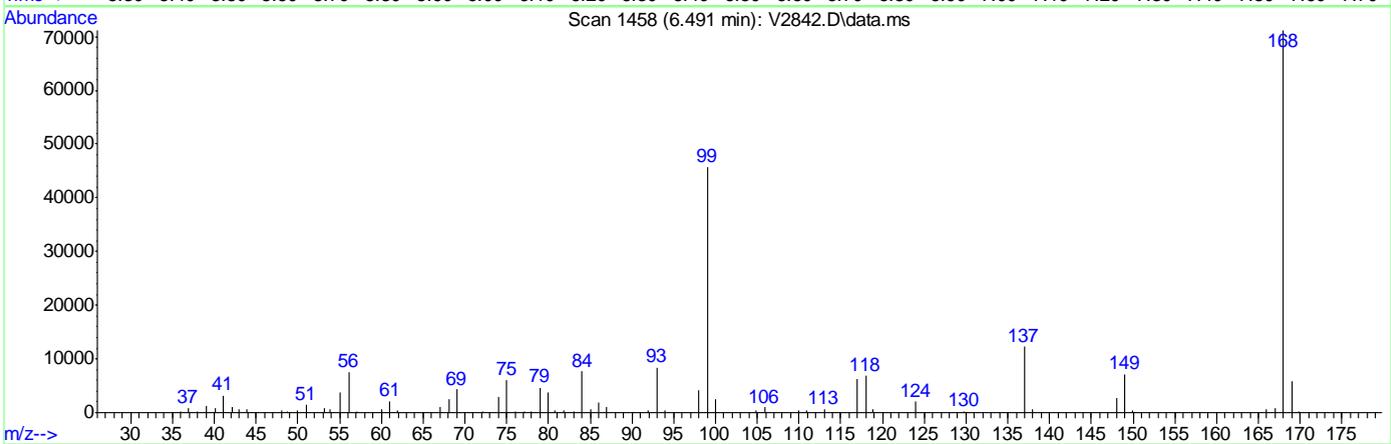
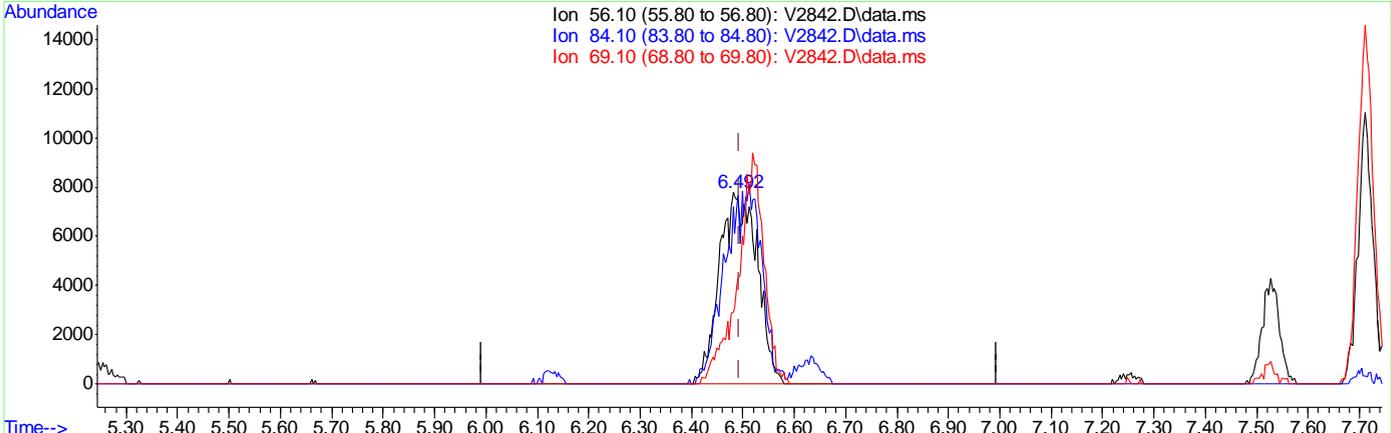
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.25.9

6



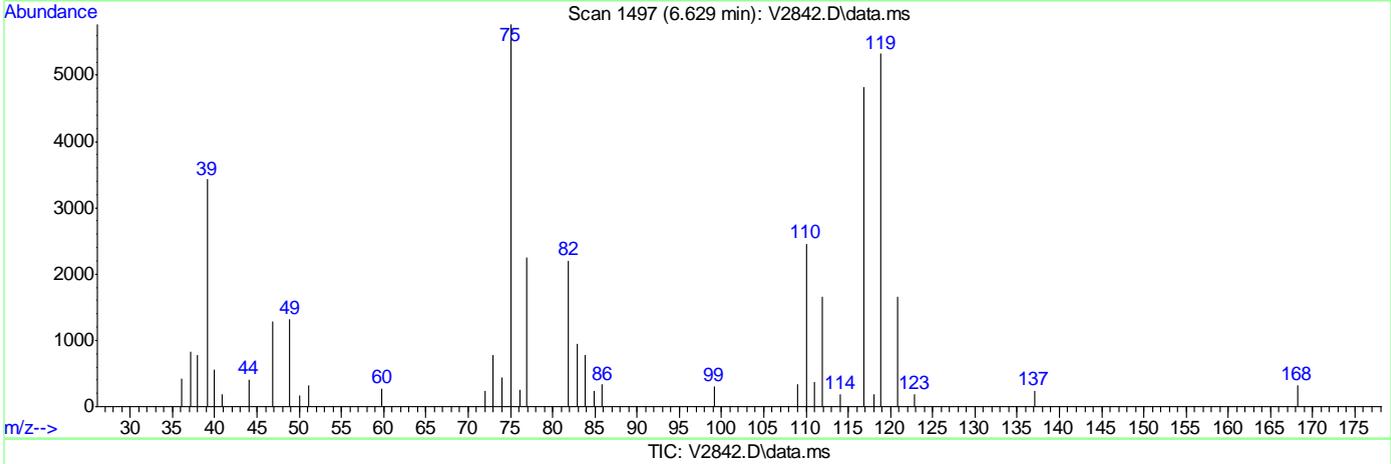
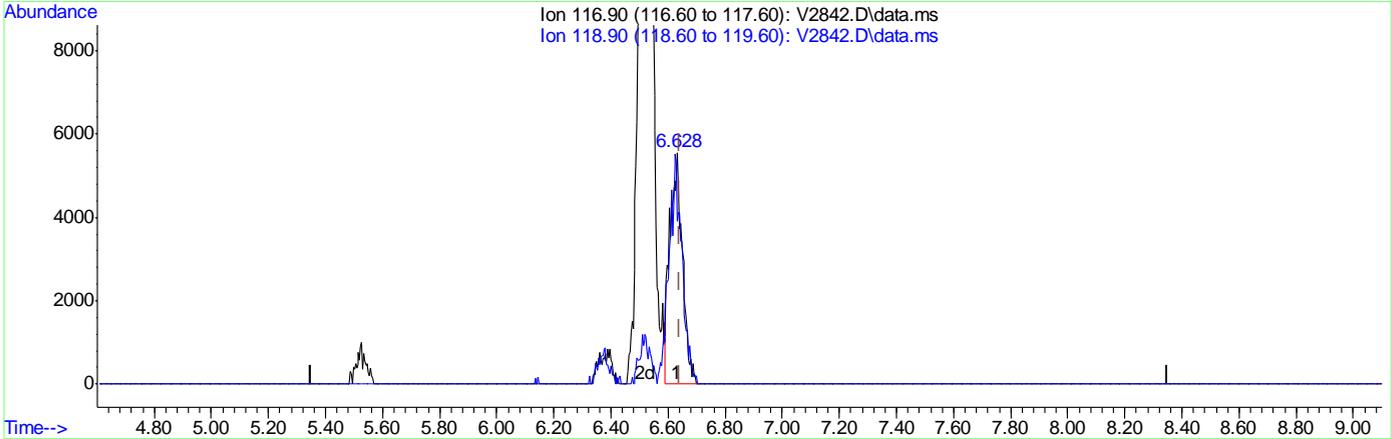
(44) Cyclohexane (M)
 6.491min (-0.002) 2.43ug/L m
 response 39943

| Ion | Exp% | Act% |
|-------|-------|--------|
| 56.10 | 100 | 100 |
| 84.10 | 85.70 | 101.22 |
| 69.10 | 32.10 | 56.84# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(45) carbon tetrachloride (M)

6.628min (-0.012) 1.33ug/L

response 17277

| Ion | Exp% | Act% |
|--------|-------|--------|
| 116.90 | 100 | 100 |
| 118.90 | 96.00 | 110.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

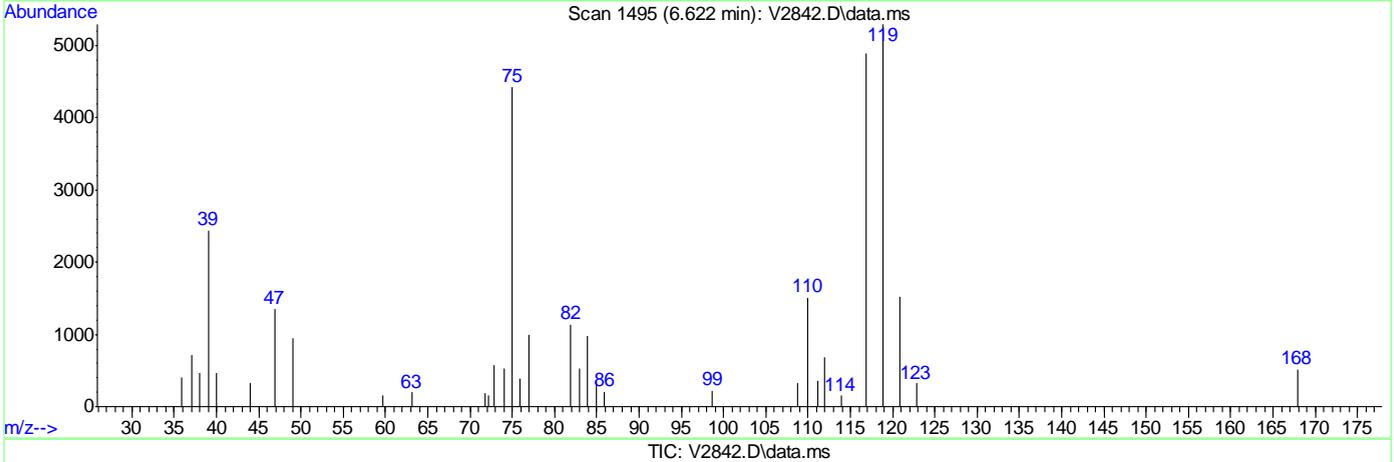
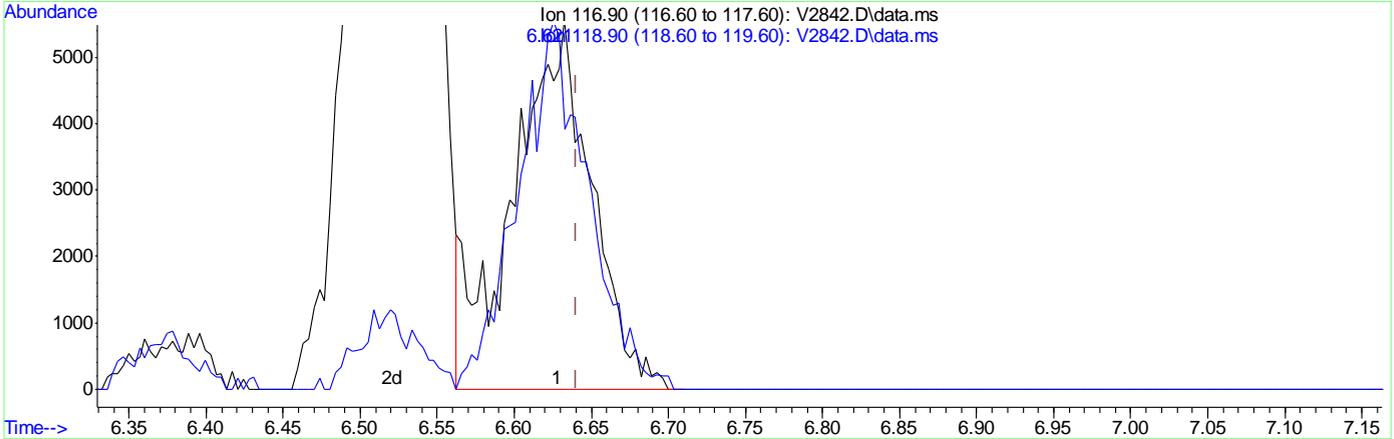
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.25.11

6



(45) carbon tetrachloride (M)

6.622min (-0.018) 1.51ug/L m

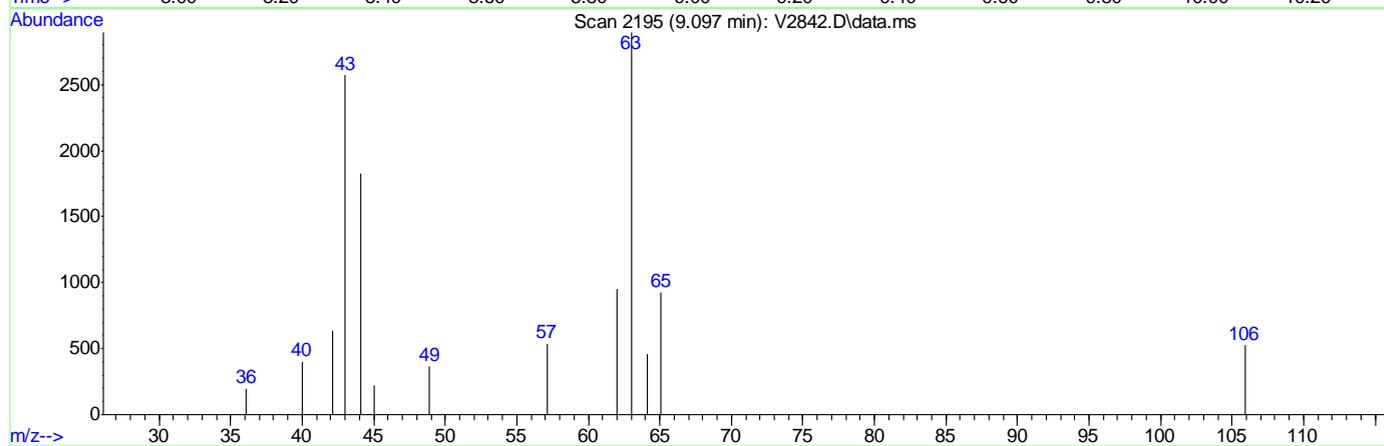
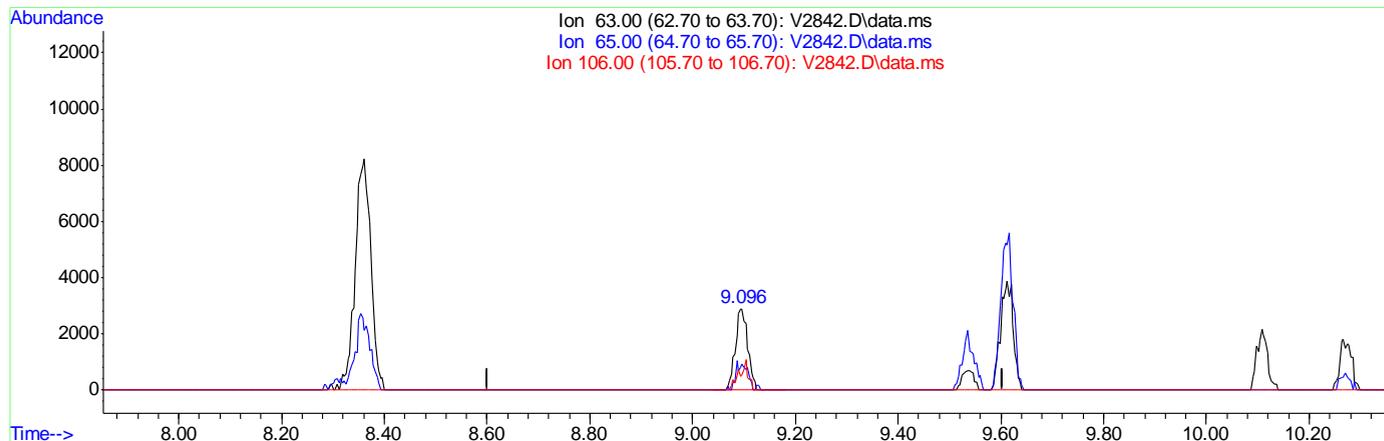
response 19513

| Ion | Exp% | Act% |
|--------|-------|--------|
| 116.90 | 100 | 100 |
| 118.90 | 96.00 | 108.28 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2842.D
 Acq On : 24 Oct 2011 12:56 pm
 Operator : AMYM
 Sample : ic126-2
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:03:34 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



TIC: V2842.D\data.ms

(56) 2-chloroethyl vinyl ether (M)

9.097min (-0.007) 0.98ug/L m

response 4847

| Ion | Exp% | Act% |
|--------|-------|-------|
| 63.00 | 100 | 100 |
| 65.00 | 32.90 | 0.00# |
| 106.00 | 26.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:08:39 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.496 | 65 | 202019 | 500.00 | ug/L | #-0.02 |
| 4) pentafluorobenzene | 6.526 | 168 | 672284 | 50.00 | ug/L | -0.01 |
| 43) 1,4-difluorobenzene | 7.715 | 114 | 1002051 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.073 | 82 | 580357 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 533373 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.405 | 113 | 348864 | 49.77 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.54% |
| 60) toluene-d8 (s) | 9.537 | 98 | 1398991 | 50.82 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.64% |
| 82) bromofluorobenzene (s) | 12.232 | 95 | 573655 | 48.21 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 96.42% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.597 | 59 | 26620 | 45.04 | ug/L | # 75 |
| 3) Ethanol | 2.471 | 45 | 16429 | 819.51 | ug/L | # 26 |
| 5) dichlorodifluoromethane | 1.506 | 85 | 48636 | 4.54 | ug/L | 94 |
| 6) chloromethane | 1.594 | 50 | 44697 | 4.66 | ug/L | 96 |
| 7) vinyl chloride | 1.705 | 62 | 51131 | 4.57 | ug/L | 91 |
| 8) bromomethane | 1.991 | 96 | 28447 | 4.79 | ug/L | 95 |
| 9) chloroethane | 2.094 | 64 | 24972 | 5.01 | ug/L | 82 |
| 10) ethyl ether | 2.587 | 59 | 29301 | 5.11 | ug/L | 86 |
| 11) acetonitrile | 3.268 | 41 | 53742 | 3.94 | ug/L | 97 |
| 12) trichlorofluoromethane | 2.332 | 101 | 57465 | 4.73 | ug/L | 90 |
| 13) freon-113 | 2.879 | 101 | 41972 | 4.87 | ug/L | 96 |
| 14) acrolein | 2.737 | 56 | 7103 | 23.39 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.844 | 96 | 35946 | 4.57 | ug/L | 83 |
| 16) acetone | 2.891 | 43 | 24072 | 6.42 | ug/L | 84 |
| 17) Methyl Acetate | 3.260 | 43 | 42720 | 5.25 | ug/L | # 85 |
| 18) methylene chloride | 3.439 | 84 | 59590 | 6.42 | ug/L | 82 |
| 19) methyl tert butyl ether | 3.808 | 73 | 92973 | 4.12 | ug/L | 95 |
| 20) acrylonitrile | 4.585 | 53 | 61331 | 21.68 | ug/L | 82 |
| 21) allyl chloride | 3.268 | 41 | 53742 | 3.94 | ug/L | 78 |
| 22) trans-1,2-dichloroethene | 3.804 | 96 | 41723 | 4.73 | ug/L | 93 |
| 23) iodomethane | 3.010 | 142 | 61598 | 4.41 | ug/L | 95 |
| 24) carbon disulfide | 3.093 | 76 | 97763 | 3.25 | ug/L | 98 |
| 25) propionitrile | 5.618 | 54 | 5630m | 4.85 | ug/L | |
| 26) vinyl acetate | 4.540 | 43 | 116335m | 6.52 | ug/L | |
| 27) chloroprene | 4.585 | 53 | 61331 | 4.34 | ug/L | 88 |
| 28) di-isopropyl ether | 4.569 | 45 | 130772 | 4.70 | ug/L | 87 |
| 29) methacrylonitrile | 5.890 | 41 | 24262 | 4.46 | ug/L | 89 |
| 30) 2-butanone | 5.929 | 72 | 3631m | 4.13 | ug/L | |
| 31) Hexane | 4.215 | 41 | 44281 | 4.94 | ug/L | # 71 |
| 32) 1,1-dichloroethane | 4.474 | 63 | 77117 | 4.53 | ug/L | 91 |
| 33) tert-butyl ethyl ether | 5.235 | 59 | 96413 | 3.62 | ug/L | 92 |
| 34) isobutyl alcohol | 4.215 | 43 | 36181 | 23.80 | ug/L | 91 |
| 35) 2,2-dichloropropane | 5.507 | 77 | 42334 | 3.20 | ug/L | 93 |
| 36) cis-1,2-dichloroethene | 5.494 | 96 | 45648 | 4.63 | ug/L | # 83 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:08:39 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.262 | 43 | 25659m | 3.68 | ug/L | |
| 38) bromochloromethane | 5.915 | 128 | 19893 | 4.70 | ug/L # | 71 |
| 39) chloroform | 6.134 | 83 | 80910 | 4.59 | ug/L | 97 |
| 41) Tetrahydrofuran | 5.929 | 42 | 9453 | 4.62 | ug/L | 91 |
| 42) 1,1,1-trichloroethane | 6.376 | 97 | 57366 | 3.70 | ug/L | 85 |
| 44) Cyclohexane | 6.487 | 56 | 86736 | 5.43 | ug/L | 94 |
| 45) carbon tetrachloride | 6.629 | 117 | 49247 | 3.91 | ug/L | 93 |
| 46) 1,1-dichloropropene | 6.647 | 75 | 61845 | 4.95 | ug/L | 100 |
| 47) benzene | 6.968 | 78 | 171978 | 4.89 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.095 | 62 | 63192 | 5.14 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.262 | 73 | 73128 | 3.39 | ug/L | 90 |
| 50) heptane | 7.531 | 43 | 61772 | 4.93 | ug/L | 93 |
| 51) trichloroethene | 8.008 | 95 | 44630 | 4.66 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.361 | 63 | 44501 | 4.71 | ug/L | 99 |
| 53) dibromomethane | 8.464 | 93 | 24812 | 4.63 | ug/L | 92 |
| 54) bromodichloromethane | 8.718 | 83 | 43442 | 3.36 | ug/L | 90 |
| 55) Methylcyclohexane | 8.312 | 83 | 70410 | 4.46 | ug/L # | 86 |
| 56) 2-chloroethyl vinyl ether | 9.098 | 63 | 14815 | 3.09 | ug/L # | 45 |
| 57) methyl methacrylate | 8.499 | 69 | 19490 | 3.73 | ug/L | 81 |
| 58) 1,4-dioxane | 8.475 | 88 | 1461m | 16.62 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.249 | 75 | 44031 | 2.88 | ug/L | 88 |
| 61) 4-methyl-2-pentanone | 9.439 | 43 | 26636 | 3.57 | ug/L # | 87 |
| 62) toluene | 9.614 | 92 | 109856 | 5.08 | ug/L | 100 |
| 63) trans-1,3-dichloropropene | 9.904 | 75 | 33839 | 2.61 | ug/L | 99 |
| 64) 1,1,2-trichloroethane | 10.110 | 83 | 32166 | 4.93 | ug/L | 96 |
| 65) ethyl methacrylate | 9.989 | 69 | 36661 | 3.31 | ug/L | 86 |
| 67) tetrachloroethene | 10.167 | 166 | 48543 | 5.37 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.273 | 76 | 65493 | 5.04 | ug/L | 94 |
| 69) dibromochloromethane | 10.493 | 129 | 25633 | 2.97 | ug/L | 94 |
| 70) 1,2-dibromoethane | 10.602 | 107 | 33320 | 4.29 | ug/L | 97 |
| 71) 2-hexanone | 10.351 | 43 | 24528 | 4.09 | ug/L | 95 |
| 72) chlorobenzene | 11.102 | 112 | 121451 | 5.81 | ug/L | 91 |
| 73) 1,1,1,2-tetrachloroethane | 11.203 | 131 | 34424 | 4.58 | ug/L | 93 |
| 74) ethylbenzene | 11.209 | 91 | 207790 | 5.93 | ug/L | 100 |
| 75) m,p-xylene | 11.341 | 106 | 158030 | 11.10 | ug/L | 98 |
| 76) o-xylene | 11.711 | 106 | 71208 | 4.83 | ug/L | 97 |
| 77) styrene | 11.732 | 104 | 120680 | 4.95 | ug/L | 100 |
| 78) bromoform | 11.904 | 173 | 14510 | 2.44 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 12.128 | 53 | 10466 | 3.58 | ug/L | 70 |
| 81) isopropylbenzene | 12.067 | 105 | 166081 | 4.51 | ug/L | 95 |
| 83) bromobenzene | 12.357 | 156 | 51290 | 4.94 | ug/L | 85 |
| 84) 1,1,2,2-tetrachloroethane | 12.365 | 83 | 49315 | 4.68 | ug/L | 97 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 46156 | 3.67 | ug/L | 85 |
| 86) n-propylbenzene | 12.459 | 91 | 245290 | 5.86 | ug/L | 98 |
| 87) 2-chlorotoluene | 12.537 | 91 | 156353 | 4.99 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.651 | 91 | 182074 | 5.26 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 12.632 | 105 | 172733 | 4.98 | ug/L | 100 |
| 90) tert-butylbenzene | 12.922 | 91 | 97158 | 4.45 | ug/L | 99 |
| 91) 1,2,4-trimethylbenzene | 12.977 | 105 | 174244 | 4.97 | ug/L | 96 |
| 92) sec-butylbenzene | 13.128 | 105 | 218197 | 5.34 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:08:39 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

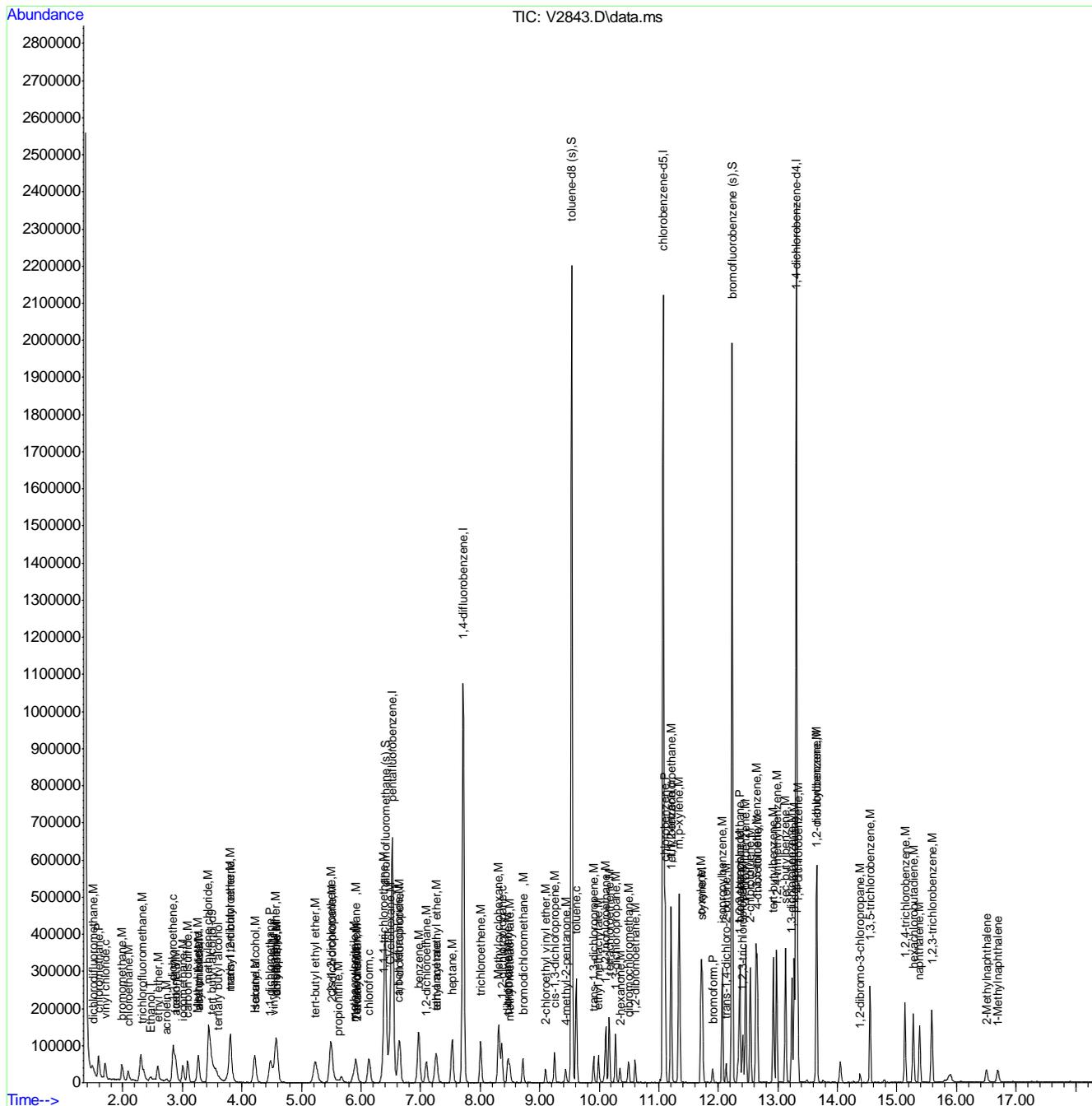
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 93) 1,3-dichlorobenzene | 13.234 | 146 | 95271 | 5.13 | ug/L | 96 |
| 94) p-isopropyltoluene | 13.273 | 119 | 164547 | 4.86 | ug/L | 95 |
| 95) 1,4-dichlorobenzene | 13.331 | 146 | 102739 | 5.53 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.654 | 146 | 93161 | 5.69 | ug/L | 96 |
| 97) n-butylbenzene | 13.646 | 91 | 171619 | 5.05 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.380 | 75 | 5460 | 2.66 | ug/L # | 73 |
| 99) 1,3,5-trichlorobenzene | 14.548 | 180 | 76324 | 5.12 | ug/L | 92 |
| 100) 1,2,4-trichlorobenzene | 15.134 | 180 | 64181 | 4.78 | ug/L | 90 |
| 101) hexachlorobutadiene | 15.275 | 225 | 40797 | 4.98 | ug/L | 97 |
| 102) naphthalene | 15.381 | 128 | 116646 | 3.89 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.585 | 180 | 65399 | 5.13 | ug/L | 94 |
| 104) 2-Methylnaphthalene | 16.504 | 142 | 25196 | 1.42 | ug/L | 97 |
| 105) 1-Methylnaphthalene | 16.693 | 142 | 22778 | 1.53 | ug/L | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:08:39 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



6.6.26
6

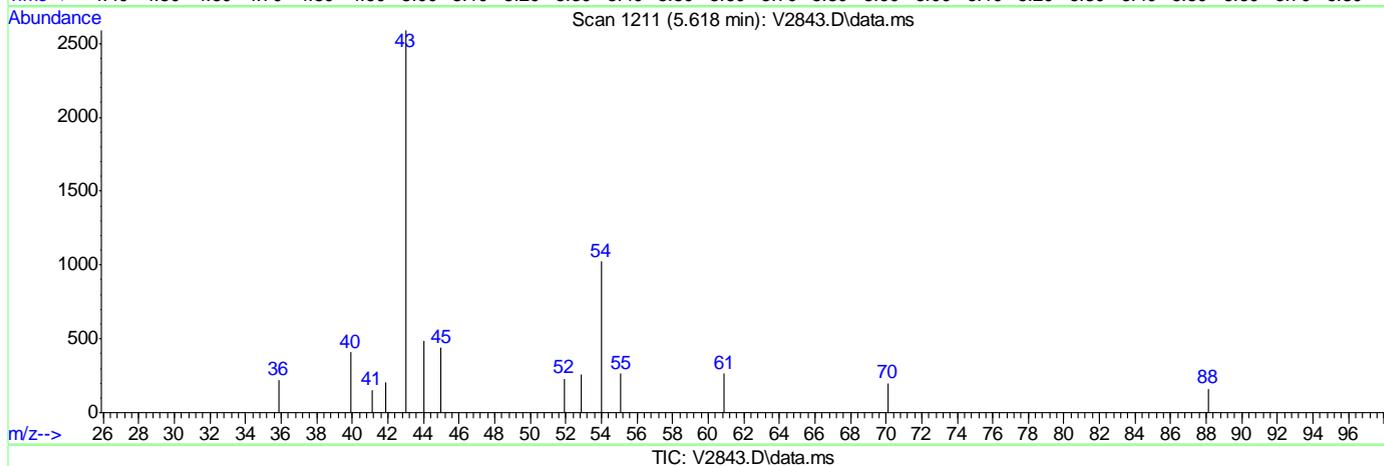
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.1

6



(25) propionitrile (M)

5.618min (-0.012) 4.85ug/L m

response 5630

| Ion | Exp% | Act% |
|-------|------|------|
| 54.10 | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

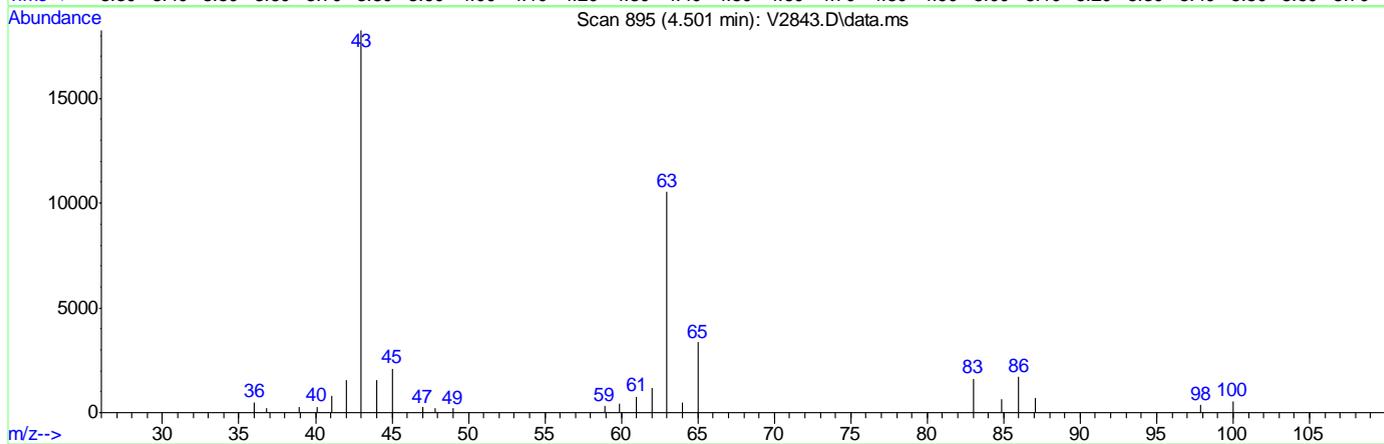
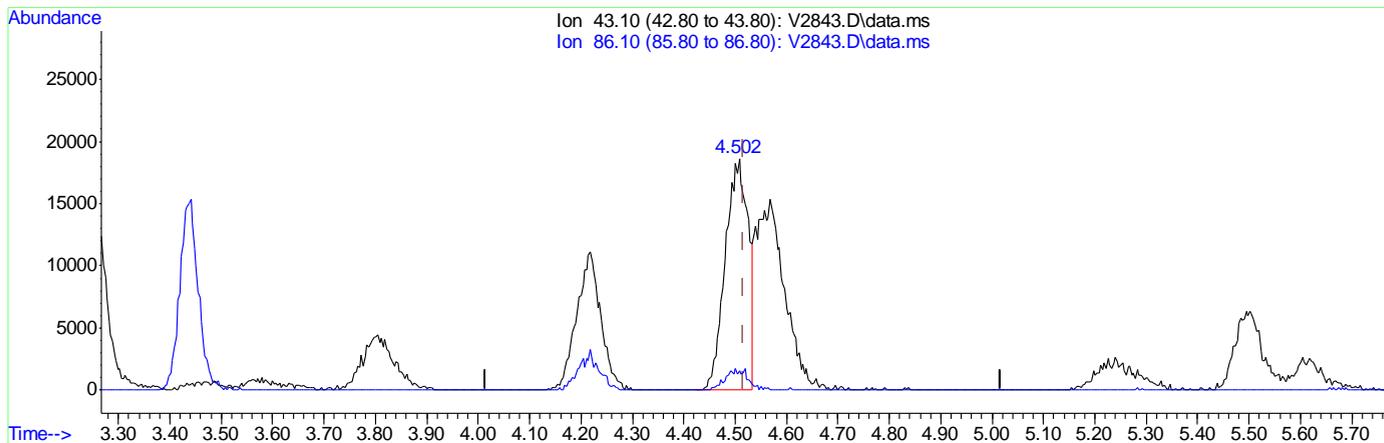
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.2

6



(26) vinyl acetate (M)
 4.502min (-0.015) 3.23ug/L
 response 57552

| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 9.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

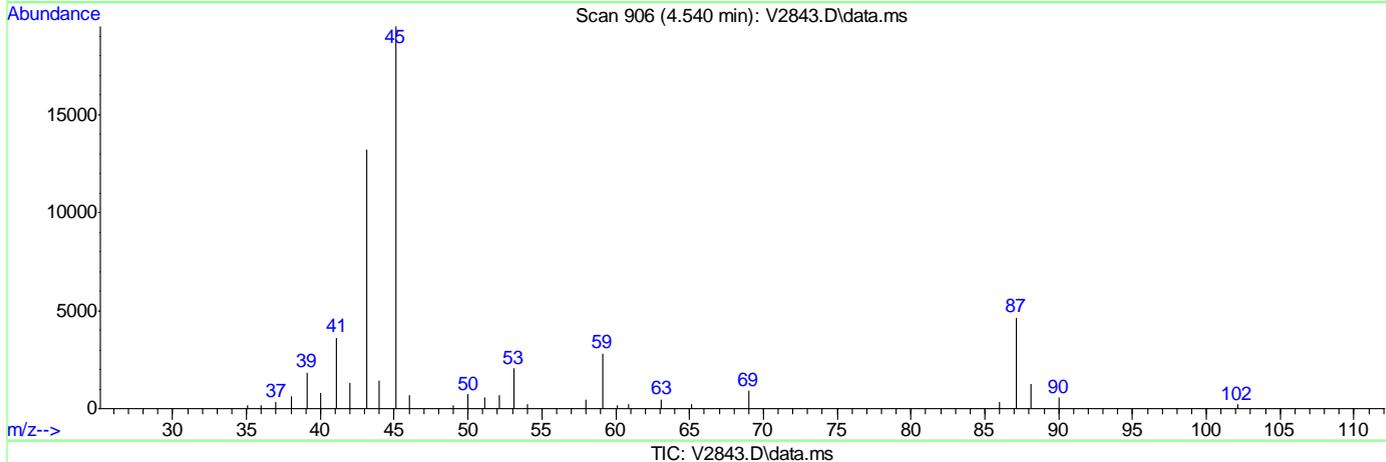
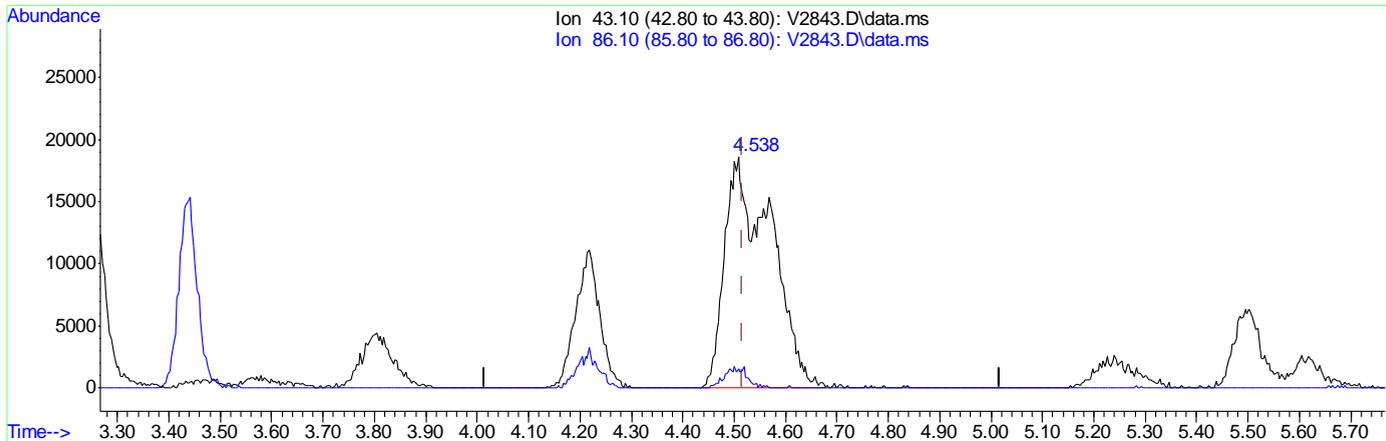
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.3

6



(26) vinyl acetate (M)
 4.540min (+0.023) 6.52ug/L m
 response 116335

| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 2.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

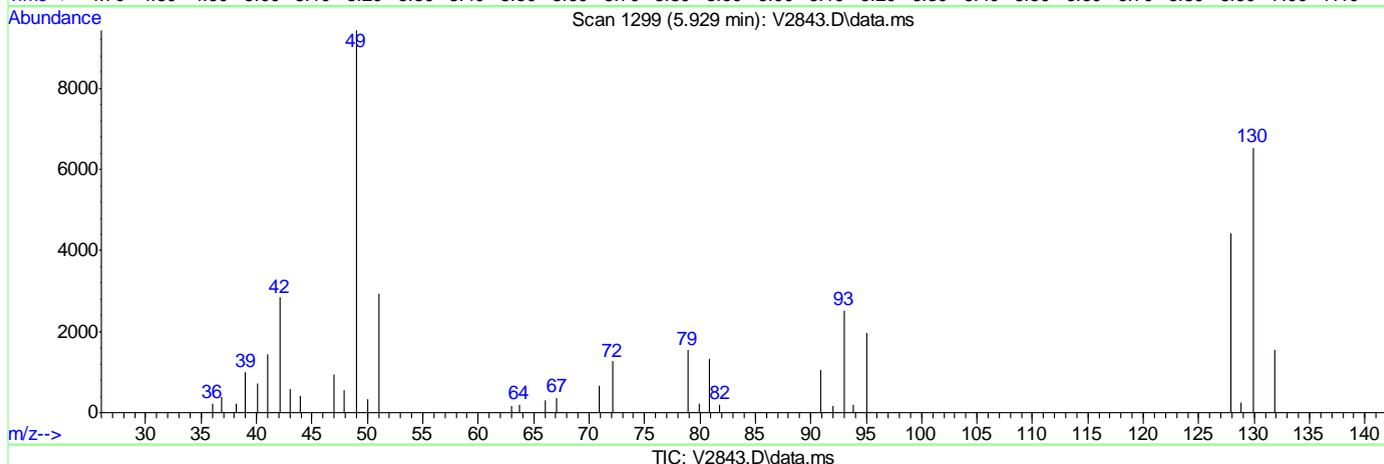
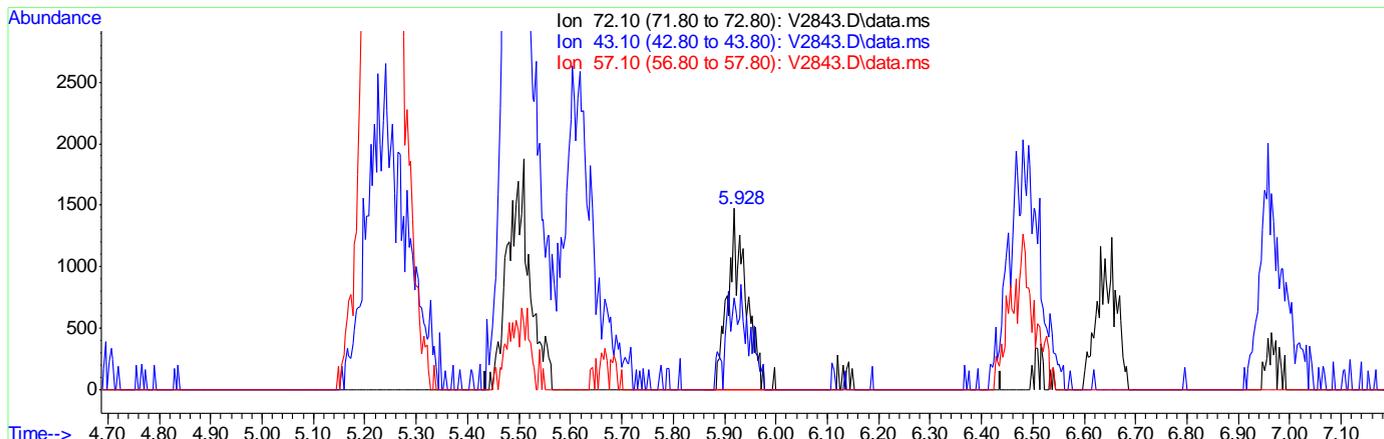
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.4

6



(30) 2-butanone (M)
 5.929min (-0.008) 4.13ug/L m
 response 3631

| Ion | Exp% | Act% |
|-------|-------|-------|
| 72.10 | 100 | 100 |
| 43.10 | 39.70 | 46.55 |
| 57.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

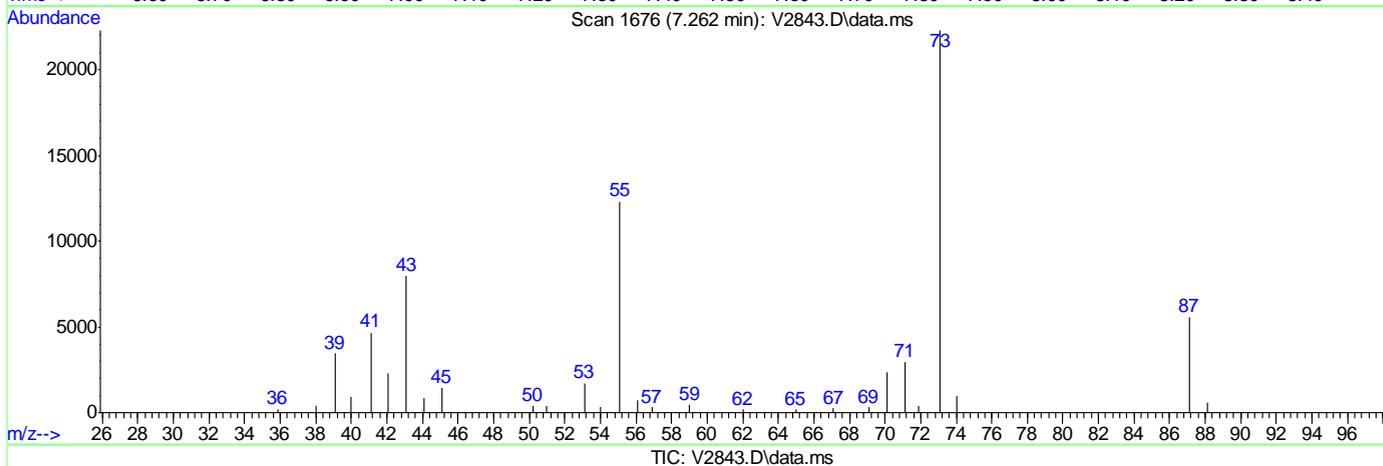
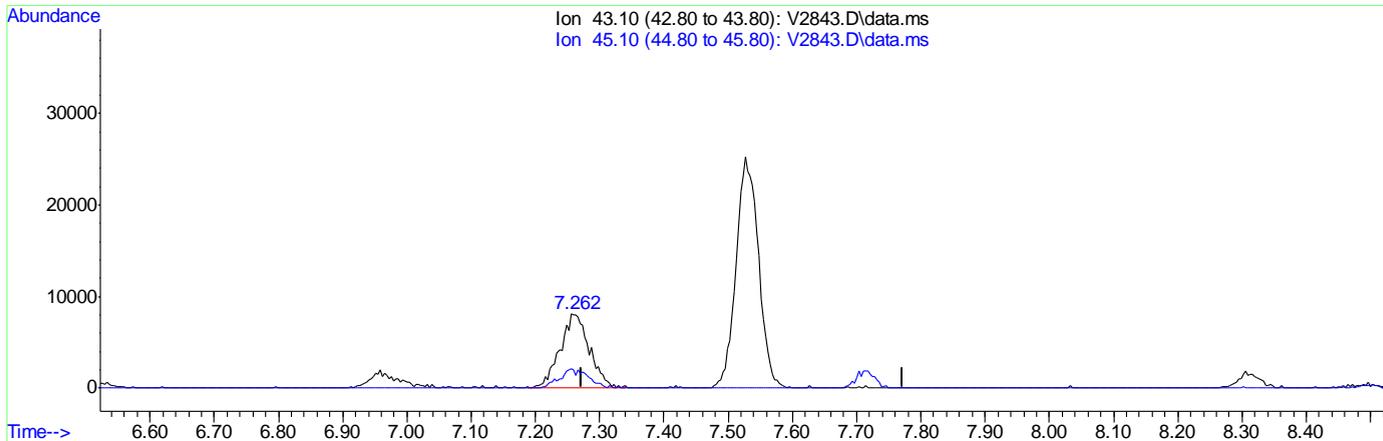
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.5

6



(37) ethyl acetate
 7.262min (-0.011) 3.68ug/L m
 response 25659

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

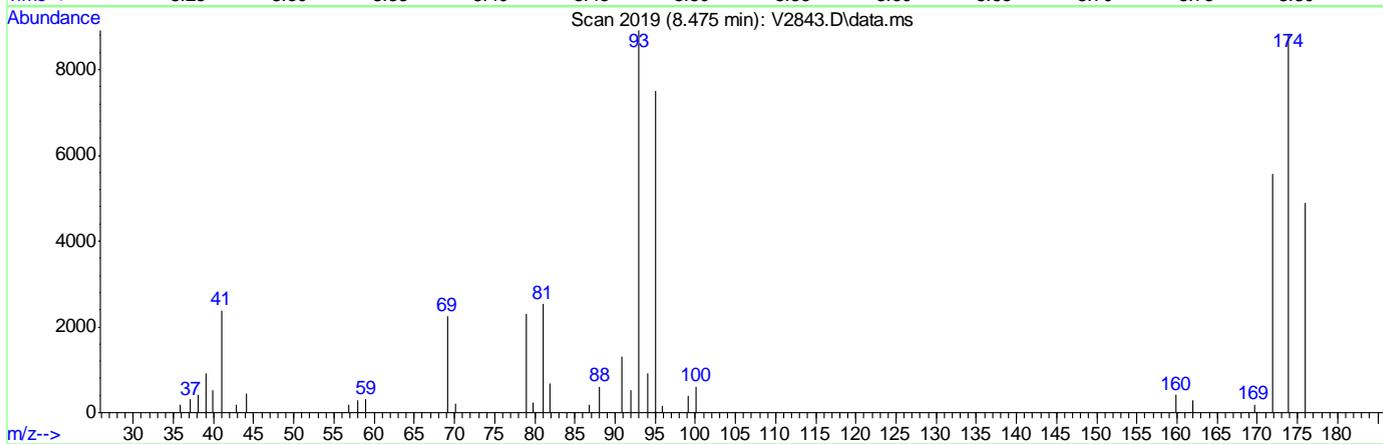
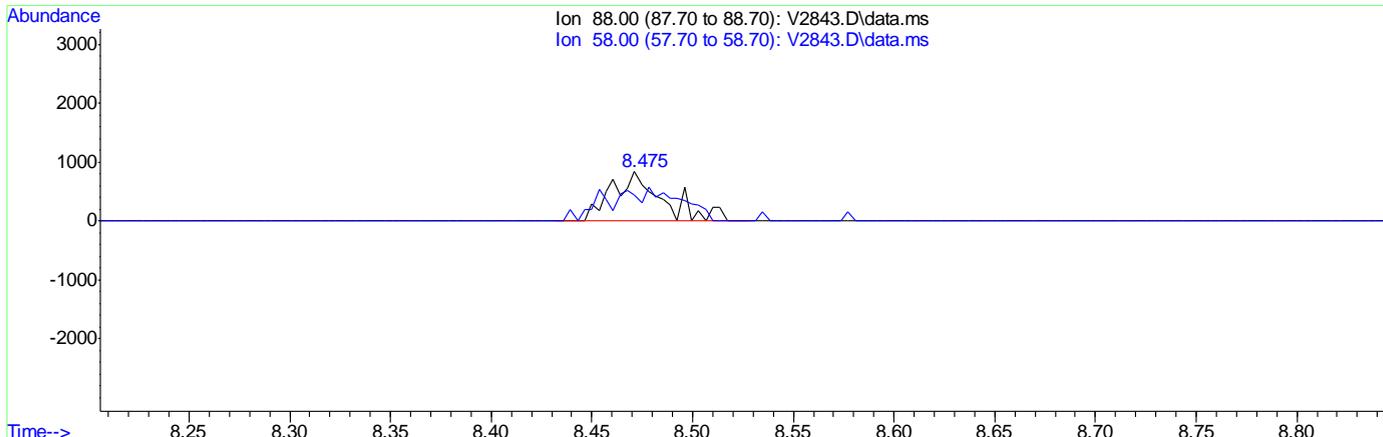
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2843.D
 Acq On : 24 Oct 2011 1:26 pm
 Operator : AMYM
 Sample : ic126-5
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:03:36 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.26.6

6



(58) 1,4-dioxane (M)
 8.475min (-0.046) 16.62ug/L m
 response 1461

| Ion | Exp% | Act% |
|-------|-------|-------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 49.51 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:10:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.502 | 65 | 229579 | 500.00 | ug/L | #-0.01 |
| 4) pentafluorobenzene | 6.528 | 168 | 695361 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.717 | 114 | 1038472 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.073 | 82 | 609347 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.308 | 152 | 548300 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.408 | 113 | 355197 | 48.99 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.98% |
| 60) toluene-d8 (s) | 9.538 | 98 | 1406526 | 49.31 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.62% |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 575483 | 47.05 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 94.10% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.610 | 59 | 57560 | 85.71 | ug/L | 91 |
| 3) Ethanol | 2.481 | 45 | 31718 | 1392.22 | ug/L | # 64 |
| 5) dichlorodifluoromethane | 1.506 | 85 | 91068 | 8.21 | ug/L | 94 |
| 6) chloromethane | 1.598 | 50 | 90227 | 9.10 | ug/L | 90 |
| 7) vinyl chloride | 1.710 | 62 | 102095 | 8.83 | ug/L | 93 |
| 8) bromomethane | 1.994 | 96 | 52857 | 8.61 | ug/L | 99 |
| 9) chloroethane | 2.097 | 64 | 46860 | 9.09 | ug/L | 98 |
| 10) ethyl ether | 2.591 | 59 | 57127 | 9.63 | ug/L | 94 |
| 11) acetonitrile | 3.272 | 41 | 113970 | 8.08 | ug/L | 96 |
| 12) trichlorofluoromethane | 2.335 | 101 | 114332 | 9.10 | ug/L | 93 |
| 13) freon-113 | 2.883 | 101 | 84341 | 9.46 | ug/L | 94 |
| 14) acrolein | 2.742 | 56 | 14672 | 46.71 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.846 | 96 | 72147 | 8.86 | ug/L | 94 |
| 16) acetone | 2.896 | 43 | 44215 | 11.40 | ug/L | 86 |
| 17) Methyl Acetate | 3.263 | 43 | 88014 | 10.46 | ug/L | # 92 |
| 18) methylene chloride | 3.442 | 84 | 115252 | 12.01 | ug/L | 84 |
| 19) methyl tert butyl ether | 3.813 | 73 | 194027 | 8.32 | ug/L | 100 |
| 20) acrylonitrile | 4.588 | 53 | 131948 | 45.09 | ug/L | 95 |
| 21) allyl chloride | 3.272 | 41 | 114009 | 8.08 | ug/L | 89 |
| 22) trans-1,2-dichloroethene | 3.808 | 96 | 84922 | 9.30 | ug/L | 93 |
| 23) iodomethane | 3.014 | 142 | 127102 | 8.80 | ug/L | 95 |
| 24) carbon disulfide | 3.098 | 76 | 205966 | 6.61 | ug/L | 100 |
| 25) propionitrile | 5.620 | 54 | 11085 | 9.23 | ug/L | 100 |
| 26) vinyl acetate | 4.511 | 43 | 152166m | 8.25 | ug/L | |
| 27) chloroprene | 4.588 | 53 | 131948 | 9.02 | ug/L | 93 |
| 28) di-isopropyl ether | 4.572 | 45 | 275832 | 9.59 | ug/L | 94 |
| 29) methacrylonitrile | 5.892 | 41 | 53103 | 9.44 | ug/L | 88 |
| 30) 2-butanone | 5.931 | 72 | 8128 | 8.95 | ug/L | 69 |
| 31) Hexane | 4.218 | 41 | 89537 | 9.65 | ug/L | # 94 |
| 32) 1,1-dichloroethane | 4.476 | 63 | 159759 | 9.08 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 5.240 | 59 | 211331 | 7.68 | ug/L | 88 |
| 34) isobutyl alcohol | 4.218 | 43 | 75299 | 47.89 | ug/L | 91 |
| 35) 2,2-dichloropropane | 5.511 | 77 | 91141 | 6.66 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 5.497 | 96 | 95011 | 9.32 | ug/L | 88 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:10:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.265 | 43 | 54771m | 7.59 | ug/L | |
| 38) bromochloromethane | 5.919 | 128 | 41780 | 9.54 | ug/L # | 78 |
| 39) chloroform | 6.137 | 83 | 163568 | 8.97 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.928 | 42 | 20282 | 9.58 | ug/L | 95 |
| 42) 1,1,1-trichloroethane | 6.379 | 97 | 124520 | 7.76 | ug/L | 94 |
| 44) Cyclohexane | 6.487 | 56 | 168958 | 10.20 | ug/L | 91 |
| 45) carbon tetrachloride | 6.632 | 117 | 103854 | 7.97 | ug/L | 91 |
| 46) 1,1-dichloropropene | 6.649 | 75 | 126500 | 9.77 | ug/L | 95 |
| 47) benzene | 6.970 | 78 | 351999 | 9.66 | ug/L | 96 |
| 48) 1,2-dichloroethane | 7.098 | 62 | 127650 | 10.01 | ug/L | 92 |
| 49) tert-amyl methyl ether | 7.264 | 73 | 166084 | 7.44 | ug/L | 92 |
| 50) heptane | 7.532 | 43 | 129938 | 10.00 | ug/L | 86 |
| 51) trichloroethene | 8.010 | 95 | 91118 | 9.19 | ug/L | 89 |
| 52) 1,2-dichloropropane | 8.362 | 63 | 90235 | 9.22 | ug/L | 99 |
| 53) dibromomethane | 8.466 | 93 | 52287 | 9.41 | ug/L | 96 |
| 54) bromodichloromethane | 8.719 | 83 | 93868 | 7.01 | ug/L | 99 |
| 55) Methylcyclohexane | 8.314 | 83 | 148465 | 9.07 | ug/L # | 85 |
| 56) 2-chloroethyl vinyl ether | 9.099 | 63 | 35470 | 7.15 | ug/L | 96 |
| 57) methyl methacrylate | 8.501 | 69 | 46186 | 8.53 | ug/L | 82 |
| 58) 1,4-dioxane | 8.482 | 88 | 3909m | 42.90 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.250 | 75 | 103766 | 6.54 | ug/L | 95 |
| 61) 4-methyl-2-pentanone | 9.439 | 43 | 63891 | 8.27 | ug/L | 95 |
| 62) toluene | 9.615 | 92 | 223529 | 9.98 | ug/L | 95 |
| 63) trans-1,3-dichloropropene | 9.905 | 75 | 79766 | 5.95 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.111 | 83 | 67077 | 9.93 | ug/L | 97 |
| 65) ethyl methacrylate | 9.989 | 69 | 85590 | 7.46 | ug/L | 86 |
| 67) tetrachloroethene | 10.168 | 166 | 97044 | 10.23 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.274 | 76 | 134864 | 9.89 | ug/L | 100 |
| 69) dibromochloromethane | 10.494 | 129 | 58558 | 6.46 | ug/L | 96 |
| 70) 1,2-dibromoethane | 10.603 | 107 | 72726 | 8.91 | ug/L | 96 |
| 71) 2-hexanone | 10.351 | 43 | 56448 | 8.97 | ug/L | 96 |
| 72) chlorobenzene | 11.102 | 112 | 243003 | 11.07 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.203 | 131 | 73262 | 9.27 | ug/L | 99 |
| 74) ethylbenzene | 11.209 | 91 | 432622 | 11.76 | ug/L | 99 |
| 75) m,p-xylene | 11.341 | 106 | 321921 | 21.54 | ug/L | 95 |
| 76) o-xylene | 11.711 | 106 | 154462 | 9.99 | ug/L | 97 |
| 77) styrene | 11.732 | 104 | 253613 | 9.90 | ug/L | 94 |
| 78) bromoform | 11.905 | 173 | 33046 | 5.29 | ug/L | 96 |
| 79) trans-1,4-dichloro-2-b... | 12.130 | 53 | 24103m | 7.86 | ug/L | |
| 81) isopropylbenzene | 12.067 | 105 | 356029 | 9.40 | ug/L | 99 |
| 83) bromobenzene | 12.357 | 156 | 104728 | 9.81 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.365 | 83 | 104485 | 9.64 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 96060 | 7.44 | ug/L | 84 |
| 86) n-propylbenzene | 12.459 | 91 | 509545 | 11.85 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.537 | 91 | 314726 | 9.78 | ug/L | 94 |
| 88) 4-chlorotoluene | 12.650 | 91 | 365970 | 10.28 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 12.632 | 105 | 362646 | 10.17 | ug/L | 98 |
| 90) tert-butylbenzene | 12.921 | 91 | 207422 | 9.25 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 12.976 | 105 | 362034 | 10.04 | ug/L | 99 |
| 92) sec-butylbenzene | 13.128 | 105 | 459293 | 10.94 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:10:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.233 | 146 | 192323 | 10.08 | ug/L | 96 |
| 94) p-isopropyltoluene | 13.273 | 119 | 349306 | 10.03 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.331 | 146 | 196088 | 10.27 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.653 | 146 | 187228 | 11.11 | ug/L | 98 |
| 97) n-butylbenzene | 13.647 | 91 | 364417 | 10.43 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.381 | 75 | 12359 | 5.87 | ug/L | 82 |
| 99) 1,3,5-trichlorobenzene | 14.548 | 180 | 149448 | 9.76 | ug/L | 94 |
| 100) 1,2,4-trichlorobenzene | 15.133 | 180 | 131958 | 9.56 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.274 | 225 | 83595 | 9.92 | ug/L | 99 |
| 102) naphthalene | 15.380 | 128 | 275318 | 8.93 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.585 | 180 | 132349 | 10.09 | ug/L | 98 |
| 104) 2-Methylnaphthalene | 16.504 | 142 | 58356 | 3.19 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.693 | 142 | 58719 | 3.83 | ug/L | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

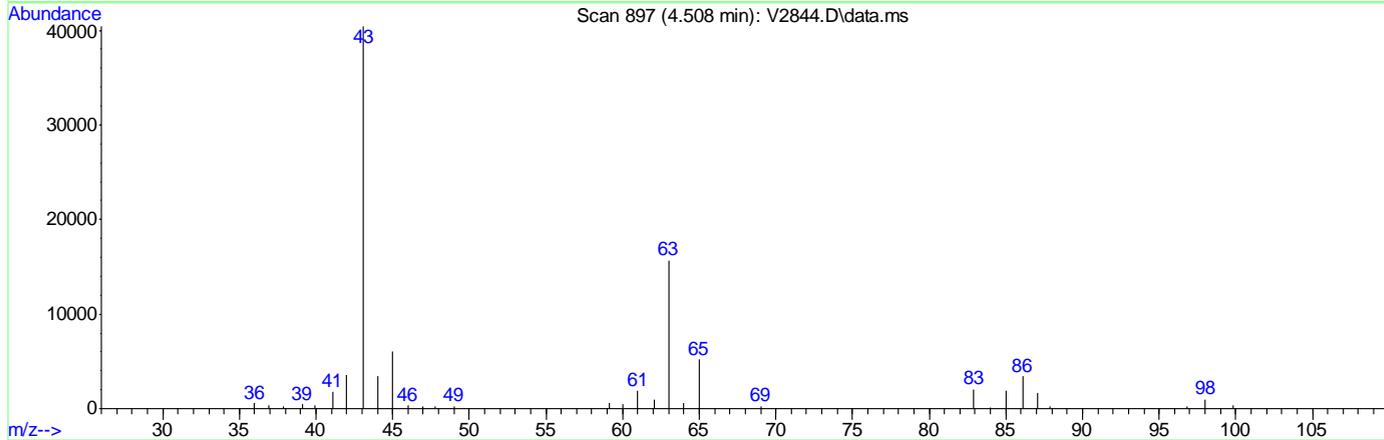
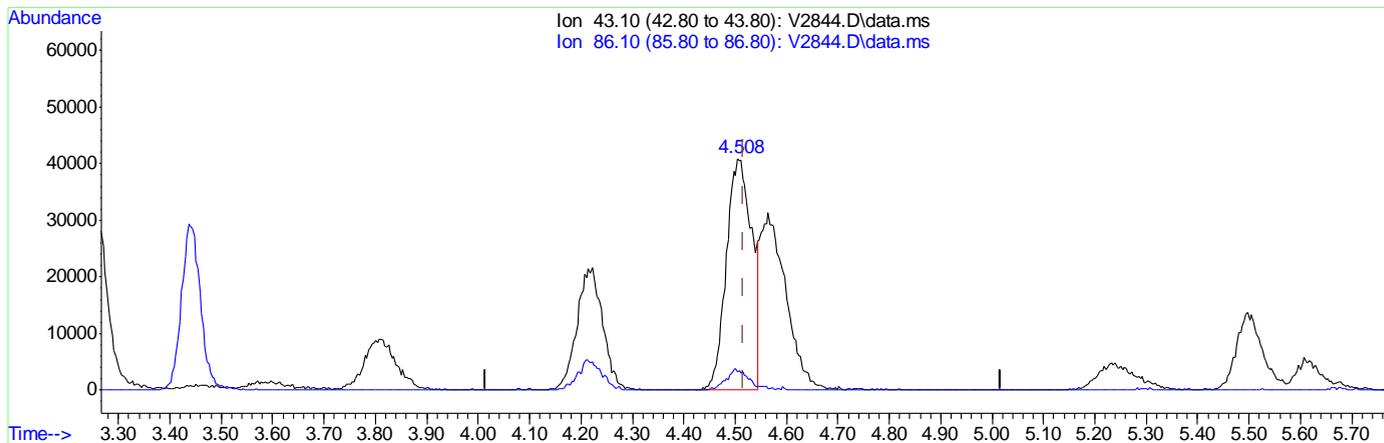
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.27.1

6



(26) vinyl acetate (M)
 4.508min (-0.009) 7.62ug/L
 response 140640

| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 8.46 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

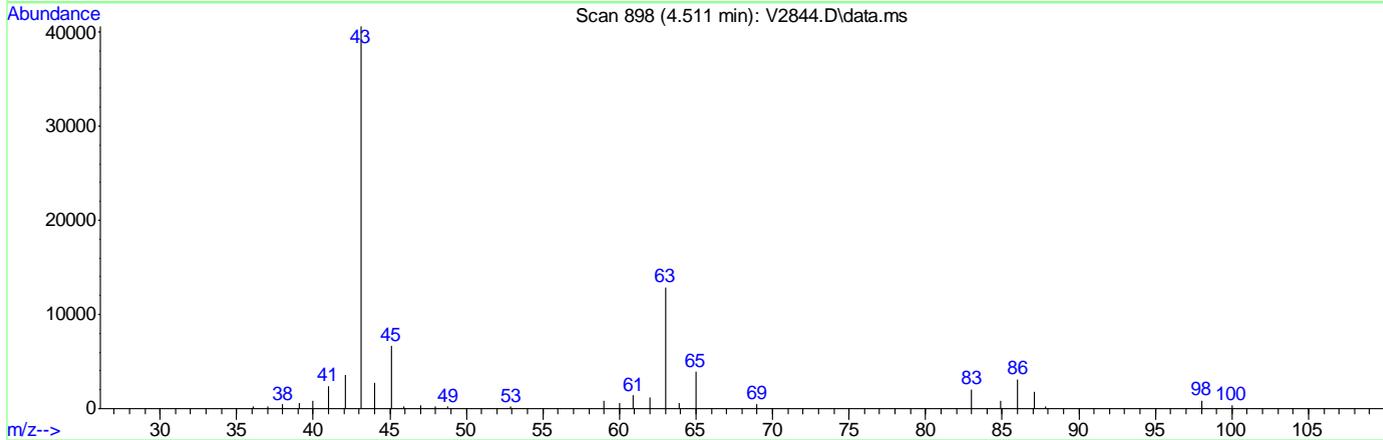
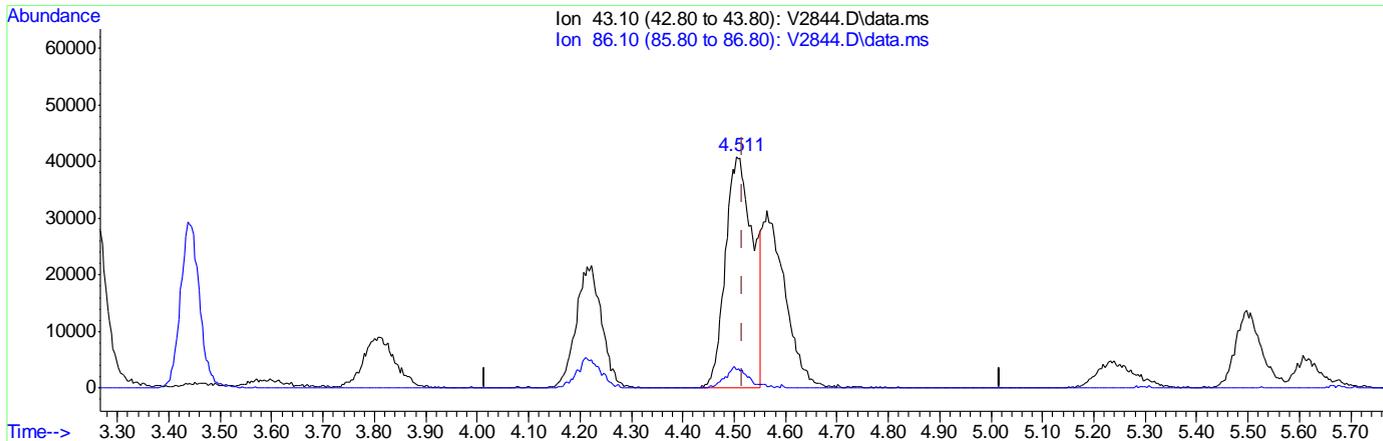
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.27.2

6



TIC: V2844.D\data.ms

(26) vinyl acetate (M)
 4.511min (-0.005) 8.25ug/L m
 response 152166

| Ion | Exp% | Act% |
|-------|-------|------|
| 43.10 | 100 | 100 |
| 86.10 | 10.20 | 7.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

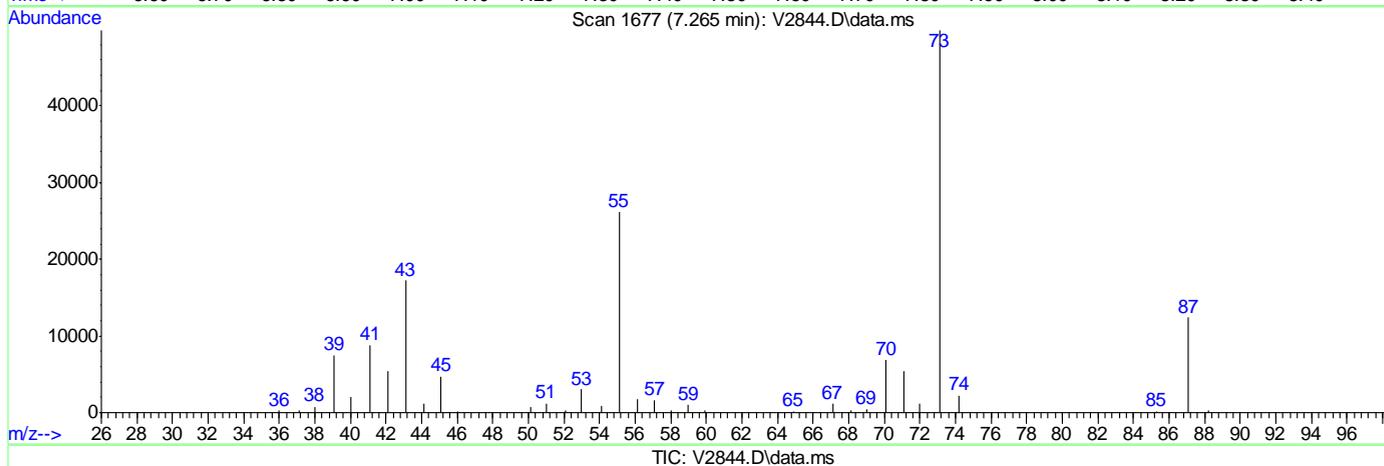
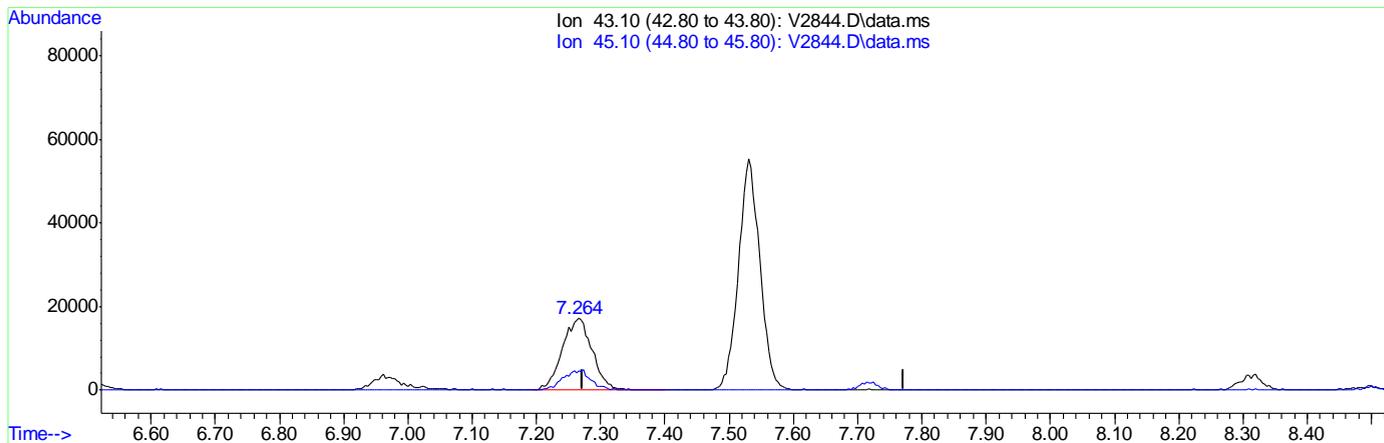
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.27.3

6



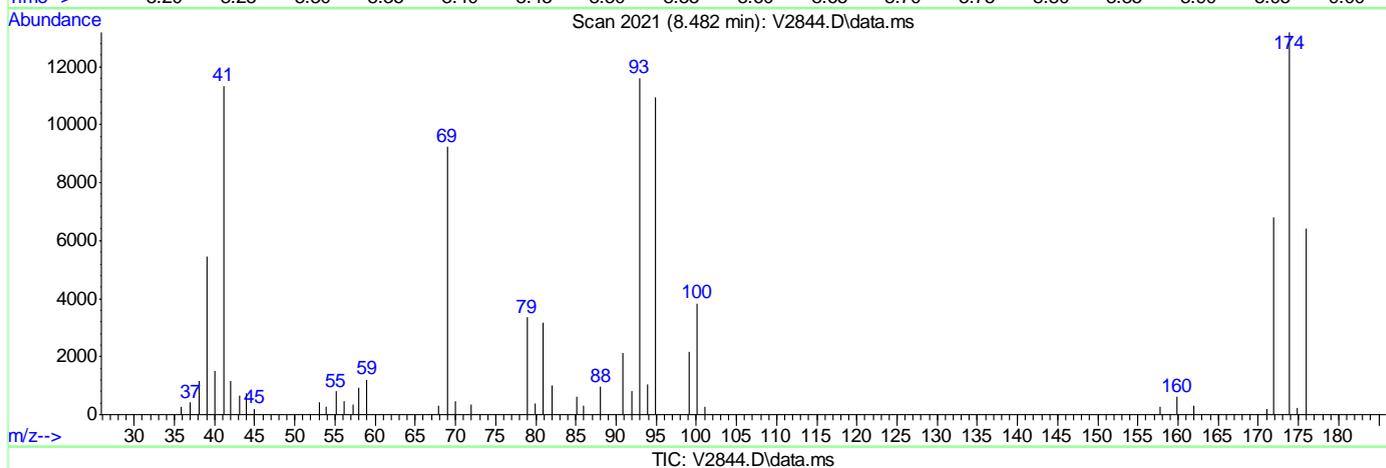
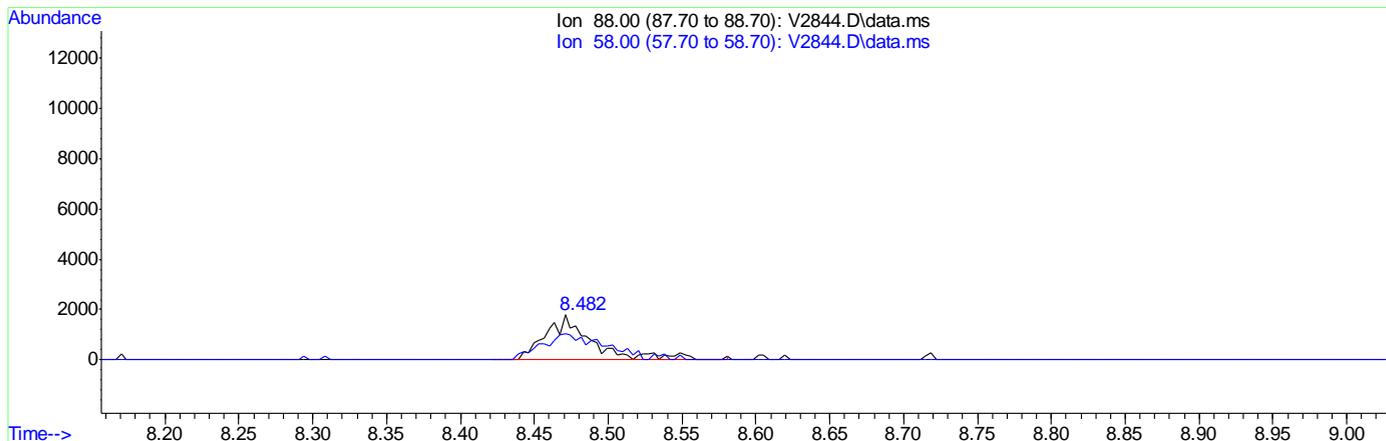
(37) ethyl acetate
 7.265min (-0.007) 7.59ug/L m
 response 54771

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(58) 1,4-dioxane (M)

8.482min (-0.039) 42.90ug/L m

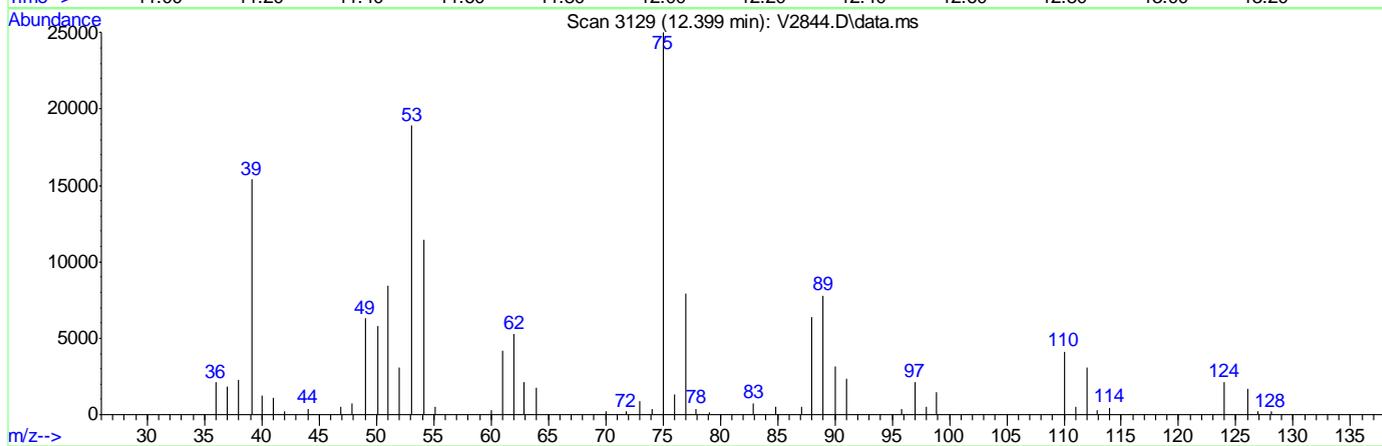
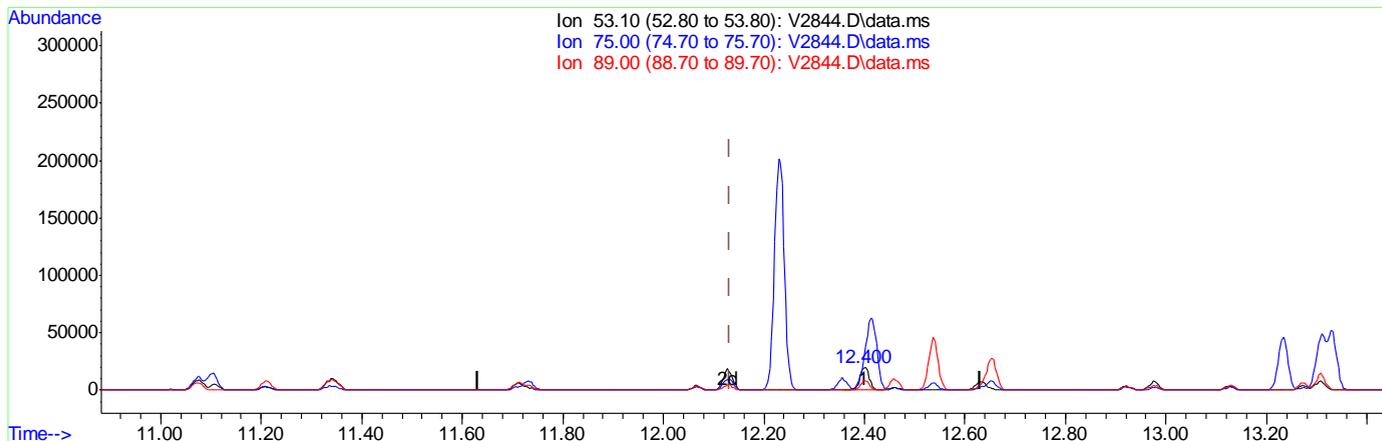
response 3909

| Ion | Exp% | Act% |
|-------|-------|--------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 95.60# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



TIC: V2844.D\data.ms

(79) trans-1,4-dichloro-2-butene (M)

12.400min (+0.268) 8.65ug/L

response 26546

| Ion | Exp% | Act% |
|-------|--------|--------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 114.28 |
| 89.00 | 49.90 | 41.20 |
| 0.00 | 0.00 | 0.00 |

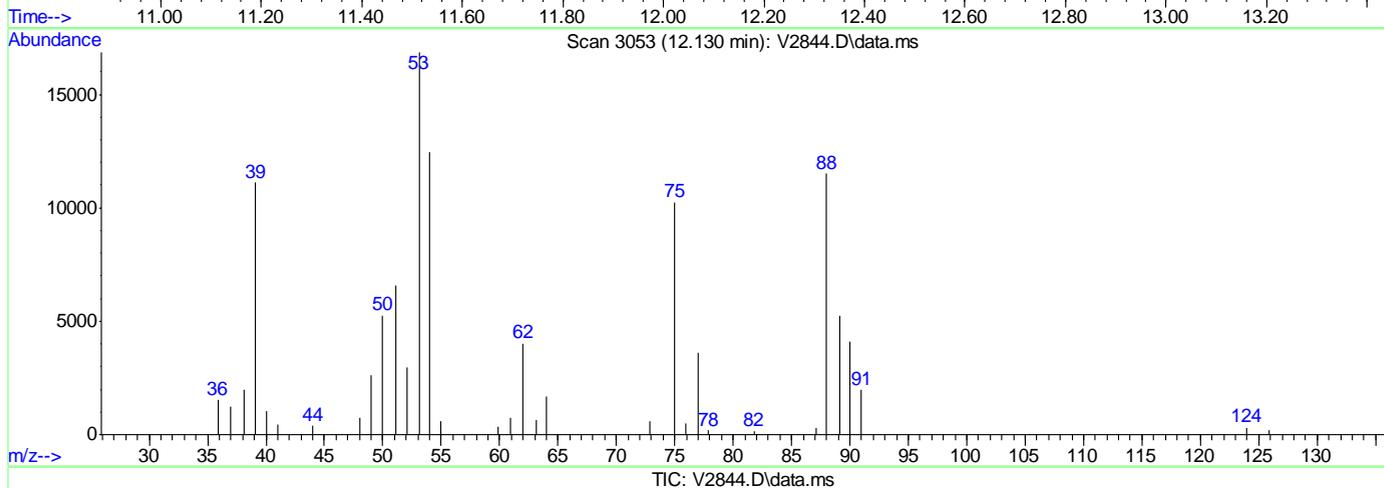
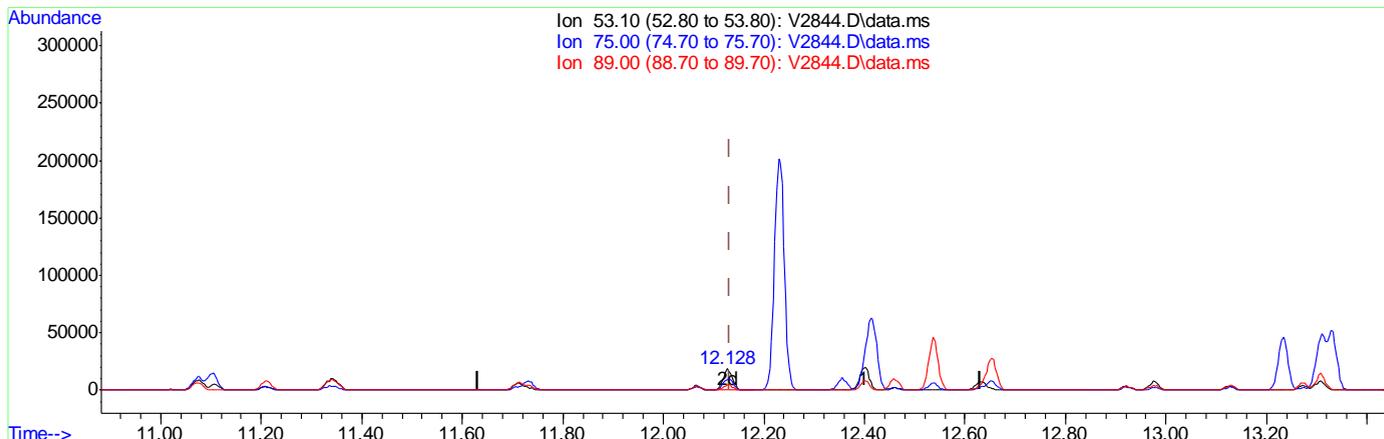
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2844.D
 Acq On : 24 Oct 2011 1:56 pm
 Operator : AMYM
 Sample : ic126-10
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:03:38 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.27.6

6



(79) trans-1,4-dichloro-2-butene (M)

12.130min (-0.002) 7.86ug/L m

response 24103

| Ion | Exp% | Act% |
|-------|--------|--------|
| 53.10 | 100 | 100 |
| 75.00 | 102.70 | 60.77# |
| 89.00 | 49.90 | 31.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2845.D
 Acq On : 24 Oct 2011 2:27 pm
 Operator : AMYM
 Sample : ic126-20
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:09 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.499 | 65 | 237018 | 500.00 | ug/L | -0.02 |
| 4) pentafluorobenzene | 6.524 | 168 | 699463 | 50.00 | ug/L | -0.01 |
| 43) 1,4-difluorobenzene | 7.715 | 114 | 1044990 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.073 | 82 | 613273 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.309 | 152 | 545089 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.403 | 113 | 359292 | 49.26 | ug/L | -0.01 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.52% |
| 60) toluene-d8 (s) | 9.538 | 98 | 1408649 | 49.07 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.14% |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 578050 | 47.53 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 95.06% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.605 | 59 | 111161 | 160.32 | ug/L | 92 |
| 3) Ethanol | 2.482 | 45 | 62286 | 2648.15 | ug/L # | 69 |
| 5) dichlorodifluoromethane | 1.500 | 85 | 167151 | 14.99 | ug/L | 99 |
| 6) chloromethane | 1.594 | 50 | 169206 | 16.96 | ug/L | 97 |
| 7) vinyl chloride | 1.705 | 62 | 184454 | 15.86 | ug/L | 96 |
| 8) bromomethane | 1.987 | 96 | 87419 | 14.15 | ug/L | 90 |
| 9) chloroethane | 2.089 | 64 | 82776 | 15.95 | ug/L | 91 |
| 10) ethyl ether | 2.583 | 59 | 104359 | 17.49 | ug/L | 99 |
| 11) acetonitrile | 3.265 | 41 | 219366 | 15.46 | ug/L | 96 |
| 12) trichlorofluoromethane | 2.328 | 101 | 198875 | 15.74 | ug/L | 92 |
| 13) freon-113 | 2.875 | 101 | 153004 | 17.06 | ug/L | 92 |
| 14) acrolein | 2.734 | 56 | 26442 | 83.70 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.839 | 96 | 133329 | 16.27 | ug/L | 84 |
| 16) acetone | 2.888 | 43 | 73145 | 18.75 | ug/L | 98 |
| 17) Methyl Acetate | 3.255 | 43 | 159679 | 18.86 | ug/L # | 91 |
| 18) methylene chloride | 3.435 | 84 | 197603 | 20.47 | ug/L | 85 |
| 19) methyl tert butyl ether | 3.806 | 73 | 363709 | 15.51 | ug/L | 96 |
| 20) acrylonitrile | 4.581 | 53 | 250071 | 84.95 | ug/L | 95 |
| 21) allyl chloride | 3.265 | 41 | 219366 | 15.46 | ug/L | 85 |
| 22) trans-1,2-dichloroethene | 3.800 | 96 | 155511 | 16.94 | ug/L | 87 |
| 23) iodomethane | 3.005 | 142 | 231335 | 15.92 | ug/L | 95 |
| 24) carbon disulfide | 3.089 | 76 | 390742 | 12.47 | ug/L | 98 |
| 25) propionitrile | 5.616 | 54 | 21846 | 18.07 | ug/L | 100 |
| 26) vinyl acetate | 4.499 | 43 | 260196 | 14.02 | ug/L | 95 |
| 27) chloroprene | 4.581 | 53 | 250071 | 16.99 | ug/L | 87 |
| 28) di-isopropyl ether | 4.566 | 45 | 514664 | 17.79 | ug/L | 94 |
| 29) methacrylonitrile | 5.886 | 41 | 96597 | 17.08 | ug/L | 95 |
| 30) 2-butanone | 5.924 | 72 | 15576 | 17.05 | ug/L | 75 |
| 31) Hexane | 4.210 | 41 | 160606 | 17.21 | ug/L # | 89 |
| 32) 1,1-dichloroethane | 4.470 | 63 | 295835 | 16.72 | ug/L | 99 |
| 33) tert-butyl ethyl ether | 5.235 | 59 | 401615 | 14.50 | ug/L | 92 |
| 34) isobutyl alcohol | 4.211 | 43 | 135079 | 85.41 | ug/L | 89 |
| 35) 2,2-dichloropropane | 5.507 | 77 | 174440 | 12.67 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 5.491 | 96 | 174024 | 16.97 | ug/L | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2845.D
 Acq On : 24 Oct 2011 2:27 pm
 Operator : AMYM
 Sample : ic126-20
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:09 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) ethyl acetate | 7.262 | 43 | 105597m | 14.56 | ug/L | |
| 38) bromochloromethane | 5.914 | 128 | 74393 | 16.89 | ug/L # | 77 |
| 39) chloroform | 6.132 | 83 | 301850 | 16.45 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.922 | 42 | 37733 | 17.73 | ug/L | 98 |
| 42) 1,1,1-trichloroethane | 6.374 | 97 | 234862 | 14.55 | ug/L | 93 |
| 44) Cyclohexane | 6.480 | 56 | 300371 | 18.03 | ug/L | 90 |
| 45) carbon tetrachloride | 6.628 | 117 | 195783 | 14.92 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.646 | 75 | 227892 | 17.50 | ug/L | 98 |
| 47) benzene | 6.966 | 78 | 633312 | 17.27 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.095 | 62 | 232749 | 18.14 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.262 | 73 | 319289 | 14.21 | ug/L | 93 |
| 50) heptane | 7.529 | 43 | 235174 | 17.98 | ug/L | 92 |
| 51) trichloroethene | 8.008 | 95 | 164540 | 16.48 | ug/L | 86 |
| 52) 1,2-dichloropropane | 8.360 | 63 | 169331 | 17.20 | ug/L | 99 |
| 53) dibromomethane | 8.464 | 93 | 96273 | 17.21 | ug/L | 97 |
| 54) bromodichloromethane | 8.718 | 83 | 180815 | 13.42 | ug/L | 99 |
| 55) Methylcyclohexane | 8.312 | 83 | 273981 | 16.63 | ug/L # | 87 |
| 56) 2-chloroethyl vinyl ether | 9.098 | 63 | 72953 | 14.61 | ug/L | 96 |
| 57) methyl methacrylate | 8.499 | 69 | 86235 | 15.83 | ug/L | 83 |
| 58) 1,4-dioxane | 8.474 | 88 | 6257 | 68.24 | ug/L | 78 |
| 59) cis-1,3-dichloropropene | 9.249 | 75 | 207474 | 13.00 | ug/L | 94 |
| 61) 4-methyl-2-pentanone | 9.438 | 43 | 125280 | 16.11 | ug/L | 97 |
| 62) toluene | 9.614 | 92 | 399105 | 17.70 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 9.905 | 75 | 163423 | 12.11 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.110 | 83 | 121367 | 17.85 | ug/L | 96 |
| 65) ethyl methacrylate | 9.989 | 69 | 179193 | 15.53 | ug/L | 88 |
| 67) tetrachloroethene | 10.167 | 166 | 172381 | 18.05 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.274 | 76 | 251064 | 18.29 | ug/L | 99 |
| 69) dibromochloromethane | 10.494 | 129 | 118004 | 12.93 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.603 | 107 | 138919 | 16.91 | ug/L | 100 |
| 71) 2-hexanone | 10.350 | 43 | 107103 | 16.91 | ug/L | 94 |
| 72) chlorobenzene | 11.103 | 112 | 435682 | 19.71 | ug/L | 91 |
| 73) 1,1,1,2-tetrachloroethane | 11.203 | 131 | 138750 | 17.45 | ug/L | 94 |
| 74) ethylbenzene | 11.209 | 91 | 793531 | 21.44 | ug/L | 100 |
| 75) m,p-xylene | 11.341 | 106 | 591734 | 39.35 | ug/L | 99 |
| 76) o-xylene | 11.711 | 106 | 288059 | 18.50 | ug/L | 96 |
| 77) styrene | 11.732 | 104 | 471328 | 18.28 | ug/L | 94 |
| 78) bromoform | 11.905 | 173 | 66889 | 10.64 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.129 | 53 | 45844 | 14.85 | ug/L | 76 |
| 81) isopropylbenzene | 12.067 | 105 | 666797 | 17.72 | ug/L | 100 |
| 83) bromobenzene | 12.357 | 156 | 194411 | 18.32 | ug/L | 92 |
| 84) 1,1,2,2-tetrachloroethane | 12.365 | 83 | 190441 | 17.68 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 184793 | 14.40 | ug/L | 93 |
| 86) n-propylbenzene | 12.460 | 91 | 922440 | 21.58 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.537 | 91 | 566014 | 17.69 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.651 | 91 | 647998 | 18.31 | ug/L | 98 |
| 89) 1,3,5-trimethylbenzene | 12.632 | 105 | 667211 | 18.83 | ug/L | 100 |
| 90) tert-butylbenzene | 12.922 | 91 | 387299 | 17.37 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.977 | 105 | 660153 | 18.41 | ug/L | 98 |
| 92) sec-butylbenzene | 13.128 | 105 | 843696 | 20.21 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2845.D
 Acq On : 24 Oct 2011 2:27 pm
 Operator : AMYM
 Sample : ic126-20
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:09 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

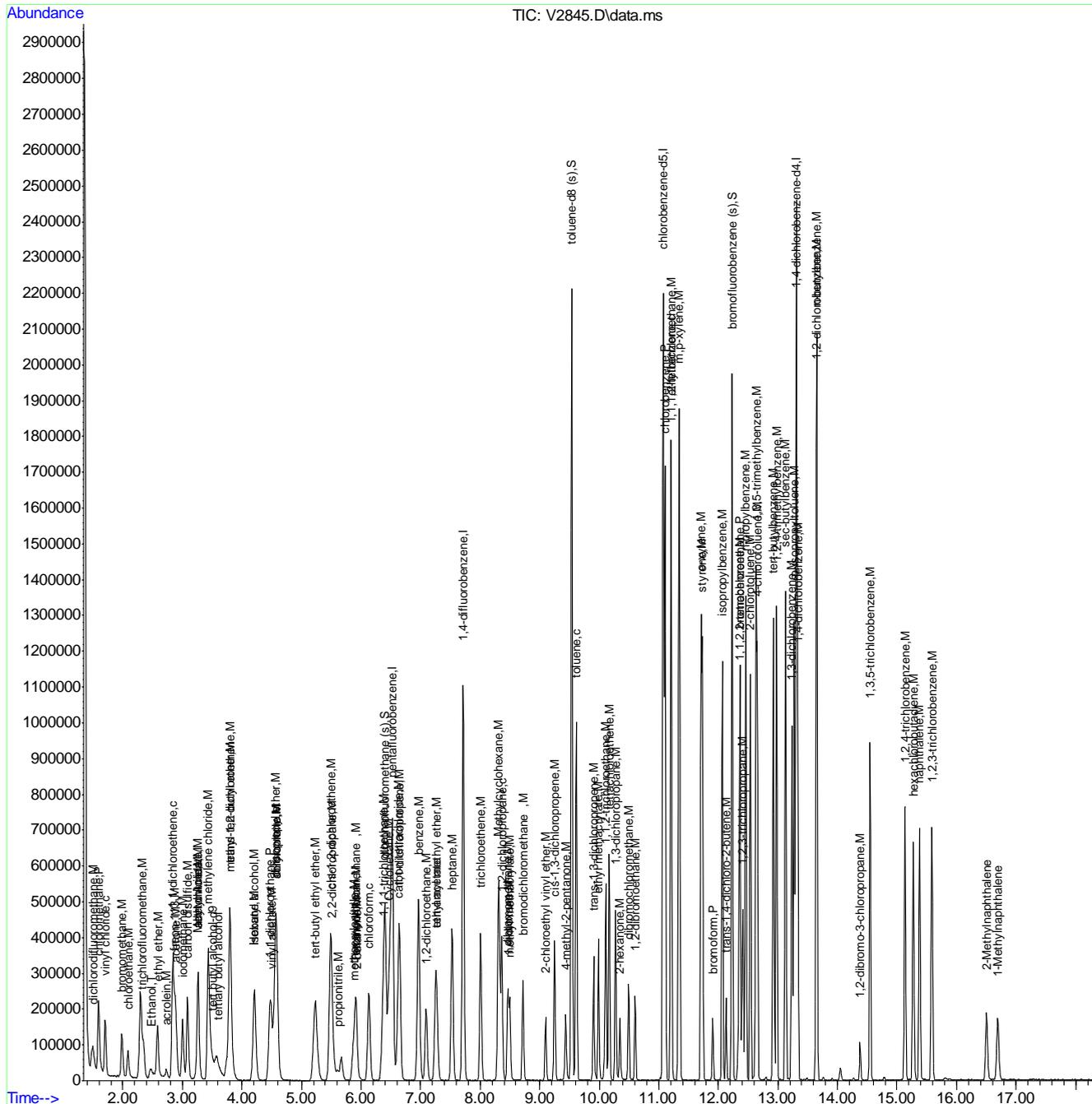
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.234 | 146 | 340876 | 17.98 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.273 | 119 | 639183 | 18.46 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.331 | 146 | 345950 | 18.23 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.654 | 146 | 330285 | 19.72 | ug/L | 98 |
| 97) n-butylbenzene | 13.647 | 91 | 649993 | 18.71 | ug/L | 100 |
| 98) 1,2-dibromo-3-chloropr... | 14.381 | 75 | 24145 | 11.53 | ug/L | 81 |
| 99) 1,3,5-trichlorobenzene | 14.548 | 180 | 266013 | 17.47 | ug/L | 99 |
| 100) 1,2,4-trichlorobenzene | 15.134 | 180 | 237515 | 17.30 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.274 | 225 | 150105 | 17.92 | ug/L | 95 |
| 102) naphthalene | 15.380 | 128 | 524248 | 17.10 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.586 | 180 | 238458 | 18.29 | ug/L | 96 |
| 104) 2-Methylnaphthalene | 16.505 | 142 | 131092 | 7.21 | ug/L | 97 |
| 105) 1-Methylnaphthalene | 16.693 | 142 | 125151 | 8.21 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2845.D
 Acq On : 24 Oct 2011 2:27 pm
 Operator : AMYM
 Sample : ic126-20
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:09 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



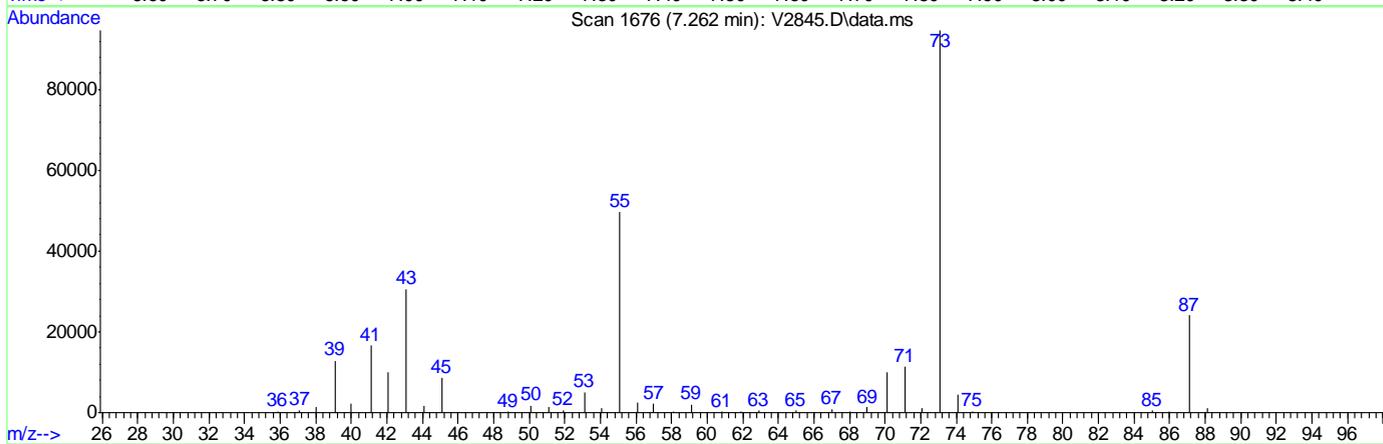
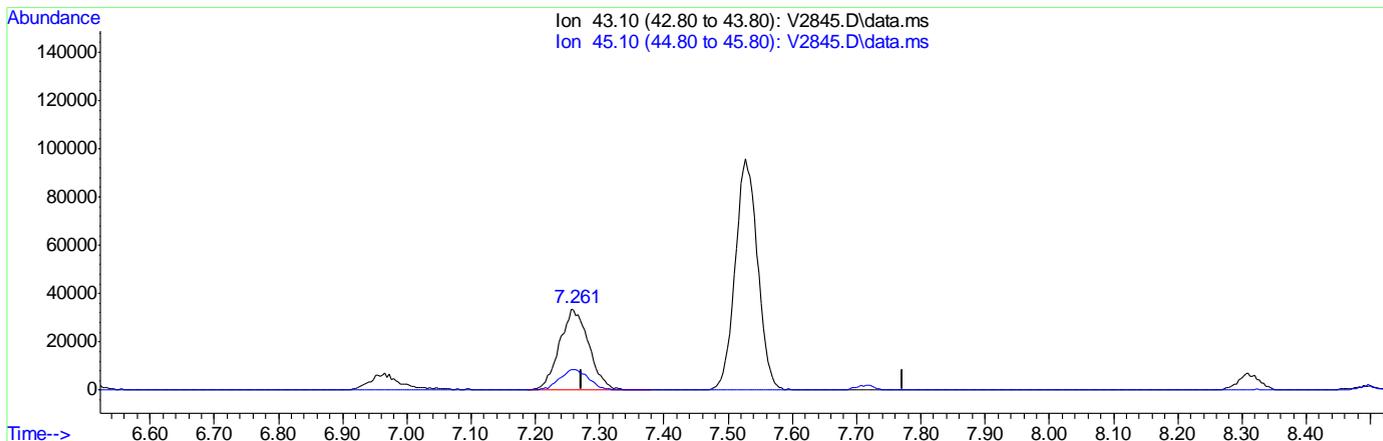
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2845.D
 Acq On : 24 Oct 2011 2:27 pm
 Operator : AMYM
 Sample : ic126-20
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:03:40 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.28.1

6



(37) ethyl acetate
 7.262min (-0.011) 14.56ug/L m
 response 105597

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2846.D
 Acq On : 24 Oct 2011 2:57 pm
 Operator : AMYM
 Sample : iccl126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:17:15 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.498 | 65 | 227852 | 500.00 | ug/L | -0.02 |
| 4) pentafluorobenzene | 6.530 | 168 | 683210 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.719 | 114 | 1010245 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.074 | 82 | 593283 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.309 | 152 | 521885 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.410 | 113 | 356892 | 50.10 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.20% |
| 60) toluene-d8 (s) | 9.540 | 98 | 1394258 | 50.24 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.48% |
| 82) bromofluorobenzene (s) | 12.232 | 95 | 568691 | 48.84 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.68% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.607 | 59 | 300945 | 451.50 | ug/L | 97 |
| 3) Ethanol | 2.482 | 45 | 155845 | 6892.44 | ug/L # | 72 |
| 5) dichlorodifluoromethane | 1.508 | 85 | 530346 | 48.69 | ug/L | 99 |
| 6) chloromethane | 1.608 | 50 | 478960 | 49.15 | ug/L | 99 |
| 7) vinyl chloride | 1.719 | 62 | 532076 | 46.85 | ug/L | 98 |
| 8) bromomethane | 2.002 | 96 | 300012 | 49.71 | ug/L | 96 |
| 9) chloroethane | 2.100 | 64 | 252144 | 49.76 | ug/L | 98 |
| 10) ethyl ether | 2.591 | 59 | 282306 | 48.45 | ug/L | 97 |
| 11) acetonitrile | 3.273 | 41 | 651450 | 47.01 | ug/L | 98 |
| 12) trichlorofluoromethane | 2.338 | 101 | 595592 | 48.25 | ug/L | 98 |
| 13) freon-113 | 2.886 | 101 | 423885 | 48.39 | ug/L | 96 |
| 14) acrolein | 2.743 | 56 | 73820 | 239.22 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.848 | 96 | 378862 | 47.35 | ug/L | 83 |
| 16) acetone | 2.894 | 43 | 281685 | 73.91 | ug/L | 94 |
| 17) Methyl Acetate | 3.262 | 43 | 427699 | 51.71 | ug/L # | 91 |
| 18) methylene chloride | 3.443 | 84 | 475858 | 50.46 | ug/L | 87 |
| 19) methyl tert butyl ether | 3.814 | 73 | 1031778 | 45.04 | ug/L | 96 |
| 20) acrylonitrile | 4.590 | 53 | 708354 | 246.35 | ug/L | 97 |
| 21) allyl chloride | 3.273 | 41 | 651661 | 47.02 | ug/L | 88 |
| 22) trans-1,2-dichloroethene | 3.809 | 96 | 435933 | 48.61 | ug/L | 89 |
| 23) iodomethane | 3.015 | 142 | 669129 | 47.16 | ug/L | 96 |
| 24) carbon disulfide | 3.098 | 76 | 1340333 | 43.79 | ug/L | 100 |
| 25) propionitrile | 5.622 | 54 | 57634 | 48.82 | ug/L | 100 |
| 26) vinyl acetate | 4.510 | 43 | 864216 | 47.67 | ug/L | 96 |
| 27) chloroprene | 4.590 | 53 | 708354 | 49.27 | ug/L | 85 |
| 28) di-isopropyl ether | 4.574 | 45 | 1408744 | 49.86 | ug/L | 95 |
| 29) methacrylonitrile | 5.891 | 41 | 272626 | 49.34 | ug/L | 93 |
| 30) 2-butanone | 5.932 | 72 | 42715 | 47.86 | ug/L | 82 |
| 31) Hexane | 4.220 | 41 | 463733 | 50.86 | ug/L | 88 |
| 32) 1,1-dichloroethane | 4.479 | 63 | 819839 | 47.42 | ug/L | 97 |
| 33) tert-butyl ethyl ether | 5.243 | 59 | 1168332 | 43.19 | ug/L | 95 |
| 34) isobutyl alcohol | 4.220 | 43 | 394348 | 255.28 | ug/L | 96 |
| 35) 2,2-dichloropropane | 5.515 | 77 | 557632 | 41.46 | ug/L | 99 |
| 36) cis-1,2-dichloroethene | 5.498 | 96 | 483461 | 48.27 | ug/L | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2846.D
 Acq On : 24 Oct 2011 2:57 pm
 Operator : AMYM
 Sample : iccl126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:17:15 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.266 | 43 | 310249m | 43.78 | ug/L | |
| 38) bromochloromethane | 5.921 | 128 | 205627 | 47.80 | ug/L | # 76 |
| 39) chloroform | 6.139 | 83 | 843294 | 47.06 | ug/L | 100 |
| 41) Tetrahydrofuran | 5.928 | 42 | 104082 | 50.06 | ug/L | 87 |
| 42) 1,1,1-trichloroethane | 6.381 | 97 | 689358 | 43.71 | ug/L | 95 |
| 44) Cyclohexane | 6.486 | 56 | 807150 | 50.10 | ug/L | 91 |
| 45) carbon tetrachloride | 6.634 | 117 | 593143 | 46.77 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.652 | 75 | 637346 | 50.62 | ug/L | 95 |
| 47) benzene | 6.972 | 78 | 1771287 | 49.96 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.100 | 62 | 632075 | 50.96 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.267 | 73 | 942306 | 43.39 | ug/L | 93 |
| 50) heptane | 7.534 | 43 | 690256 | 54.59 | ug/L | 90 |
| 51) trichloroethene | 8.012 | 95 | 470028 | 48.71 | ug/L | 85 |
| 52) 1,2-dichloropropane | 8.364 | 63 | 473573 | 49.75 | ug/L | 99 |
| 53) dibromomethane | 8.468 | 93 | 268156 | 49.58 | ug/L | 96 |
| 54) bromodichloromethane | 8.721 | 83 | 578985 | 44.44 | ug/L | 98 |
| 55) Methylcyclohexane | 8.316 | 83 | 796244 | 49.99 | ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 9.100 | 63 | 218139 | 45.19 | ug/L | 97 |
| 57) methyl methacrylate | 8.500 | 69 | 252560 | 47.96 | ug/L | 80 |
| 58) 1,4-dioxane | 8.485 | 88 | 19598 | 221.09 | ug/L | # 47 |
| 59) cis-1,3-dichloropropene | 9.251 | 75 | 681553 | 44.17 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.438 | 43 | 375038 | 49.90 | ug/L | 96 |
| 62) toluene | 9.616 | 92 | 1111863 | 51.01 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.906 | 75 | 556706 | 42.67 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.111 | 83 | 334314 | 50.86 | ug/L | 98 |
| 65) ethyl methacrylate | 9.989 | 69 | 527871 | 47.33 | ug/L | 87 |
| 67) tetrachloroethene | 10.169 | 166 | 481278 | 52.08 | ug/L | 99 |
| 68) 1,3-dichloropropane | 10.275 | 76 | 686507 | 51.71 | ug/L | 98 |
| 69) dibromochloromethane | 10.495 | 129 | 388908 | 44.06 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.604 | 107 | 388659 | 48.91 | ug/L | 99 |
| 71) 2-hexanone | 10.350 | 43 | 358645 | 58.55 | ug/L | 97 |
| 72) chlorobenzene | 11.104 | 112 | 1184237 | 55.39 | ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 11.205 | 131 | 405983 | 52.79 | ug/L | 98 |
| 74) ethylbenzene | 11.210 | 91 | 2177411 | 60.82 | ug/L | 100 |
| 75) m,p-xylene | 11.342 | 106 | 1628272 | 111.92 | ug/L | 99 |
| 76) o-xylene | 11.711 | 106 | 792095 | 52.60 | ug/L | 96 |
| 77) styrene | 11.733 | 104 | 1336875 | 53.59 | ug/L | 97 |
| 78) bromoform | 11.906 | 173 | 241770 | 39.77 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.129 | 53 | 141959 | 47.53 | ug/L | 85 |
| 81) isopropylbenzene | 12.067 | 105 | 1827294 | 50.71 | ug/L | 97 |
| 83) bromobenzene | 12.357 | 156 | 518090 | 50.98 | ug/L | 88 |
| 84) 1,1,2,2-tetrachloroethane | 12.366 | 83 | 518043 | 50.23 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 527107 | 42.89 | ug/L | 93 |
| 86) n-propylbenzene | 12.460 | 91 | 2555757 | 62.45 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.538 | 91 | 1562478 | 51.01 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.651 | 91 | 1784734 | 52.66 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.632 | 105 | 1837262 | 54.16 | ug/L | 99 |
| 90) tert-butylbenzene | 12.922 | 91 | 1062196 | 49.75 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.977 | 105 | 1840741 | 53.61 | ug/L | 99 |
| 92) sec-butylbenzene | 13.128 | 105 | 2334633 | 58.41 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2846.D
 Acq On : 24 Oct 2011 2:57 pm
 Operator : AMYM
 Sample : iccl126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:17:15 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

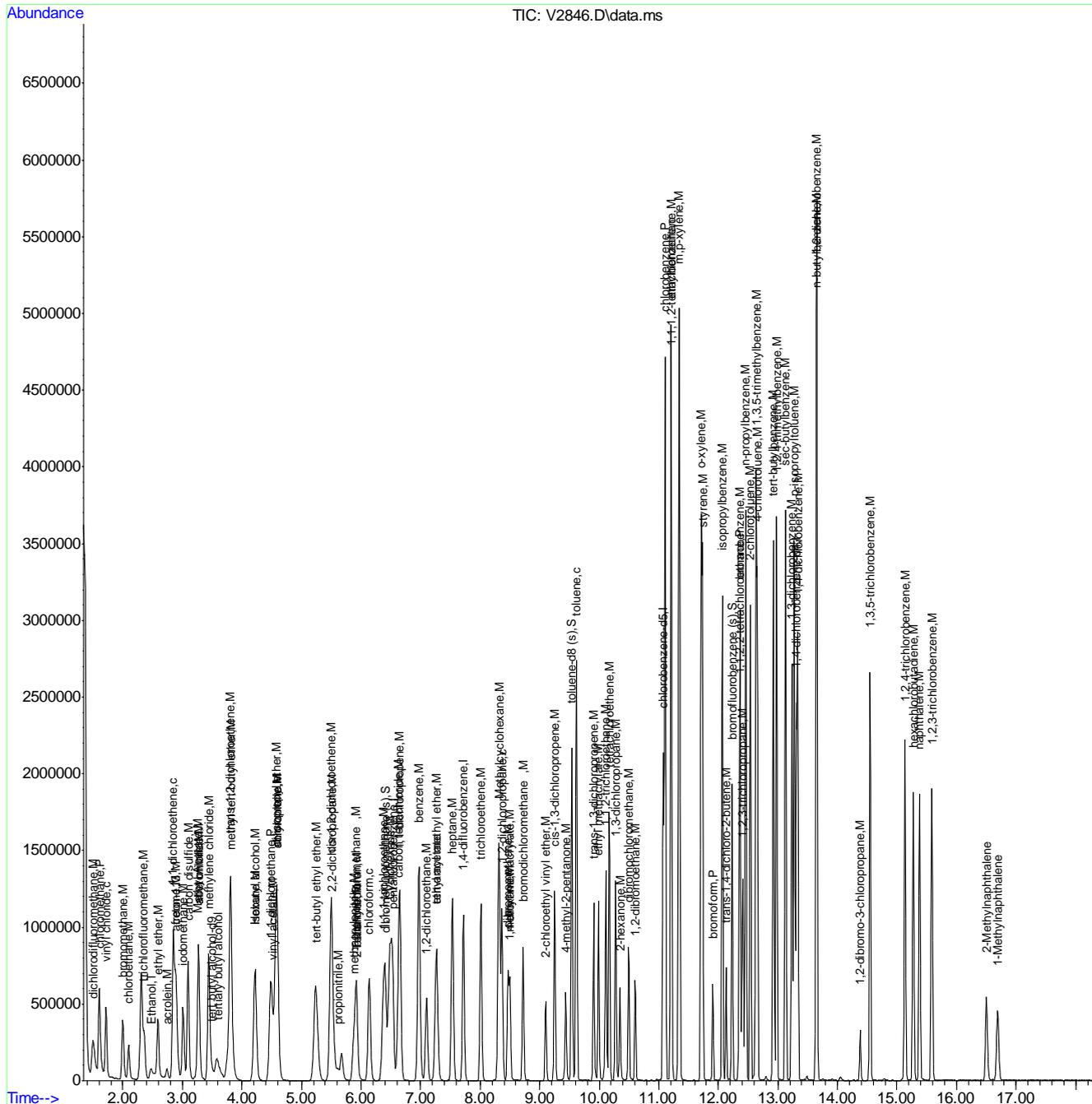
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.234 | 146 | 941546 | 51.86 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.273 | 119 | 1776021 | 53.58 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.332 | 146 | 961250 | 52.91 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.654 | 146 | 892104 | 55.64 | ug/L | 97 |
| 97) n-butylbenzene | 13.646 | 91 | 1893974 | 56.94 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 14.381 | 75 | 76870 | 38.33 | ug/L | 82 |
| 99) 1,3,5-trichlorobenzene | 14.548 | 180 | 782426 | 53.67 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.134 | 180 | 685654 | 52.17 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.274 | 225 | 414509 | 51.69 | ug/L | 98 |
| 102) naphthalene | 15.379 | 128 | 1429606 | 48.70 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.585 | 180 | 650827 | 52.15 | ug/L | 97 |
| 104) 2-Methylnaphthalene | 16.503 | 142 | 382858 | 21.99 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.692 | 142 | 342097 | 23.45 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2846.D
Acq On : 24 Oct 2011 2:57 pm
Operator : AMYM
Sample : iccl26-50
Misc : MS24207,MSV126,5,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:17:15 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:03:12 2011
Response via : Initial Calibration



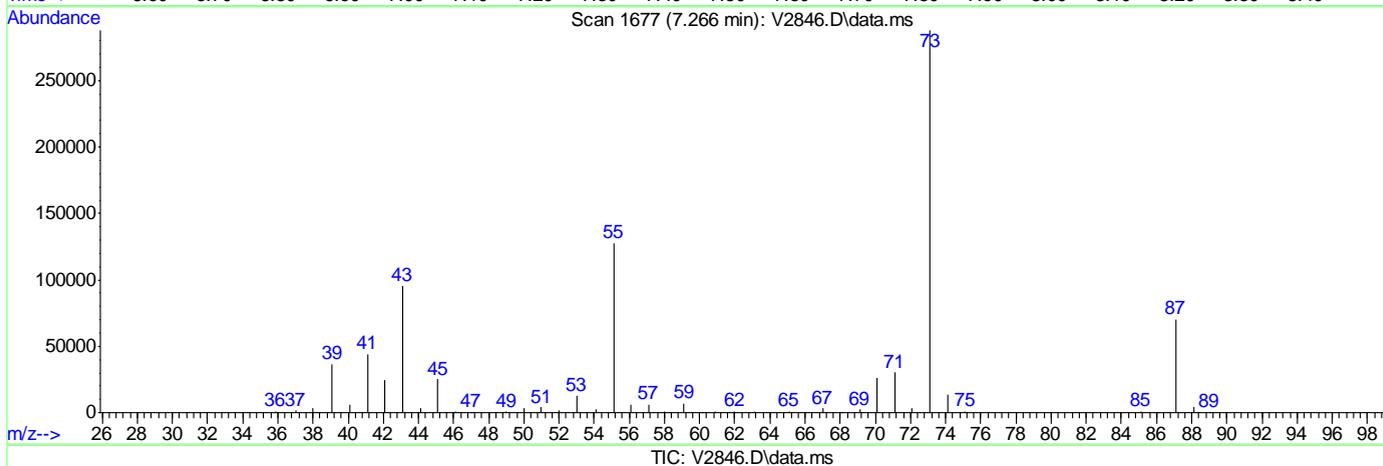
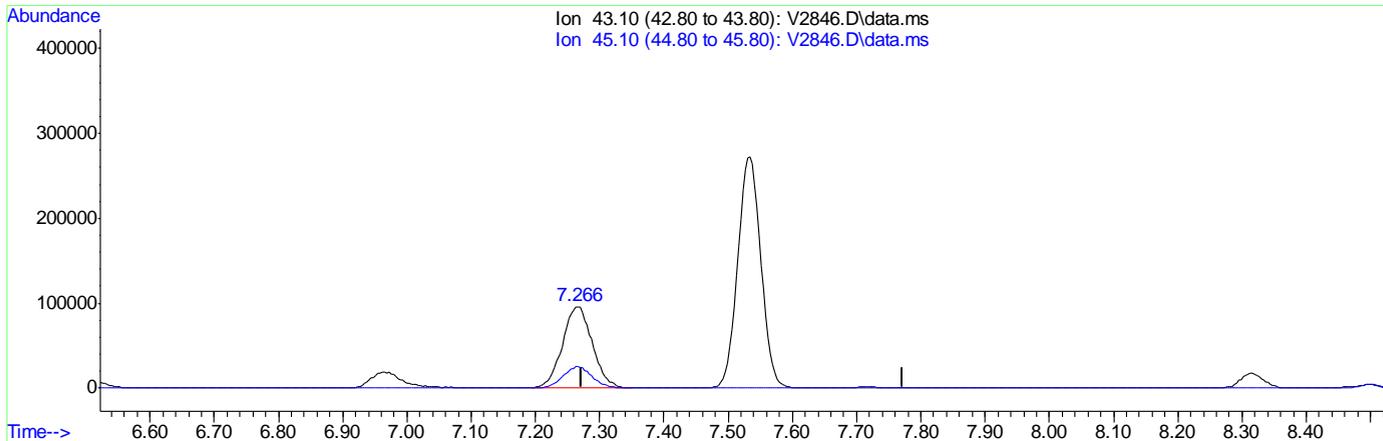
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2846.D
 Acq On : 24 Oct 2011 2:57 pm
 Operator : AMYM
 Sample : iccl26-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:03:43 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.29.1

6



(37) ethyl acetate
 7.266min (-0.007) 43.78ug/L m
 response 310249

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2847.D
 Acq On : 24 Oct 2011 3:27 pm
 Operator : AMYM
 Sample : ic126-100
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:18:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.505 | 65 | 237989 | 500.00 | ug/L | -0.01 | |
| 4) pentafluorobenzene | 6.532 | 168 | 682754 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.721 | 114 | 1023244 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.075 | 82 | 606782 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.310 | 152 | 525652 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.411 | 113 | 359947 | 50.56 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.12% | |
| 60) toluene-d8 (s) | 9.541 | 98 | 1403903 | 49.95 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.90% | |
| 82) bromofluorobenzene (s) | 12.233 | 95 | 572222 | 48.79 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 97.58% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.610 | 59 | 657617 | 944.58 | ug/L | | 98 |
| 3) Ethanol | 2.489 | 45 | 361037 | 15287.19 | ug/L | | 82 |
| 5) dichlorodifluoromethane | 1.508 | 85 | 1077029 | 98.94 | ug/L | | 98 |
| 6) chloromethane | 1.614 | 50 | 988298 | 101.49 | ug/L | | 99 |
| 7) vinyl chloride | 1.725 | 62 | 1105762 | 97.42 | ug/L | | 98 |
| 8) bromomethane | 2.006 | 96 | 616599 | 102.24 | ug/L | | 98 |
| 9) chloroethane | 2.102 | 64 | 518166 | 102.32 | ug/L | | 98 |
| 10) ethyl ether | 2.593 | 59 | 596630 | 102.45 | ug/L | | 94 |
| 11) acetonitrile | 3.275 | 41 | 1392655 | 100.56 | ug/L | | 99 |
| 12) trichlorofluoromethane | 2.341 | 101 | 1249845 | 101.33 | ug/L | | 95 |
| 13) freon-113 | 2.888 | 101 | 883280 | 100.90 | ug/L | | 95 |
| 14) acrolein | 2.745 | 56 | 156748 | 508.29 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.850 | 96 | 789511 | 98.73 | ug/L | | 90 |
| 16) acetone | 2.896 | 43 | 527696 | 138.56 | ug/L | | 96 |
| 17) Methyl Acetate | 3.263 | 43 | 881559 | 106.66 | ug/L | # | 90 |
| 18) methylene chloride | 3.445 | 84 | 959363 | 101.80 | ug/L | | 85 |
| 19) methyl tert butyl ether | 3.816 | 73 | 2214415 | 96.73 | ug/L | | 97 |
| 20) acrylonitrile | 4.593 | 53 | 1469160 | 511.28 | ug/L | | 98 |
| 21) allyl chloride | 3.275 | 41 | 1392655 | 100.56 | ug/L | | 87 |
| 22) trans-1,2-dichloroethene | 3.811 | 96 | 902706 | 100.73 | ug/L | | 92 |
| 23) iodomethane | 3.016 | 142 | 1398336 | 98.62 | ug/L | | 96 |
| 24) carbon disulfide | 3.098 | 76 | 2894188 | 94.61 | ug/L | | 99 |
| 25) propionitrile | 5.624 | 54 | 124154 | 105.23 | ug/L | | 100 |
| 26) vinyl acetate | 4.511 | 43 | 1788248 | 98.70 | ug/L | | 95 |
| 27) chloroprene | 4.593 | 53 | 1469160 | 102.26 | ug/L | | 87 |
| 28) di-isopropyl ether | 4.577 | 45 | 2941466 | 104.19 | ug/L | | 95 |
| 29) methacrylonitrile | 5.892 | 41 | 569640 | 103.16 | ug/L | | 91 |
| 30) 2-butanone | 5.932 | 72 | 89007 | 99.80 | ug/L | | 71 |
| 31) Hexane | 4.223 | 41 | 940435 | 103.21 | ug/L | | 92 |
| 32) 1,1-dichloroethane | 4.481 | 63 | 1726298 | 99.93 | ug/L | | 98 |
| 33) tert-butyl ethyl ether | 5.246 | 59 | 2541383 | 94.01 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.222 | 43 | 801983 | 519.51 | ug/L | | 97 |
| 35) 2,2-dichloropropane | 5.518 | 77 | 1237832 | 92.08 | ug/L | | 98 |
| 36) cis-1,2-dichloroethene | 5.501 | 96 | 1007352 | 100.64 | ug/L | | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2847.D
 Acq On : 24 Oct 2011 3:27 pm
 Operator : AMYM
 Sample : ic126-100
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:18:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.269 | 43 | 675328m | 95.37 | ug/L | |
| 38) bromochloromethane | 5.923 | 128 | 431242 | 100.31 | ug/L # | 78 |
| 39) chloroform | 6.140 | 83 | 1764918 | 98.55 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.929 | 42 | 220089 | 105.93 | ug/L | 93 |
| 42) 1,1,1-trichloroethane | 6.383 | 97 | 1507222 | 95.63 | ug/L | 96 |
| 44) Cyclohexane | 6.488 | 56 | 1677064 | 102.78 | ug/L | 91 |
| 45) carbon tetrachloride | 6.636 | 117 | 1279971 | 99.64 | ug/L | 95 |
| 46) 1,1-dichloropropene | 6.654 | 75 | 1332301 | 104.46 | ug/L | 97 |
| 47) benzene | 6.974 | 78 | 3681434 | 102.52 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.102 | 62 | 1310045 | 104.27 | ug/L | 98 |
| 49) tert-amyl methyl ether | 7.268 | 73 | 2079664 | 94.54 | ug/L | 95 |
| 50) heptane | 7.535 | 43 | 1411578 | 110.22 | ug/L | 93 |
| 51) trichloroethene | 8.013 | 95 | 990441 | 101.33 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.366 | 63 | 1005827 | 104.32 | ug/L | 99 |
| 53) dibromomethane | 8.469 | 93 | 563278 | 102.83 | ug/L | 95 |
| 54) bromodichloromethane | 8.722 | 83 | 1281983 | 97.14 | ug/L | 99 |
| 55) Methylcyclohexane | 8.317 | 83 | 1661741 | 103.01 | ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 9.101 | 63 | 481815 | 98.54 | ug/L | 97 |
| 57) methyl methacrylate | 8.501 | 69 | 543344 | 101.87 | ug/L | 84 |
| 58) 1,4-dioxane | 8.486 | 88 | 41734 | 464.83 | ug/L | 66 |
| 59) cis-1,3-dichloropropene | 9.252 | 75 | 1520941 | 97.32 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.438 | 43 | 788957 | 103.63 | ug/L | 96 |
| 62) toluene | 9.617 | 92 | 2297536 | 104.07 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 9.907 | 75 | 1260545 | 95.38 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.112 | 83 | 689618 | 103.58 | ug/L | 99 |
| 65) ethyl methacrylate | 9.989 | 69 | 1154731 | 102.21 | ug/L | 89 |
| 67) tetrachloroethene | 10.170 | 166 | 1006138 | 106.46 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.276 | 76 | 1423218 | 104.81 | ug/L | 99 |
| 69) dibromochloromethane | 10.495 | 129 | 870293 | 96.40 | ug/L | 97 |
| 70) 1,2-dibromoethane | 10.605 | 107 | 830982 | 102.26 | ug/L | 97 |
| 71) 2-hexanone | 10.350 | 43 | 718298 | 114.65 | ug/L | 97 |
| 72) chlorobenzene | 11.104 | 112 | 2414398 | 110.42 | ug/L | 93 |
| 73) 1,1,1,2-tetrachloroethane | 11.205 | 131 | 860613 | 109.41 | ug/L | 98 |
| 74) ethylbenzene | 11.211 | 91 | 4490969 | 122.64 | ug/L | 99 |
| 75) m,p-xylene | 11.343 | 106 | 3328672 | 223.71 | ug/L | 100 |
| 76) o-xylene | 11.712 | 106 | 1660342 | 107.80 | ug/L | 96 |
| 77) styrene | 11.733 | 104 | 2787626 | 109.27 | ug/L | 96 |
| 78) bromoform | 11.906 | 173 | 571915 | 91.98 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.130 | 53 | 311641 | 102.02 | ug/L | 95 |
| 81) isopropylbenzene | 12.068 | 105 | 3858213 | 106.30 | ug/L | 99 |
| 83) bromobenzene | 12.358 | 156 | 1059181 | 103.48 | ug/L | 88 |
| 84) 1,1,2,2-tetrachloroethane | 12.366 | 83 | 1072729 | 103.27 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.412 | 75 | 1205651 | 97.39 | ug/L | 84 |
| 86) n-propylbenzene | 12.461 | 91 | 5286278 | 128.24 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.539 | 91 | 3250380 | 105.36 | ug/L | 95 |
| 88) 4-chlorotoluene | 12.652 | 91 | 3659961 | 107.22 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.633 | 105 | 3795152 | 111.07 | ug/L | 99 |
| 90) tert-butylbenzene | 12.923 | 91 | 2215655 | 103.04 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.978 | 105 | 3803357 | 109.98 | ug/L | 98 |
| 92) sec-butylbenzene | 13.129 | 105 | 4868506 | 120.94 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2847.D
 Acq On : 24 Oct 2011 3:27 pm
 Operator : AMYM
 Sample : ic126-100
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:18:20 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.235 | 146 | 1923898 | 105.21 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.274 | 119 | 3682148 | 110.30 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.333 | 146 | 1937534 | 105.89 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.655 | 146 | 1791894 | 110.96 | ug/L | 97 |
| 97) n-butylbenzene | 13.647 | 91 | 3866968 | 115.42 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 14.381 | 75 | 179003 | 88.61 | ug/L | 87 |
| 99) 1,3,5-trichlorobenzene | 14.549 | 180 | 1612806 | 109.84 | ug/L | 96 |
| 100) 1,2,4-trichlorobenzene | 15.134 | 180 | 1449307 | 109.49 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.275 | 225 | 897196 | 111.08 | ug/L | 99 |
| 102) naphthalene | 15.380 | 128 | 3173816 | 107.33 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.586 | 180 | 1404289 | 111.71 | ug/L | 94 |
| 104) 2-Methylnaphthalene | 16.503 | 142 | 960090 | 54.74 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.692 | 142 | 841680 | 57.29 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

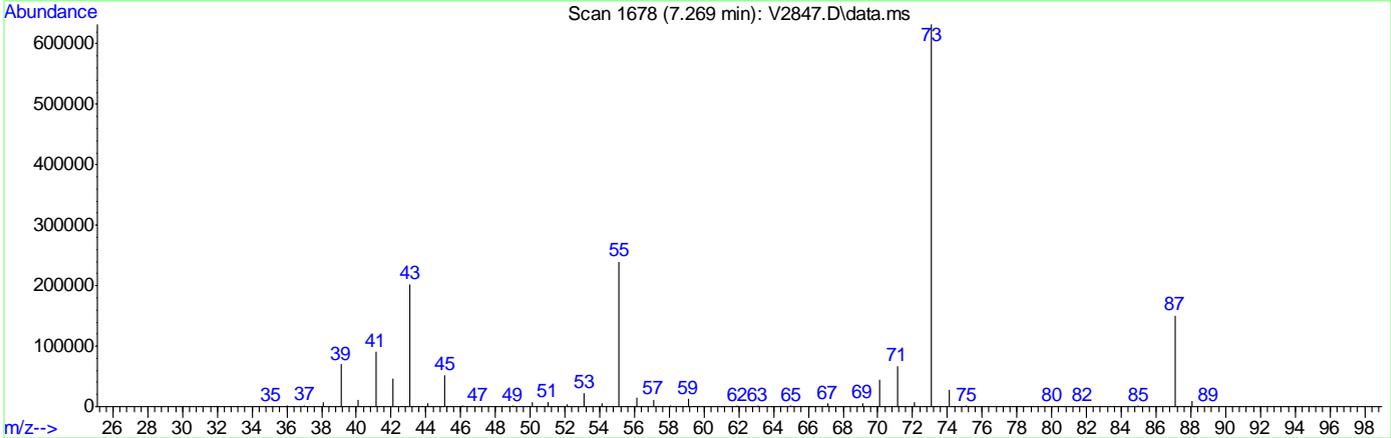
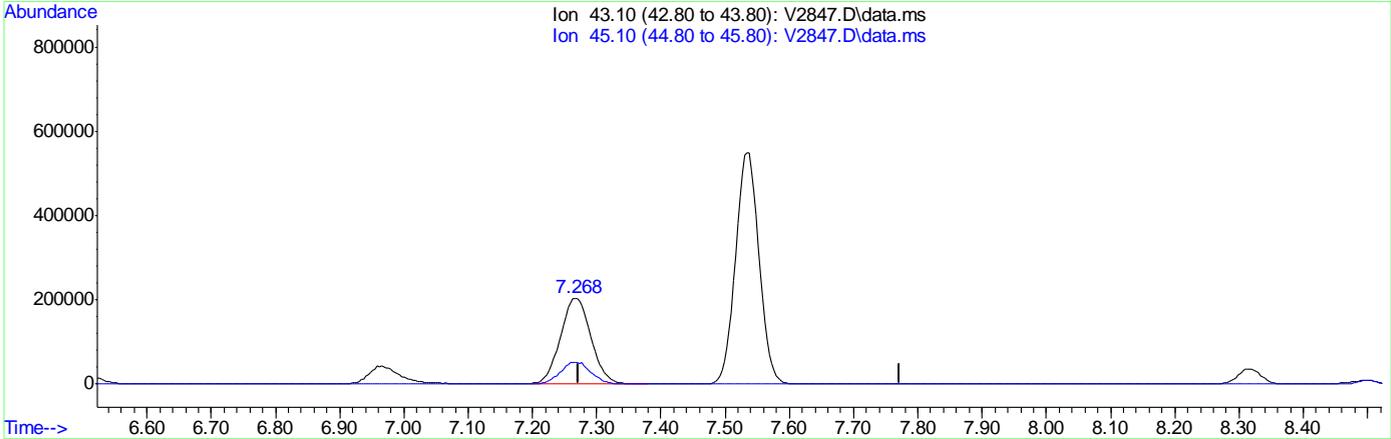
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2847.D
 Acq On : 24 Oct 2011 3:27 pm
 Operator : AMYM
 Sample : ic126-100
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:03:46 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.30.1

6



(37) ethyl acetate
 7.269min (-0.003) 95.37ug/L m
 response 675328

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2848.D
 Acq On : 24 Oct 2011 3:57 pm
 Operator : AMYM
 Sample : ic126-200
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 24 17:19:23 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|--------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.511 | 65 | 263388 | 500.00 | ug/L | 0.00 | |
| 4) pentafluorobenzene | 6.534 | 168 | 662188 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.723 | 114 | 1003850 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.076 | 82 | 588166 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.311 | 152 | 513466 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.413 | 113 | 360023 | 52.14 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 104.28% | |
| 60) toluene-d8 (s) | 9.542 | 98 | 1408737 | 51.09 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.18% | |
| 82) bromofluorobenzene (s) | 12.234 | 95 | 569546 | 49.72 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.44% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.613 | 59 | 1584451 | 2056.39 | ug/L | | 91 |
| 3) Ethanol | 2.490 | 45 | 744334 | 28477.69 | ug/L | | 81 |
| 5) dichlorodifluoromethane | 1.508 | 85 | 2143697 | 203.05 | ug/L | | 98 |
| 6) chloromethane | 1.619 | 50 | 1985363 | 210.21 | ug/L | | 98 |
| 7) vinyl chloride | 1.732 | 62 | 2260784 | 205.36 | ug/L | | 96 |
| 8) bromomethane | 2.010 | 96 | 1229713 | 210.23 | ug/L | | 95 |
| 9) chloroethane | 2.103 | 64 | 1029109 | 209.52 | ug/L | | 98 |
| 10) ethyl ether | 2.594 | 59 | 1209118 | 214.08 | ug/L | | 95 |
| 11) acetonitrile | 3.275 | 41 | 2806123 | 208.91 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.342 | 101 | 2493734 | 208.46 | ug/L | | 98 |
| 13) freon-113 | 2.889 | 101 | 1776636 | 209.26 | ug/L | | 97 |
| 14) acrolein | 2.746 | 56 | 286525 | 957.97 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.850 | 96 | 1592154 | 205.29 | ug/L | | 96 |
| 16) acetone | 2.897 | 43 | 1050902 | 284.50 | ug/L | | 95 |
| 17) Methyl Acetate | 3.264 | 43 | 1885976 | 235.26 | ug/L | | 93 |
| 18) methylene chloride | 3.446 | 84 | 1917019 | 209.74 | ug/L | | 87 |
| 19) methyl tert butyl ether | 3.818 | 73 | 4751310 | 213.99 | ug/L | | 97 |
| 20) acrylonitrile | 4.594 | 53 | 2918181 | 1047.08 | ug/L | | 100 |
| 21) allyl chloride | 3.275 | 41 | 2806123 | 208.92 | ug/L | | 89 |
| 22) trans-1,2-dichloroethene | 3.812 | 96 | 1794495 | 206.46 | ug/L | | 90 |
| 23) iodomethane | 3.017 | 142 | 2841330 | 206.60 | ug/L | | 96 |
| 24) carbon disulfide | 3.099 | 76 | 6042171 | 203.65 | ug/L | | 100 |
| 25) propionitrile | 5.625 | 54 | 264106 | 230.81 | ug/L | | 100 |
| 26) vinyl acetate | 4.514 | 43 | 3661221 | 208.34 | ug/L | | 95 |
| 27) chloroprene | 4.594 | 53 | 2918181 | 209.42 | ug/L | | 86 |
| 28) di-isopropyl ether | 4.579 | 45 | 5850076 | 213.64 | ug/L | | 96 |
| 29) methacrylonitrile | 5.894 | 41 | 1219097 | 227.63 | ug/L | | 93 |
| 30) 2-butanone | 5.935 | 72 | 197866 | 228.74 | ug/L | | 80 |
| 31) Hexane | 4.224 | 41 | 1879150 | 212.65 | ug/L # | | 91 |
| 32) 1,1-dichloroethane | 4.483 | 63 | 3468490 | 207.01 | ug/L | | 98 |
| 33) tert-butyl ethyl ether | 5.249 | 59 | 5364655 | 204.61 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.224 | 43 | 1603055 | 1070.68 | ug/L | | 97 |
| 35) 2,2-dichloropropane | 5.521 | 77 | 2604326 | 199.76 | ug/L | | 97 |
| 36) cis-1,2-dichloroethene | 5.503 | 96 | 2023985 | 208.48 | ug/L | | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2848.D
 Acq On : 24 Oct 2011 3:57 pm
 Operator : AMYM
 Sample : ic126-200
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 24 17:19:23 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) ethyl acetate | 7.269 | 43 | 1438172m | 209.40 | ug/L | |
| 38) bromochloromethane | 5.925 | 128 | 877897 | 210.55 | ug/L # | 79 |
| 39) chloroform | 6.142 | 83 | 3579423 | 206.08 | ug/L | 100 |
| 41) Tetrahydrofuran | 5.930 | 42 | 474762 | 235.60 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.385 | 97 | 3102038 | 202.93 | ug/L | 97 |
| 44) Cyclohexane | 6.491 | 56 | 3359104 | 209.84 | ug/L | 92 |
| 45) carbon tetrachloride | 6.638 | 117 | 2630143 | 208.69 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.657 | 75 | 2659302 | 212.54 | ug/L | 98 |
| 47) benzene | 6.977 | 78 | 7395752 | 209.93 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.105 | 62 | 2664583 | 216.19 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.271 | 73 | 4533672 | 210.08 | ug/L | 95 |
| 50) heptane | 7.537 | 43 | 2802367 | 223.05 | ug/L | 93 |
| 51) trichloroethene | 8.015 | 95 | 1993052 | 207.85 | ug/L | 88 |
| 52) 1,2-dichloropropane | 8.368 | 63 | 2016664 | 213.21 | ug/L | 99 |
| 53) dibromomethane | 8.471 | 93 | 1169265 | 217.58 | ug/L | 95 |
| 54) bromodichloromethane | 8.723 | 83 | 2691416 | 207.87 | ug/L | 100 |
| 55) Methylcyclohexane | 8.319 | 83 | 3336733 | 210.84 | ug/L | 90 |
| 56) 2-chloroethyl vinyl ether | 9.102 | 63 | 1042293 | 217.29 | ug/L | 97 |
| 57) methyl methacrylate | 8.502 | 69 | 1179755 | 225.46 | ug/L | 83 |
| 58) 1,4-dioxane | 8.496 | 88 | 93097 | 1056.93 | ug/L # | 1 |
| 59) cis-1,3-dichloropropene | 9.254 | 75 | 3197086 | 208.51 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.439 | 43 | 1732087 | 231.91 | ug/L | 97 |
| 62) toluene | 9.618 | 92 | 4588075 | 211.83 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 9.908 | 75 | 2726459 | 210.29 | ug/L | 95 |
| 64) 1,1,2-trichloroethane | 10.114 | 83 | 1428015 | 218.63 | ug/L | 100 |
| 65) ethyl methacrylate | 9.990 | 69 | 2441460 | 220.28 | ug/L | 90 |
| 67) tetrachloroethene | 10.172 | 166 | 1968170 | 214.85 | ug/L | 99 |
| 68) 1,3-dichloropropane | 10.277 | 76 | 2919352 | 221.79 | ug/L | 99 |
| 69) dibromochloromethane | 10.497 | 129 | 1874082 | 214.15 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.606 | 107 | 1731984 | 219.87 | ug/L | 97 |
| 71) 2-hexanone | 10.350 | 43 | 1459948 | 240.40 | ug/L | 98 |
| 72) chlorobenzene | 11.106 | 112 | 4713073 | 222.37 | ug/L | 93 |
| 73) 1,1,1,2-tetrachloroethane | 11.207 | 131 | 1717542 | 225.26 | ug/L | 96 |
| 74) ethylbenzene | 11.213 | 91 | 8707767 | 245.33 | ug/L | 99 |
| 75) m,p-xylene | 11.345 | 106 | 6446849 | 446.99 | ug/L | 99 |
| 76) o-xylene | 11.714 | 106 | 3245797 | 217.40 | ug/L | 97 |
| 77) styrene | 11.735 | 104 | 5468252 | 221.13 | ug/L | 95 |
| 78) bromoform | 11.908 | 173 | 1303880 | 216.34 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.131 | 53 | 675950 | 228.29 | ug/L | 98 |
| 81) isopropylbenzene | 12.069 | 105 | 7629593 | 215.20 | ug/L | 98 |
| 83) bromobenzene | 12.359 | 156 | 2114284 | 211.47 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.368 | 83 | 2244425 | 221.20 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.413 | 75 | 2617972 | 216.50 | ug/L | 90 |
| 86) n-propylbenzene | 12.463 | 91 | 10230031 | 254.05 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.541 | 91 | 6364835 | 211.21 | ug/L | 95 |
| 88) 4-chlorotoluene | 12.654 | 91 | 7105662 | 213.10 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 12.635 | 105 | 7335652 | 219.78 | ug/L | 100 |
| 90) tert-butylbenzene | 12.924 | 91 | 4354449 | 207.31 | ug/L | 95 |
| 91) 1,2,4-trimethylbenzene | 12.980 | 105 | 7370967 | 218.20 | ug/L | 98 |
| 92) sec-butylbenzene | 13.131 | 105 | 9392459 | 238.86 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2848.D
 Acq On : 24 Oct 2011 3:57 pm
 Operator : AMYM
 Sample : ic126-200
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 24 17:19:23 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

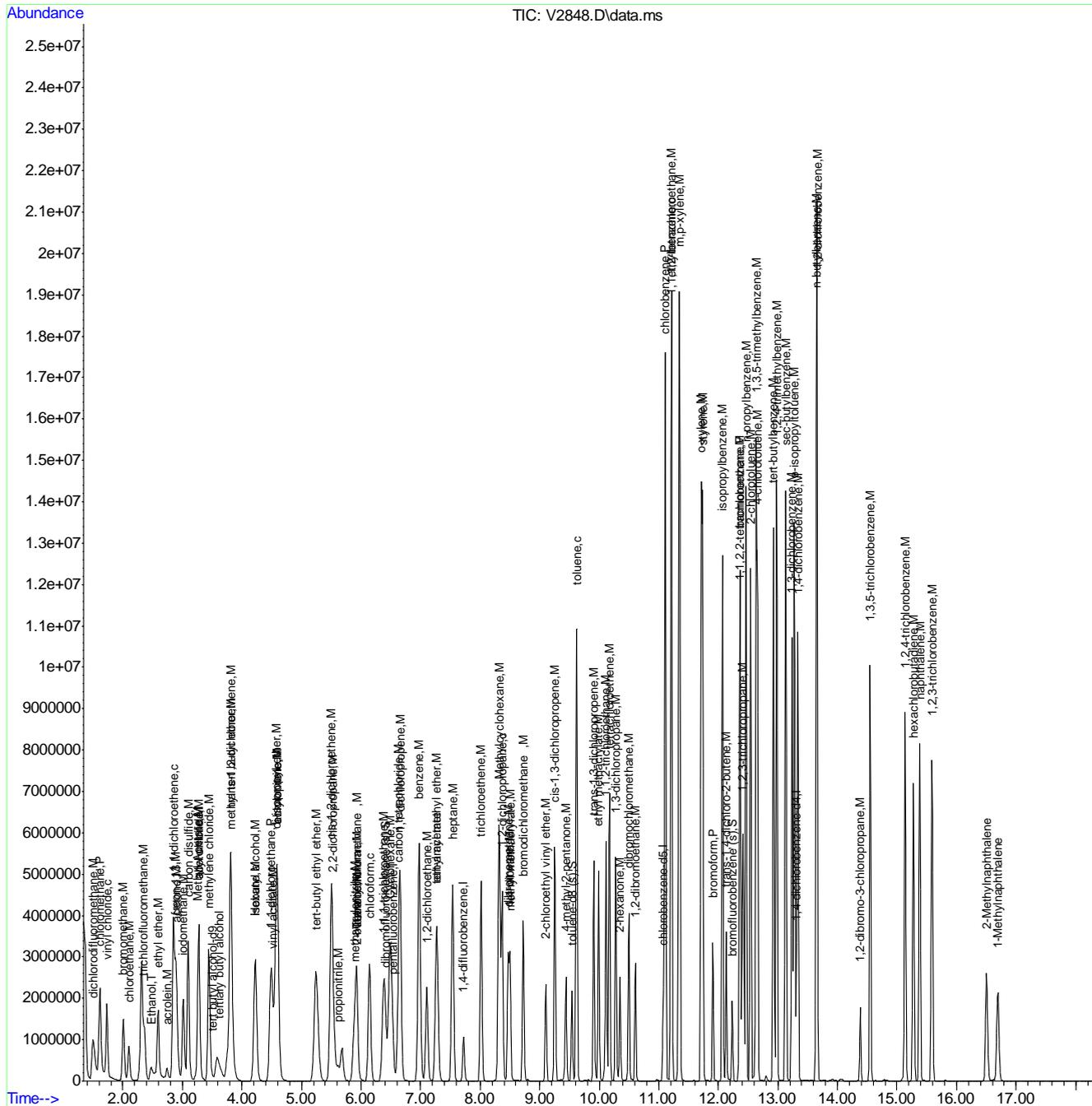
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.237 | 146 | 3773578 | 211.26 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.275 | 119 | 7083960 | 217.24 | ug/L | 97 |
| 95) 1,4-dichlorobenzene | 13.334 | 146 | 3781056 | 211.54 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.656 | 146 | 3461071 | 219.40 | ug/L | 97 |
| 97) n-butylbenzene | 13.649 | 91 | 7297025 | 222.97 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.382 | 75 | 424506 | 215.13 | ug/L | 87 |
| 99) 1,3,5-trichlorobenzene | 14.550 | 180 | 3077362 | 214.57 | ug/L | 94 |
| 100) 1,2,4-trichlorobenzene | 15.136 | 180 | 2831426 | 218.99 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.276 | 225 | 1675259 | 212.33 | ug/L | 99 |
| 102) naphthalene | 15.382 | 128 | 6635116 | 229.71 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.588 | 180 | 2722101 | 221.69 | ug/L | 94 |
| 104) 2-Methylnaphthalene | 16.504 | 142 | 1939499 | 113.21 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.694 | 142 | 1663465 | 115.91 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : V2848.D
Acq On : 24 Oct 2011 3:57 pm
Operator : AMYM
Sample : ic126-200
Misc : MS24207,MSV126,5,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 24 17:19:23 2011
Quant Method : C:\msdchem\1\METHODS\v102411s.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 24 17:03:12 2011
Response via : Initial Calibration

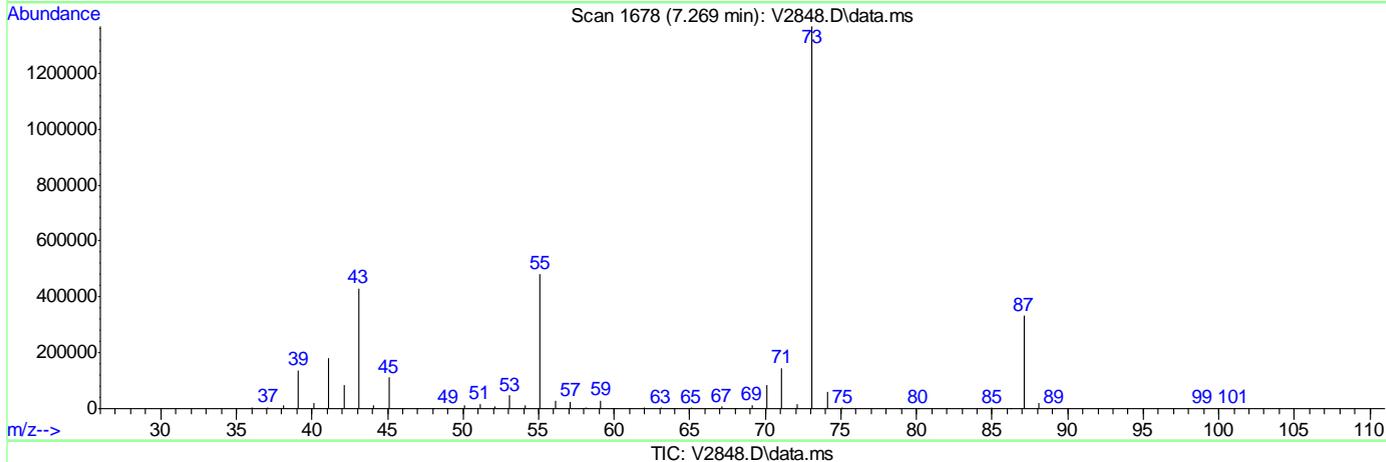
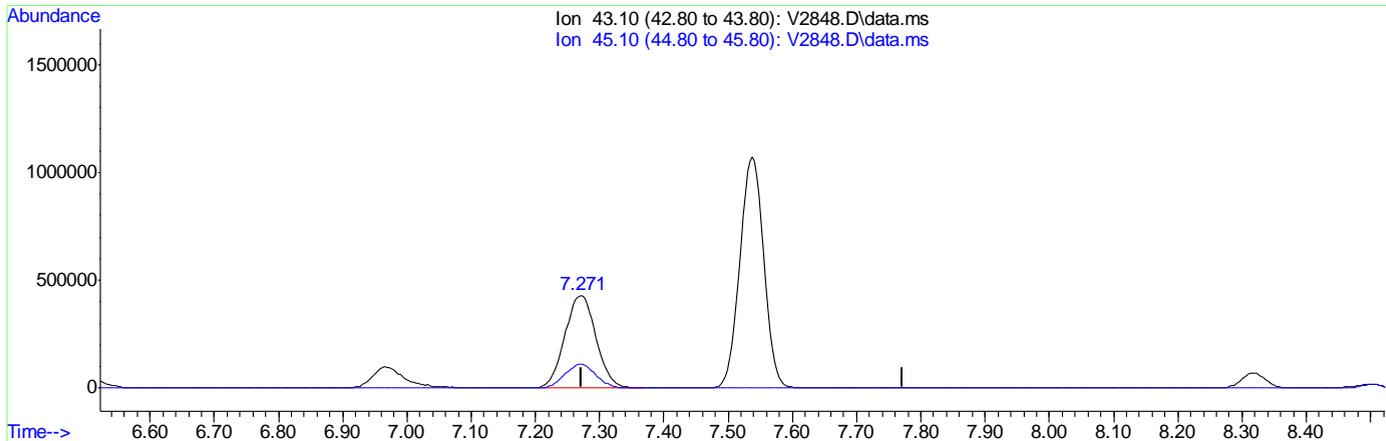


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2848.D
 Acq On : 24 Oct 2011 3:57 pm
 Operator : AMYM
 Sample : ic126-200
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 24 17:03:49 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.31.1
 6



(37) ethyl acetate
 7.269min (-0.004) 209.40ug/L m
 response 1438172

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Dana Tyron
10/26/11 13:49

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:20:41 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.517 | 65 | 231493 | 500.00 | ug/L | # 0.00 |
| 4) pentafluorobenzene | 6.536 | 168 | 668965 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.724 | 114 | 1024602 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.077 | 82 | 605279 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.312 | 152 | 498125 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.415 | 113 | 349028 | 50.04 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.08% |
| 60) toluene-d8 (s) | 9.544 | 98 | 1407275 | 50.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 100.00% |
| 82) bromofluorobenzene (s) | 12.235 | 95 | 555561 | 49.99 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.98% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.620 | 59 | 2705084 | 3994.53 | ug/L | 85 |
| 3) Ethanol | 2.485 | 45 | 945625 | 41163.66 | ug/L | 84 |
| 5) dichlorodifluoromethane | 1.510 | 85 | 4266254 | 400.00 | ug/L | 99 |
| 6) chloromethane | 1.625 | 50 | 3816561 | 400.00 | ug/L | 99 |
| 7) vinyl chloride | 1.738 | 62 | 4448544 | 400.00 | ug/L | 96 |
| 8) bromomethane | 2.013 | 96 | 2363683 | 400.00 | ug/L | 96 |
| 9) chloroethane | 2.105 | 64 | 1984787 | 400.00 | ug/L | 99 |
| 10) ethyl ether | 2.594 | 59 | 2282743 | 400.07 | ug/L | 96 |
| 11) acetonitrile | 3.277 | 41 | 5427600 | 399.99 | ug/L | 98 |
| 12) trichlorofluoromethane | 2.345 | 101 | 4834101 | 400.00 | ug/L | 96 |
| 13) freon-113 | 2.891 | 101 | 3432881 | 400.24 | ug/L | 96 |
| 14) acrolein | 2.748 | 56 | 604314 | 2000.00 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.851 | 96 | 3133393 | 399.91 | ug/L | 92 |
| 16) acetone | 2.903 | 43 | 1477693 | 395.99 | ug/L | 98 |
| 17) Methyl Acetate | 3.265 | 43 | 3234955 | 399.45 | ug/L | 93 |
| 18) methylene chloride | 3.447 | 84 | 3693366 | 400.00 | ug/L | 88 |
| 19) methyl tert butyl ether | 3.820 | 73 | 8973373 | 400.05 | ug/L | 98 |
| 20) acrylonitrile | 4.597 | 53 | 5636314 | 2001.90 | ug/L | 100 |
| 21) allyl chloride | 3.277 | 41 | 5427794 | 400.01 | ug/L | 92 |
| 22) trans-1,2-dichloroethene | 3.813 | 96 | 3509768 | 399.72 | ug/L | 93 |
| 23) iodomethane | 3.018 | 142 | 5556904 | 399.97 | ug/L | 95 |
| 24) carbon disulfide | 3.100 | 76 | 11987922 | 399.96 | ug/L | 100 |
| 25) propionitrile | 5.631 | 54 | 462391 | 400.00 | ug/L | 100 |
| 26) vinyl acetate | 4.515 | 43 | 6878010 | 387.43 | ug/L | 95 |
| 27) chloroprene | 4.597 | 53 | 5636314 | 400.38 | ug/L | 88 |
| 28) di-isopropyl ether | 4.583 | 45 | 11065053 | 400.00 | ug/L | 97 |
| 29) methacrylonitrile | 5.897 | 41 | 2166200 | 400.37 | ug/L | 96 |
| 30) 2-butanone | 5.937 | 72 | 349549 | 400.00 | ug/L | 85 |
| 31) Hexane | 4.225 | 41 | 3573529 | 400.29 | ug/L | 93 |
| 32) 1,1-dichloroethane | 4.484 | 63 | 6770790 | 400.00 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 5.252 | 59 | 10594255 | 399.98 | ug/L | 94 |
| 34) isobutyl alcohol | 4.225 | 43 | 3025109 | 2000.00 | ug/L | 97 |
| 35) 2,2-dichloropropane | 5.525 | 77 | 5267692 | 399.95 | ug/L | 97 |
| 36) cis-1,2-dichloroethene | 5.505 | 96 | 3922203 | 399.91 | ug/L | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:20:41 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 37) ethyl acetate | 7.273 | 43 | 2773828m | 399.79 | ug/L | |
| 38) bromochloromethane | 5.927 | 128 | 1686625 | 400.41 | ug/L # | 80 |
| 39) chloroform | 6.144 | 83 | 7018866 | 400.00 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.933 | 42 | 814296 | 400.00 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.388 | 97 | 6177194 | 400.00 | ug/L | 98 |
| 44) Cyclohexane | 6.494 | 56 | 6535412 | 400.00 | ug/L | 94 |
| 45) carbon tetrachloride | 6.640 | 117 | 5145453 | 400.00 | ug/L | 99 |
| 46) 1,1-dichloropropene | 6.659 | 75 | 5108241 | 400.00 | ug/L | 97 |
| 47) benzene | 6.979 | 78 | 14383152 | 400.00 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.107 | 62 | 5031677 | 399.97 | ug/L | 97 |
| 49) tert-amyl methyl ether | 7.273 | 73 | 8814946 | 400.20 | ug/L | 95 |
| 50) heptane | 7.539 | 43 | 5129376 | 400.00 | ug/L | 95 |
| 51) trichloroethene | 8.017 | 95 | 3914837 | 400.00 | ug/L | 87 |
| 52) 1,2-dichloropropane | 8.370 | 63 | 3860782 | 399.91 | ug/L | 99 |
| 53) dibromomethane | 8.472 | 93 | 2194696 | 400.12 | ug/L | 95 |
| 54) bromodichloromethane | 8.725 | 83 | 5286022 | 400.00 | ug/L | 99 |
| 55) Methylcyclohexane | 8.321 | 83 | 6461263 | 400.00 | ug/L | 92 |
| 56) 2-chloroethyl vinyl ether | 9.103 | 63 | 1958721 | 400.08 | ug/L | 97 |
| 57) methyl methacrylate | 8.504 | 69 | 2136734 | 400.07 | ug/L | 87 |
| 58) 1,4-dioxane | 8.521 | 88 | 179644m | 1998.20 | ug/L | |
| 59) cis-1,3-dichloropropene | 9.255 | 75 | 6259682 | 399.99 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.440 | 43 | 3049210 | 400.00 | ug/L | 97 |
| 62) toluene | 9.620 | 92 | 8842713 | 400.00 | ug/L | 93 |
| 63) trans-1,3-dichloropropene | 9.909 | 75 | 5293217 | 400.00 | ug/L | 96 |
| 64) 1,1,2-trichloroethane | 10.116 | 83 | 2666695 | 400.00 | ug/L | 99 |
| 65) ethyl methacrylate | 9.992 | 69 | 4528405 | 400.30 | ug/L | 92 |
| 67) tetrachloroethene | 10.173 | 166 | 3767756 | 399.67 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.278 | 76 | 5413839 | 399.68 | ug/L | 100 |
| 69) dibromochloromethane | 10.498 | 129 | 3599387 | 399.67 | ug/L | 98 |
| 70) 1,2-dibromoethane | 10.607 | 107 | 3239834 | 399.67 | ug/L | 99 |
| 71) 2-hexanone | 10.351 | 43 | 2497825 | 399.67 | ug/L | 99 |
| 72) chlorobenzene | 11.107 | 112 | 8716707 | 399.64 | ug/L | 92 |
| 73) 1,1,1,2-tetrachloroethane | 11.209 | 131 | 3135979 | 399.67 | ug/L | 96 |
| 74) ethylbenzene | 11.215 | 91 | 14597813 | 399.64 | ug/L | 83 |
| 75) m,p-xylene | 11.347 | 106 | 11863991 | 799.33 | ug/L # | 56 |
| 76) o-xylene | 11.715 | 106 | 6142346 | 399.78 | ug/L | 91 |
| 77) styrene | 11.737 | 104 | 10172836 | 399.74 | ug/L | 95 |
| 78) bromoform | 11.908 | 173 | 2478839 | 399.67 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.132 | 53 | 1216393 | 399.19 | ug/L | 96 |
| 81) isopropylbenzene | 12.070 | 105 | 13753629 | 399.88 | ug/L | 91 |
| 83) bromobenzene | 12.360 | 156 | 3879076 | 399.93 | ug/L | 89 |
| 84) 1,1,2,2-tetrachloroethane | 12.369 | 83 | 3942959 | 400.57 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.414 | 75 | 4518669 | 385.19 | ug/L | 89 |
| 86) n-propylbenzene | 12.465 | 91 | 15623426 | 399.94 | ug/L | 73 |
| 87) 2-chlorotoluene | 12.543 | 91 | 11768180 | 402.54 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.655 | 91 | 12937475 | 399.94 | ug/L | 99 |
| 89) 1,3,5-trimethylbenzene | 12.636 | 105 | 12954661 | 400.08 | ug/L | 91 |
| 90) tert-butylbenzene | 12.925 | 91 | 8135173 | 399.23 | ug/L | 93 |
| 91) 1,2,4-trimethylbenzene | 12.981 | 105 | 13108640 | 400.00 | ug/L | 89 |
| 92) sec-butylbenzene | 13.132 | 105 | 15251240 | 399.80 | ug/L | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:20:41 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

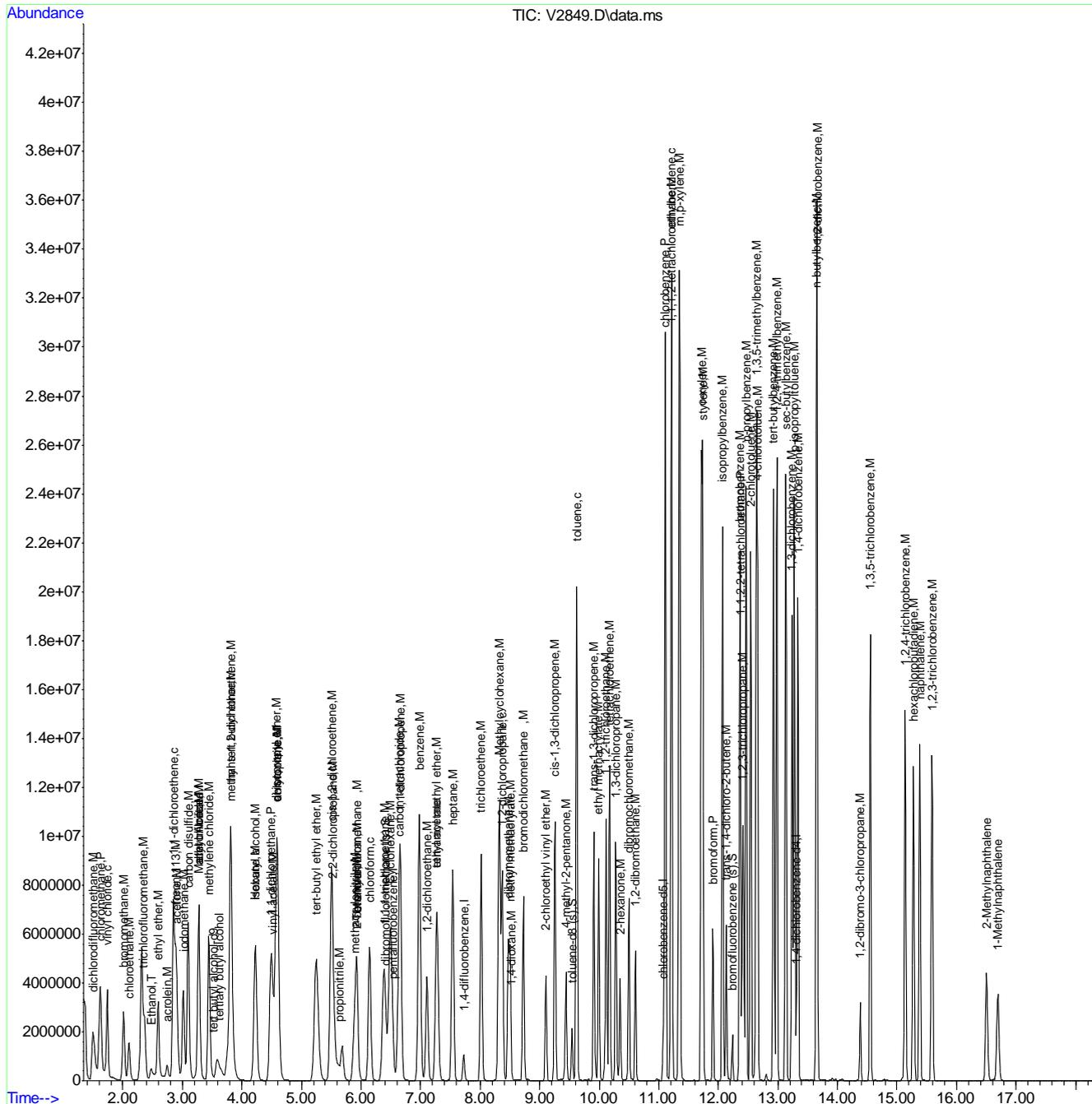
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.238 | 146 | 6930091 | 399.92 | ug/L | 98 |
| 94) p-isopropyltoluene | 13.276 | 119 | 12652948 | 399.96 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.335 | 146 | 6932749 | 399.81 | ug/L | 96 |
| 96) 1,2-dichlorobenzene | 13.657 | 146 | 6121297 | 399.98 | ug/L | 97 |
| 97) n-butylbenzene | 13.649 | 91 | 12698386 | 399.96 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 14.382 | 75 | 765590 | 399.93 | ug/L | 89 |
| 99) 1,3,5-trichlorobenzene | 14.551 | 180 | 5563603 | 399.86 | ug/L | 95 |
| 100) 1,2,4-trichlorobenzene | 15.137 | 180 | 5017115 | 399.99 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.277 | 225 | 3061216 | 399.93 | ug/L | 99 |
| 102) naphthalene | 15.382 | 128 | 11206519 | 399.93 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.588 | 180 | 4764010 | 399.93 | ug/L | 93 |
| 104) 2-Methylnaphthalene | 16.504 | 142 | 3323281 | 199.96 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.694 | 142 | 2784011 | 199.97 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

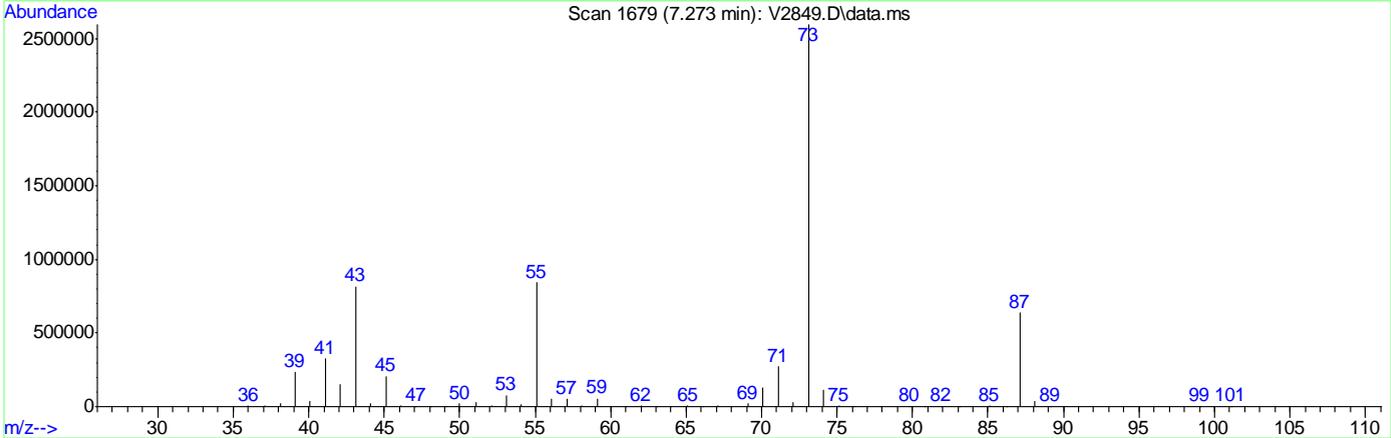
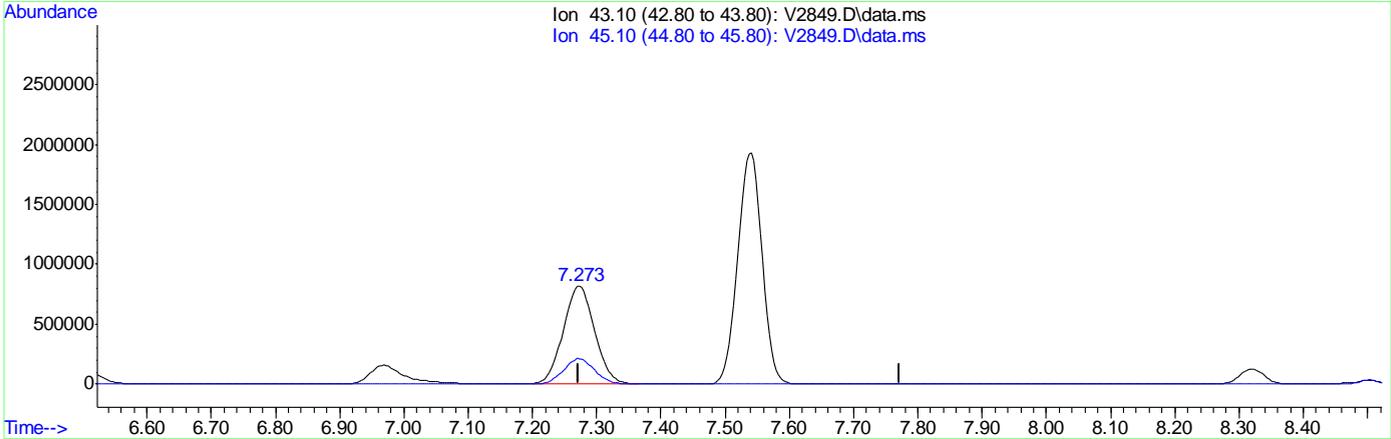
Quant Time: Oct 24 17:20:41 2011
 Quant Method : C:\msdchem\1\METHODS\vl02411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:03:51 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration



(37) ethyl acetate
 7.273min (0.000) 399.79ug/L m
 response 2773828

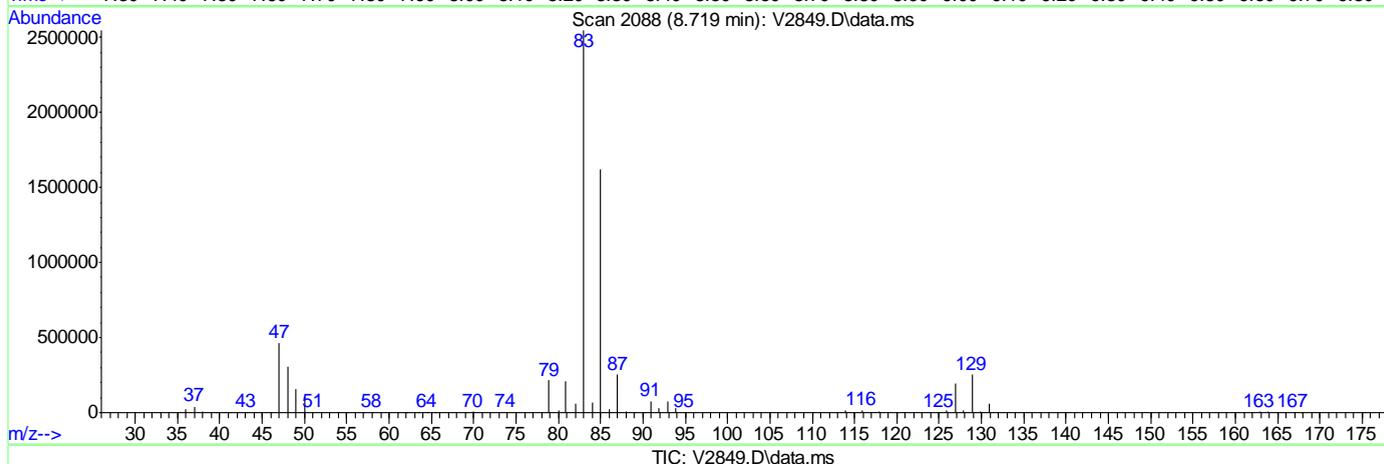
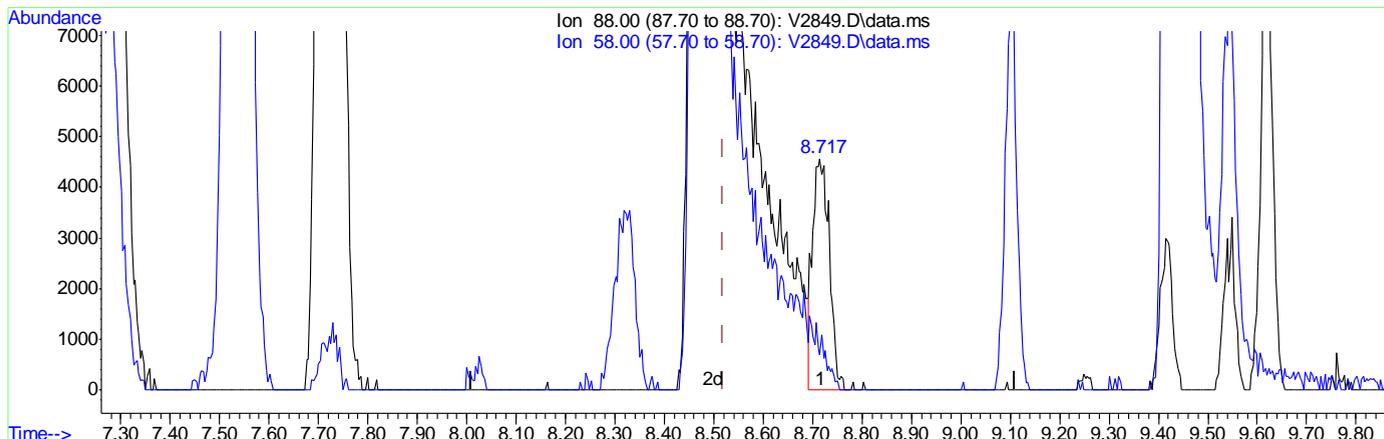
| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:03:51 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.32.2
 6



(58) 1,4-dioxane (M)
 8.717min (+0.197) 121.39ug/L
 response 10913

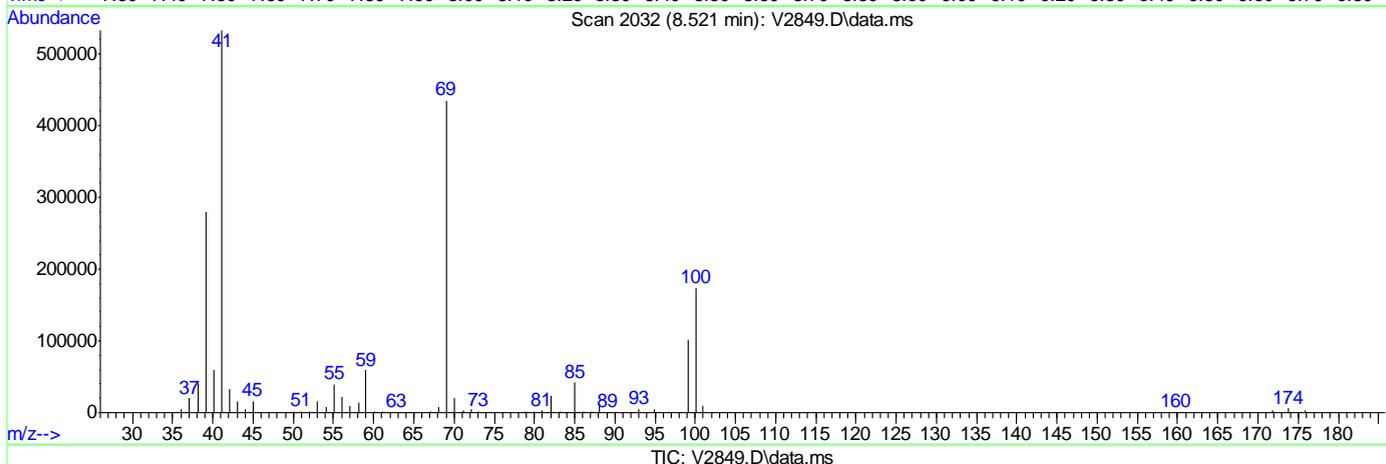
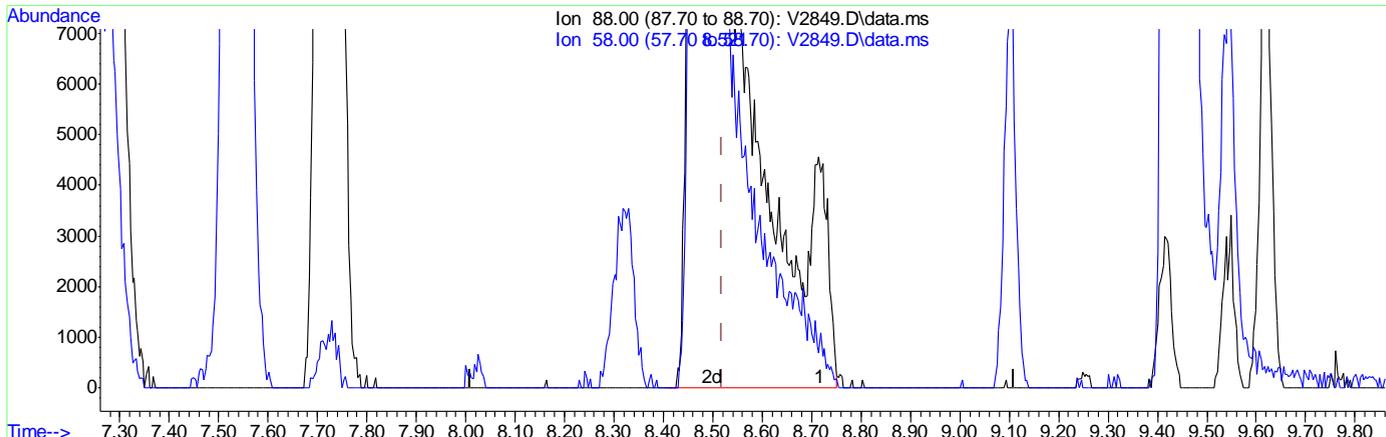
| Ion | Exp% | Act% |
|-------|-------|-------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 25.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2849.D
 Acq On : 24 Oct 2011 4:27 pm
 Operator : AMYM
 Sample : ic126-400
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 24 17:03:51 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:03:12 2011
 Response via : Initial Calibration

6.6.32.3
 6



(58) 1,4-dioxane (M)
 8.521min (0.000) 1998.20ug/L m
 response 179644

| Ion | Exp% | Act% |
|-------|-------|---------|
| 88.00 | 100 | 100 |
| 58.00 | 53.70 | 112.44# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:28:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.497 | 65 | 374511 | 500.00 | ug/L | -0.02 | |
| 4) pentafluorobenzene | 6.530 | 168 | 683899 | 50.00 | ug/L | 0.00 | |
| 43) 1,4-difluorobenzene | 7.720 | 114 | 1028413 | 50.00 | ug/L | 0.00 | |
| 66) chlorobenzene-d5 | 11.076 | 82 | 614359 | 50.00 | ug/L | 0.00 | |
| 80) 1,4-dichlorobenzene-d4 | 13.311 | 152 | 541519 | 50.00 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.409 | 113 | 363839 | 51.20 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 102.40% | |
| 60) toluene-d8 (s) | 9.541 | 98 | 1426873 | 50.59 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 101.18% | |
| 82) bromofluorobenzene (s) | 12.234 | 95 | 579363 | 49.62 | ug/L | 0.00 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 99.24% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.603 | 59 | 518312 | 514.98 | ug/L | | 93 |
| 3) Ethanol | 2.485 | 45 | 221344 | 4240.99 | ug/L | | 81 |
| 5) dichlorodifluoromethane | 1.503 | 85 | 548269 | 55.36 | ug/L | | 98 |
| 6) chloromethane | 1.603 | 50 | 447554 | 47.80 | ug/L | | 98 |
| 7) vinyl chloride | 1.713 | 62 | 443448 | 42.50 | ug/L | | 97 |
| 8) bromomethane | 1.998 | 96 | 299530 | 52.76 | ug/L | | 97 |
| 9) chloroethane | 2.095 | 64 | 255250 | 51.65 | ug/L | | 98 |
| 10) ethyl ether | 2.588 | 59 | 313277 | 54.06 | ug/L | | 96 |
| 11) acetonitrile | 3.269 | 41 | 665361 | 52.79 | ug/L | | 98 |
| 12) trichlorofluoromethane | 2.334 | 101 | 596464m | 50.88 | ug/L | | |
| 13) freon-113 | 2.882 | 101 | 459355 | 54.23 | ug/L | | 95 |
| 14) acrolein | 2.739 | 56 | 221897 | 757.48 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.844 | 96 | 420232 | 56.49 | ug/L | | 94 |
| 16) acetone | 2.889 | 43 | 158617m | 29.60 | ug/L | | |
| 17) Methyl Acetate | 3.258 | 43 | 658759 | 73.80 | ug/L | | 92 |
| 18) methylene chloride | 3.440 | 84 | 510098 | 51.90 | ug/L | | 84 |
| 19) methyl tert butyl ether | 3.812 | 73 | 1247210 | 61.12 | ug/L | | 98 |
| 20) acrylonitrile | 4.588 | 53 | 744419 | 278.02 | ug/L | | 99 |
| 21) allyl chloride | 3.269 | 41 | 665361 | 54.38 | ug/L | | 88 |
| 22) trans-1,2-dichloroethene | 3.806 | 96 | 451032 | 52.90 | ug/L | | 88 |
| 23) iodomethane | 3.011 | 142 | 678745 | 52.02 | ug/L | | 97 |
| 24) carbon disulfide | 3.093 | 76 | 1362073 | 47.81 | ug/L | | 100 |
| 25) propionitrile | 5.619 | 54 | 74544 | 64.48 | ug/L | | 100 |
| 26) vinyl acetate | 4.506 | 43 | 782049 | 43.92 | ug/L | | 95 |
| 27) chloroprene | 4.588 | 53 | 744419 | 55.60 | ug/L | | 88 |
| 28) di-isopropyl ether | 4.572 | 45 | 1416947 | 52.07 | ug/L | | 96 |
| 29) methacrylonitrile | 5.890 | 41 | 358964 | 69.06 | ug/L | | 90 |
| 30) 2-butanone | 5.930 | 72 | 60727 | 71.31 | ug/L | | 84 |
| 31) Hexane | 4.218 | 41 | 479494 | 53.68 | ug/L | | 92 |
| 32) 1,1-dichloroethane | 4.477 | 63 | 843300 | 52.13 | ug/L | | 97 |
| 33) tert-butyl ethyl ether | 5.242 | 59 | 1284697 | 50.28 | ug/L | | 94 |
| 34) isobutyl alcohol | 4.217 | 43 | 409385 | 272.59 | ug/L | | 99 |
| 35) 2,2-dichloropropane | 5.514 | 77 | 586708 | 48.66 | ug/L | | 97 |
| 36) cis-1,2-dichloroethene | 5.498 | 96 | 492006 | 51.78 | ug/L | | 90 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:28:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 38) bromochloromethane | 5.920 | 128 | 223964 | 54.39 | ug/L # | 82 |
| 39) chloroform | 6.138 | 83 | 859891 | 51.39 | ug/L | 97 |
| 41) Tetrahydrofuran | 5.926 | 42 | 148160 | 71.11 | ug/L | 85 |
| 42) 1,1,1-trichloroethane | 6.381 | 97 | 718132 | 48.18 | ug/L | 98 |
| 44) Cyclohexane | 6.486 | 56 | 843233 | 49.55 | ug/L | 90 |
| 45) carbon tetrachloride | 6.634 | 117 | 609522 | 53.54 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.652 | 75 | 662198 | 52.64 | ug/L | 97 |
| 47) benzene | 6.972 | 78 | 1796421 | 51.21 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.101 | 62 | 696813 | 54.97 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.267 | 73 | 1071362 | 50.84 | ug/L | 93 |
| 50) heptane | 7.534 | 43 | 718665 | 55.61 | ug/L | 91 |
| 51) trichloroethene | 8.013 | 95 | 485792 | 52.43 | ug/L | 90 |
| 52) 1,2-dichloropropane | 8.365 | 63 | 491448 | 52.47 | ug/L | 99 |
| 53) dibromomethane | 8.469 | 93 | 309086 | 58.65 | ug/L | 96 |
| 54) bromodichloromethane | 8.722 | 83 | 626280 | 49.54 | ug/L | 99 |
| 55) Methylcyclohexane | 8.317 | 83 | 813867 | 53.71 | ug/L | 88 |
| 57) methyl methacrylate | 8.501 | 69 | 357575 | 71.87 | ug/L | 84 |
| 58) 1,4-dioxane | 8.484 | 88 | 28022 | 322.85 | ug/L | 67 |
| 59) cis-1,3-dichloropropene | 9.253 | 75 | 736475 | 49.42 | ug/L | 98 |
| 61) 4-methyl-2-pentanone | 9.439 | 43 | 558635 | 70.11 | ug/L | 96 |
| 62) toluene | 9.617 | 92 | 1133703 | 50.93 | ug/L | 99 |
| 63) trans-1,3-dichloropropene | 9.908 | 75 | 705168 | 56.08 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.113 | 83 | 384459 | 57.90 | ug/L | 100 |
| 65) ethyl methacrylate | 9.990 | 69 | 664769 | 58.15 | ug/L | 89 |
| 67) tetrachloroethene | 10.171 | 166 | 501739 | 51.34 | ug/L | 99 |
| 68) 1,3-dichloropropane | 10.277 | 76 | 789556 | 57.44 | ug/L | 100 |
| 69) dibromochloromethane | 10.496 | 129 | 464789 | 53.36 | ug/L | 96 |
| 70) 1,2-dibromoethane | 10.606 | 107 | 481718 | 62.79 | ug/L | 97 |
| 71) 2-hexanone | 10.351 | 43 | 415615 | 54.34 | ug/L | 98 |
| 72) chlorobenzene | 11.105 | 112 | 1210804 | 50.43 | ug/L | 92 |
| 73) 1,1,1,2-tetrachloroethane | 11.206 | 131 | 422411 | 54.63 | ug/L | 98 |
| 74) ethylbenzene | 11.212 | 91 | 2220474 | 52.19 | ug/L | 99 |
| 75) m,p-xylene | 11.344 | 106 | 1643411 | 102.44 | ug/L | 99 |
| 76) o-xylene | 11.713 | 106 | 805512 | 52.19 | ug/L | 95 |
| 77) styrene | 11.734 | 104 | 1397423 | 54.57 | ug/L | 96 |
| 78) bromoform | 11.908 | 173 | 311570 | 53.91 | ug/L | 99 |
| 79) trans-1,4-dichloro-2-b... | 12.131 | 53 | 219465 | 69.44 | ug/L | 92 |
| 81) isopropylbenzene | 12.069 | 105 | 2178216 | 61.11 | ug/L | 99 |
| 83) bromobenzene | 12.359 | 156 | 543230 | 51.84 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.367 | 83 | 679291 | 65.17 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.413 | 75 | 749997 | 60.73 | ug/L | 86 |
| 86) n-propylbenzene | 12.462 | 91 | 2614877 | 53.10 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.540 | 91 | 1568185 | 49.96 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.653 | 91 | 1842731 | 51.49 | ug/L | 95 |
| 89) 1,3,5-trimethylbenzene | 12.634 | 105 | 1813224 | 50.98 | ug/L | 100 |
| 90) tert-butylbenzene | 12.924 | 91 | 1089667 | 52.41 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.979 | 105 | 1832621 | 51.29 | ug/L | 99 |
| 92) sec-butylbenzene | 13.130 | 105 | 2396888 | 53.37 | ug/L | 97 |
| 93) 1,3-dichlorobenzene | 13.236 | 146 | 973677 | 51.20 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.275 | 119 | 1864147 | 54.48 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:28:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 95) 1,4-dichlorobenzene | 13.334 | 146 | 984368 | 50.08 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.656 | 146 | 944470 | 52.82 | ug/L | 98 |
| 97) n-butylbenzene | 13.648 | 91 | 1951966 | 54.79 | ug/L | 98 |
| 98) 1,2-dibromo-3-chloropr... | 14.383 | 75 | 123234 | 63.89 | ug/L | 84 |
| 99) 1,3,5-trichlorobenzene | 14.551 | 180 | 738552 | 48.40 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 15.137 | 180 | 757346 | 56.35 | ug/L | 96 |
| 101) hexachlorobutadiene | 15.278 | 225 | 434856 | 52.24 | ug/L | 99 |
| 102) naphthalene | 15.383 | 128 | 2013984 | 68.86 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.589 | 180 | 738331 | 56.21 | ug/L | 96 |
| 104) 2-Methylnaphthalene | 16.509 | 142 | 1204312 | 65.07 | ug/L | 100 |
| 105) 1-Methylnaphthalene | 16.699 | 142 | 14359 | 0.02 | ug/L | 95 |

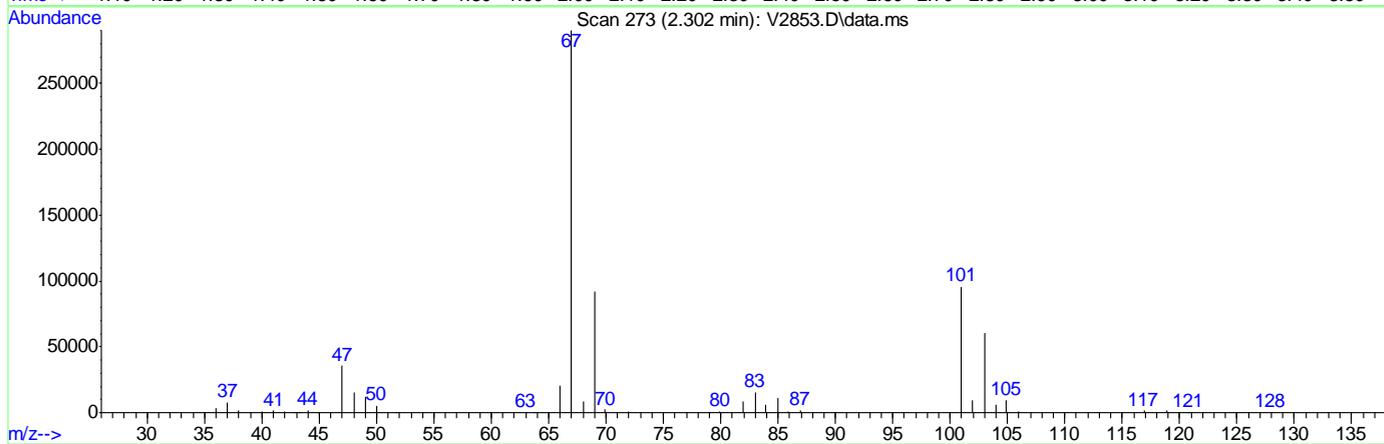
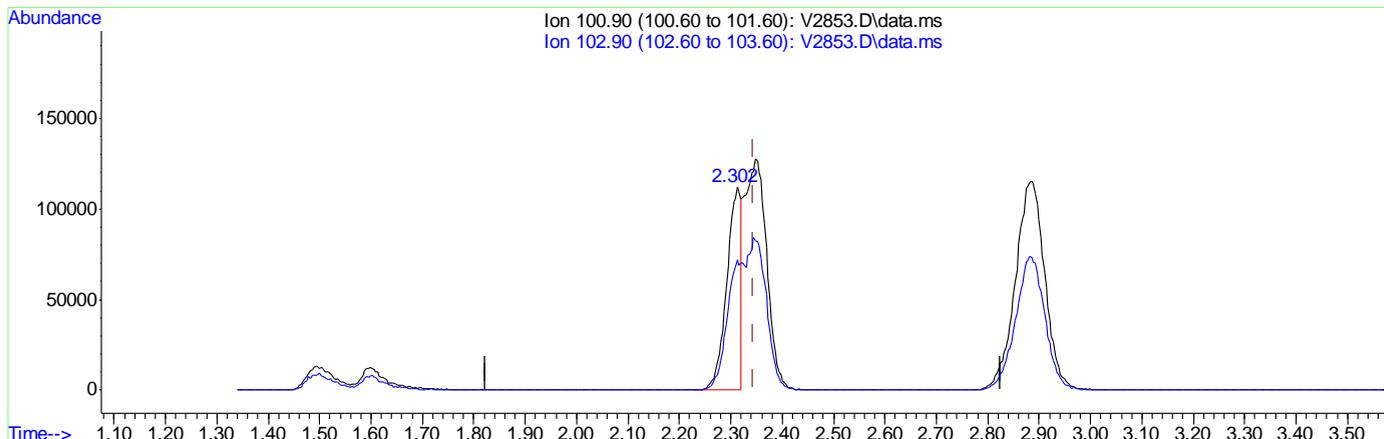
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:25:37 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

6.6.33.1
 6



(12) trichlorofluoromethane (M)

2.302min (-0.043) 18.24ug/L

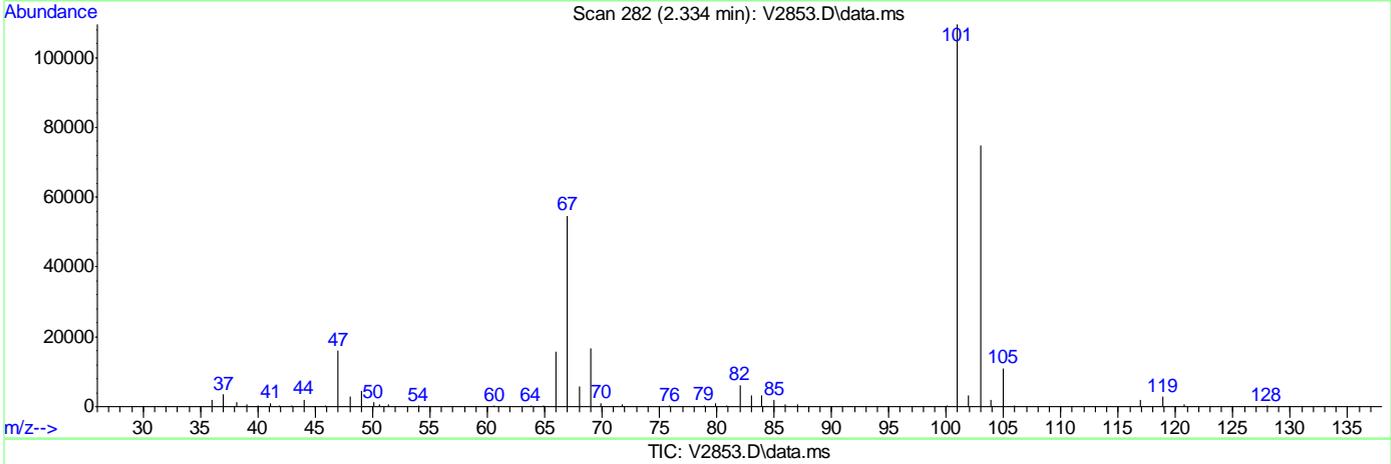
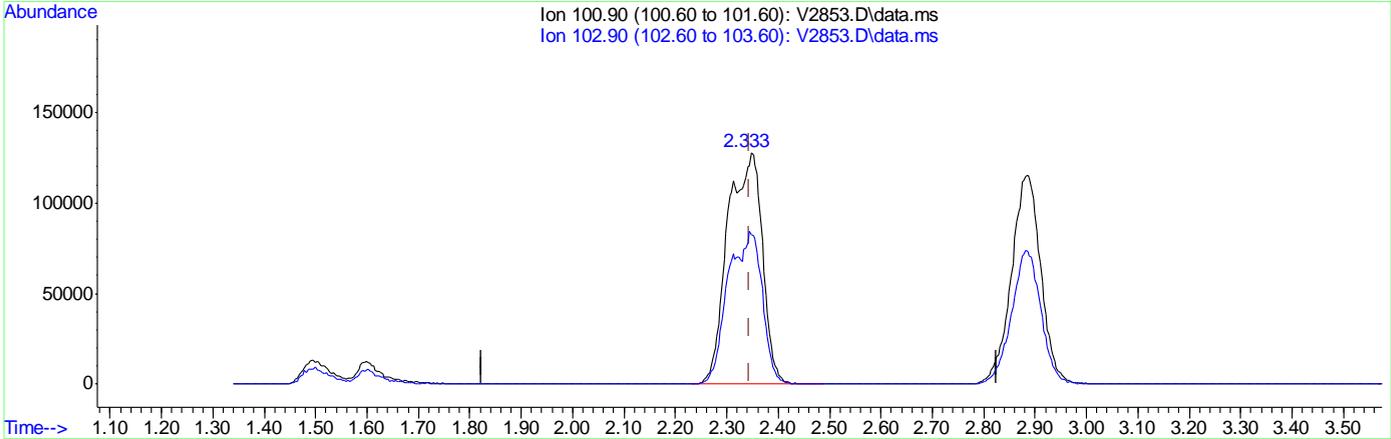
response 213829

| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 63.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:25:37 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration



(12) trichlorofluoromethane (M)

2.334min (-0.011) 50.88ug/L m

response 596464

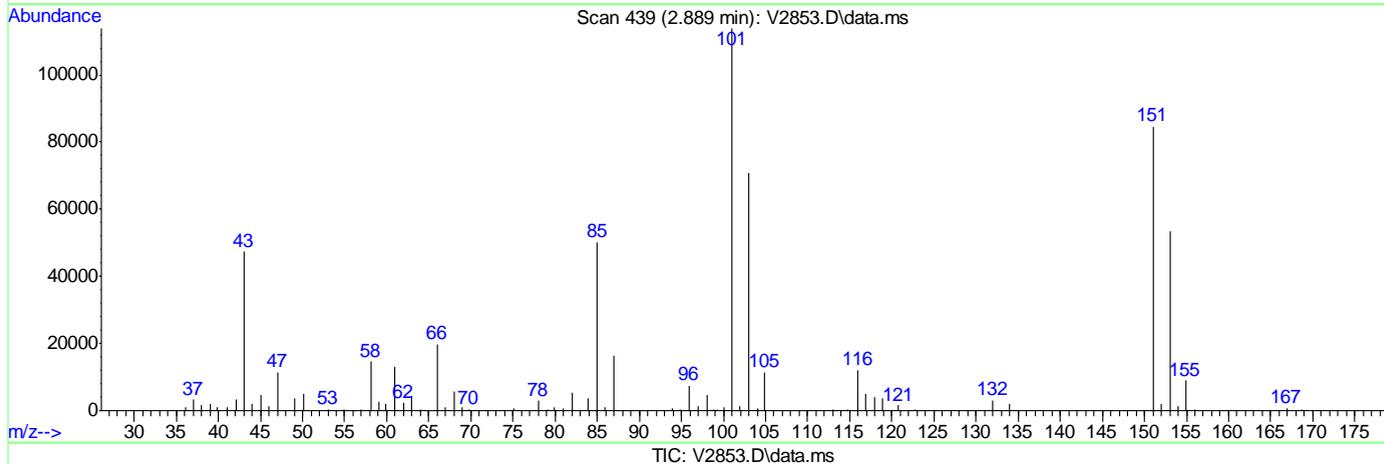
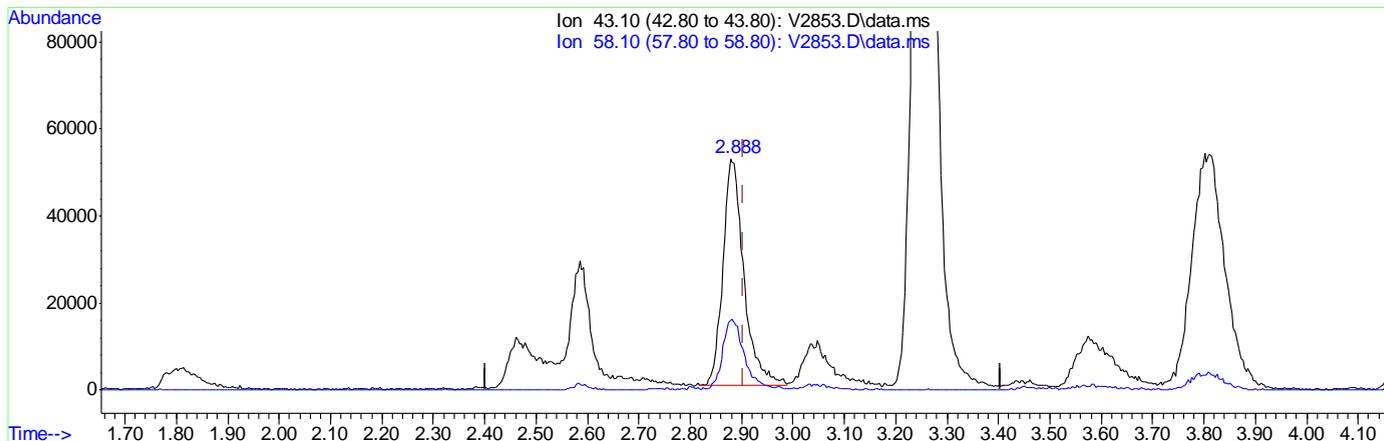
| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 68.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:25:37 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

6.6.33.3
 6



(16) acetone (M)
 2.888min (-0.016) 27.86ug/L
 response 147327

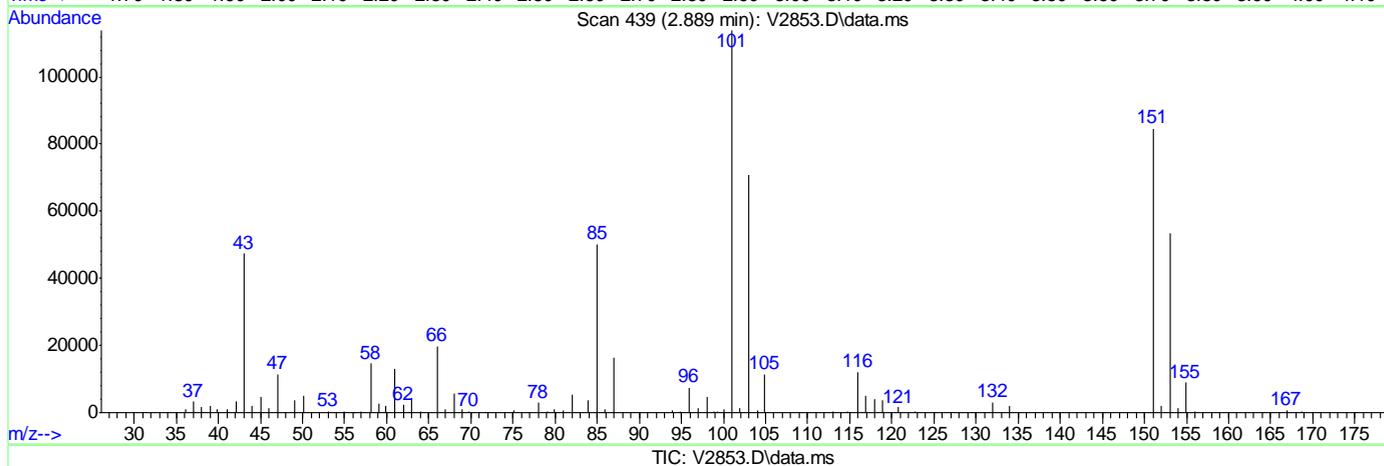
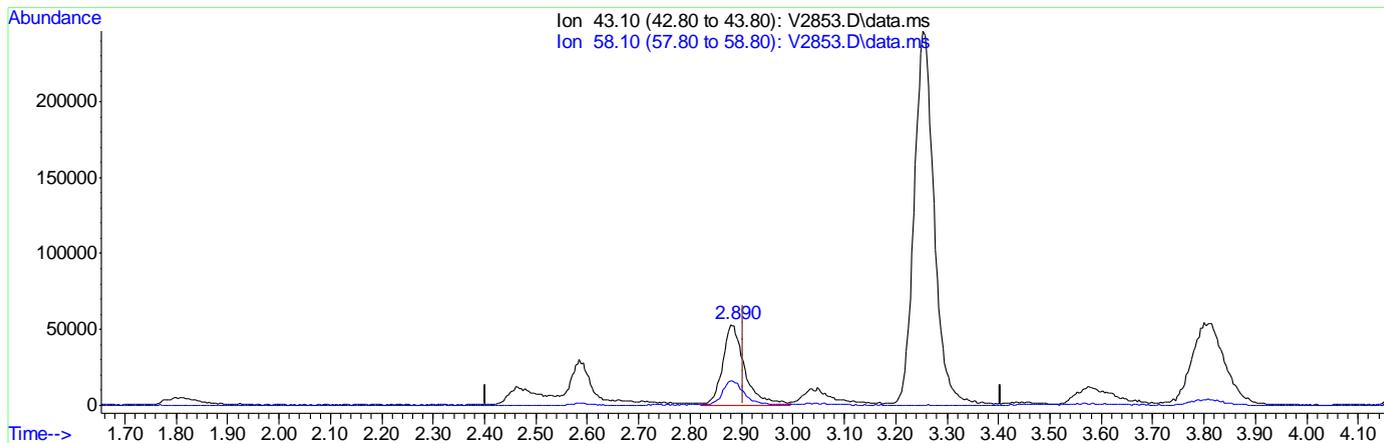
| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 34.30 | 31.09 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V2853.D
 Acq On : 24 Oct 2011 6:28 pm
 Operator : AMYM
 Sample : icv126-50
 Misc : MS24207,MSV126,5,,,5,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 25 12:25:37 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:21:10 2011
 Response via : Initial Calibration

6.6.33.4
 6



(16) acetone (M)
 2.889min (-0.015) 29.60ug/L m
 response 158617

| Ion | Exp% | Act% |
|-------|-------|-------|
| 43.10 | 100 | 100 |
| 58.10 | 34.30 | 30.94 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:07:55 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards | | | | | | |
| 1) tert butyl alcohol-d9 | 3.506 | 65 | 277776 | 500.00 | ug/L | -0.01 |
| 4) pentafluorobenzene | 6.530 | 168 | 753544 | 50.00 | ug/L | 0.00 |
| 43) 1,4-difluorobenzene | 7.719 | 114 | 1131280 | 50.00 | ug/L | 0.00 |
| 66) chlorobenzene-d5 | 11.073 | 82 | 684626 | 50.00 | ug/L | 0.00 |
| 80) 1,4-dichlorobenzene-d4 | 13.309 | 152 | 616738 | 50.00 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 40) dibromofluoromethane (s) | 6.410 | 113 | 386851 | 49.40 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.80% |
| 60) toluene-d8 (s) | 9.539 | 98 | 1520193 | 49.00 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 98.00% |
| 82) bromofluorobenzene (s) | 12.231 | 95 | 685473 | 51.55 | ug/L | 0.00 |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 103.10% |
| Target Compounds | | | | | | |
| 2) tertiary butyl alcohol | 3.611 | 59 | 390346 | 522.90 | ug/L | 96 |
| 3) Ethanol | 2.491 | 45 | 212243 | 5482.81 | ug/L # | 26 |
| 5) dichlorodifluoromethane | 1.513 | 85 | 361783 | 33.16 | ug/L | 99 |
| 6) chloromethane | 1.612 | 50 | 448205 | 43.44 | ug/L | 97 |
| 7) vinyl chloride | 1.724 | 62 | 523834 | 45.57 | ug/L | 97 |
| 8) bromomethane | 2.005 | 96 | 312514 | 49.96 | ug/L | 94 |
| 9) chloroethane | 2.103 | 64 | 268367 | 49.29 | ug/L | 99 |
| 10) ethyl ether | 2.595 | 59 | 331748 | 51.95 | ug/L | 98 |
| 11) acetonitrile | 3.276 | 41 | 739844 | 53.28 | ug/L | 98 |
| 12) trichlorofluoromethane | 2.344 | 101 | 677696 | 52.46 | ug/L | 97 |
| 13) freon-113 | 2.889 | 101 | 475087 | 50.90 | ug/L | 93 |
| 14) acrolein | 2.749 | 56 | 57257 | 177.39 | ug/L | 100 |
| 15) 1,1-dichloroethene | 2.851 | 96 | 412779 | 50.36 | ug/L | 83 |
| 16) acetone | 2.898 | 43 | 308204 | 48.67 | ug/L | 94 |
| 17) Methyl Acetate | 3.265 | 43 | 509985 | 51.86 | ug/L # | 89 |
| 18) methylene chloride | 3.446 | 84 | 525726 | 48.42 | ug/L # | 80 |
| 19) methyl tert butyl ether | 3.816 | 73 | 1236504 | 55.00 | ug/L | 97 |
| 20) acrylonitrile | 4.592 | 53 | 825990 | 279.98 | ug/L | 98 |
| 21) allyl chloride | 3.276 | 41 | 740071 | 54.90 | ug/L | 88 |
| 22) trans-1,2-dichloroethene | 3.812 | 96 | 483875 | 51.51 | ug/L | 90 |
| 23) iodomethane | 3.018 | 142 | 738688 | 51.38 | ug/L | 99 |
| 24) carbon disulfide | 3.101 | 76 | 1399851 | 44.85 | ug/L | 99 |
| 25) propionitrile | 5.624 | 54 | 69276 | 54.38 | ug/L | 100 |
| 26) vinyl acetate | 4.509 | 43 | 922439 | 47.02 | ug/L | 96 |
| 27) chloroprene | 4.592 | 53 | 825990 | 56.00 | ug/L | 81 |
| 28) di-isopropyl ether | 4.576 | 45 | 1689029 | 56.34 | ug/L | 94 |
| 29) methacrylonitrile | 5.893 | 41 | 334147 | 58.34 | ug/L | 90 |
| 30) 2-butanone | 5.932 | 72 | 51736 | 55.13 | ug/L | 84 |
| 31) Hexane | 4.222 | 41 | 493159 | 50.11 | ug/L # | 86 |
| 32) 1,1-dichloroethane | 4.481 | 63 | 945513 | 53.05 | ug/L | 98 |
| 33) tert-butyl ethyl ether | 5.245 | 59 | 1392802 | 49.53 | ug/L | 93 |
| 34) isobutyl alcohol | 4.222 | 43 | 410069 | 247.81 | ug/L | 96 |
| 35) 2,2-dichloropropane | 5.516 | 77 | 645409 | 48.59 | ug/L | 98 |
| 36) cis-1,2-dichloroethene | 5.500 | 96 | 546761 | 52.23 | ug/L | 86 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : cc126-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:07:55 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) ethyl acetate | 7.266 | 43 | 374949m | 50.55 | ug/L | |
| 38) bromochloromethane | 5.921 | 128 | 239811 | 52.86 | ug/L | # 76 |
| 39) chloroform | 6.139 | 83 | 1007580 | 54.65 | ug/L | 98 |
| 41) Tetrahydrofuran | 5.929 | 42 | 126848 | 55.26 | ug/L | 80 |
| 42) 1,1,1-trichloroethane | 6.381 | 97 | 831820 | 50.49 | ug/L | 96 |
| 44) Cyclohexane | 6.486 | 56 | 896266 | 47.88 | ug/L | 89 |
| 45) carbon tetrachloride | 6.634 | 117 | 724884 | 57.88 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.652 | 75 | 730521 | 52.79 | ug/L | 95 |
| 47) benzene | 6.972 | 78 | 1993608 | 51.67 | ug/L | 99 |
| 48) 1,2-dichloroethane | 7.100 | 62 | 759598 | 54.47 | ug/L | 97 |
| 49) tert-amyl methyl ether | 7.266 | 73 | 1128578 | 48.82 | ug/L | 94 |
| 50) heptane | 7.533 | 43 | 736975 | 51.84 | ug/L | 91 |
| 51) trichloroethene | 8.011 | 95 | 543390 | 53.31 | ug/L | 89 |
| 52) 1,2-dichloropropane | 8.363 | 63 | 546533 | 53.04 | ug/L | 100 |
| 53) dibromomethane | 8.467 | 93 | 316919 | 54.66 | ug/L | 96 |
| 54) bromodichloromethane | 8.720 | 83 | 707081 | 50.76 | ug/L | 98 |
| 55) Methylcyclohexane | 8.315 | 83 | 878320 | 52.69 | ug/L | 91 |
| 56) 2-chloroethyl vinyl ether | 9.099 | 63 | 297004 | 56.09 | ug/L | 96 |
| 57) methyl methacrylate | 8.499 | 69 | 305438 | 55.81 | ug/L | # 78 |
| 58) 1,4-dioxane | 8.479 | 88 | 24023 | 255.54 | ug/L | 79 |
| 59) cis-1,3-dichloropropene | 9.250 | 75 | 798232 | 48.75 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.437 | 43 | 459386 | 52.18 | ug/L | 95 |
| 62) toluene | 9.615 | 92 | 1285178 | 52.49 | ug/L | 97 |
| 63) trans-1,3-dichloropropene | 9.905 | 75 | 656702 | 48.10 | ug/L | 97 |
| 64) 1,1,2-trichloroethane | 10.110 | 83 | 399670 | 54.72 | ug/L | 99 |
| 65) ethyl methacrylate | 9.988 | 69 | 651164 | 51.88 | ug/L | 85 |
| 67) tetrachloroethene | 10.168 | 166 | 563014 | 51.69 | ug/L | 97 |
| 68) 1,3-dichloropropane | 10.274 | 76 | 815406 | 53.23 | ug/L | 99 |
| 69) dibromochloromethane | 10.494 | 129 | 493595 | 51.02 | ug/L | 99 |
| 70) 1,2-dibromoethane | 10.603 | 107 | 464440 | 54.33 | ug/L | 98 |
| 71) 2-hexanone | 10.349 | 43 | 387985 | 46.14 | ug/L | 94 |
| 72) chlorobenzene | 11.103 | 112 | 1393970 | 52.10 | ug/L | 94 |
| 73) 1,1,1,2-tetrachloroethane | 11.204 | 131 | 506006 | 58.72 | ug/L | 96 |
| 74) ethylbenzene | 11.209 | 91 | 2550548 | 53.80 | ug/L | 100 |
| 75) m,p-xylene | 11.341 | 106 | 1886451 | 105.52 | ug/L | 98 |
| 76) o-xylene | 11.711 | 106 | 934340 | 54.32 | ug/L | 96 |
| 77) styrene | 11.732 | 104 | 1571426 | 55.07 | ug/L | 96 |
| 78) bromoform | 11.905 | 173 | 314564 | 49.39 | ug/L | 98 |
| 79) trans-1,4-dichloro-2-b... | 12.129 | 53 | 178288 | 50.70 | ug/L | 89 |
| 81) isopropylbenzene | 12.067 | 105 | 2203267 | 54.28 | ug/L | 99 |
| 83) bromobenzene | 12.357 | 156 | 620521 | 52.00 | ug/L | 90 |
| 84) 1,1,2,2-tetrachloroethane | 12.365 | 83 | 633975 | 53.41 | ug/L | 99 |
| 85) 1,2,3-trichloropropane | 12.411 | 75 | 667281 | 47.71 | ug/L | 84 |
| 86) n-propylbenzene | 12.460 | 91 | 3014878 | 53.75 | ug/L | 100 |
| 87) 2-chlorotoluene | 12.537 | 91 | 1851758 | 51.80 | ug/L | 97 |
| 88) 4-chlorotoluene | 12.651 | 91 | 2114737 | 51.89 | ug/L | 96 |
| 89) 1,3,5-trimethylbenzene | 12.632 | 105 | 2178624 | 53.78 | ug/L | 100 |
| 90) tert-butylbenzene | 12.921 | 91 | 1295373 | 54.71 | ug/L | 96 |
| 91) 1,2,4-trimethylbenzene | 12.977 | 105 | 2173444 | 53.41 | ug/L | 99 |
| 92) sec-butylbenzene | 13.128 | 105 | 2793263 | 54.61 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : cc126-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:07:55 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

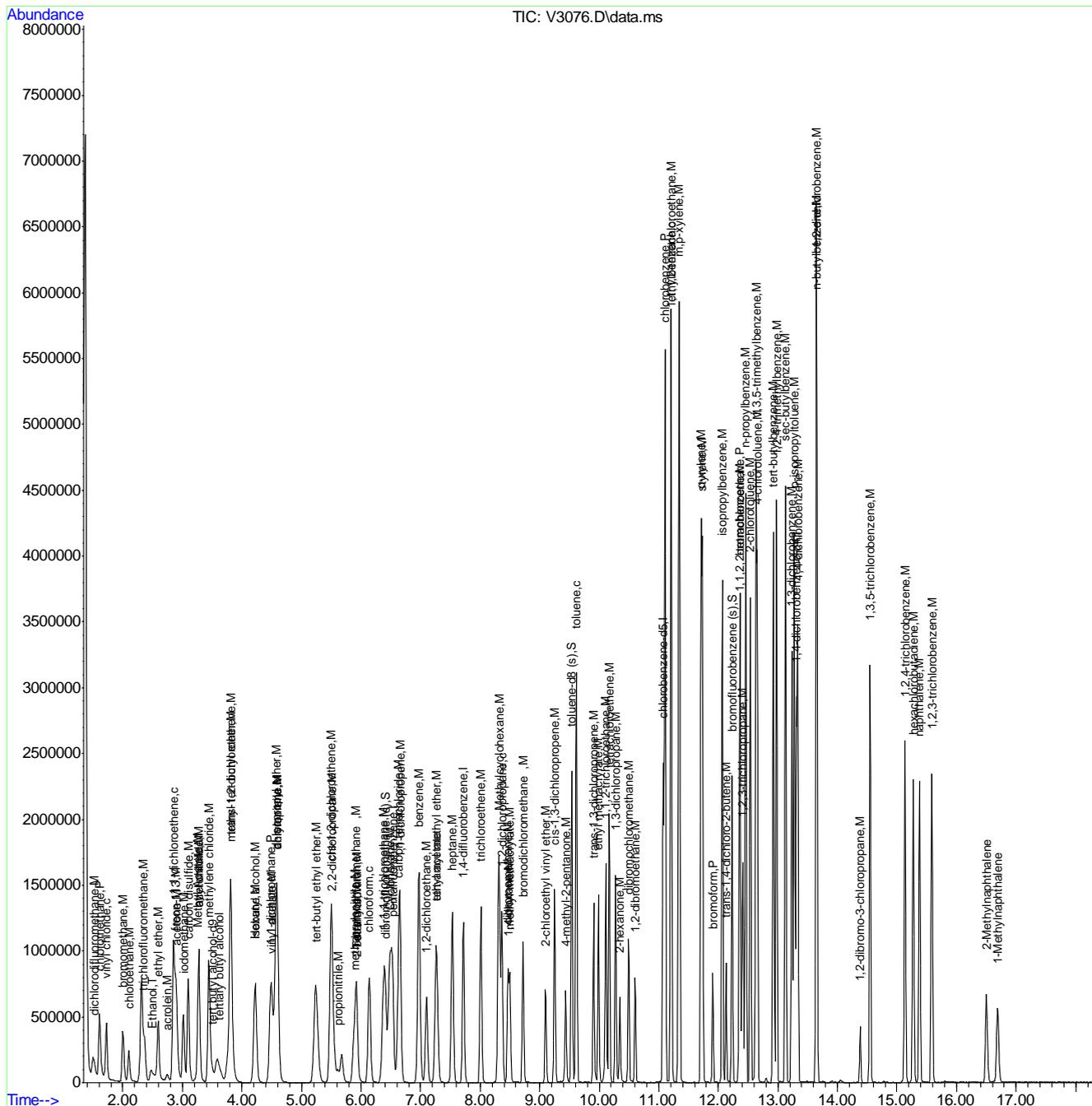
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.234 | 146 | 1120391 | 51.73 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.273 | 119 | 2122381 | 54.47 | ug/L | 96 |
| 95) 1,4-dichlorobenzene | 13.332 | 146 | 1142294 | 51.03 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.654 | 146 | 1068492 | 52.47 | ug/L | 98 |
| 97) n-butylbenzene | 13.646 | 91 | 2220596 | 54.73 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.381 | 75 | 96700 | 46.00 | ug/L | 85 |
| 99) 1,3,5-trichlorobenzene | 14.548 | 180 | 906595 | 52.16 | ug/L | 98 |
| 100) 1,2,4-trichlorobenzene | 15.134 | 180 | 807140 | 52.73 | ug/L | 97 |
| 101) hexachlorobutadiene | 15.274 | 225 | 507211 | 53.50 | ug/L | 97 |
| 102) naphthalene | 15.379 | 128 | 1754274 | 52.67 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.585 | 180 | 789498 | 52.78 | ug/L | 95 |
| 104) 2-Methylnaphthalene | 16.503 | 142 | 471597 | 22.59 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.691 | 142 | 417813 | 22.66 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : ccl126-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:07:55 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration



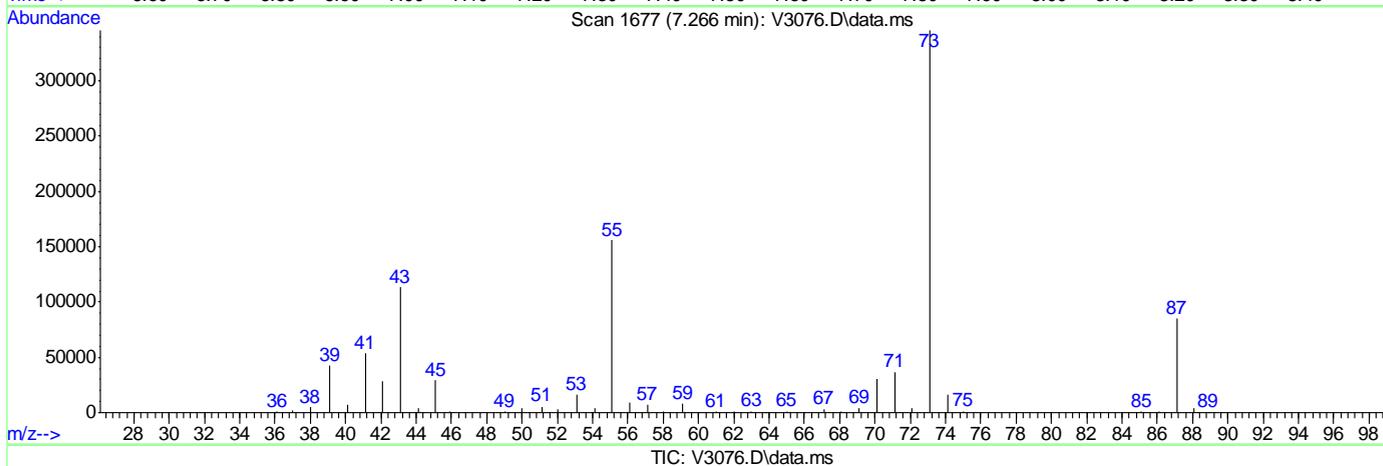
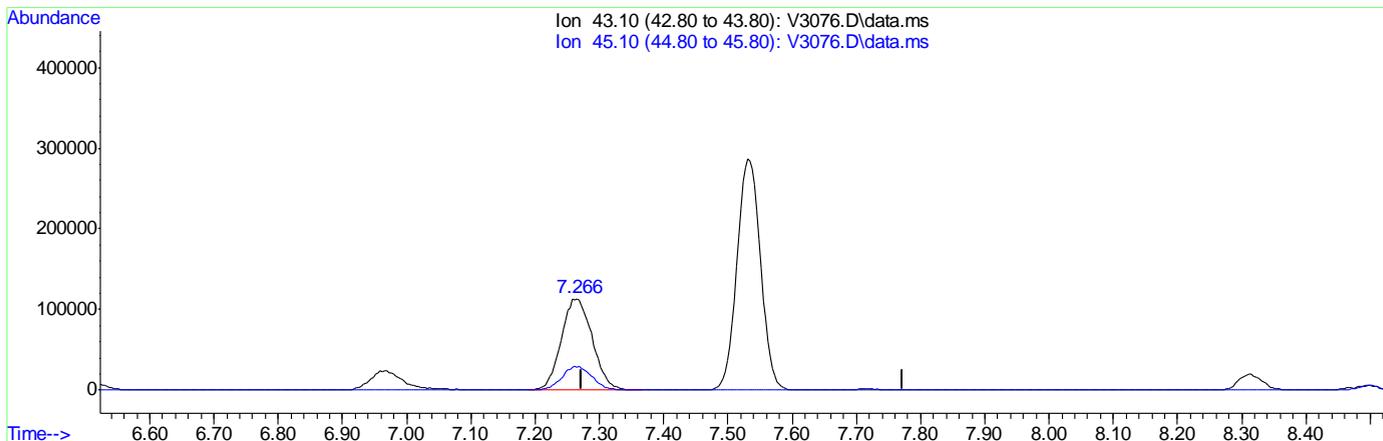
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3076.D
 Acq On : 4 Nov 2011 9:45 am
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV136,5,,,5,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 15:06:24 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.6.34.1

6



(37) ethyl acetate
 7.266min (-0.007) 50.55ug/L m
 response 374949

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) tert butyl alcohol-d9 | 3.487 | 65 | 313086 | 500.00 | ug/L | -0.03 | |
| 4) pentafluorobenzene | 6.503 | 168 | 834725 | 50.00 | ug/L | -0.03 | |
| 43) 1,4-difluorobenzene | 7.695 | 114 | 1255591 | 50.00 | ug/L | -0.03 | |
| 66) chlorobenzene-d5 | 11.057 | 82 | 764223 | 50.00 | ug/L | -0.02 | |
| 80) 1,4-dichlorobenzene-d4 | 13.293 | 152 | 707216 | 50.00 | ug/L | -0.02 | |
| System Monitoring Compounds | | | | | | | |
| 40) dibromofluoromethane (s) | 6.383 | 113 | 369044 | 42.54 | ug/L | -0.03 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 85.08% | |
| 60) toluene-d8 (s) | 9.520 | 98 | 1525806 | 44.31 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 88.62% | |
| 82) bromofluorobenzene (s) | 12.216 | 95 | 897093 | 58.83 | ug/L | -0.02 | |
| Spiked Amount | 50.000 | Range | 70 - 130 | Recovery | = | 117.66% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) tertiary butyl alcohol | 3.591 | 59 | 421466 | 500.92 | ug/L | | 99 |
| 3) Ethanol | 2.483 | 45 | 199265 | 4567.01 | ug/L | | 86 |
| 5) dichlorodifluoromethane | 1.507 | 85 | 674177 | 55.78 | ug/L | | 99 |
| 6) chloromethane | 1.605 | 50 | 545366 | 47.72 | ug/L | | 99 |
| 7) vinyl chloride | 1.719 | 62 | 558480 | 43.86 | ug/L | | 95 |
| 8) bromomethane | 1.995 | 96 | 372231 | 53.72 | ug/L | | 96 |
| 9) chloroethane | 2.092 | 64 | 310549 | 51.49 | ug/L | | 97 |
| 10) ethyl ether | 2.581 | 59 | 350987 | 49.62 | ug/L | | 93 |
| 11) acetonitrile | 3.258 | 41 | 818534 | 53.21 | ug/L | | 95 |
| 12) trichlorofluoromethane | 2.334 | 101 | 739939m | 51.71 | ug/L | | |
| 13) freon-113 | 2.874 | 101 | 571460 | 55.27 | ug/L | | 97 |
| 14) acrolein | 2.732 | 56 | 153912 | 430.47 | ug/L | | 100 |
| 15) 1,1-dichloroethene | 2.837 | 96 | 511494 | 56.33 | ug/L | | 89 |
| 16) acetone | 2.884 | 43 | 353939 | 50.32 | ug/L | | 96 |
| 17) Methyl Acetate | 3.248 | 43 | 649160 | 59.59 | ug/L | # | 91 |
| 18) methylene chloride | 3.428 | 84 | 615850 | 51.32 | ug/L | | 87 |
| 19) methyl tert butyl ether | 3.795 | 73 | 1367578 | 54.91 | ug/L | | 97 |
| 20) acrylonitrile | 4.566 | 53 | 931961 | 285.17 | ug/L | | 99 |
| 21) allyl chloride | 3.258 | 41 | 816314 | 54.66 | ug/L | | 89 |
| 22) trans-1,2-dichloroethene | 3.791 | 96 | 557866 | 53.61 | ug/L | | 90 |
| 23) iodomethane | 3.003 | 142 | 883665 | 55.49 | ug/L | | 98 |
| 24) carbon disulfide | 3.085 | 76 | 1701668 | 48.84 | ug/L | | 99 |
| 25) propionitrile | 5.598 | 54 | 71844 | 50.91 | ug/L | | 100 |
| 26) vinyl acetate | 4.485 | 43 | 777132 | 35.78 | ug/L | | 93 |
| 27) chloroprene | 4.566 | 53 | 931961 | 57.03 | ug/L | | 84 |
| 28) di-isopropyl ether | 4.550 | 45 | 1757728 | 52.93 | ug/L | | 94 |
| 29) methacrylonitrile | 5.864 | 41 | 341925 | 53.89 | ug/L | | 94 |
| 30) 2-butanone | 5.906 | 72 | 55731 | 53.62 | ug/L | | 88 |
| 31) Hexane | 4.198 | 41 | 561214 | 51.48 | ug/L | # | 86 |
| 32) 1,1-dichloroethane | 4.455 | 63 | 1046666 | 53.01 | ug/L | | 100 |
| 33) tert-butyl ethyl ether | 5.216 | 59 | 1530566 | 49.16 | ug/L | | 93 |
| 34) isobutyl alcohol | 4.197 | 43 | 473323 | 258.21 | ug/L | | 90 |
| 35) 2,2-dichloropropane | 5.488 | 77 | 728618 | 49.41 | ug/L | | 99 |
| 36) cis-1,2-dichloroethene | 5.472 | 96 | 613170 | 52.87 | ug/L | | 89 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) ethyl acetate | 7.241 | 43 | 408073m | 49.73 | ug/L | |
| 38) bromochloromethane | 5.894 | 128 | 270632 | 53.85 | ug/L # | 79 |
| 39) chloroform | 6.112 | 83 | 1080101 | 52.89 | ug/L | 99 |
| 41) Tetrahydrofuran | 5.902 | 42 | 137070 | 53.90 | ug/L | 92 |
| 42) 1,1,1-trichloroethane | 6.353 | 97 | 913139 | 50.06 | ug/L | 95 |
| 44) Cyclohexane | 6.458 | 56 | 1019294 | 49.06 | ug/L | 94 |
| 45) carbon tetrachloride | 6.606 | 117 | 802614 | 57.74 | ug/L | 97 |
| 46) 1,1-dichloropropene | 6.625 | 75 | 822407 | 53.55 | ug/L | 98 |
| 47) benzene | 6.945 | 78 | 2227011 | 52.00 | ug/L | 100 |
| 48) 1,2-dichloroethane | 7.074 | 62 | 815492 | 52.69 | ug/L | 99 |
| 49) tert-amyl methyl ether | 7.242 | 73 | 1248295 | 48.66 | ug/L | 94 |
| 50) heptane | 7.509 | 43 | 812095 | 51.47 | ug/L | 92 |
| 51) trichloroethene | 7.989 | 95 | 606308 | 53.60 | ug/L | 90 |
| 52) 1,2-dichloropropane | 8.342 | 63 | 601614 | 52.61 | ug/L | 98 |
| 53) dibromomethane | 8.446 | 93 | 347380 | 53.99 | ug/L | 98 |
| 54) bromodichloromethane | 8.700 | 83 | 770197 | 49.88 | ug/L | 99 |
| 55) Methylcyclohexane | 8.293 | 83 | 971663 | 52.52 | ug/L | 92 |
| 56) 2-chloroethyl vinyl ether | 9.080 | 63 | 240436 | 41.55 | ug/L | 96 |
| 57) methyl methacrylate | 8.479 | 69 | 341253 | 56.18 | ug/L | 85 |
| 58) 1,4-dioxane | 8.460 | 88 | 24876 | 239.61 | ug/L | 58 |
| 59) cis-1,3-dichloropropene | 9.231 | 75 | 895692 | 49.25 | ug/L | 97 |
| 61) 4-methyl-2-pentanone | 9.419 | 43 | 486147 | 49.71 | ug/L | 96 |
| 62) toluene | 9.596 | 92 | 1418144 | 52.18 | ug/L | 98 |
| 63) trans-1,3-dichloropropene | 9.888 | 75 | 790257 | 51.81 | ug/L | 94 |
| 64) 1,1,2-trichloroethane | 10.093 | 83 | 422210 | 52.08 | ug/L | 99 |
| 65) ethyl methacrylate | 9.971 | 69 | 657409 | 47.27 | ug/L | 85 |
| 67) tetrachloroethene | 10.150 | 166 | 639048 | 52.56 | ug/L | 98 |
| 68) 1,3-dichloropropane | 10.257 | 76 | 879730 | 51.45 | ug/L | 99 |
| 69) dibromochloromethane | 10.477 | 129 | 550675 | 50.99 | ug/L | 99 |
| 70) 1,2-dibromoethane | 10.586 | 107 | 512965 | 53.76 | ug/L | 100 |
| 71) 2-hexanone | 10.332 | 43 | 478830 | 50.60 | ug/L | 97 |
| 72) chlorobenzene | 11.086 | 112 | 1542665 | 51.66 | ug/L | 95 |
| 73) 1,1,1,2-tetrachloroethane | 11.187 | 131 | 549663 | 57.14 | ug/L | 98 |
| 74) ethylbenzene | 11.193 | 91 | 2771371 | 52.37 | ug/L | 99 |
| 75) m,p-xylene | 11.325 | 106 | 2056158 | 103.03 | ug/L | 100 |
| 76) o-xylene | 11.695 | 106 | 1026071 | 53.44 | ug/L | 97 |
| 77) styrene | 11.716 | 104 | 1719569 | 53.98 | ug/L | 96 |
| 78) bromoform | 11.889 | 173 | 337796 | 47.73 | ug/L | 97 |
| 79) trans-1,4-dichloro-2-b... | 12.113 | 53 | 200712 | 51.13 | ug/L | 87 |
| 81) isopropylbenzene | 12.051 | 105 | 2652387 | 56.98 | ug/L | 98 |
| 83) bromobenzene | 12.341 | 156 | 679849 | 49.68 | ug/L | 94 |
| 84) 1,1,2,2-tetrachloroethane | 12.349 | 83 | 656841 | 48.25 | ug/L | 98 |
| 85) 1,2,3-trichloropropane | 12.395 | 75 | 702224 | 43.89 | ug/L | 84 |
| 86) n-propylbenzene | 12.444 | 91 | 3192243 | 49.63 | ug/L | 99 |
| 87) 2-chlorotoluene | 12.521 | 91 | 1966246 | 47.97 | ug/L | 96 |
| 88) 4-chlorotoluene | 12.635 | 91 | 2271144 | 48.59 | ug/L | 97 |
| 89) 1,3,5-trimethylbenzene | 12.616 | 105 | 2267139 | 48.81 | ug/L | 99 |
| 90) tert-butylbenzene | 12.906 | 91 | 1363235 | 50.21 | ug/L | 97 |
| 91) 1,2,4-trimethylbenzene | 12.961 | 105 | 2290831 | 49.09 | ug/L | 98 |
| 92) sec-butylbenzene | 13.112 | 105 | 2926997 | 49.91 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : cc126-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

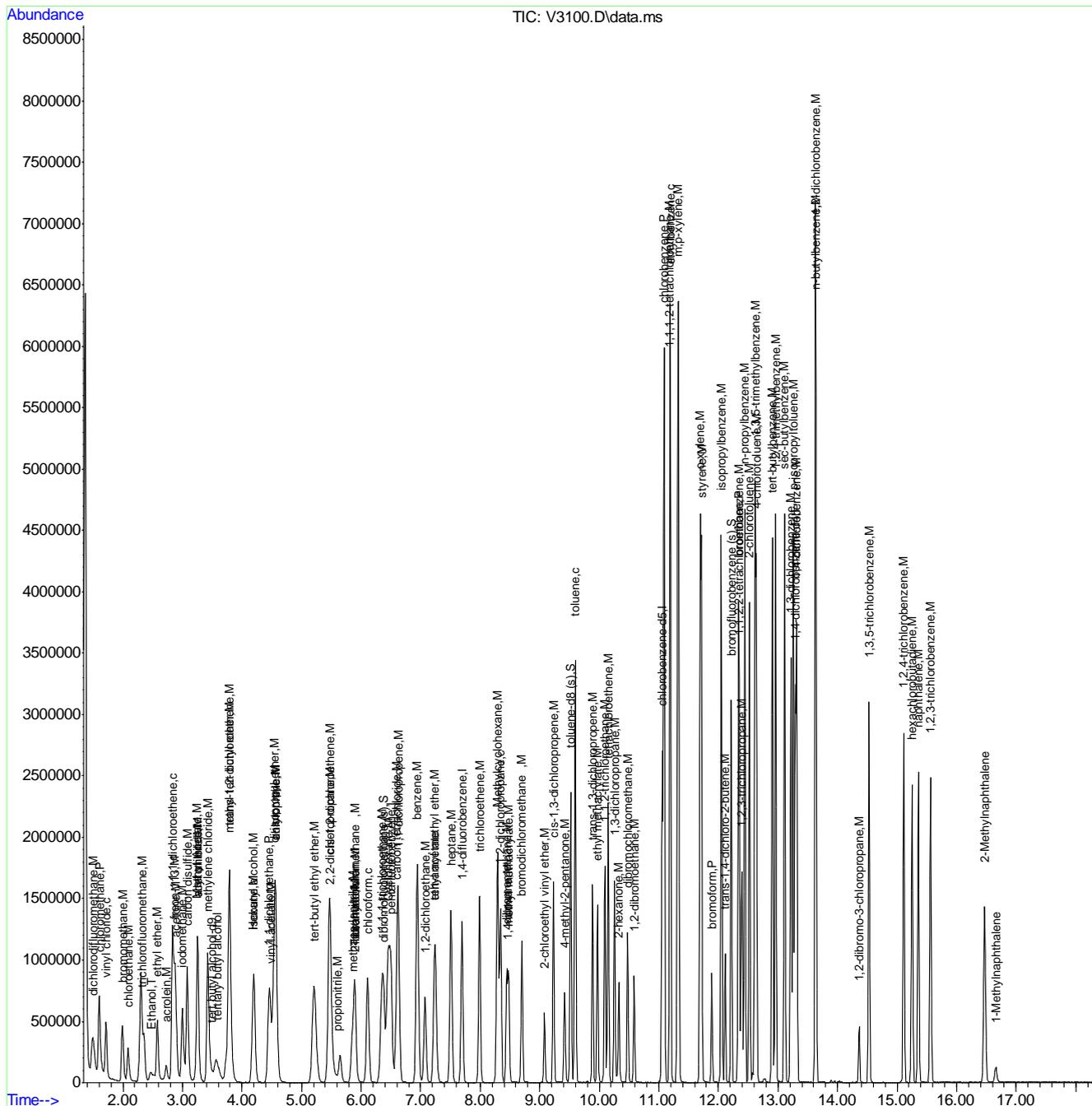
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,3-dichlorobenzene | 13.218 | 146 | 1207671 | 48.63 | ug/L | 99 |
| 94) p-isopropyltoluene | 13.257 | 119 | 2292109 | 51.30 | ug/L | 98 |
| 95) 1,4-dichlorobenzene | 13.315 | 146 | 1225203 | 47.73 | ug/L | 97 |
| 96) 1,2-dichlorobenzene | 13.637 | 146 | 1157010 | 49.55 | ug/L | 97 |
| 97) n-butylbenzene | 13.630 | 91 | 2263177 | 48.64 | ug/L | 99 |
| 98) 1,2-dibromo-3-chloropr... | 14.363 | 75 | 103585 | 43.39 | ug/L | 93 |
| 99) 1,3,5-trichlorobenzene | 14.530 | 180 | 912532 | 45.79 | ug/L | 97 |
| 100) 1,2,4-trichlorobenzene | 15.114 | 180 | 868677 | 49.49 | ug/L | 95 |
| 101) hexachlorobutadiene | 15.253 | 225 | 536666 | 49.37 | ug/L | 98 |
| 102) naphthalene | 15.359 | 128 | 1906450 | 49.91 | ug/L | 100 |
| 103) 1,2,3-trichlorobenzene | 15.563 | 180 | 834141 | 48.63 | ug/L | 95 |
| 104) 2-Methylnaphthalene | 16.471 | 142 | 986172 | 40.92 | ug/L | 99 |
| 105) 1-Methylnaphthalene | 16.659 | 142 | 91477 | 3.60 | ug/L | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : cc126-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:56:58 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

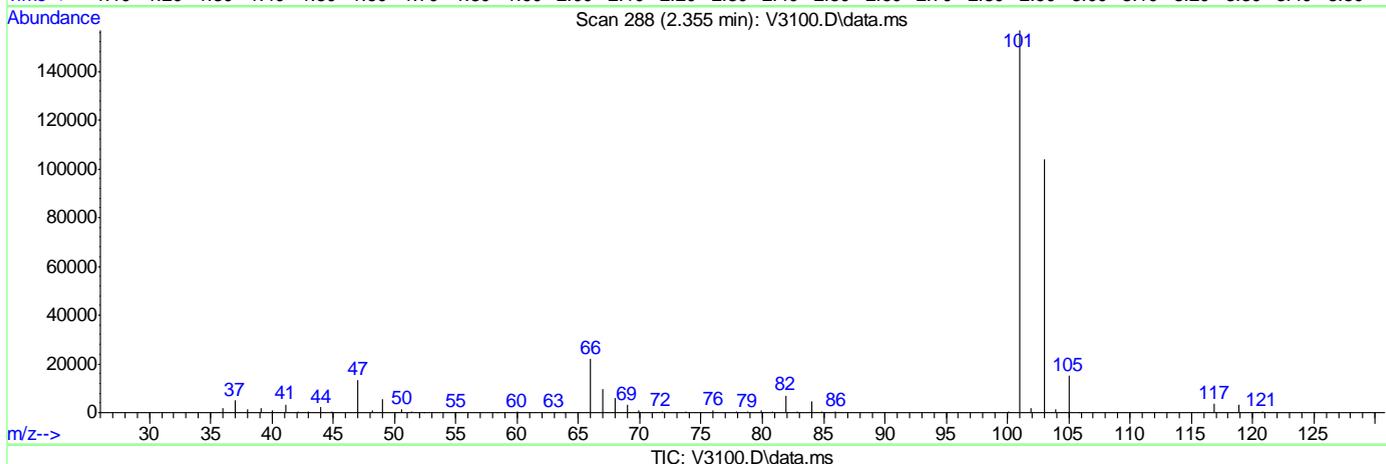
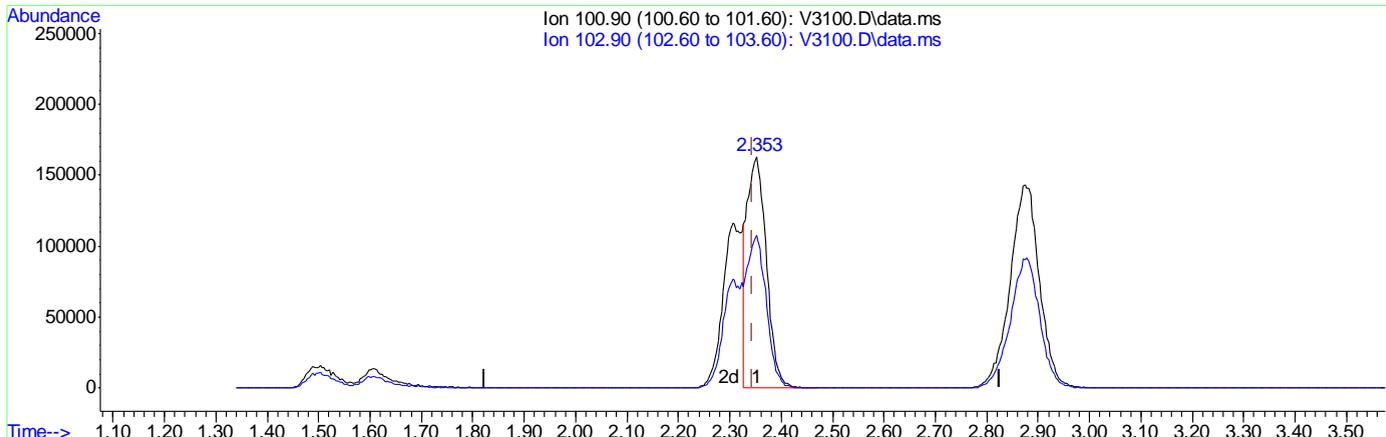


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.6.35.1
 6



(12) trichlorofluoromethane (M)

2.353min (+0.008) 29.72ug/L

response 425235

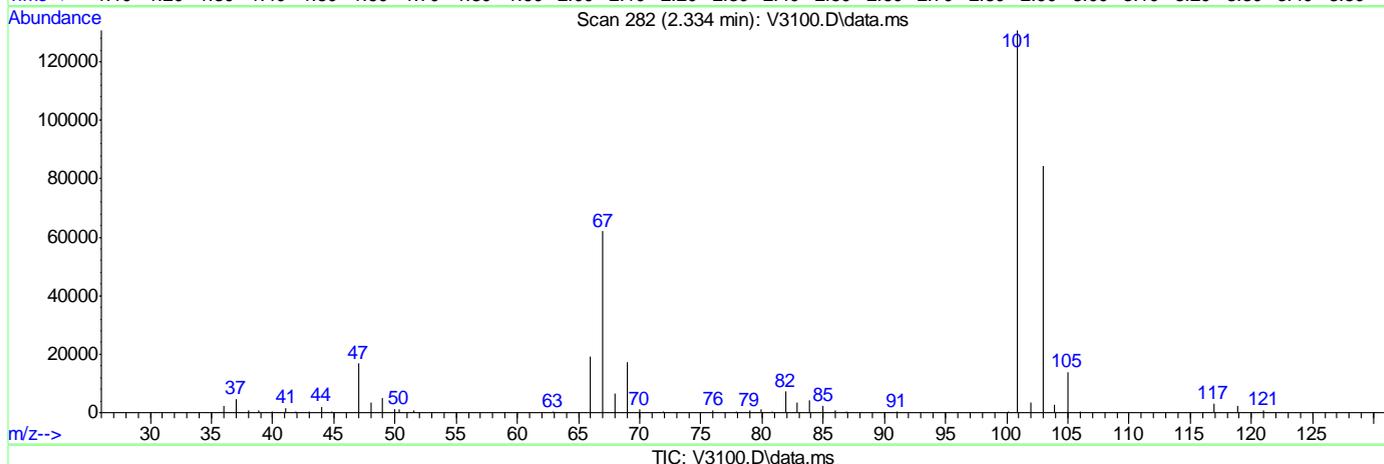
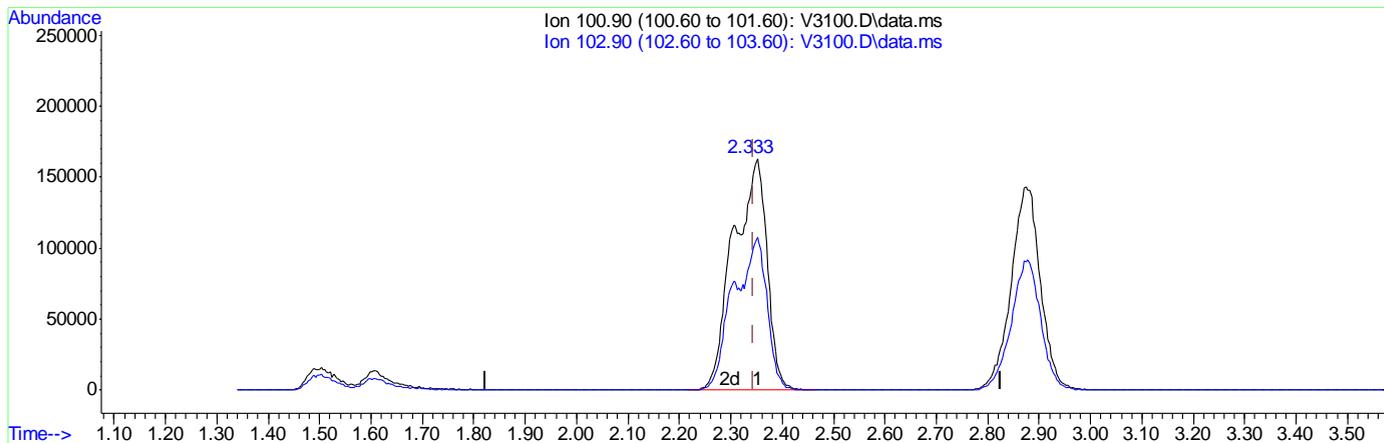
| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 66.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.6.35.2
 6



(12) trichlorofluoromethane (M)

2.334min (-0.011) 51.71ug/L m

response 739939

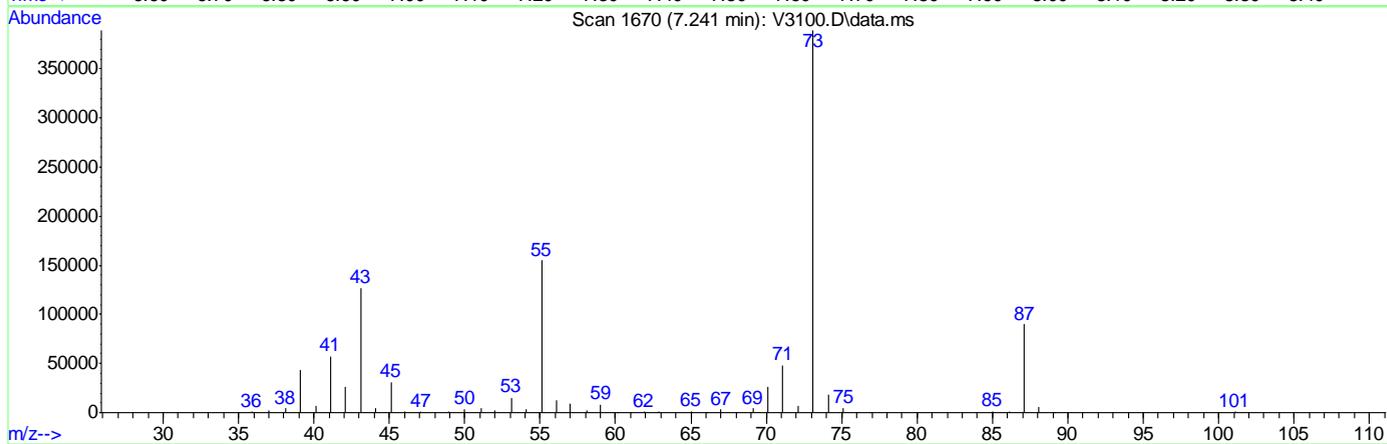
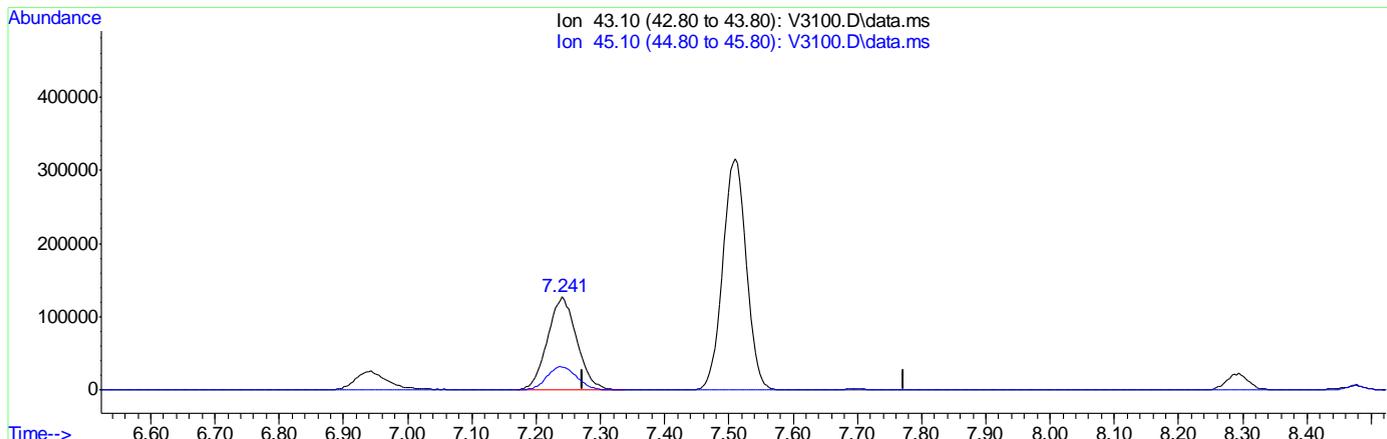
| Ion | Exp% | Act% |
|--------|-------|-------|
| 100.90 | 100 | 100 |
| 102.90 | 66.10 | 64.52 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
 Data File : V3100.D
 Acq On : 6 Nov 2011 1:31 pm
 Operator : AMYM
 Sample : ccl26-50
 Misc : MS24287,MSV137,5,,,5,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 14:53:42 2011
 Quant Method : C:\msdchem\1\METHODS\v102411s.m
 Quant Title : SW-846 Method 8260
 QLast Update : Mon Oct 24 17:34:58 2011
 Response via : Initial Calibration

6.6.35.3
 6



(37) ethyl acetate
 7.241min (-0.032) 49.73ug/L m
 response 408073

| Ion | Exp% | Act% |
|-------|------|------|
| 43.10 | 100 | 100 |
| 45.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Standards Data

| Lot # | Description | Conc |
|--------|-------------|---------|
| MS8393 | 260 Int Std | 250 ppm |
| MS8323 | 260 Surm | 200 ppm |
| MS8412 | 260 Cal Std | 200 ppm |
| MS8421 | 260 BS | 200 ppm |

Daily Saved File

| | |
|--------------------|-------------|
| Tune file 1: | E36196 |
| Tune file 2: | E36206 |
| Initial Cal: | 10/20/11 |
| ID File: | E102011 M.M |
| ICAL Verified: | E56206 |
| Sequence verified: | OT 10/21/11 |

Date: ^{OT 10/21/11} MSE2266 10/20/11

Batch ID: ^{OT 10/21/11} MSE2266

Analysts OT

Signature: *Clara J. J...*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-------------------|---------|------------|-------------|-------|------------------|------------|---------|------------|----|-------------------|
| E36193 | blank | | | method 8260 | 1 | Soil | | | | | |
| 194 | CC2241-50 | 3 | MS8412 | | 2 | methanol extract | | | | | faib high RR |
| 195 | BS | 1 | MS8421 | | 3 | | | | | | faib high RR |
| 196 | MS8393 | | | | 4 | | | | | | |
| 197 | IC2266-0.5 | 3 | MS8412 | | 5 | | | | | | |
| 198 | IC2266-2 | 3 | | | 6 | | | | | | |
| 199 | IC2266-5 | 3 | | | 7 | | | | | | |
| 200 | IC2266-25 | 3 | | | 8 | | | | | | |
| 201 | IC2266-50 | 3 | | | 9 | | | | | | |
| 202 | IC2266-100 | 3 | | | 10 | | | | | | |
| 203 | IC2266-200 | 3 | | | 11 | | | | | | |
| 204 | IC2266-400 | 3 | | | 12 | | | | | | |
| 205 | blank | | | | 13 | | | | | | |
| 206 | IC2266-50 | 1 | MS8421 | | 14 | | | | | | also CC2241-50 BS |
| 207 | MB | | | | 15 | | | | | | |
| 208 | MB | | | | 16 | | | | | | |
| 209 | MC4545-1 | 2 | MS24109 | 1060 STD | 17 | | MTB | | | | ml > 50ml |
| 210 | MC4545-2 | 4 | | | 18 | | 6.96g/10ml | | | | |
| 211 | MC4545-3 | 4 | | | 19 | | 8.20g/10ml | | | | |
| 212 | MC4545-4 | 4 | | | 20 | | 5.86g/10ml | | | | |
| 213 | MC4545-5 | 4 | | | 21 | | 7.91g/10ml | | | | |
| 214 | MC4545-6 | 4 | | | 22 | | 5.93g/10ml | | | | |
| 215 | MC4545-7 | 4 | | | 23 | | 7.82g/10ml | | | | |
| 216 | MC4545-8 | 4 | | | 24 | | 4.66g/10ml | | | | |
| 217 | MC4545-9 | 4 | | | 25 | | 6.26g/10ml | | | | |
| 218 | MC4545-10 | 4 | | | 26 | | 7.41g/10ml | | | | |
| 219 | MC4545-11 | 4 | | | 27 | | 4.65g/10ml | | | | |
| 220 | MC4545-12 | 4 | | | 28 | | 7.75g/10ml | | | | |
| 221 | MC4545-13 | 4 | | | 29 | | 5.88g/10ml | | | | |
| 222 | MC4545-14 | 4 | | | 30 | | 7.25g/10ml | | | | |
| 223 | MC4545-15 | 4 | | | 31 | | 5.91g/10ml | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: *Clara J. J...* 10/21/11

6.7.1
 6

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|-------|-------------|------|
| | See pg 4 | |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------------|
| Tune file 1: |
| Tune file 2: |
| Initial Cal: |
| ID File: |
| ICAL Verified: |
| Sequence verified: 07/10/21/11 |

Date: 10/20/11

Batch ID: MSE2266

Analysts

Signature: *[Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|--------------------|-----------|---------|------------|-----------|-------|----------------|------------|---------|------------|----|-----------------|
| E56224 | MC45825 | 4 | MS24189 | VOLAT STD | 32 | Soil | 8.18g/10mL | | 1mL->50mL | | |
| 225 | MC45427 | 4 | | | 33 | method extract | 6.61g/10mL | | | | |
| 226 | -27ms | 4 | | | 34 | | | | | | soil with MS212 |
| 227 | -27ms | 4 | | | 35 | | | | | | |
| <p>07/10/20/11</p> | | | | | | | | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mL for water.

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|-------------|---------|
| ms 8424 | 8200 IS | 250 ppb |
| 8429 | SS | 200 ppb |
| 8430 | CAL | |
| 8437 | BS | |

| |
|-----------------------|
| Tune file 1: E56600 |
| Tune file 2: - |
| Initial Cal: 10/20/11 |
| ID File: E102011.m.m |
| ICAL Verified: E56600 |
| Sequence verified: GK |

Date: 11-4-11

Batch ID: MSE2276

Analysts GK

Signature: *[Handwritten Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|--------------------|---------|------------|---------|-------|------|-----------|---------|------------|----|-----------------|
| E56699 | primer | 2 | MS24295 | 8200 | 1 | S | 5ml | NA | 50X | NA | ✓ |
| 600 | BFB Tune CC2246-50 | ↓ | | | 2 | | | | | | ✓ 10:22am |
| 01 | BS | 1 | | | 3 | | | | | | ✓ |
| 02 | BSD | ↓ | | | 4 | | | | | | ✓ |
| 03 | blk | 1 | | | 5 | | | | | | ✓ |
| 04 | MB | ↓ | | | 6 | ↓ | | | | | ✓ |
| 05 | MC5053-1 | 1 | | | 7 | O | | | 1000X | | ✓ cloudy |
| 06 | MC5051-1 | ↓ | | | 8 | ↓ | | | 500X | | ✓ |
| 07 | MC5183-7 | 4 | | | 9 | S | | | 50X | | ✓ |
| 08 | MC5181-1 | 3 | | | 10 | | | | | | ✓ |
| 09 | MC5142-5 | ↓ | | | 11 | | | | | | ✓ |
| 10 | MC5148-1 | 2 | | | 12 | | | | | | ✓ |
| 11 | ↓ -2 | ↓ | | | 13 | | | | | | ✓ |
| 12 | MC4942-11 | ↓ | | | 14 | | | | | | ✓ |
| 13 | ↓ -1-MSD | | | | 15 | | | | | | BAD X PURGE |
| 14 | MC4942-11 | 4 | | | 16 | | | | 5000X | | r r 500X |
| 15 | -1 | | | | 17 | | | | 100X | | ✓ nontarget |
| 16 | -5 | | | | 18 | | | | 50X | | X ? Low r/m end |
| 17 | -12 | | | | 19 | | | | | | ✓ |
| 18 | -15 | | | | 20 | | | | | | ✓ |
| 19 | -20 | | | | 21 | | | | | | X ? Low r/m end |
| 20 | -21 | | | | 22 | | | | | | ✓ |
| 21 | -23 | | | | 23 | | | | | | ✓ |
| 22 | -25 | | | | 24 | | | | | | ✓ |
| 23 | 11-11 ↓ -26 ↓ | | | | 25 | | | | | | ✓ |
| 24 | MC5148-1, MS2 2 | | | | 26 | | | | | | ✓ 10:03pm |
| 25 | ↓ BK | | | | 27 | | | | | | 40 |
| 26 | MC5183-1 | 4 | NA | screens | 28 | | | | | | Low |
| 27 | 2 | | | | 29 | | | | | | |
| 28 | 3 | | | | 30 | | | | | | |
| 29 | 4 | | | | 31 | | | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.

Sample amount is reported in grams (wet) for soil and oil, mls for water.

MS001-04 Date: 12/02/08

Review: *[Handwritten Signature]* 11/7/11

Standards Data

| Lot # | Description | Conc |
|--------|--------------|---------|
| MS8392 | R260 Int Std | 250 ppm |
| MS8429 | R260 Sur | 200 ppm |
| | R260 Cal Std | 200 ppm |
| | R260 DS | 200 ppm |

Daily Saved File

| | |
|--------------------|-------------|
| Tune file 1: | R24255 |
| Tune file 2: | NA |
| Initial Cal: | 11/4/11 |
| ID File: | R11041111.m |
| ICAL Verified: | R24267 |
| Sequence verified: | OT 11/4/11 |

Date: 11/4/11
 Batch ID: MSR899
 Analysts: [Signature]
 Signature: [Signature]

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|------------|---------|------------|--------|-------|-------|-----------|---------|------------|----|----------|
| R 24254 | blank | | | method | 1 | Water | | | | | |
| 255 | blank | | | R260 | 2 | | | | | | |
| 256 | IC899-0.25 | 2 | MS8430 | | 3 | | | | | | |
| 257 | IC899-0.5 | 2 | | | 4 | | | | | | |
| 258 | IC899-1 | 2 | | | 5 | | | | | | |
| 259 | IC899-2 | 2 | | | 6 | | | | | | |
| 260 | IC899-5 | 2 | | | 7 | | | | | | |
| 261 | IC899-25 | 2 | | | 8 | | | | | | |
| 262 | IC899-50 | 2 | | | 9 | | | | | | |
| 263 | IC899-100 | 2 | | | 10 | | | | | | |
| 264 | IC899-200 | 2 | | | 11 | | | | | | |
| 265 | IC899-400 | 2 | | | 12 | | | | | | |
| 266 | blank | | | | 13 | | | | | | |
| 267 | IC899-50 | 1 | MS8437 | | 14 | | | | | | |

drop pt. outlier, very high, RE re possible high wire cont

[Signature] 11/4/11

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml for water.

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|--------|--------------|---------|
| MS8392 | 8260 Int Std | 250 ppm |
| MS8425 | 8260 Emr | 250 ppm |
| MS8430 | 8260 Cal Std | 200 ppm |
| MS8437 | 8260 BS | 200 ppm |

| | |
|--------------------|-------------|
| Tune file 1: | R24269 |
| Tune file 2: | NA |
| Initial Cal: | 11/4/11 |
| ID File: | R110711 W.M |
| ICAL Verified: | R24267 |
| Sequence verified: | 11/5/11 |

Date: 11/5/11
 Batch ID: MSR900/MSR901
 Analysts: [Signature]
 Signature: [Signature]

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|-------------|-------|-------|-----------|---------|------------|----|----------------|
| R24269 | prim | | | method 8260 | 1 | Water | | | | | |
| 269 | CE899-50 | 2 | MS8430 | | 2 | | | | | | |
| 270 | BS | 2 | MS8437 | | 3 | | | | | | |
| 271 | MB | | | | 4 | | | | | | |
| 272 | MB | | | | 5 | | | | | | |
| 273 | MC5062-13 | 8 | MS2430 | V82605L | 6 | | | NA | 1X | 22 | KRSY, over cal |
| 274 | -13MB | 3,4,7 | | | 7 | | | | 1X | | |
| 275 | -13MSO | | | | 8 | | | | 1X | | |
| 276 | MC5062-20 | 7 | | | 9 | | | | 1X | | MSR901 |
| 277 | -20MS | 1,3,5 | | | 10 | | | | 1X | | |
| 278 | -20MSO | | | | 11 | | | | 1X | | |
| 279 | MC5061-1 | 2 | | | 12 | | | | 1X | | |
| 280 | MC5062-1 | 3 | | | 13 | | | | 1X | | |
| 281 | MC5062-2 | 1 | | | 14 | | | | 1X | | |
| 282 | MC5062-3 | 2 | | | 15 | | | | 1X | | |
| 283 | MC5062-6 | 3 | | | 16 | | | | 1X | | |
| 284 | MC5062-7 | 1 | | | 17 | | | | 1X | | |
| 285 | MC5062-8 | 3 | | | 18 | | | | 1X | | |
| 286 | MC5062-9 | 1 | | | 19 | | | | 1X | | |
| 287 | MC5062-12 | 3 | | | 20 | | | | 1X | | |
| 288 | MC5062-14 | 3 | | | 21 | | | | 1X | | |
| 289 | MC5062-15 | 1 | | | 22 | | | | 1X | | |
| 290 | MC5062-16 | 3 | | | 23 | | | | 1X | | |
| 291 | MC5062-17 | 3 | | | 24 | | | | 1X | | |
| 292 | MC5062-18 | 2 | | | 25 | | | | 1X | | |
| 293 | Blank | | | | 26 | | | | 1X | | |

[Signature] 11/5/11

= Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mLs for water.

11-04 Date: 12/02/08

Review: [Signature] 11/11/11

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|--------|--------------|----------|
| MS8316 | 8260 Int Std | 250/100m |
| MS8425 | 8260 Cal | 250/100m |
| MS8430 | 8260 Cal Std | 250/100m |
| MS8437 | 8260 BS | 250/100m |

| | |
|--------------------|------------|
| Tune file 1: | R 24269 |
| Tune file 2: | NA |
| Initial Cal: | 11/4/11 |
| ID File: | R110411W.m |
| ICAL Verified: | R24267 |
| Sequence verified: | R 11/5/11 |

Date: 11/5/11
 Batch ID: MSR 900 / MSR 901
 Analysts: [Signature]
 Signature: [Signature]

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|-------------|-------|-------|-----------|---------|------------|----|----------------|
| R24269 | prim | | | method 8260 | 1 | Water | | | | | |
| 269 | CC899-50 | 2 | MS8430 | | 2 | | | | | | |
| 270 | BS | 2 | MS8437 | | 3 | | | | | | |
| 271 | MB | | | | 4 | | | | | | |
| 272 | MB | | | | 5 | | | | | | |
| 273 | MC5062-B | 8 | MS24310 | 10260SL | 6 | | | NA | 1X | L2 | KRSY, over cal |
| 274 | -1344 | 3,4,7 | | | 7 | | | | 1X | | |
| 275 | -13450 | | | | 8 | | | | 1X | | |
| 276 | MC5062-20 | 7 | | | 9 | | | | 1X | | MSR 901 |
| 277 | 20MS | 1,3,5 | | | 10 | | | | 1X | | |
| 278 | 20MS | | | | 11 | | | | 1X | | |
| 279 | MC5061-1 | 2 | | | 12 | | | | 1X | | |
| 280 | MC5062-1 | 3 | | | 13 | | | | 1X | | |
| 281 | MC5062-2 | 1 | | | 14 | | | | 1X | | |
| 282 | MC5062-3 | 2 | | | 15 | | | | 1X | | |
| 283 | MC5062-6 | 3 | | | 16 | | | | 1X | | |
| 284 | MC5062-7 | 1 | | | 17 | | | | 1X | | |
| 285 | MC5062-8 | 3 | | | 18 | | | | 1X | | |
| 286 | MC5062-9 | 1 | | | 19 | | | | 1X | | |
| 287 | MC5062-12 | 3 | | | 20 | | | | 1X | | |
| 288 | MC5062-14 | 3 | | | 21 | | | | 1X | | |
| 289 | MC5062-15 | 1 | | | 22 | | | | 1X | | |
| 290 | MC5062-16 | 3 | | | 23 | | | | 1X | | |
| 291 | MC5062-17 | 3 | | | 24 | | | | 1X | | |
| 292 | MC5062-18 | 2 | | | 25 | | | | 1X | | |
| 293 | Blank | | | | 26 | | | | 1X | | |

[Signature] 11/5/11

= Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mLs for water.

11-04 Date: 12/02/08

Review: [Signature] 11/11/11

6.7.5
 6

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|--------|--------------|---------|
| MS8392 | 8260 Int Std | 250 ppm |
| MS8425 | 8260 Surg | 250 ppm |
| MS8430 | 8260 Cal Std | 250 ppm |
| MS8437 | 8260 (2) | 250 ppm |

| | |
|--------------------|-------------|
| Tune file 1: | R24295 |
| Tune file 2: | NA |
| Initial Cal: | 1/4/11 |
| ID File: | R110411 W.M |
| ICAL Verified: | R24267 |
| Sequence verified: | 1/7/11 |

Date: 1/5/11

Batch ID: MSR901

Analysts: DJ

Signature: *Sam Tuzon*

*Note: If sample matrix is soil -- method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|------------|-------|-------|-----------|---------|------------|----|-----------------------------------|
| A24294 | blank | | | method | 27 | water | | | | | |
| 295 | CCM9-50 | 2 | MS8430 | 8260 | 28 | | | | | | |
| 296 | B5 | 2 | MS8437 | | 29 | | | | | | YCT STAR list pass all <20% |
| 297 | MB | | | | 30 | | | | | | |
| 298 | MB | | | | 31 | | | | | | |
| 299 | MC5062-19 | 3 | MS84310 | √8260SL | 32 | | | NA | 1X | 22 | RR check facts |
| 300 | MC5062-21 | 1 | | | 33 | | | | 1X | | |
| 301 | MC5062-22 | 1 | | | 34 | | | | 1X | | |
| 302 | MC5062-23 | 1 | | | 35 | | | | 1X | | |
| 303 | MC5100-2 | 8 | | √8260 RCP | 36 | | | | 1X | | |
| 304 | MC5137-6 | 7 | | | 37 | | | | 1X | | |
| 305 | MC5173-6 | 1 | | √8260SL | 38 | | | | 1X | | |
| 306 | MC5183-8 | 1 | | | 39 | | | | 1X | | |
| 307 | MC5103-1 | 1 | | √8260 STAR | 40 | | | | 1X | | check out for STAR list |
| 308 | MC5103-2 | 1 | | | 41 | | | | 1X | | |
| 309 | MC5103-3 | 1 | | | 42 | | | | 1X | | |
| 310 | MC5103-4 | 2 | | | 43 | | | | 1X | | |
| 311 | MC5103-5 | 1 | | | 44 | | | | 1X | | |
| 312 | MC5103-6 | 1 | | | 45 | | | √ | 1X | | |
| | | | | | 46 | | | | | | |
| | | | | | 47 | | | | | | |

= Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mL for water.

VOLATILE ORGANICS BY GC/MS ANALYSIS LOG

Standards Data

| Lot # | Description | Conc |
|---------|--------------|---------|
| MS 8392 | 8260 Int Std | 250 ppm |
| MS 8425 | 8260 Sup | 250 ppm |
| MS 8430 | 8260 Cal Std | 200 ppm |
| MS 847 | 8260 BS | 200 ppm |

Daily Saved File

| | |
|--------------------|----------|
| Tune file 1: | K24315 |
| Tune file 2: | NA |
| Initial Cal: | 11/11 |
| ID File: | P:\11/11 |
| ICAL Verified: | 024267 |
| Sequence verified: | 024267 |

Date: 11/17/11
 Batch ID: MSR902 / MSR901
 Analysts: [Signature]
 Signature: [Signature]

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|-----------|-------|-------|-----------|---------|------------|----|------------------------------|
| K24313 | ppm | | | method | 1 | Water | | | | | |
| 314 | CC 899-50 | 2 | MSR430 | 8260 | 2 | | | | | | |
| 315 | CC 899-50 | 2 | MSR430 | | 3 | | | | | | Indistinct mass spec |
| 316 | BS | 2 | MSR437 | | 4 | | | | | | oil |
| 317 | BS | 2 | MSR437 | | 5 | | | | | | |
| 318 | MS | | | | 6 | | | | | | |
| 319 | MS | | | | 7 | | | | | | |
| 320 | MC5156-2 | 9 | MC24322 | V8260 MS | 8 | | | NA | 5X | 22 | Visible oil in sample stream |
| 321 | MC5162-13 | 1 | MC24310 | V8260 S | 9 | | | | | | |
| 322 | MC5100-2 | 6 | | V8260 REP | 10 | | | | | | |
| 323 | MC5183-6 | 1 | | V8260 S | 11 | | | | | | |
| 324 | MC5183-8 | 1 | | | 12 | | | | | | |
| 325 | MC5062-19 | 1 | | | 13 | | | | | | |
| 326 | MC5062-21 | 3 | | | 14 | | | | | | |
| 327 | MC5062-22 | 2 | | | 15 | | | | | | |
| 328 | MC5062-23 | 2 | | | 16 | | | | | | |
| 329 | MC5172-6 | 6 | | | 17 | | | | | | |

[Signature] 11/17/11

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mls for water.

IS001-04 Date: 12/02/08

Review: [Signature] 11/18/11
 50

| Standards Data | | |
|----------------|--------------|---------|
| Lot # | Description | Conc |
| MS8392 | 8260 Int Std | 250 ppm |
| MS8425 | 8260 Sum | 250 ppm |
| MS8430 | 8260 Cal Std | 250 ppm |
| MS847 | 8260 OS | 250 ppm |

| Daily Saved File | |
|--------------------|-------------|
| Tune file 1: | K24315 |
| Tune file 2: | NA |
| Initial Cal: | 11/11 |
| ID File: | P11041111.w |
| ICAL Verified: | 124267 |
| Sequence verified: | 11/11/11 |

Date: 11/11/11
 Batch ID: MSR902 / MSR901
 Analysts: [Signature]
 Signature: Dawn Tuzin

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Ant. | Res Cl. | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|-----------|-------|-------|-----------|---------|------------|----|-----------------------------|
| K24313 | print | | | method | 1 | Water | | | | | |
| 314 | CC891-50 | 2 | MS8430 | 8260 | 2 | | | | | | Indistinct MS Spl |
| 315 | CC891-50 | 2 | MS8430 | | 3 | | | | | | out |
| 316 | BS | 2 | MS8437 | | 4 | | | | | | |
| 317 | BSO | 2 | MS8437 | | 5 | | | | | | |
| 318 | MSB | | | | 6 | | | | | | |
| 319 | MSB | | | | 7 | | | | | | |
| 320 | MC5156-2 | 9 | MC2432 | 10260 RCP | 8 | | | NA | 5X | 22 | Visible oil sheen in sample |
| 321 | MC5162-13 | 1 | MC24310 | 10260 SL | 9 | | | | 5X | | |
| 322 | MC5160-2 | 6 | | 10260 RCP | 10 | | | | 1X | | |
| 323 | MC5183-6 | 1 | | 10260 SL | 11 | | | | 1X | | |
| 324 | MC5183-8 | 1 | | | 12 | | | | 1X | | |
| 325 | MC5062-19 | 1 | | | 13 | | | | 1X | | |
| 326 | MC5062-21 | 3 | | | 14 | | | | 1X | | |
| 327 | MC5062-22 | 2 | | | 15 | | | | 1X | | |
| 328 | MC5062-23 | 2 | | | 16 | | | | 1X | | |
| 329 | MC5107-6 | 6 | | | 17 | | | | 1X | | |

[Signature] 11/11/11

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, mls for water.

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|---------------------|------|
| MS 8430 | V. B. 60 cal STD | 2000 |
| 8421 | V. B. 60 BS (butyl) | 200 |
| 8362 | V. B. 60 2S | 250 |
| 8358 | V. B. 60 5S | 250 |

| | |
|--------------------|-----------------------|
| Tune file 1: | V 2840 |
| Tune file 2: | V 2853B |
| Initial Cal: | 10/24/11 |
| ID File: | V102411S / V102411MCP |
| ICAL Verified: | V2853/V2853A |
| Sequence verified: | ✓ |

Date: 10/24/11
 Batch ID: MSV126 / MSV127 (MCP)
 Analysts: _____
 Signature: _____

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water.

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|-----------|---------|------------|--------------|-------|------|-----------|-------|------------|----|------------------|
| V 2836 | CC112-50 | 3 | MS 8412 | NA | 1 | NA | NA | NA | NA | NA | IS response |
| | 37 | ↓ | ↓ | ↓ | 2 | | | | | | too high (>20%) |
| | 38 | 1 | MS 8421 | NA | 3 | | | | | | recursive |
| | 39 | NA | NA | ↓ | 4 | | | | | | |
| | 40 | ↓ | ↓ | ↓ | 5 | | | | | | |
| | 41 | 1 | MS 8430 | NA | 6 | | | | | | V2841A ic127-0.5 |
| | 42 | ↓ | ↓ | ↓ | 7 | | | | | | 42A -2 |
| | 43 | ↓ | ↓ | ↓ | 8 | | | | | | 43A -5 |
| | 44 | ↓ | ↓ | ↓ | 9 | | | | | | 44A -10 |
| | 45 | ↓ | ↓ | ↓ | 10 | | | | | | 45A ↓ -20 |
| | 46 | ↓ | ↓ | ↓ | 11 | | | | | | 46A ic127-50 |
| | 47 | ↓ | ↓ | ↓ | 12 | | | | | | 47A ic127-100 |
| | 48 | ↓ | ↓ | ↓ | 13 | | | | | | 48A ↓ -200 |
| | 49 | ↓ | ↓ | ↓ | 14 | | | | | | 49A ↓ -400 |
| | 50 | NA | NA | NA | 15 | | | | | | |
| | 51 | ↓ | ↓ | ↓ | 16 | | | | | | |
| | 52 | 2 | MS 8421 | NA | 17 | | | | | | |
| | 53 | ↓ | ↓ | ↓ | 18 | | | | | | V2853B ic127-50 |
| | 54 | ↓ | ↓ | ↓ | 19 | | | | | | |
| | 55 | NA | NA | ↓ | 20 | ↓ | ↓ | | | | |
| | 56 | 2 | MS 24207 | V. B. 60 TCH | 21 | S | 8.59 | | | | |
| | 57 | ↓ | ↓ | ↓ | 22 | | 9.01 | | | | |
| | 58 | ↓ | ↓ | ↓ | 23 | | 7.22 | | | | |
| | 59 | 3 | | V. B. 60 RCP | 24 | | 5.16 | | | | |
| | 60 | 2 | | ↓ | 25 | | 5.16 | | | | |
| | 61 | 3 | | ↓ | 26 | | 4.97 | | | | IS ↓ RR |
| | 62 | 3 | | ↓ | 27 | | 5.36 | | | | IS ↓ RR |
| | 63 | 1 | MS 24220 | V. B. 60 RCP | 28 | | 5.76 | | | | |
| | 64 | ↓ | ↓ | ↓ | 29 | | 5.59 | | | | |
| | 65 | ↓ | ↓ | ↓ | 30 | | 5.57 | | | | |
| | 66 | ↓ | ↓ | ↓ | 31 | | 5.62 | | | | |

MTX = Matrix: Designate W for water, S for soil, O for oil.

Sample amount is reported in grams (wet) for soil and oil, ml/s for water.

MS001-04 Date: 12/02/08

Review: *Wanda Lujan 10/26/11*

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|-------|---------------|------|
| | | |
| | | |
| See | previous page | |
| | | |
| | | |

| | |
|--------------------|---------------|
| Tune file 1: | |
| Tune file 2: | see |
| Initial Cal: | |
| ID File: | previous page |
| ICAL Verified: | |
| Sequence verified: | page |

Date: 10/24/11
 Batch ID: MSV126/MSV127 (MCP)
 Analysts _____
 Signature: *[Signature]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|------------|---------|------------|---------|-------|------|-----------|-------|------------|----|-----------------------|
| V2867 | MC4790-11 | 3 | MS240200 | V826RUP | 32 | S | 5.89 | NA | NA | NA | |
| 68 | -12 | 3 | | | 33 | | 5.53 | | | | SSP RR Mem to confirm |
| 69 | -14 | 2 | | | 34 | | 5.42 | | | | |
| 70 | -17 | 3 | | | 35 | | 5.29 | | | | |
| 71 | -18 | 2 | | | 36 | | 6.05 | | | | |
| 72 | MC4790-1A | 1 | | | 37 | | 5 | | | | |
| 73 | MC4835-7A | 2 | | | 38 | | 5 | | | | |
| 74 | MC4790-4MS | 1 | | | 39 | | 5.125 | | | | |
| 75 | -4MS0 | ↓ | ↓ | ↓ | 40 | ↓ | 5.20 | ↓ | ↓ | ↓ | |
| | | | | | | | | | | | |

10/25/11

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml/s for water.

MS001-04 Date: 12/02/08

Review: *[Signature]* 10/26/11

Standards Data

Daily Saved File

| Lot # | Description | Conc |
|---------|----------------|------|
| MS 8930 | V. B. Cal STD | 200 |
| 8937 | V. B. BS (std) | 200 |
| 8362 | V. B. ZS | 250 |
| 8358 | V. B. SS | 250 |

| | |
|--------------------|-------------------|
| Tune file 1: | V3076 |
| Tune file 2: | NA |
| Initial Cal: | 10/24/11 |
| ID File: | V102411S |
| ICAL Verified: | <i>[initials]</i> |
| Sequence verified: | <i>[initials]</i> |

Date: 11/4/11
 Batch ID: MSV136
 Analysts: _____
 Signature: *[initials]*

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|---------------|---------|------------|--------------|-------|------|-----------|-------|------------|----|----------|
| V3075 | HR | NA | NA | NA | 1 | NA | NA | NA | NA | NA | |
| | 76 CC126-50 | 1 | MS 8930 | | 2 | | | | | | |
| | 77 BS | ↓ | MS 8937 | | 3 | | | | | | |
| | 78 MB | NA | NA | | 4 | | | | | | |
| | 79 MC 4878-1 | 3 | MS24298 | V. B. STD | 5 | S | 6.34 | | | | |
| | 80 MC 5183-7A | 2 | | V. B. SL | 6 | | 5 | | | | |
| | 81 MC 5140-1 | 2 | | V. B. RCP | 7 | | 4.39 | | | | |
| | 82 MC 5142-1 | 2 | | V. B. CTAROM | 8 | | 6.33 | | | | |
| | 83 ↓ -1M | 1 | | | 9 | | 4.986 | | | | MS 8937 |
| | 84 ↓ -1M | ↓ | | | 10 | | 5.593 | | | | ↓ |
| | 85 MC 5142-2 | 2 | | | 11 | | 6.39 | | | | |
| | 86 ↓ -3 | 2 | | | 12 | | 6.38 | | | | |
| | 87 ↓ -4 | 1 | | | 13 | | 6.29 | | | | |
| | 88 ↓ -6 | | | | 14 | | 5.82 | | | | |
| | 89 ↓ -7 | | | | 15 | | 5.90 | | | | |
| | 90 MC 5137-2 | | | V. B. RCP | 16 | | 5.83 | | | | |
| | 91 ↓ -3 | ↓ | | | 17 | | 6.14 | | | | |
| | 92 ↓ -10 | 3 | | | 18 | | 6.94 | | | | ZSL RR |
| | 93 ↓ -11 | | | | 19 | | 7.13 | | | | |
| | 94 MC 4942-16 | | MS-24287 | V. B. STD | 20 | | 7.58 | | | | |
| | 95 ↓ -24 | ↓ | | | 21 | | 9.28 | | | | |
| | 96 HR | NA | NA | NA | 22 | NA | NA | | | | |
| | 97 ↓ | ↓ | ↓ | ↓ | 23 | ↓ | ↓ | | | | |

[Handwritten signature]
11/6/11

TX = Matrix: Designate W for water, S for soil, O for oil. Sample amount is reported in grams (wet) for soil and oil, mL for water.

S001-04 Date: 12/02/08

Review: *[Signature]* 11/8/11

40

Standards Data

| Lot # | Description | Conc |
|---------|-------------------|--------------------|
| MS 8430 | V B60 Cal STD | 200 200 |
| 8437 | V B60 BS (methyl) | 200 |
| 8362 | V B60 ZS | 250 |
| 8358 | V B60 SS | 250 |
| 8448 | V B60 SS | 250 |

Daily Saved File

| | |
|--------------------|-------------------------------------|
| Tune file 1: | V3100 |
| Tune file 2: | NA |
| Initial Cal: | 10/24/11 |
| ID File: | V102411C |
| ICAL Verified: | <input checked="" type="checkbox"/> |
| Sequence verified: | <input checked="" type="checkbox"/> |

Date: 11/6/11
 Batch ID: MSV137
 Analysts: _____
 Signature: [Signature]

*Note: If sample matrix is soil - method SW846 5035 used for preparation. SW846 5030 is purge and trap method for soil and water

| Data File | Sample ID | Bot No. | Work Group | Test | ALS # | *MTX | Samp Amt. | % Sol | Dil. Fact. | pH | Comments |
|-----------|-------------|---------|------------|----------------------|-------|------|-----------|-------|------------|----|---------------|
| V3098 | MBR | NA | NA | NA | 1 | NA | NA | NA | NA | NA | |
| 99 | CC126-50 | 2 | MS 8430 | | 2 | | | | | | |
| V3100 | BS (RFB/CO) | 2 | MS 8437 | | 3 | | | | | | |
| x01 | BSD | ↓ | ↓ | ↓ | 4 | | | | | | |
| x02 | MB | NA | NA | ↓ | 5 | | | | | | out of the SS |
| x03 | MC5156-1 | 2 | MS 24312 | NA MB RCP | 6 | S | 5.16 | | | | |
| x04 | MC5183-1 | | | V B60 | 7 | | 6.86 | | | | |
| x05 | -2 | | | | 8 | | 7.12 | | | | |
| x06 | -3 | | | | 9 | | 7.00 | | | | |
| x07 | -4 | | | | 10 | | 7.08 | | | | |
| 08 | MBR | NA | NA | NA | 11 | NA | NA | | | | |
| 09 | MB | ↓ | ↓ | ↓ | 12 | ↓ | | | | | |
| 10 | MC5183-5 | 2 | MS 24312 | V B60 SL | 13 | S | 7.13 | | | | |
| 11 | -1 | 3 | | | 14 | | 7.30 | | | | |
| 12 | -2 | | | | 15 | | 6.95 | | | | |
| 13 | -3 | | | | 16 | | 7.21 | | | | |
| 14 | -4 | ↓ | | | 17 | | 7.39 | | | | |
| 15 | -5 MB | 1 | | | 18 | | 4.538 | | | | MS 8437 |
| 16 | -5 MSD | ↓ | | | 19 | | 4.285 | | | | ↓ |
| 17 | MC5208-3 | 3 | | V B60 RCP | 20 | | 6.11 | | | | |
| 18 | -4 | 2 | | | 21 | | 5.94 | | | | |
| 19 | -9 | 3 | | | 22 | | 5.59 | | | | |
| 20 | -11A | 1 | | | 23 | | 5.00 | | | | |
| 21 | MC5100-7R | 2 | | | 24 | | 7.29 | | | | |
| 22 | MC5137-5A | 3 | | | 25 | | 6.12 | | | | |

11/7/11 [Signature]

MTX = Matrix: Designate W for water, S for soil, O for oil.
 Sample amount is reported in grams (wet) for soil and oil, ml for water.

MS001-04 Date: 12/02/08

Review: [Signature] 11/7/11

6.7.9
 6

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: MC5183
Account: GGSVAVB Global General Services
Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples

Sample: MC5183-1 **Analyzed:** 03-NOV-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-021

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 33.911 | g |
| Tare Weight | 21.94 | g |
| Dry Weight (Total) | 32.815 | g |
| Solids, Percent | 90.8 | % |

Sample: MC5183-2 **Analyzed:** 03-NOV-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-022

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 31.792 | g |
| Tare Weight | 20.974 | g |
| Dry Weight (Total) | 30.85 | g |
| Solids, Percent | 91.3 | % |

Sample: MC5183-3 **Analyzed:** 03-NOV-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-023

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 27.682 | g |
| Tare Weight | 17.849 | g |
| Dry Weight (Total) | 26.606 | g |
| Solids, Percent | 89.1 | % |

Sample: MC5183-4 **Analyzed:** 03-NOV-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-024

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 30.897 | g |
| Tare Weight | 21.395 | g |
| Dry Weight (Total) | 29.899 | g |
| Solids, Percent | 89.5 | % |

Sample: MC5183-5 **Analyzed:** 03-NOV-11 by HS **Method:** SM21 2540 B MOD.
ClientID: WE33-SIDEWALL-025

| | | |
|--------------------|--------|---|
| Wet Weight (Total) | 24.601 | g |
| Tare Weight | 17.644 | g |
| Dry Weight (Total) | 24.008 | g |
| Solids, Percent | 91.5 | % |

7.1
7

APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D4 – Waste Disposal Characterization Laboratory Analytical Data

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Technical Report for

Global General Services

Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33
143071

Accutest Job Number: MC3035

Sampling Dates: 08/23/11 - 08/24/11

Report to:

Shaw Environmental Virginia Beach, VA

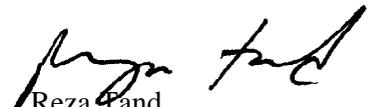
natasha.sullivan@shawgrp.com

ATTN: Natasha Sullivan

Total number of pages in report: **49**



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.



Reza Pand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579)
NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Global General Services

Job No: MC3035

Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33

Project No: 143071

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|------|------------------|
| | Date | Time By | | Code | Type | |
| MC3035-1 | 08/23/11 | 15:30 SB | 08/24/11 | SO | Soil | 143071-WDC-001 |
| MC3035-1A | 08/23/11 | 15:30 SB | 08/24/11 | SO | Soil | 143071-WDC-001 |
| MC3035-2 | 08/24/11 | 10:15 SB | 08/24/11 | SO | Soil | 143071-WDC-002 |
| MC3035-2A | 08/24/11 | 10:15 SB | 08/24/11 | SO | Soil | 143071-WDC-002 |
| MC3035-3 | 08/24/11 | 10:30 SB | 08/24/11 | SO | Soil | 143071-WDC-003 |
| MC3035-3A | 08/24/11 | 10:30 SB | 08/24/11 | SO | Soil | 143071-WDC-003 |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

| | | | |
|--------------------------|----------------|---|----------|
| Client Sample ID: | 143071-WDC-001 | Date Sampled: | 08/23/11 |
| Lab Sample ID: | MC3035-1 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 95.3 |
| Method: | SW846 8260B | Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V1502.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.79 g | 5.0 ml |
| Run #2 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | 32.3 | 3.9 | 0.89 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.39 | 0.097 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 1.5 | 0.16 | ug/kg | |
| 75-25-2 | Bromoform | ND | 1.5 | 0.36 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 1.5 | 0.52 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 3.9 | 0.92 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 3.9 | 0.75 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 1.5 | 0.17 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 1.5 | 0.072 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 3.9 | 0.20 | ug/kg | |
| 67-66-3 | Chloroform | ND | 1.5 | 0.11 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 3.9 | 0.17 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 1.5 | 0.50 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.5 | 0.12 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.5 | 0.11 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.5 | 0.25 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.5 | 0.21 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.5 | 0.19 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.5 | 0.18 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.5 | 0.77 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.5 | 0.53 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.5 | 0.10 | ug/kg | |
| 591-78-6 | 2-Hexanone | ND | 3.9 | 0.81 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 3.9 | 0.65 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 1.5 | 0.28 | ug/kg | |
| 100-42-5 | Styrene | ND | 3.9 | 0.39 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.5 | 0.14 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 1.5 | 0.13 | ug/kg | |
| 108-88-3 | Toluene | 0.71 | 3.9 | 0.14 | ug/kg | J |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.5 | 0.14 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.20 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.36 | 1.5 | 0.15 | ug/kg | J |

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: | 143071-WDC-001 | | |
| Lab Sample ID: | MC3035-1 | Date Sampled: | 08/23/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|-------|-------|---|
| 75-01-4 | Vinyl chloride | ND | 1.5 | 0.50 | ug/kg | |
| 1330-20-7 | Xylene (total) | 0.39 | 1.5 | 0.097 | ug/kg | J |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 93% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 88% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 89% | | 70-130% |

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

Page 1 of 3

| | | |
|--------------------------|---|--------------------------------|
| Client Sample ID: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1 | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|----|-----------|------------|------------------|
| Run #1 | U1933.D | 1 | 08/30/11 | PR | 08/26/11 | OP26062 | MSU122 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.0 g | 1.0 ml |
| Run #2 | | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 260 | 14 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 520 | 18 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 520 | 31 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 520 | 52 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 1000 | 260 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 520 | 260 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 520 | 15 | ug/kg | |
| | 3&4-Methylphenol | ND | 520 | 28 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 520 | 32 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 1000 | 260 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 520 | 49 | ug/kg | |
| 108-95-2 | Phenol | ND | 260 | 44 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 520 | 39 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 520 | 36 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 260 | 22 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 260 | 20 | ug/kg | |
| 120-12-7 | Anthracene | ND | 260 | 21 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 260 | 9.6 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 260 | 16 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 260 | 31 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 260 | 17 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 260 | 7.8 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 260 | 21 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 260 | 11 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 260 | 22 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 520 | 130 | ug/kg | |
| 86-74-8 | Carbazole | ND | 260 | 21 | ug/kg | |
| 218-01-9 | Chrysene | ND | 260 | 8.5 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 260 | 20 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 260 | 5.6 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 260 | 25 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 260 | 24 | ug/kg | |

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: | 143071-WDC-001 | | |
| Lab Sample ID: | MC3035-1 | Date Sampled: | 08/23/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------------|--------|-----|-----|-------|----|
| 95-50-1 | 1,2-Dichlorobenzene | ND | 260 | 21 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 260 | 22 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 260 | 22 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 520 | 130 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 520 | 25 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 260 | 6.3 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 260 | 17 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 260 | 22 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 260 | 24 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 260 | 14 | ug/kg | |
| 84-66-2 | Diethyl phthalate | 28.6 | 260 | 23 | ug/kg | JB |
| 131-11-3 | Dimethyl phthalate | ND | 260 | 18 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 260 | 18 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 260 | 8.9 | ug/kg | |
| 86-73-7 | Fluorene | ND | 260 | 5.8 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 260 | 23 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 260 | 21 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 520 | 3.5 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 260 | 21 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 260 | 16 | ug/kg | |
| 78-59-1 | Isophorone | ND | 260 | 26 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 260 | 22 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 520 | 130 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 520 | 130 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 520 | 19 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 260 | 6.1 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 260 | 7.8 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 260 | 17 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 260 | 14 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 260 | 6.8 | ug/kg | |
| 129-00-0 | Pyrene | ND | 260 | 8.4 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 260 | 23 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 66% | | 30-130% |
| 4165-62-2 | Phenol-d5 | 68% | | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 81% | | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 75% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 77% | | 30-130% |

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: | 143071-WDC-001 | | |
| Lab Sample ID: | MC3035-1 | Date Sampled: | 08/23/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

ABN TCL List

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1718-51-0 | Terphenyl-d14 | 86% | | 30-130% |

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: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1 | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8015 | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BH23518.D | 1 | 08/29/11 | AF | n/a | n/a | GBH1293 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 13.8 g | 10.0 ml | 100 ul |
| Run #2 | | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------|--------|--------|---------|-------|---|
| | TPH-GRO (VOA) | ND | 4.0 | 2.9 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 615-59-8 | 2,5-Dibromotoluene | 81% | | 36-148% | | |

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: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1 | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8082 SW846 3545 | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BB37901.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2379 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.4 g | 10.0 ml |
| Run #2 | | |

PCB List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|-----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 100 | 14 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 100 | 15 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 100 | 20 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 100 | 6.9 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 100 | 2.6 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 100 | 16 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 100 | 3.9 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 90% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 87% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 74% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 63% | | 30-150% |

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: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1 | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846-8015 SW846 3545 | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BG30585.D | 1 | 08/30/11 | KD | 08/26/11 | OP26060 | GBG1081 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.2 g | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------------|--------|--------|---------|-------|---|
| | TPH-DRO (Semi-VOA) | 21.7 | 17 | 12 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 3386-33-2 | 1-Chlorooctadecane | 90% | | 24-147% | | |

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: | 143071-WDC-001 | Date Sampled: | 08/23/11 |
| Lab Sample ID: | MC3035-1 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---------------------------|--------|------|--------|----|----------------|----|------------------|
| Corrosivity as pH | 6.0 | | | 1 | 08/25/11 | MA | SW846 CHAP7 |
| Cyanide | < 0.13 | 0.13 | mg/kg | 1 | 08/27/11 20:43 | MA | SW846 9012 M |
| Ignitability (Flashpoint) | > 230 | | Deg. F | 1 | 08/25/11 | BF | SW846 1020 |
| Solids, Percent | 95.3 | | % | 1 | 08/25/11 | HS | SM21 2540 B MOD. |
| Sulfide | < 4.2 | 4.2 | mg/kg | 1 | 08/26/11 | BF | SM21 4500S F MOD |

 RL = Reporting Limit

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-WDC-001 | | |
| Lab Sample ID: | MC3035-1A | Date Sampled: | 08/23/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B SW846 1311 | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 | L56462.D | 100 | 08/30/11 | EK | 08/26/11 | GP13414 | MSL1886 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|----------------------|--------|------|------|-------|-------|-------|---|
| 71-43-2 | Benzene | ND | D018 | 0.50 | 0.050 | 0.046 | mg/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | D035 | 200 | 0.50 | 0.27 | mg/l | |
| 56-23-5 | Carbon tetrachloride | ND | D019 | 0.50 | 0.10 | 0.058 | mg/l | |
| 108-90-7 | Chlorobenzene | ND | D021 | 100 | 0.10 | 0.044 | mg/l | |
| 67-66-3 | Chloroform | ND | D022 | 6.0 | 0.10 | 0.058 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.10 | 0.042 | mg/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | D028 | 0.50 | 0.10 | 0.044 | mg/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | D029 | 0.70 | 0.10 | 0.080 | mg/l | |
| 127-18-4 | Tetrachloroethene | ND | D039 | 0.70 | 0.10 | 0.036 | mg/l | |
| 79-01-6 | Trichloroethene | ND | D040 | 0.50 | 0.10 | 0.075 | mg/l | |
| 75-01-4 | Vinyl chloride | ND | D043 | 0.20 | 0.10 | 0.083 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 70-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1A | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8270C SW846 3510C | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26782.D | 1 | 08/31/11 | KR | 08/29/11 | OP26087 | MSS1152 |
| Run #2 | | | | | | | |

| Run #1 | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 1.0 ml |
| Run #2 | | |

ABN TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|-----------------------|--------|------|------|-------|--------|-------|---|
| 95-48-7 | 2-Methylphenol | ND | D023 | 200 | 0.10 | 0.0048 | mg/l | |
| | 3&4-Methylphenol | ND | D024 | 200 | 0.10 | 0.0063 | mg/l | |
| 87-86-5 | Pentachlorophenol | ND | D037 | 100 | 0.10 | 0.033 | mg/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | D041 | 400 | 0.10 | 0.0040 | mg/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | D042 | 2.0 | 0.10 | 0.0038 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.050 | 0.0061 | mg/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | D030 | 0.13 | 0.10 | 0.013 | mg/l | |
| 118-74-1 | Hexachlorobenzene | ND | D032 | 0.13 | 0.050 | 0.0016 | mg/l | |
| 87-68-3 | Hexachlorobutadiene | ND | D033 | 0.50 | 0.050 | 0.0061 | mg/l | |
| 67-72-1 | Hexachloroethane | ND | D034 | 3.0 | 0.050 | 0.0043 | mg/l | |
| 98-95-3 | Nitrobenzene | ND | D036 | 2.0 | 0.050 | 0.0031 | mg/l | |
| 110-86-1 | Pyridine | ND | D038 | 5.0 | 0.10 | 0.0050 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 35% | | 15-110% |
| 4165-62-2 | Phenol-d5 | 21% | | 15-110% |
| 118-79-6 | 2,4,6-Tribromophenol | 77% | | 15-110% |
| 4165-60-0 | Nitrobenzene-d5 | 40% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 48% | | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 62% | | 30-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-001 | |
| Lab Sample ID: | MC3035-1A | Date Sampled: 08/23/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8151 SW846 3510C | Percent Solids: 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BK5428.D | 1 | 09/01/11 | AP | 08/29/11 | OP26091 | GBK227 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|---------|-------------------|--------|------|-----|-------|---------|-------|---|
| 94-75-7 | 2,4-D | ND | D016 | 10 | 0.010 | 0.0014 | mg/l | |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | D017 | 1.0 | 0.010 | 0.00062 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|----------------------|--------|--------|---------|
| 19719-28-9 | 2,4-DCAA | 73% | | 30-150% |
| 19719-28-9 | 2,4-DCAA | 79% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-001 | | |
| Lab Sample ID: | MC3035-1A | Date Sampled: | 08/23/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8081 SW846 3510C | Percent Solids: | 95.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | YZ67486.D | 1 | 08/31/11 | CZ | 08/29/11 | OP26090 | GYZ6483 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|------------|---------------------|--------|------|--------|---------|----------|-------|---|
| 58-89-9 | gamma-BHC (Lindane) | ND | D013 | 0.40 | 0.00050 | 0.00013 | mg/l | |
| 12789-03-6 | Chlordane | ND | D020 | 0.030 | 0.0050 | 0.0024 | mg/l | |
| 72-20-8 | Endrin | ND | D012 | 0.020 | 0.00050 | 0.00017 | mg/l | |
| 76-44-8 | Heptachlor | ND | D031 | 0.0080 | 0.00050 | 0.00017 | mg/l | |
| 1024-57-3 | Heptachlor epoxide | ND | D031 | 0.0080 | 0.00050 | 0.000094 | mg/l | |
| 72-43-5 | Methoxychlor | ND | D014 | 10 | 0.00050 | 0.00020 | mg/l | |
| 8001-35-2 | Toxaphene | ND | D015 | 0.50 | 0.025 | 0.0015 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 62% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 66% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 61% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: 143071-WDC-001 | Date Sampled: 08/23/11 |
| Lab Sample ID: MC3035-1A | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 95.3 |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

Metals Analysis, TCLP Leachate SW846 1311

| Analyte | Result | HW# | MCL | RL | MDL | Units | DF | Prep | Analyzed By | Method |
|----------|------------|------|------|---------|----------|-------|----|----------|-------------|--------------------------|
| Arsenic | 0.0056 B | D004 | 5.0 | 0.010 | 0.0011 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Barium | 0.077 B | D005 | 100 | 0.50 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Cadmium | 0.0013 B | D006 | 1.0 | 0.0040 | 0.00018 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Chromium | 0.00066 U | D007 | 5.0 | 0.010 | 0.00066 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Lead | 0.0014 B | D008 | 5.0 | 0.010 | 0.0014 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Mercury | 0.000029 U | D009 | 0.20 | 0.00020 | 0.000029 | mg/l | 1 | 08/26/11 | 08/26/11 MA | SW846 7470A ¹ |
| Selenium | 0.023 B | D010 | 1.0 | 0.025 | 0.0021 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Silver | 0.0010 U | D011 | 5.0 | 0.0050 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |

- (1) Instrument QC Batch: MA13319
- (2) Instrument QC Batch: MA13324
- (3) Prep QC Batch: MP17623
- (4) Prep QC Batch: MP17630

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V1503.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.20 g | 5.0 ml |
| Run #2 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | ND | 4.4 | 1.0 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.44 | 0.11 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 1.8 | 0.18 | ug/kg | |
| 75-25-2 | Bromoform | ND | 1.8 | 0.41 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 1.8 | 0.59 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 4.4 | 1.0 | ug/kg | |
| 75-15-0 | Carbon disulfide | 4.2 | 4.4 | 0.85 | ug/kg | J |
| 56-23-5 | Carbon tetrachloride | ND | 1.8 | 0.20 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 1.8 | 0.082 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 4.4 | 0.23 | ug/kg | |
| 67-66-3 | Chloroform | ND | 1.8 | 0.13 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 4.4 | 0.19 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 1.8 | 0.57 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.8 | 0.13 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.8 | 0.13 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.8 | 0.28 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.8 | 0.24 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.8 | 0.22 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.8 | 0.20 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.8 | 0.88 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.8 | 0.60 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.8 | 0.11 | ug/kg | |
| 591-78-6 | 2-Hexanone | ND | 4.4 | 0.92 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 4.4 | 0.74 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 1.8 | 0.32 | ug/kg | |
| 100-42-5 | Styrene | ND | 4.4 | 0.44 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.8 | 0.15 | ug/kg | |
| 127-18-4 | Tetrachloroethene | ND | 1.8 | 0.15 | ug/kg | |
| 108-88-3 | Toluene | ND | 4.4 | 0.16 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.8 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.8 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | 0.57 | 1.8 | 0.17 | ug/kg | J |

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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 75-01-4 | Vinyl chloride | ND | 1.8 | 0.57 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 1.8 | 0.11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 95% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 90% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 88% | | 70-130% |

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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26767.D | 1 | 08/31/11 | PR | 08/26/11 | OP26062 | MSS1151 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.9 g | 1.0 ml |
| Run #2 | | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 260 | 14 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 520 | 18 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 520 | 31 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 520 | 52 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 1000 | 260 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 520 | 260 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 520 | 15 | ug/kg | |
| | 3&4-Methylphenol | ND | 520 | 28 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 520 | 31 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 1000 | 260 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 520 | 48 | ug/kg | |
| 108-95-2 | Phenol | ND | 260 | 43 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 520 | 39 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 520 | 36 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 260 | 22 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 260 | 20 | ug/kg | |
| 120-12-7 | Anthracene | ND | 260 | 21 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 16.3 | 260 | 9.6 | ug/kg | J |
| 50-32-8 | Benzo(a)pyrene | ND | 260 | 16 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 260 | 30 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 260 | 17 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 260 | 7.7 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 260 | 21 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 260 | 11 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 260 | 22 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 520 | 130 | ug/kg | |
| 86-74-8 | Carbazole | ND | 260 | 20 | ug/kg | |
| 218-01-9 | Chrysene | 12.8 | 260 | 8.5 | ug/kg | J |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 260 | 20 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 260 | 5.6 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 260 | 25 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 260 | 23 | ug/kg | |

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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------------|--------|-----|-----|-------|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | 260 | 21 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 260 | 22 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 260 | 22 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 520 | 130 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 520 | 25 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 260 | 6.3 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 260 | 17 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 260 | 22 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 260 | 24 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 260 | 14 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 260 | 23 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 260 | 18 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 260 | 18 | ug/kg | |
| 206-44-0 | Fluoranthene | 26.0 | 260 | 8.9 | ug/kg | J |
| 86-73-7 | Fluorene | ND | 260 | 5.7 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 260 | 22 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 260 | 20 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 520 | 3.5 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 260 | 21 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 260 | 16 | ug/kg | |
| 78-59-1 | Isophorone | ND | 260 | 26 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 260 | 22 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 520 | 130 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 520 | 130 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 520 | 19 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 260 | 6.0 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 260 | 7.7 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 260 | 17 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 260 | 14 | ug/kg | |
| 85-01-8 | Phenanthrene | 14.3 | 260 | 6.7 | ug/kg | J |
| 129-00-0 | Pyrene | 21.4 | 260 | 8.4 | ug/kg | J |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 260 | 23 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 66% | | 30-130% |
| 4165-62-2 | Phenol-d5 | 61% | | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 78% | | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 60% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 30-130% |

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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

ABN TCL List

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1718-51-0 | Terphenyl-d14 | 92% | | 30-130% |

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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8015 | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BH23521.D | 1 | 08/29/11 | AF | n/a | n/a | GBH1293 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 13.6 g | 10.0 ml | 100 ul |
| Run #2 | | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------|--------|--------|---------|-------|---|
| | TPH-GRO (VOA) | ND | 4.5 | 3.2 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 615-59-8 | 2,5-Dibromotoluene | 82% | | 36-148% | | |

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: | 143071-WDC-002 | |
| Lab Sample ID: | MC3035-2 | Date Sampled: 08/24/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846 8082 SW846 3545 | Percent Solids: 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BB37902.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2379 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.2 g | 10.0 ml |
| Run #2 | | |

PCB List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|-----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 110 | 15 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 110 | 15 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 110 | 21 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 110 | 7.3 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 110 | 2.8 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 110 | 17 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 110 | 4.1 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 75% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 73% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 63% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 71% | | 30-150% |

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: | 143071-WDC-002 | |
| Lab Sample ID: | MC3035-2 | Date Sampled: 08/24/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846-8015 SW846 3545 | Percent Solids: 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07,Calf Pasture Point. Task Order WE33 | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BG30587.D | 1 | 08/30/11 | KD | 08/26/11 | OP26060 | GBG1081 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.2 g | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------------|--------|--------|---------|-------|---|
| | TPH-DRO (Semi-VOA) | ND | 18 | 13 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 3386-33-2 | 1-Chlorooctadecane | 24% | | 24-147% | | |

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: | 143071-WDC-002 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3035-2 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---------------------------|--------|------|--------|----|----------------|----|------------------|
| Corrosivity as pH | 8.0 | | | 1 | 08/25/11 | MA | SW846 CHAP7 |
| Cyanide | < 0.13 | 0.13 | mg/kg | 1 | 08/27/11 20:44 | MA | SW846 9012 M |
| Ignitability (Flashpoint) | > 230 | | Deg. F | 1 | 08/25/11 | BF | SW846 1020 |
| Solids, Percent | 91.7 | | % | 1 | 08/25/11 | HS | SM21 2540 B MOD. |
| Sulfide | < 4.4 | 4.4 | mg/kg | 1 | 08/26/11 | BF | SM21 4500S F MOD |

 RL = Reporting Limit

Report of Analysis

| | |
|---|--------------------------------|
| Client Sample ID: 143071-WDC-002 | |
| Lab Sample ID: MC3035-2A | Date Sampled: 08/24/11 |
| Matrix: SO - Soil | Date Received: 08/24/11 |
| Method: SW846 8260B SW846 1311 | Percent Solids: 91.7 |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 | L56463.D | 100 | 08/30/11 | EK | 08/26/11 | GP13414 | MSL1886 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|----------------------|--------|------|------|-------|-------|-------|---|
| 71-43-2 | Benzene | ND | D018 | 0.50 | 0.050 | 0.046 | mg/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | D035 | 200 | 0.50 | 0.27 | mg/l | |
| 56-23-5 | Carbon tetrachloride | ND | D019 | 0.50 | 0.10 | 0.058 | mg/l | |
| 108-90-7 | Chlorobenzene | ND | D021 | 100 | 0.10 | 0.044 | mg/l | |
| 67-66-3 | Chloroform | ND | D022 | 6.0 | 0.10 | 0.058 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.10 | 0.042 | mg/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | D028 | 0.50 | 0.10 | 0.044 | mg/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | D029 | 0.70 | 0.10 | 0.080 | mg/l | |
| 127-18-4 | Tetrachloroethene | ND | D039 | 0.70 | 0.10 | 0.036 | mg/l | |
| 79-01-6 | Trichloroethene | ND | D040 | 0.50 | 0.10 | 0.075 | mg/l | |
| 75-01-4 | Vinyl chloride | ND | D043 | 0.20 | 0.10 | 0.083 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 99% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-002 | | |
| Lab Sample ID: | MC3035-2A | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3510C | Percent Solids: | 91.7 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26783.D | 1 | 08/31/11 | KR | 08/29/11 | OP26087 | MSS1152 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 1.0 ml |
| Run #2 | | |

ABN TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|-----------------------|--------|------|------|-------|--------|-------|---|
| 95-48-7 | 2-Methylphenol | ND | D023 | 200 | 0.10 | 0.0048 | mg/l | |
| | 3&4-Methylphenol | ND | D024 | 200 | 0.10 | 0.0063 | mg/l | |
| 87-86-5 | Pentachlorophenol | ND | D037 | 100 | 0.10 | 0.033 | mg/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | D041 | 400 | 0.10 | 0.0040 | mg/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | D042 | 2.0 | 0.10 | 0.0038 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.050 | 0.0061 | mg/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | D030 | 0.13 | 0.10 | 0.013 | mg/l | |
| 118-74-1 | Hexachlorobenzene | ND | D032 | 0.13 | 0.050 | 0.0016 | mg/l | |
| 87-68-3 | Hexachlorobutadiene | ND | D033 | 0.50 | 0.050 | 0.0061 | mg/l | |
| 67-72-1 | Hexachloroethane | ND | D034 | 3.0 | 0.050 | 0.0043 | mg/l | |
| 98-95-3 | Nitrobenzene | ND | D036 | 2.0 | 0.050 | 0.0031 | mg/l | |
| 110-86-1 | Pyridine | ND | D038 | 5.0 | 0.10 | 0.0050 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 37% | | 15-110% |
| 4165-62-2 | Phenol-d5 | 22% | | 15-110% |
| 118-79-6 | 2,4,6-Tribromophenol | 82% | | 15-110% |
| 4165-60-0 | Nitrobenzene-d5 | 49% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 56% | | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 70% | | 30-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: 143071-WDC-002 | | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3035-2A | | Date Received: 08/24/11 |
| Matrix: SO - Soil | | Percent Solids: 91.7 |
| Method: SW846 8151 SW846 3510C | | |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BK5429.D | 1 | 09/01/11 | AP | 08/29/11 | OP26091 | GBK227 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|---------|-------------------|--------|------|-----|-------|---------|-------|---|
| 94-75-7 | 2,4-D | ND | D016 | 10 | 0.010 | 0.0014 | mg/l | |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | D017 | 1.0 | 0.010 | 0.00062 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|----------------------|--------|--------|---------|
| 19719-28-9 | 2,4-DCAA | 71% | | 30-150% |
| 19719-28-9 | 2,4-DCAA | 80% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: 143071-WDC-002 | | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3035-2A | | Date Received: 08/24/11 |
| Matrix: SO - Soil | | Percent Solids: 91.7 |
| Method: SW846 8081 SW846 3510C | | |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | YZ67496.D | 1 | 08/31/11 | CZ | 08/29/11 | OP26090 | GYZ6483 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|------------|---------------------|--------|------|--------|---------|----------|-------|---|
| 58-89-9 | gamma-BHC (Lindane) | ND | D013 | 0.40 | 0.00050 | 0.00013 | mg/l | |
| 12789-03-6 | Chlordane | ND | D020 | 0.030 | 0.0050 | 0.0024 | mg/l | |
| 72-20-8 | Endrin | ND | D012 | 0.020 | 0.00050 | 0.00017 | mg/l | |
| 76-44-8 | Heptachlor | ND | D031 | 0.0080 | 0.00050 | 0.00017 | mg/l | |
| 1024-57-3 | Heptachlor epoxide | ND | D031 | 0.0080 | 0.00050 | 0.000094 | mg/l | |
| 72-43-5 | Methoxychlor | ND | D014 | 10 | 0.00050 | 0.00020 | mg/l | |
| 8001-35-2 | Toxaphene | ND | D015 | 0.50 | 0.025 | 0.0015 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 66% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 70% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 59% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 60% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: 143071-WDC-002 | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3035-2A | Date Received: 08/24/11 |
| Matrix: SO - Soil | Percent Solids: 91.7 |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

Metals Analysis, TCLP Leachate SW846 1311

| Analyte | Result | HW# | MCL | RL | MDL | Units | DF | Prep | Analyzed By | Method |
|----------|------------|------|------|---------|----------|-------|----|----------|-------------|--------------------------|
| Arsenic | 0.0034 B | D004 | 5.0 | 0.010 | 0.0011 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Barium | 0.11 B | D005 | 100 | 0.50 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Cadmium | 0.00018 U | D006 | 1.0 | 0.0040 | 0.00018 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Chromium | 0.00070 B | D007 | 5.0 | 0.010 | 0.00066 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Lead | 0.0014 U | D008 | 5.0 | 0.010 | 0.0014 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Mercury | 0.000029 U | D009 | 0.20 | 0.00020 | 0.000029 | mg/l | 1 | 08/26/11 | 08/26/11 MA | SW846 7470A ¹ |
| Selenium | 0.024 B | D010 | 1.0 | 0.025 | 0.0021 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Silver | 0.0010 U | D011 | 5.0 | 0.0050 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |

- (1) Instrument QC Batch: MA13319
- (2) Instrument QC Batch: MA13324
- (3) Prep QC Batch: MP17623
- (4) Prep QC Batch: MP17630

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
 MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Report of Analysis

Page 1 of 2

| | | | |
|--------------------------|----------------|---|----------|
| Client Sample ID: | 143071-WDC-003 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3035-3 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 83.3 |
| Method: | SW846 8260B | Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V1504.D | 1 | 08/30/11 | AMY | n/a | n/a | MSV62 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.02 g | 5.0 ml |
| Run #2 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------------|--------|------|-------|-------|---|
| 67-64-1 | Acetone | ND | 4.3 | 0.99 | ug/kg | |
| 71-43-2 | Benzene | ND | 0.43 | 0.11 | ug/kg | |
| 75-27-4 | Bromodichloromethane | ND | 1.7 | 0.18 | ug/kg | |
| 75-25-2 | Bromoform | ND | 1.7 | 0.40 | ug/kg | |
| 74-83-9 | Bromomethane | ND | 1.7 | 0.58 | ug/kg | |
| 78-93-3 | 2-Butanone (MEK) | ND | 4.3 | 1.0 | ug/kg | |
| 75-15-0 | Carbon disulfide | ND | 4.3 | 0.83 | ug/kg | |
| 56-23-5 | Carbon tetrachloride | ND | 1.7 | 0.19 | ug/kg | |
| 108-90-7 | Chlorobenzene | ND | 1.7 | 0.080 | ug/kg | |
| 75-00-3 | Chloroethane | ND | 4.3 | 0.22 | ug/kg | |
| 67-66-3 | Chloroform | ND | 1.7 | 0.13 | ug/kg | |
| 74-87-3 | Chloromethane | ND | 4.3 | 0.18 | ug/kg | |
| 124-48-1 | Dibromochloromethane | ND | 1.7 | 0.56 | ug/kg | |
| 75-34-3 | 1,1-Dichloroethane | ND | 1.7 | 0.13 | ug/kg | |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.7 | 0.12 | ug/kg | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.7 | 0.27 | ug/kg | |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 1.7 | 0.23 | ug/kg | |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 1.7 | 0.22 | ug/kg | |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.7 | 0.19 | ug/kg | |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 1.7 | 0.85 | ug/kg | |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 1.7 | 0.59 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.7 | 0.11 | ug/kg | |
| 591-78-6 | 2-Hexanone | ND | 4.3 | 0.90 | ug/kg | |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | ND | 4.3 | 0.72 | ug/kg | |
| 75-09-2 | Methylene chloride | ND | 1.7 | 0.31 | ug/kg | |
| 100-42-5 | Styrene | ND | 4.3 | 0.43 | ug/kg | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 1.7 | 0.15 | ug/kg | |
| 127-18-4 | Tetrachloroethene | 0.72 | 1.7 | 0.14 | ug/kg | J |
| 108-88-3 | Toluene | ND | 4.3 | 0.15 | ug/kg | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 1.7 | 0.16 | ug/kg | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.7 | 0.22 | ug/kg | |
| 79-01-6 | Trichloroethene | 1.7 | 1.7 | 0.17 | ug/kg | |

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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

VOA TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 75-01-4 | Vinyl chloride | ND | 1.7 | 0.55 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 1.7 | 0.11 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 91% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 90% | | 70-130% |

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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26768.D | 1 | 08/31/11 | PR | 08/26/11 | OP26062 | MSS1151 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.8 g | 1.0 ml |
| Run #2 | | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-----------------------------|--------|------|-----|-------|---|
| 95-57-8 | 2-Chlorophenol | ND | 290 | 15 | ug/kg | |
| 59-50-7 | 4-Chloro-3-methyl phenol | ND | 580 | 20 | ug/kg | |
| 120-83-2 | 2,4-Dichlorophenol | ND | 580 | 34 | ug/kg | |
| 105-67-9 | 2,4-Dimethylphenol | ND | 580 | 58 | ug/kg | |
| 51-28-5 | 2,4-Dinitrophenol | ND | 1200 | 290 | ug/kg | |
| 534-52-1 | 4,6-Dinitro-o-cresol | ND | 580 | 290 | ug/kg | |
| 95-48-7 | 2-Methylphenol | ND | 580 | 16 | ug/kg | |
| | 3&4-Methylphenol | ND | 580 | 31 | ug/kg | |
| 88-75-5 | 2-Nitrophenol | ND | 580 | 35 | ug/kg | |
| 100-02-7 | 4-Nitrophenol | ND | 1200 | 290 | ug/kg | |
| 87-86-5 | Pentachlorophenol | ND | 580 | 54 | ug/kg | |
| 108-95-2 | Phenol | ND | 290 | 48 | ug/kg | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | 580 | 43 | ug/kg | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | 580 | 40 | ug/kg | |
| 83-32-9 | Acenaphthene | ND | 290 | 24 | ug/kg | |
| 208-96-8 | Acenaphthylene | ND | 290 | 22 | ug/kg | |
| 120-12-7 | Anthracene | ND | 290 | 23 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 290 | 11 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 290 | 17 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 290 | 34 | ug/kg | |
| 191-24-2 | Benzo(g,h,i)perylene | ND | 290 | 19 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 290 | 8.5 | ug/kg | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | 290 | 23 | ug/kg | |
| 85-68-7 | Butyl benzyl phthalate | ND | 290 | 12 | ug/kg | |
| 91-58-7 | 2-Chloronaphthalene | ND | 290 | 24 | ug/kg | |
| 106-47-8 | 4-Chloroaniline | ND | 580 | 140 | ug/kg | |
| 86-74-8 | Carbazole | ND | 290 | 23 | ug/kg | |
| 218-01-9 | Chrysene | ND | 290 | 9.4 | ug/kg | |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | 290 | 22 | ug/kg | |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | 290 | 6.2 | ug/kg | |
| 108-60-1 | bis(2-Chloroisopropyl)ether | ND | 290 | 27 | ug/kg | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | 290 | 26 | ug/kg | |

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: | 143071-WDC-003 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3035-3 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 83.3 |
| Method: | SW846 8270C SW846 3546 | Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

ABN TCL List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------------|--------|-----|-----|-------|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | 290 | 23 | ug/kg | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 290 | 24 | ug/kg | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 290 | 24 | ug/kg | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | 580 | 140 | ug/kg | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | 580 | 28 | ug/kg | |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | 290 | 6.9 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 290 | 19 | ug/kg | |
| 132-64-9 | Dibenzofuran | ND | 290 | 25 | ug/kg | |
| 84-74-2 | Di-n-butyl phthalate | ND | 290 | 26 | ug/kg | |
| 117-84-0 | Di-n-octyl phthalate | ND | 290 | 15 | ug/kg | |
| 84-66-2 | Diethyl phthalate | ND | 290 | 25 | ug/kg | |
| 131-11-3 | Dimethyl phthalate | ND | 290 | 20 | ug/kg | |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | 290 | 20 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 290 | 9.8 | ug/kg | |
| 86-73-7 | Fluorene | ND | 290 | 6.3 | ug/kg | |
| 118-74-1 | Hexachlorobenzene | ND | 290 | 25 | ug/kg | |
| 87-68-3 | Hexachlorobutadiene | ND | 290 | 23 | ug/kg | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | 580 | 3.9 | ug/kg | |
| 67-72-1 | Hexachloroethane | ND | 290 | 23 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 290 | 18 | ug/kg | |
| 78-59-1 | Isophorone | ND | 290 | 29 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 290 | 24 | ug/kg | |
| 88-74-4 | 2-Nitroaniline | ND | 580 | 140 | ug/kg | |
| 99-09-2 | 3-Nitroaniline | ND | 580 | 140 | ug/kg | |
| 100-01-6 | 4-Nitroaniline | ND | 580 | 21 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 290 | 6.7 | ug/kg | |
| 98-95-3 | Nitrobenzene | ND | 290 | 8.5 | ug/kg | |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | 290 | 18 | ug/kg | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | 290 | 15 | ug/kg | |
| 85-01-8 | Phenanthrene | ND | 290 | 7.4 | ug/kg | |
| 129-00-0 | Pyrene | ND | 290 | 9.3 | ug/kg | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 290 | 25 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 37% | | 30-130% |
| 4165-62-2 | Phenol-d5 | 57% | | 30-130% |
| 118-79-6 | 2,4,6-Tribromophenol | 34% | | 30-130% |
| 4165-60-0 | Nitrobenzene-d5 | 64% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 84% | | 30-130% |

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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3 | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3546 | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

ABN TCL List

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1718-51-0 | Terphenyl-d14 | 92% | | 30-130% |

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: 143071-WDC-003 | |
| Lab Sample ID: MC3035-3 | Date Sampled: 08/24/11 |
| Matrix: SO - Soil | Date Received: 08/24/11 |
| Method: SW846 8015 | Percent Solids: 83.3 |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BH23522.D | 1 | 08/29/11 | AF | n/a | n/a | GBH1293 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 13.2 g | 10.0 ml | 100 ul |
| Run #2 | | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|----------------------|--------|--------|---------|-------|---|
| | TPH-GRO (VOA) | ND | 5.6 | 4.0 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 615-59-8 | 2,5-Dibromotoluene | 85% | | 36-148% | | |

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: 143071-WDC-003 | | Date Sampled: 08/24/11 |
| Lab Sample ID: MC3035-3 | | Date Received: 08/24/11 |
| Matrix: SO - Soil | | Percent Solids: 83.3 |
| Method: SW846 8082 SW846 3545 | | |
| Project: Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BB37903.D | 1 | 08/29/11 | CZ | 08/25/11 | OP26047 | GBB2379 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.3 g | 10.0 ml |
| Run #2 | | |

PCB List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|--------------|--------|-----|-----|-------|---|
| 12674-11-2 | Aroclor 1016 | ND | 120 | 16 | ug/kg | |
| 11104-28-2 | Aroclor 1221 | ND | 120 | 17 | ug/kg | |
| 11141-16-5 | Aroclor 1232 | ND | 120 | 23 | ug/kg | |
| 53469-21-9 | Aroclor 1242 | ND | 120 | 8.0 | ug/kg | |
| 12672-29-6 | Aroclor 1248 | ND | 120 | 3.1 | ug/kg | |
| 11097-69-1 | Aroclor 1254 | ND | 120 | 18 | ug/kg | |
| 11096-82-5 | Aroclor 1260 | ND | 120 | 4.5 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 92% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 97% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 72% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 86% | | 30-150% |

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: | 143071-WDC-003 | |
| Lab Sample ID: | MC3035-3 | Date Sampled: 08/24/11 |
| Matrix: | SO - Soil | Date Received: 08/24/11 |
| Method: | SW846-8015 SW846 3545 | Percent Solids: 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07,Calf Pasture Point. Task Order WE33 | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BG30589.D | 1 | 08/30/11 | KD | 08/26/11 | OP26060 | GBG1081 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 15.3 g | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------------|--------|--------|---------|-------|---|
| | TPH-DRO (Semi-VOA) | ND | 20 | 14 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 3386-33-2 | 1-Chlorooctadecane | 31% | | 24-147% | | |

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: | 143071-WDC-003 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3035-3 | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---------------------------|--------|------|--------|----|----------------|----|------------------|
| Corrosivity as pH | 12.1 | | | 1 | 08/25/11 | MA | SW846 CHAP7 |
| Cyanide | < 0.14 | 0.14 | mg/kg | 1 | 08/27/11 20:45 | MA | SW846 9012 M |
| Ignitability (Flashpoint) | > 230 | | Deg. F | 1 | 08/25/11 | BF | SW846 1020 |
| Solids, Percent | 83.3 | | % | 1 | 08/25/11 | HS | SM21 2540 B MOD. |
| Sulfide | < 4.8 | 4.8 | mg/kg | 1 | 08/26/11 | BF | SM21 4500S F MOD |

RL = Reporting Limit

Report of Analysis

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3A | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8260B SW846 1311 | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|-----|----------|----|-----------|------------|------------------|
| Run #1 | L56464.D | 100 | 08/30/11 | EK | 08/26/11 | GP13414 | MSL1886 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|----------------------|--------|------|------|-------|-------|-------|---|
| 71-43-2 | Benzene | ND | D018 | 0.50 | 0.050 | 0.046 | mg/l | |
| 78-93-3 | 2-Butanone (MEK) | ND | D035 | 200 | 0.50 | 0.27 | mg/l | |
| 56-23-5 | Carbon tetrachloride | ND | D019 | 0.50 | 0.10 | 0.058 | mg/l | |
| 108-90-7 | Chlorobenzene | ND | D021 | 100 | 0.10 | 0.044 | mg/l | |
| 67-66-3 | Chloroform | ND | D022 | 6.0 | 0.10 | 0.058 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.10 | 0.042 | mg/l | |
| 107-06-2 | 1,2-Dichloroethane | ND | D028 | 0.50 | 0.10 | 0.044 | mg/l | |
| 75-35-4 | 1,1-Dichloroethene | ND | D029 | 0.70 | 0.10 | 0.080 | mg/l | |
| 127-18-4 | Tetrachloroethene | ND | D039 | 0.70 | 0.10 | 0.036 | mg/l | |
| 79-01-6 | Trichloroethene | ND | D040 | 0.50 | 0.10 | 0.075 | mg/l | |
| 75-01-4 | Vinyl chloride | ND | D043 | 0.20 | 0.10 | 0.083 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 111% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 96% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3A | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8270C SW846 3510C | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | S26784.D | 1 | 08/31/11 | KR | 08/29/11 | OP26087 | MSS1152 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 1.0 ml |
| Run #2 | | |

ABN TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|----------|-----------------------|--------|------|------|-------|--------|-------|---|
| 95-48-7 | 2-Methylphenol | ND | D023 | 200 | 0.10 | 0.0048 | mg/l | |
| | 3&4-Methylphenol | ND | D024 | 200 | 0.10 | 0.0063 | mg/l | |
| 87-86-5 | Pentachlorophenol | ND | D037 | 100 | 0.10 | 0.033 | mg/l | |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | D041 | 400 | 0.10 | 0.0040 | mg/l | |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | D042 | 2.0 | 0.10 | 0.0038 | mg/l | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | D027 | 7.5 | 0.050 | 0.0061 | mg/l | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | D030 | 0.13 | 0.10 | 0.013 | mg/l | |
| 118-74-1 | Hexachlorobenzene | ND | D032 | 0.13 | 0.050 | 0.0016 | mg/l | |
| 87-68-3 | Hexachlorobutadiene | ND | D033 | 0.50 | 0.050 | 0.0061 | mg/l | |
| 67-72-1 | Hexachloroethane | ND | D034 | 3.0 | 0.050 | 0.0043 | mg/l | |
| 98-95-3 | Nitrobenzene | ND | D036 | 2.0 | 0.050 | 0.0031 | mg/l | |
| 110-86-1 | Pyridine | ND | D038 | 5.0 | 0.10 | 0.0050 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 367-12-4 | 2-Fluorophenol | 43% | | 15-110% |
| 4165-62-2 | Phenol-d5 | 26% | | 15-110% |
| 118-79-6 | 2,4,6-Tribromophenol | 95% | | 15-110% |
| 4165-60-0 | Nitrobenzene-d5 | 64% | | 30-130% |
| 321-60-8 | 2-Fluorobiphenyl | 76% | | 30-130% |
| 1718-51-0 | Terphenyl-d14 | 91% | | 30-130% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3A | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8151 SW846 3510C | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | BK5430.D | 1 | 09/01/11 | AP | 08/29/11 | OP26091 | GBK227 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|---------|-------------------|--------|------|-----|-------|---------|-------|---|
| 94-75-7 | 2,4-D | ND | D016 | 10 | 0.010 | 0.0014 | mg/l | |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | D017 | 1.0 | 0.010 | 0.00062 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|----------------------|--------|--------|---------|
| 19719-28-9 | 2,4-DCAA | 71% | | 30-150% |
| 19719-28-9 | 2,4-DCAA | 85% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-003 | | |
| Lab Sample ID: | MC3035-3A | Date Sampled: | 08/24/11 |
| Matrix: | SO - Soil | Date Received: | 08/24/11 |
| Method: | SW846 8081 SW846 3510C | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | YZ67495.D | 1 | 08/31/11 | CZ | 08/29/11 | OP26090 | GYZ6483 |
| Run #2 | | | | | | | |

| | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 100 ml | 5.0 ml |
| Run #2 | | |

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

| CAS No. | Compound | Result | HW# | MCL | RL | MDL | Units | Q |
|------------|---------------------|--------|------|--------|---------|----------|-------|---|
| 58-89-9 | gamma-BHC (Lindane) | ND | D013 | 0.40 | 0.00050 | 0.00013 | mg/l | |
| 12789-03-6 | Chlordane | ND | D020 | 0.030 | 0.0050 | 0.0024 | mg/l | |
| 72-20-8 | Endrin | ND | D012 | 0.020 | 0.00050 | 0.00017 | mg/l | |
| 76-44-8 | Heptachlor | ND | D031 | 0.0080 | 0.00050 | 0.00017 | mg/l | |
| 1024-57-3 | Heptachlor epoxide | ND | D031 | 0.0080 | 0.00050 | 0.000094 | mg/l | |
| 72-43-5 | Methoxychlor | ND | D014 | 10 | 0.00050 | 0.00020 | mg/l | |
| 8001-35-2 | Toxaphene | ND | D015 | 0.50 | 0.025 | 0.0015 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 877-09-8 | Tetrachloro-m-xylene | 60% | | 30-150% |
| 877-09-8 | Tetrachloro-m-xylene | 61% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 65% | | 30-150% |
| 2051-24-3 | Decachlorobiphenyl | 59% | | 30-150% |

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
MCL = Maximum Contamination Level (40 CFR 261 6/96) 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: | 143071-WDC-003 | Date Sampled: | 08/24/11 |
| Lab Sample ID: | MC3035-3A | Date Received: | 08/24/11 |
| Matrix: | SO - Soil | Percent Solids: | 83.3 |
| Project: | Disposal Samples NCBC Davisville Site 07, Calf Pasture Point. Task Order WE33 | | |

Metals Analysis, TCLP Leachate SW846 1311

| Analyte | Result | HW# | MCL | RL | MDL | Units | DF | Prep | Analyzed By | Method |
|----------|------------|------|------|---------|----------|-------|----|----------|-------------|--------------------------|
| Arsenic | 0.0011 U | D004 | 5.0 | 0.010 | 0.0011 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Barium | 0.055 B | D005 | 100 | 0.50 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Cadmium | 0.00018 U | D006 | 1.0 | 0.0040 | 0.00018 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Chromium | 0.033 | D007 | 5.0 | 0.010 | 0.00066 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Lead | 0.0071 B | D008 | 5.0 | 0.010 | 0.0014 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Mercury | 0.000029 U | D009 | 0.20 | 0.00020 | 0.000029 | mg/l | 1 | 08/26/11 | 08/26/11 MA | SW846 7470A ¹ |
| Selenium | 0.030 | D010 | 1.0 | 0.025 | 0.0021 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |
| Silver | 0.0010 U | D011 | 5.0 | 0.0050 | 0.0010 | mg/l | 1 | 08/26/11 | 08/26/11 DA | SW846 6010C ² |

- (1) Instrument QC Batch: MA13319
- (2) Instrument QC Batch: MA13324
- (3) Prep QC Batch: MP17623
- (4) Prep QC Batch: MP17630

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) B = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (RI)
- Chain of Custody

CHAIN-OF-CUSTODY RECORD

MC3035
 COC Number: 143071-Date
 Purchase Order Number: 

SHAW Environmental & Infrastructure, Inc.

| SHAW Environmental & Infrastructure, INC. - 500 E. Main Street, Suite 1630, Norfolk, VA 23510 - (757) 363-7190 | | | | Lab Receiving Address: 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452 | | | | Analysis Desired | | | |
|--|---------------------------|---------------------------------------|------|--|---|--|--|--|---|----------------------------|---|
| Global General Services | | | | 195 S. Rosemont Road, Suite 118, Virginia Beach, VA 23452 | | | | Full TCLP by SW-846 (TCLP Vocs, TCLP SVOCs, TCLP Herb, TCLP Metals, TCLP Pest) | | | |
| Project Name: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 | | | | Sample Location: Disposal Samples | | | | Ignitability, Corrosivity by SW-846 | | | |
| Project Number: 143071 | | SHAW Contact: Natasha Kelley Sullivan | | SHAW Contact Number: (410)529-7598 | | PCBs by SW-846 8082 | | TBN DROGRO - SW-846 8015M | | Total Cyanide SW-846 9012 | |
| Client Rep: NAVY | | Project Manager: Mark Pisarcik | | | | SW-846 5035/8260B | | TCL Vials/ies SW-846 8270D | | Total Sulfide SM19 4005-RF | |
| Item No. | Sample Number | Date | Time | Matrix | Sample Description | Number of Containers | | | | | |
| 1 | 143071-WDC-001 | 8/23/11 | 1530 | Soil | 5 pt composite sample from depth 0-2ft | 1-950 ml soil jar (No Preservative), 2-40 ml vials (10ML MeOH), 2-40 ml vva vials (Sodium Bisulfate) | X | X | X | X | X |
| 2 | 143071-WDC-002 | 8/24/11 | 1015 | Soil | 5 pt composite sample from depth 2-4 ft | 1-950 ml soil jar (No Preservative), 2-40 ml vials (10ML MeOH), 2-40 ml vva vials (Sodium Bisulfate) | X | X | X | X | X |
| 3 | 143071-WDC-003 | 8/24/11 | 1030 | Soil | 5 pt composite sample from depth 4-6 ft | 1-950 ml soil jar (No Preservative), 2-40 ml vials (10ML MeOH), 2-40 ml vva vials (Sodium Bisulfate) | X | X | X | X | X |
| 4 | | | | Soil | | 1-950 ml soil jar (No Preservative), 2-40 ml vials (10ML MeOH), 2-40 ml vva vials (Sodium Bisulfate) | X | X | X | X | X |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| Turnaround Time Required: <input type="checkbox"/> 7 Day TAT | | | | Sampled By: Sheila Barry, SHAW | | | | COMMENTS: VSC, 10035 | | | |
| Transfer Number | Transfers Relinquished By | Date | Time | Transfers Accepted By | Date | Time | Remarks | | | | |
| 1 | <i>[Signature]</i> | 8/24/11 | 1600 | <i>[Signature]</i> | | | Summary Report | | | | |
| 2 | <i>[Signature]</i> | 8-24-11 | 1745 | <i>[Signature]</i> | | | Deliverables: EDD Excel | | | | |
| 3 | | | | | | | *** Fax results to Natasha Sullivan (410) 529-75 | | | | |

23°C

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3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC3035

Client: SHAW

Immediate Client Services Action Required: No

Date / Time Received: 8/24/2011

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

| <u>Cooler Security</u> | <u>Y or N</u> | | <u>Y or N</u> | <u>Y or N</u> | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. SmpI Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Cooler Temperature</u> | <u>Y or N</u> | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

| <u>Quality Control Preservatio</u> | <u>Y or N</u> | | <u>N/A</u> |
|------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved property: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> | <u>Y or N</u> | |
|---|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Sample Integrity - Condition</u> | <u>Y or N</u> | |
|-------------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

| <u>Sample Integrity - Instructions</u> | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|---|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

3.1
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APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORT

D5 – Confirmation Round 1 Validation Report

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MEMORANDUM

TO: Mark Pisarcik, NCBC Davisville Site 07, Shaw Project Manager
 Natasha Sullivan, NCBC Davisville Site 07, Shaw Program Chemist

FROM: Philip Conley, Shaw Project Chemist

SUBJECT: NCBC Davisville Data Validation – VOCs
 Accutest Laboratories, Inc., SDG MC4387

DATE: November 4, 2011

The purpose of this memorandum is to present the data validation report for the samples collected for the NCBC Davisville Site 07 project on October 6, 2011. The samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) using USEPA SW846 Method 5035/8260B for soil matrices. A total of eighteen (18) soil samples and one trip blank were validated. The samples IDs are:

| Field Sample ID | Lab Sample ID | Field Sample ID | Lab Sample ID |
|--------------------|---------------|--------------------|---------------|
| WE33-Sidewall-001 | MC4387-01 | WE33-Sidewall-002 | MC4387-02 |
| WE33-Sidewall-003 | MC4387-03 | WE33-Sidewall-004 | MC4387-04 |
| WE33-Sidewall-005 | MC4387-05 | WE33-Sidewall-006 | MC4387-06 |
| WE33-Sidewall-007 | MC4387-07 | WE33-Sidewall-008 | MC4387-08 |
| WE33-Sidewall-009 | MC4387-09 | WE33-Sidewall-010 | MC4387-10 |
| WE33-Sidewall-011 | MC4387-11 | WE33-Sidewall-012 | MC4387-12 |
| WE33-Sidewall-013 | MC4387-13 | WE33-Grab-014 | MC4387-14 |
| WE33-Grab-015 | MC4387-15 | WE33-Grab-016 | MC4387-16 |
| WE33-Duplicate-017 | MC4387-17 | WE33-Duplicate-018 | MC4387-18 |
| WE33-Tripblk-020 | MC4387-19 | | |

Tier II data review was performed by Philip Conley and data validated using a combination of project Quality Assurance Project Plan, DoD-QSM V4.2, Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, December 1996, and method-specific criteria and laboratory SOP criteria. 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 Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, December 1996 specifications.

Table 1 Laboratory Performance Criteria

| Qualified | | Parameter |
|------------------|-----------|---------------------------------------|
| Yes | No | |
| | X | Holding Times and Preservation |
| | X | Instrument Performance Results |
| | X | Initial Calibration |
| | X | Continuing Calibration |
| | X | Blank Analysis |
| X | | Laboratory Control Sample |
| X | | Matrix Spike / Spike Duplicate Sample |
| | X | System Monitoring Compounds |
| | X | Internal Standards |
| | X | Field Sample Duplicate |
| X | | Quantitation Verification |

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

Philip Conley, Chemist

November 4, 2011 _____

Date

**NCBC Davisville Site 07 VALIDATION REPORT
VOLATILES REVIEW
SDG MC4387**

I-Holding Times and Preservation

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. Holding time criteria: For volatile organic compound (VOC) soil samples, cooled @ $4^{\circ}\text{C}\pm 2^{\circ}\text{C}$; the maximum holding time is 14 days from sample collection to analysis.

- Temperature Review: The temperature blank was sent with each cooler and recorded by the laboratory upon receipt. For samples collected on 10/06/11, the cooler was received by the primary laboratory (Accutest Laboratories, Inc., Marlborough, MA) at 1.8°C . No qualifiers were applied.
- Holding Time Review: For the soil samples collected 10/06/11 the samples were analyzed on 10/17/11 and 10/18/11. For the trip blank collected on 10/06/11 the sample was analyzed on 10/16/11. 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.

- The instrument performance check, bromofluorobenzene (BFB), met the ion abundance criteria. 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 compounds reported. 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. For compounds analyzed using linear regression or second order, correlation coefficients must be >0.995 and coefficients of determination >0.99 . The RRF must be greater than 0.1 for chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The initial calibration percent relative standard deviation (%RSD) must be $\leq 15\%$ for each target compound and must be $\leq 30\%$ for each calibration check compound ($<30\%$ for CCCs). All detects are qualified as estimated "J" for where there were exceeding %RSDs, and all non-detects are qualified as estimated "UJ" for where there were grossly exceeding recoveries, unless determined to be unusable "R". Grossly exceeding is defined as $\%RSD > 90\%$. For where there were low RRFs, all detects are qualified as estimated "J" and non-detects are rejected "R".

- For initial calibration performed on 10/07/11 on instrument MAMSN, all %RSD and RRF criteria were met. No qualifiers were applied. Sample WE33-Tripblk-019 was analyzed using this initial calibration.
- For initial calibration performed on 10/16/11 on instrument GCMSV, all %RSD and RRF criteria were met. No qualifiers were applied. All soil samples 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 standards containing both target and surrogates compounds are analyzed at the beginning of each 12-hour analysis period following the analysis of the instrument performance check and prior to the analysis of blanks and samples. The RRF must be greater than 0.1 for chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The minimum relative response factor (RRF) must be ≥ 0.05 for all other compounds. The percent difference (%D) between the initial calibration RRF and the continuing calibration RRF must be within 20% for all target compounds. Grossly exceeding is defined where $\%D > 90\%$. All detects are qualified as estimated "J" for where there were exceeding %Ds, and all non-detects are qualified as estimated "UJ" for where there were grossly exceeding recoveries, unless determined to be unusable "R". For where there were low RRFs, all detects are qualified as estimated "J" and non-detects are rejected "R".

- For initial calibration verification performed on 10/07/11 @1530 on instrument MAMSN, all target compounds were within criteria ($\%D \leq 20\%$). No samples directly apply to this initial calibration verification.
- For continuing calibration performed on 10/15/11 @1727 on instrument MAMSN, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). Sample WE33-Tripblk-020 applies to this continuing calibration.
- For initial calibration verification performed on 10/17/11 @0916 on instrument GCMSV, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). Samples WE33-Sidewall-002, WE33-Sidewall-003, WE33-Sidewall-004, WE33-Sidewall-005, WE33-Sidewall-009, and WE33-GRAB-014 apply to this initial calibration verification.
- For continuing calibration performed on 10/17/11 @2052 on instrument GCMSV, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). Samples WE33-Sidewall-010, WE33-Sidewall-011, WE33-Sidewall-012, WE33-Sidewall-013, WE33-Grab-015, WE33-Grab-016, WE33-Duplicate-017, WE33-Duplicate-018, WE33-Sidewall-001, WE33-Sidewall-006, WE33-Sidewall-007, and WE33-Sidewall-008 apply to 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 12-hour time period beginning with the injection of BFB. No contaminants should be detected in any of the associated blanks $>$ the LOD. Positive sample results are reported and qualified "U", if the concentration of the compound in the sample is ≤ 10 times (10x) the maximum amount in any blank for the common laboratory contaminants methylene chloride, acetone, and 2-butanone (MEK), or 5 times (5X) the maximum amount for other volatile target compounds. **Table 2** summarizes the blank contamination analysis. Action levels are based upon dilution factor of one, 100% solids, when converted to soil values

Table 2 Blank Contamination Analysis Summary

| Analysis Date | QC Blank ID | Compound | Max Conc. $\mu\text{g}/\text{kg}$ or $\mu\text{g}/\text{l}$ | Action Level $\mu\text{g}/\text{kg}$ or $\mu\text{g}/\text{l}$ | U Qualified samples |
|---------------|------------------|--------------------|---|--|---------------------|
| 10/15/11 | MSN2108-MB | All compounds <LOD | NA | NA | None |
| 10/17/11 | MSV112-MB | All compounds <LOD | NA | NA | None |
| 10/17/11 | MSV114-MB | All compounds <LOD | NA | NA | None |
| 10/16/11 | WE33-Tripblk-020 | All compounds <LOD | NA | NA | None |

NA = Not Applicable
LOD = Limit of Detection

VI-System Monitoring Compounds (Surrogates)

Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. Surrogate spikes are added to all samples and blanks to measure their recovery in sample and blank matrices. The percent recoveries (%Rs) must be within the specified control limits.

Criteria – Soil analyses:

| | |
|----------------------|---|
| 4-Bromofluoromethane | Soil: (85-120%) DoD QSM v4.2 |
| Toluene-d8 | Soil: (85-115%) DoD QSM v4.2 |
| Dibromofluoromethane | Soil: (70-130%) Accutest limits (DoD QSM – N/A) |

Aqueous analyses:

| | |
|----------------------|------------------------------|
| 4-Bromofluoromethane | Soil: (75-120%) DoD QSM v4.2 |
| Toluene-d8 | Soil: (85-120%) DoD QSM v4.2 |
| Dibromofluoromethane | Soil: (85-115%) DoD QSM v4.2 |

- 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. Specific criteria include: area counts (-50% to +100%) of the associated calibration standard, and retention time (± 30 seconds) from that of the associated calibration standard.

- All criteria were met. No qualifiers were applied.

VIII-Laboratory Control Sample

Laboratory control samples (LCS) are used to monitor accuracy by calculating the percent recoveries of the spiked compounds. All LCS percent recoveries must be within the specified control limits. The list of analytes reported are project specific therefore marginal exceedances (ME) do not apply.

- Sample MSV112-BS was used as the LCS for the VOC analysis on 10/17/11. The recovery for 1,1,2,2-tetrachloroethane is above (high bias) the DoD-QSM v4.2 criteria. This is defined by DoD as a LCS failure. There was no attempt by Accutest to re-prepare and re-analyze the samples. All soil results were non-detect above the reporting limit. No qualifiers were applied. Samples WE33-Sidewall-002, WE33-Sidewall-003, WE33-Sidewall-004, WE33-Sidewall-005, WE33-Sidewall-009, and WE33-GRAB-014 apply to this LCS.
- Sample MSV114-BS was used as the LCS for the VOC analysis on 10/17/11. The recoveries for 1,1,2,2-tetrachloroethane and 1,1,2-trichloroethane are above (high bias) the DoD-QSM v4.2 criteria. This is defined by DoD as a LCS failure. There was no attempt by Accutest to re-prepare and re-analyze the samples. All soil results were non-detect above the reporting limit. No qualifiers were applied. Samples WE33-Sidewall-010, WE33-Sidewall-011, WE33-Sidewall-012, WE33-Sidewall-013, WE33-Grab-015, WE33-Grab-016, WE33-Duplicate-017, WE33-Duplicate-018, WE33-Sidewall-001, WE33-Sidewall-006, WE33-Sidewall-007, and WE33-Sidewall-008 apply to this LCS.
- Sample MSN2108-BS/BSD was used as the LCS/LCSD for the VOC analysis on 10/15/11. All criteria were met. No qualifiers were applied. Sample WE33-Tripblk-020 applies to this LCS.

IX-Matrix Spike/Matrix Spike Duplicate

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The percent recoveries (%Rs) and the relative percent difference (RPD) must be within the specified control limits.

- Sample WE33-Duplicate-018 was used for the MS/MSD analysis. Recoveries for 1,1,2,2-tetrachloroethane and 1,1,2-trichloroethane were above (high bias) the DoD-QSM v4.2 criteria. See VIII-Laboratory Control Spike for additional details). All results are non-detect above the reporting limit. No qualifiers were applied. Samples WE33-Sidewall-010, WE33-Sidewall-011, WE33-Sidewall-012, WE33-Sidewall-013, WE33-Grab-015, WE33-Grab-016, WE33-Duplicate-017, WE33-Duplicate-018, WE33-Sidewall-001, WE33-Sidewall-006, WE33-Sidewall-007, and WE33-Sidewall-008 apply to this MS/MSD.

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 rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. Precision control criterion was established at 50% RPD for the aqueous samples. Analytical results were qualified as estimated (J) for any RPDs exceeding criteria.

- Sample WE33-Duplicate-017 is a field duplicate of sample WE33-Sidewall-010. Trichloroethene was detected in both samples. The RPD value was within acceptance limit. No qualifiers were applied.
- Sample WE33-Duplicate-018 is a field duplicate of sample WE33-Sidewall-015. All results were below reporting limit; therefore the duplicate comparison could not be evaluated. No qualifiers were applied.

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 sample value >MDL and <MRL or <3*MDL (whichever is greater) was qualified as estimated, "J."

- Any sample value >MDL and <MRL was qualified as estimated, "J"
- Chloroform was reported above the calibration range. A diluted result was not reported. The lab stated that multiple analyses indicated the sample matrix was not homogenous. The original reported result is several factors above the project action level. The result was qualified as estimated.

Laboratory and Data Validation Qualifiers

| Qualifier | Definition |
|--|---|
| Laboratory Qualifiers¹ | |
| 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. |
| N | Non-target analyte: the analyte is a tentatively identified compound (using mass spectroscopy). |
| Q | One or more quality control criteria failed. |
| USEPA Region I Data Validation Qualifiers² | |
| 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. |
| 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. |

¹The noted laboratory qualifiers are a minimum. If a laboratory has more and they are consistent with DoD and properly defined, the laboratory may use them. Data qualifiers may be combined when appropriate. Ref.: *DOD Quality Systems Manual for Environmental Laboratories, Final Version 4.2 (DoD, 2010)*.

²The USEPA data validation qualifiers are referenced from *USEPA Region I EPS-NE Data Validation Functional Guidelines, Part II, December 1996*.

Report of Analysis

| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-001 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-1 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 92.6 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2611.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.69 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.20 U | 0.40 | 0.20 | ug/kg | | |
| 67-66-3 | Chloroform | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-01-6 | Trichloroethene | 2.1 | 1.6 | 0.40 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-002 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-2 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 92.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2582.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.79 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.20 U | 0.40 | 0.20 | ug/kg | | |
| 67-66-3 | Chloroform ^a | 755 | 1.6 | 0.40 | ug/kg | E | J |
| 107-06-2 | 1,2-Dichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.40 U | 1.6 | 0.40 | ug/kg | | |
| 79-01-6 | Trichloroethene | 1.8 | 1.6 | 0.40 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

(a) Estimated value. Multiple analyses indicates non-homogeneity between sample bottles.

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-003 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-3 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2583.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.26 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-004 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-4 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2584.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.34 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 97% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-005 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-5 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2585.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.18 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.43 | 0.21 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-006 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-6 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 84.0 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2612.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.50 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.23 U | 0.46 | 0.23 | ug/kg | | |
| 67-66-3 | Chloroform | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.46 U | 1.8 | 0.46 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.8 U | 1.8 | 1.8 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-007 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-7 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 90.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2613.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.51 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.35 | 0.42 | 0.21 | ug/kg | J | J |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 111% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-008 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-8 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.4 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2614.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.22 U | 0.44 | 0.22 | ug/kg | | |
| 67-66-3 | Chloroform | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.44 U | 1.8 | 0.44 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.8 U | 1.8 | 1.8 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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: | WE33-SIDEWALL-009 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-9 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.7 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2589.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.43 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.41 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.41 U | 1.7 | 0.41 | ug/kg | | |
| 79-01-6 | Trichloroethene | 2.0 | 1.7 | 0.41 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-010 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-10 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.2 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2603.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.18 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.37 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.37 U | 1.5 | 0.37 | ug/kg | | |
| 79-01-6 | Trichloroethene | 4.7 | 1.5 | 0.37 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | | 70-130% |

U = Not detected LOD - Limit of Detection

LOQ = Limit of Quantitation

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: | WE33-SIDEWALL-011 | |
| Lab Sample ID: | MC4387-11 | Date Sampled: 10/06/11 |
| Matrix: | SO - Soil | Date Received: 10/07/11 |
| Method: | SW846 8260B | Percent Solids: 93.7 |
| Project: | NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2604.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.76 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.20 U | 0.39 | 0.20 | ug/kg | | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-01-6 | Trichloroethene | 2.5 | 1.6 | 0.39 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-012 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-12 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 96.3 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2605.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.21 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: WE33-SIDEWALL-013 | |
| Lab Sample ID: MC4387-13 | Date Sampled: 10/06/11 |
| Matrix: SO - Soil | Date Received: 10/07/11 |
| Method: SW846 8260B | Percent Solids: 92.4 |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2606.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.49 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 2.4 | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-GRAB-014 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-14 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 93.9 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2594.D | 1 | 10/17/11 | AMY | n/a | n/a | MSV112 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.21 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.43 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.43 U | 1.7 | 0.43 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 107% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-GRAB-015 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-15 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 95.1 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2607.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 4.29 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.31 U | 0.61 | 0.31 | ug/kg | | |
| 67-66-3 | Chloroform | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.61 U | 2.5 | 0.61 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 2.5 U | 2.5 | 2.5 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-GRAB-016 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-16 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 94.3 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2608.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.28 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.21 U | 0.42 | 0.21 | ug/kg | | |
| 67-66-3 | Chloroform | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.42 U | 1.7 | 0.42 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.7 U | 1.7 | 1.7 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: WE33-DUPLICATE-017 | | Date Sampled: 10/06/11 |
| Lab Sample ID: MC4387-17 | | Date Received: 10/07/11 |
| Matrix: SO - Soil | | Percent Solids: 93.0 |
| Method: SW846 8260B | | |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2609.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.04 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-01-6 | Trichloroethene | 4.3 | 1.5 | 0.38 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-DUPLICATE-018 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-18 | Date Received: | 10/07/11 |
| Matrix: | SO - Soil | Percent Solids: | 96.6 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V2610.D | 1 | 10/18/11 | AMY | n/a | n/a | MSV114 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.20 U | 0.41 | 0.20 | ug/kg | | |
| 67-66-3 | Chloroform | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.41 U | 1.6 | 0.41 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 110% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-TRIPBLK-20 | Date Sampled: | 10/06/11 |
| Lab Sample ID: | MC4387-19 | Date Received: | 10/07/11 |
| Matrix: | AQ - Trip Blank Water | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | N56201.D | 1 | 10/16/11 | DFT | n/a | n/a | MSN2108 |
| Run #2 | | | | | | | |

| Run #1 | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 94% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

APPENDIX D
LABORATORY ANALYTICAL DATA AND VALIDATION REPORTS

D6 – Confirmation Round 2 Validation Report

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Shaw Environmental, Inc.
16406 US 224 East
Findlay, OH 45840
419-425-6037
FAX: 419-425-6085



MEMORANDUM

TO: Mark Pisarcik, NCBC Davisville Site 07, Shaw Project Manager
Natasha Sullivan, NCBC Davisville Site 07, Shaw Program Chemist

FROM: Philip Conley, Shaw Project Chemist

SUBJECT: NCBC Davisville Data Validation – VOCs
Accutest Laboratories, Inc., SDG MC5183

DATE: November 29, 2011

The purpose of this memorandum is to present the data validation report for the samples collected for the NCBC Davisville Site 07 project on November 2, 2011. The samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) using USEPA SW846 Method 5035/8260B for soil matrices. A total of eighteen (18) soil samples and one trip blank were validated. The samples IDs are:

| Field Sample ID | Lab Sample ID | Field Sample ID | Lab Sample ID |
|-------------------|-----------------|-------------------|---------------|
| WE33-Sidewall-021 | MC5183-01 | WE33-Sidewall-022 | MC5183-02 |
| WE33-Sidewall-023 | MC5183-03 | WE33-Sidewall-024 | MC5183-04 |
| WE33-Sidewall-025 | MC5183-05 | WE33-FleidBlk-026 | MC5183-06 |
| WE33-TripBlk-027 | MC5183-07, -07A | WE33-Eblk-028 | MC5183-08 |

Tier II data review was performed by Philip Conley and data validated using a combination of project Quality Assurance Project Plan, DoD-QSM V4.2, Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, December 1996, and method-specific criteria and laboratory SOP criteria. 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 Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses, Part II, December 1996 specifications.

Table 1 Laboratory Performance Criteria

| Qualified | | Parameter |
|------------------|-----------|---------------------------------------|
| Yes | No | |
| | X | Holding Times and Preservation |
| | X | Instrument Performance Results |
| | X | Initial Calibration |
| | X | Continuing Calibration |
| | X | Blank Analysis |
| | X | Laboratory Control Sample |
| | X | Matrix Spike / Spike Duplicate Sample |
| | X | System Monitoring Compounds |
| | X | Internal Standards |
| | X | Field Sample Duplicate |
| | X | Quantitation Verification |

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

Philip Conley, Chemist

November 29, 2011 _____

Date

**NCBC Davisville Site 07 VALIDATION REPORT
VOLATILES REVIEW
SDG MC5183**

I-Holding Times and Preservation

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. Holding time criteria: For volatile organic compound (VOC) soil samples, cooled @ 4°C±2°C; the maximum holding time is 14 days from sample collection to analysis.

- Temperature Review: The temperature blank was sent with each cooler and recorded by the laboratory upon receipt. For samples collected on 11/02/11, the cooler was received by the primary laboratory (Accutest Laboratories, Inc., Marlborough, MA) at 2.1°C. No qualifiers were applied.
- Holding Time Review: For the soil samples collected 11/02/11 the samples were analyzed on 11/06/11. For the trip blank collected on 11/02/11 the sample was analyzed on 11/04/11. For the field blank and equipment blank collected on 11/02/11 the samples were analyzed on 11/07/11. 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.

- The instrument performance check, bromofluorobenzene (BFB), met the ion abundance criteria. 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 compounds reported. 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. For compounds analyzed using linear regression or second order, correlation coefficients must be >0.995 and coefficients of determination >0.99. The RRF must be greater than 0.1 for chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The initial calibration percent relative standard deviation (%RSD) must be ≤15% for each target compound and must be ≤30% for each calibration check compound (<30% for CCCs). All detects are qualified as estimated "J" for where there were exceeding %RSDs, and all non-detects are qualified as estimated "UJ" for where there were grossly exceeding recoveries, unless determined to be unusable "R". Grossly exceeding is defined as %RSD>90%. For where there were low RRFs, all detects are qualified as estimated "J" and non-detects are rejected "R".

- For initial calibration performed on 10/20/11 on instrument GCMSE, all %RSD and RRF criteria were met. No qualifiers were applied. Sample WE33-Tripblk-027 was analyzed using this initial calibration.
- For initial calibration performed on 11/04/11 on instrument GCMSR, all %RSD and RRF criteria were met, except for tetrachlorethene. Tetrachloroethene was calibrated using linear regression with r=1.0000. No qualifiers were applied. Samples WE33-Fieldblk-026 and WE33-Eblk-028 were analyzed using this initial calibration.
- For initial calibration performed on 10/24/11 on instrument GCMSV, all %RSD and RRF criteria were met. No qualifiers were applied. All soil samples 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 standards containing both target and surrogate compounds are analyzed at the beginning of each 12-hour analysis period following the analysis of the instrument performance check and prior to the analysis of blanks and samples. The RRF must be greater than 0.1 for chloromethane, 1,1-dichloroethane, and bromoform and greater than 0.3 for 1,1,2,2-tetrachloroethane and chlorobenzene. The minimum relative response factor (RRF) must be ≥ 0.05 for all other compounds. The percent difference (%D) between the initial calibration RRF and the continuing calibration RRF must be within 20% for all target compounds. Grossly exceeding is defined where $\%D > 90\%$. All detects are qualified as estimated "J" for where there were exceeding %Ds, and all non-detects are qualified as estimated "UJ" for where there were grossly exceeding recoveries, unless determined to be unusable "R". For where there were low RRFs, all detects are qualified as estimated "J" and non-detects are rejected "R".

- For initial calibration verification performed on 10/20/11 @1658 on instrument GCMSE, all target compounds were within criteria ($\%D \leq 20\%$). No samples directly apply to this initial calibration verification.
- For continuing calibration performed on 11/04/11 @1022 on instrument GCMSE, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). Sample WE33-Tripblk-027 applies to this continuing calibration.
- For initial calibration verification performed on 11/04/11 @2034 on instrument GCMSR, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). No samples directly apply to this initial calibration verification.
- For continuing calibration performed on 11/05/11 @1429 on instrument GCMSR, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). No samples apply to this continuing calibration.
- For continuing calibration performed on 11/06/11 @0152 on instrument GCMSR, target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$), except for vinyl chloride (24.9%). No samples apply to this continuing calibration. No qualifiers were applied.
- For continuing calibration performed on 11/07/11 @1232 on instrument GCMSR, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). Samples WE33-Fieldblk-026 and WE33-Eblk-028 apply to this continuing calibration.
- For initial calibration verification performed on 10/24/11 @1828 on instrument GCMSV, target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$), except 1,1,2,2-tetrachloroethane (30.4%). No samples directly apply to this initial calibration verification, however, the analyte linearity was not verified. All non-detect results are qualified as estimated below the reporting limit, UJ.
- For continuing calibration performed on 11/04/11 @0945 on instrument GCMSV, all target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$). No samples apply to this continuing calibration.
- For continuing calibration performed on 11/06/11 @1331 on instrument GCMSV, target compounds were within criteria ($\%D \leq 20\%$; $RRF \geq 0.05$), except for vinyl chloride (24.9%). All soil samples apply to this continuing calibration. No qualifiers were applied.

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 12-hour time period beginning with the injection of BFB. No contaminants should be detected in any of the associated blanks > the LOD. Positive sample results are reported and qualified "U", if the concentration of the compound in the sample is ≤10 times (10x) the maximum amount in any blank for the common laboratory contaminants methylene chloride, acetone, and 2-butanone (MEK), or 5 times (5X) the maximum amount for other volatile target compounds. **Table 2** summarizes the blank contamination analysis. Action levels are based upon dilution factor of one, 100% solids, when converted to soil values

Table 2 Blank Contamination Analysis Summary

| Analysis Date | QC Blank ID | Compound | Max Conc. µg/kg or µg/l | Action Level µg/kg or µg/l | U Qualified samples |
|---------------|-------------------|--------------------|-------------------------|----------------------------|---------------------|
| 11/04/11 | MSV136-MB | All compounds <LOD | NA | NA | None |
| 11/04/11 | MSE2276-MB | All compounds <LOD | NA | NA | None |
| 11/06/11 | MSV137-MB | All compounds <LOD | NA | NA | None |
| 11/07/11 | MSR901-MB3 | All compounds <LOD | NA | NA | None |
| 11/05/11 | MSR901-MB | All compounds <LOD | NA | NA | None |
| 11/06/11 | MSR901-MB2 | All compounds <LOD | NA | NA | None |
| 11/07/11 | WE33-Fieldblk-026 | All compounds <LOD | NA | NA | None |
| 11/07/11 | WE33-Eblk-028 | All compounds <LOD | NA | NA | None |
| 11/04/11 | WE33-Tripblk-027 | All compounds <LOD | NA | NA | None |

NA = Not Applicable
LOD = Limit of Detection

VI-System Monitoring Compounds (Surrogates)

Laboratory performance on individual samples is evaluated through the review of surrogate spike samples. Surrogate spikes are added to all samples and blanks to measure their recovery in sample and blank matrices. The percent recoveries (%Rs) must be within the specified control limits.

Criteria – Soil analyses:

| | |
|----------------------|---|
| 4-Bromofluoromethane | Soil: (85-120%) DoD QSM v4.2 |
| Toluene-d8 | Soil: (85-115%) DoD QSM v4.2 |
| Dibromofluoromethane | Soil: (70-130%) Accutest limits (DoD QSM – N/A) |

Aqueous analyses:

| | |
|----------------------|------------------------------|
| 4-Bromofluoromethane | Soil: (75-120%) DoD QSM v4.2 |
| Toluene-d8 | Soil: (85-120%) DoD QSM v4.2 |
| Dibromofluoromethane | Soil: (85-115%) DoD QSM v4.2 |

- 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. Specific criteria include: area counts (-50% to +100%) of the associated calibration standard, and retention time (± 30 seconds) from that of the associated calibration standard.

- All criteria were met. No qualifiers were applied.

VIII-Laboratory Control Sample

Laboratory control samples (LCS) are used to monitor accuracy by calculating the percent recoveries of the spiked compounds. All LCS percent recoveries must be within the specified control limits. The list of analytes reported are project specific therefore marginal exceedances (ME) do not apply.

- Sample MSV136-BS was used as the LCS for the VOC analysis on 11/04/11. All criteria were met. No qualifiers were applied. Samples WE33-Tripblk-027 methanol fraction applies to this LCS.
- Sample MSV137-BS was used as the LCS for the VOC analysis on 11/06/11. All criteria were met. No qualifiers were applied. All soil samples apply to this LCS.
- Sample MSR901-BS3 was used as the LCS for the VOC analysis on 11/07/11. All criteria were met. No qualifiers were applied. Samples WE33-Fieldblk-026 and WE33-Eblk-028 apply to this LCS.
- Sample MSE2276-BS/BSD were used as the LCS/LCSD for the VOC analysis on 11/04/11. All criteria were met. No qualifiers were applied. Samples WE33-Trpblk-027 applies to this LCS.

IX-Matrix Spike/Matrix Spike Duplicate

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The percent recoveries (%Rs) and the relative percent difference (RPD) must be within the specified control limits.

- Sample WE33-SIDEWALL-025 was used for the MS/MSD analysis. Recoveries for 1,1,2,2-tetrachloroethane were above (high bias) the DoD-QSM v4.2 criteria. All results are non-detect above the reporting limit. No qualifiers were applied. All soil samples apply to this MS/MSD.

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 rejected (R-qualified) in either sample of the duplicate pair were excluded from the duplicate assessment. Precision control criterion was established at 50% RPD for the aqueous samples. Analytical results were qualified as estimated (J) for any RPDs exceeding criteria.

- Sample WE33-Duplicate-022 is a field duplicate of sample WE33-Sidewall-021. Trichloroethene was detected in both samples. The RPD value was within acceptance limit. No qualifiers were applied.

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 sample value >MDL and <MRL or <3*MDL (whichever is greater) was qualified as estimated, "J."

- Any sample value >MDL and <MRL was qualified as estimated, "J".

Laboratory and Data Validation Qualifiers

| Qualifier | Definition |
|--|---|
| Laboratory Qualifiers¹ | |
| 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. |
| N | Non-target analyte: the analyte is a tentatively identified compound (using mass spectroscopy). |
| Q | One or more quality control criteria failed. |
| USEPA Region I Data Validation Qualifiers² | |
| 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. |
| 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. |

¹The noted laboratory qualifiers are a minimum. If a laboratory has more and they are consistent with DoD and properly defined, the laboratory may use them. Data qualifiers may be combined when appropriate. Ref.: *DOD Quality Systems Manual for Environmental Laboratories, Final Version 4.2 (DoD, 2010)*.

²The USEPA data validation qualifiers are referenced from *USEPA Region I EPS-NE Data Validation Functional Guidelines, Part II, December 1996*.

Report of Analysis

| | | | |
|--------------------------|-------------------|--|----------|
| Client Sample ID: | WE33-SIDEWALL-021 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-1 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 90.8 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3111.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.30 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-01-6 | Trichloroethene | 1.6 | 1.5 | 0.38 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 91% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: WE33-SIDEWALL-022 | | Date Sampled: 11/02/11 |
| Lab Sample ID: MC5183-2 | | Date Received: 11/03/11 |
| Matrix: SO - Soil | | Percent Solids: 91.3 |
| Method: SW846 8260B | | |
| Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3112.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 6.95 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.20 U | 0.39 | 0.20 | ug/kg | | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-01-6 | Trichloroethene | 2.1 | 1.6 | 0.39 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-023 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-3 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.1 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3113.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.21 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.39 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.39 U | 1.6 | 0.39 | ug/kg | | |
| 79-01-6 | Trichloroethene | 11.1 | 1.6 | 0.39 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.6 U | 1.6 | 1.6 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 103% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 92% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-024 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-4 | Date Received: | 11/03/11 |
| Matrix: | SO - Soil | Percent Solids: | 89.5 |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3114.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.39 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|-----------|---------------------------|--------|--------|---------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 24.3 | 1.5 | 0.38 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-01-6 | Trichloroethene | 3.4 | 1.5 | 0.38 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 109% | | 70-130% | | | |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% | | | |
| 460-00-4 | 4-Bromofluorobenzene | 94% | | 70-130% | | | |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-SIDEWALL-025 | |
| Lab Sample ID: | MC5183-5 | Date Sampled: 11/02/11 |
| Matrix: | SO - Soil | Date Received: 11/03/11 |
| Method: | SW846 8260B | Percent Solids: 91.5 |
| Project: | NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3110.D | 1 | 11/06/11 | AMY | n/a | n/a | MSV137 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 7.13 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.19 U | 0.38 | 0.19 | ug/kg | | |
| 67-66-3 | Chloroform | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.38 U | 1.5 | 0.38 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.87 | 1.5 | 0.38 | ug/kg | J | J |
| 75-01-4 | Vinyl chloride | 1.5 U | 1.5 | 1.5 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 104% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 89% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-FIELDBLK-026 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-6 | Date Received: | 11/03/11 |
| Matrix: | AQ - Field Blank Water | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | R24323.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |
| Run #2 | | | | | | | |

| Run #1 | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|-----------|---------------------------|--------|--------|---------|-------|---|------------------|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 98% | | 70-130% | | | |
| 2037-26-5 | Toluene-D8 | 96% | | 70-130% | | | |
| 460-00-4 | 4-Bromofluorobenzene | 96% | | 70-130% | | | |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-TRIPBLK-027 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-7 | Date Received: | 11/03/11 |
| Matrix: | SO - Trip Blank Methanol | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|----|-----------|------------|------------------|
| Run #1 | E56607.D | 1 | 11/04/11 | GK | n/a | n/a | MSE2276 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 10.0 g | 10.0 ml | 100 ul |
| Run #2 | | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|-----------|---------------------------|--------|--------|---------|-------|---|------------------|
| 71-43-2 | Benzene | 13 U | 25 | 13 | ug/kg | | |
| 67-66-3 | Chloroform | 25 U | 100 | 25 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 25 U | 100 | 25 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 25 U | 100 | 25 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 25 U | 100 | 25 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 25 U | 100 | 25 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 25 U | 100 | 25 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 25 U | 100 | 25 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 25 U | 100 | 25 | ug/kg | | |
| 79-01-6 | Trichloroethene | 25 U | 100 | 25 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 100 U | 100 | 100 | ug/kg | | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 95% | | 70-130% | | | |
| 2037-26-5 | Toluene-D8 | 100% | | 70-130% | | | |
| 460-00-4 | 4-Bromofluorobenzene | 112% | | 70-130% | | | |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-TRIPBLK-027 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-7A | Date Received: | 11/03/11 |
| Matrix: | SO - Trip Blank Soil | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run #1 | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|---------|----|----------|-----|-----------|------------|------------------|
| Run #1 | V3080.D | 1 | 11/04/11 | AMY | n/a | n/a | MSV136 |
| Run #2 | | | | | | | |

| Run #1 | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.00 g | 5.0 ml |
| Run #2 | | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.25 U | 0.50 | 0.25 | ug/kg | | |
| 67-66-3 | Chloroform | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 107-06-2 | 1,2-Dichloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 75-35-4 | 1,1-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 156-59-2 | cis-1,2-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 127-18-4 | Tetrachloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 79-01-6 | Trichloroethene | 0.50 U | 2.0 | 0.50 | ug/kg | | |
| 75-01-4 | Vinyl chloride | 2.0 U | 2.0 | 2.0 | ug/kg | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 101% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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: | WE33-EBLK-028 | Date Sampled: | 11/02/11 |
| Lab Sample ID: | MC5183-8 | Date Received: | 11/03/11 |
| Matrix: | AQ - Equipment Blank | Percent Solids: | n/a |
| Method: | SW846 8260B | Project: NCBC Davisville Site 07, Calf Pasture Point Task Order WE33 Confirmation samples | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | R24324.D | 1 | 11/07/11 | DFT | n/a | n/a | MSR901 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

VOA Special List

| CAS No. | Compound | Result | LOQ | LOD | Units | Q | Data Val Qual |
|----------|---------------------------|--------|------|------|-------|---|------------------|
| 71-43-2 | Benzene | 0.50 U | 0.50 | 0.50 | ug/l | | |
| 67-66-3 | Chloroform | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 107-06-2 | 1,2-Dichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-35-4 | 1,1-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-59-2 | cis-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 156-60-5 | trans-1,2-Dichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 127-18-4 | Tetrachloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-00-5 | 1,1,2-Trichloroethane | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 79-01-6 | Trichloroethene | 1.0 U | 1.0 | 1.0 | ug/l | | |
| 75-01-4 | Vinyl chloride | 1.0 U | 1.0 | 1.0 | ug/l | | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 108% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 102% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 70-130% |

U = Not detected LOD - Limit of Detection
 LOQ = Limit of Quantitation
 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

APPENDIX E

WASTE DISPOSAL DOCUMENTATION

- E1 – Davisville Waste Characterization Report*
- E2 – Manifests and Certificates of Disposal*
- E3 – Weight Tickets*
- E4 – Dump Truck Daily Inspections*

Note: In an effort aimed at reducing both paper consumption and the physical size of this report, this appendix is only included in the electronic file on the CD attached to this Completion Report.

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APPENDIX E
WASTE DISPOSAL DOCUMENTATION

E1 – Davisville Waste Characterization Report

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EQ - The Environmental Quality Company Waste Characterization Report

I authorize EQ - The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.

| | | | |
|-------------------------------------|--|---|----------------------|
| <input type="checkbox"/> | Michigan Disposal Waste Treatment Plant (Stabilization and Treatment) | 49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329 | EPA ID #MID000724831 |
| <input checked="" type="checkbox"/> | Wayne Disposal, Inc. (Hazardous & PCB Waste Landfill) | 49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329 | EPA ID #MID048090633 |
| <input type="checkbox"/> | EQ Detroit, Inc. (Stabilization, Wastewater Treatment) | 1923 Frederick, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329 | EPA ID #MID980991566 |
| <input type="checkbox"/> | EQ Ohio (Envirite of Ohio) (Stabilization and Treatment) | 2050 Central Avenue, SE, Canton, OH 44707 Phone: 330-456-6238 Fax: 330-456-2801 | EPA ID #OHD980568992 |
| <input type="checkbox"/> | EQ Pennsylvania (Envirite of Pennsylvania) (Stabilization and Treatment) | 730 Vogelsong Road, York, PA 17404 Phone: 717-846-1900 Fax: 717-854-6757 | EPA ID #PAD010154045 |
| <input type="checkbox"/> | EQ Oklahoma, Inc. (Stabilization, Wastewater Treatment) | 2700 South 25th West Avenue, Tulsa, OK 74107-3435 Phone: 918-582-9595 Fax: 918-560-5252 | EPA ID #OKD000402396 |
| <input type="checkbox"/> | EQ Resource Recovery, Inc. (Solvent Recycling, Fuel Blending, WW Treatment) | 36345 Van Born Road, Romulus, Michigan 48174 Phone: 734-727-5500 Fax: 734-326-4033 | EPA ID #MID060975844 |
| <input type="checkbox"/> | EQ Florida, Inc. (Drum Consolidation, Labpack Decommissioning) | 7202 East Eighth Ave., Tampa, FL 33619 Phone: 1-800-624-5302 Fax: 1-813-628-0842 | EPA ID #FLD981932494 |
| <input type="checkbox"/> | EQ Detroit Transfer and Processing (Drum Transfer/Universal Waste Handling) | 2000 Ferry Street, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329 | EPA ID #MIK939928313 |
| <input type="checkbox"/> | EQIS Indianapolis Transfer and Processing (Drum Transfer/Non-Hazardous Waste Processing) | 2650 N. Shadeland Avenue, Indianapolis, IN 46219 Phone: 1-800-592-5489 Fax: 1-800-592-5329 | EPA ID #INR000125641 |
| <input type="checkbox"/> | EQIS Atlanta Transfer and Processing (Drum Transfer/Non-Hazardous Waste Processing) | 5600 Fulton Industrial Blvd., Atlanta, Georgia 30336 Phone: 404-494-3520 Fax: 404-494-3560 | EPA ID #GAR000039776 |
| <input type="checkbox"/> | EQ Augusta, Inc. (Wastewater Treatment) | 3920 Goshen Industrial Blvd., Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124 | EPA ID #GAR000011817 |

Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.

Waste Common Name: SOIL WITH PCA AND RH-195

Section 1 - Generator & Customer Info

SIC/NAICS*:

Generator EPA ID: RI6-170-022-036

Generator: NAVAL CONSTRUCTION BATTALION CENTER
Address: SITE 07, MARINE ROAD
City: NORTH KINGSTOWN
State: RI **Zip:** 02852
County:

Mailing Address
Address: P.O. BOX 169
City: SOUTH WEYMOUTH
State: MA **Zip:** 02190

Generator Contact
Name: DAVID BARNEY
Title:
Phone: (617) 753-4656
Fax: () -

EQ Customer No.: 1125

Invoicing Company

Company: EQ NORTHEAST
Address: 185 INDUSTRIAL ROAD PO BOX 617
City: WRENTHAM
State: MA **Zip:** 02093
Country:

Invoicing Contact

Name: GLENN TOPPING
Phone: (508) 384-6151
Fax: (508) 384-6028

Technical Contact

Name: GLENN TOPPING
Phone: (508) 384-6151
Fax: (508) 384-6028
Mobile: (508) 243-7856 **Pager:** () -
E-mail: glenn.topping@eqonline.com

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 2 - Shipping & Packaging Info

- 2.1) Shipping Volume & Unit: 350 TONS Frequency: One Time Only
2.2) DOT Shipping Name: RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII
2.3) Is this waste surcharge exempt? Yes No (If you answered "Yes" to question 2.3, select the Surcharge Exemption reason.)

2.4) Packaging (check all that apply)

- Bulk Solid (yd³ < 2000 lbs/yd³) Bulk Solid (Ton > 2000 lbs./yd³) Bulk Liquids (Gallon)
 Totes, Size Cubic Yard Boxes/Bags Drums, Size
 Other (palletized, 5 gal. Pail, etc.)

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 - Physical Characteristics

- 3.1) Color: BROWN 3.2) Odor: MILD
3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) Yes No
3.4) Physical State at 70 °F: Solid Dust/Powder Liquid Sludge
3.5) What is the pH of this waste? ≤ 2 2.1-4.9 5-10 10.1-12.4 ≥ 12.5
3.6) What is the flash point of this waste? <90 °F 90-139 °F 140-199 °F ≥ 200 °F
3.7) Does this waste contain? (check all that apply) None Free Liquids Oily Residue Metal Fines
 Biodegradable Sorbants Amines Ammonia Water Reactive Biohazard Aluminum
 Shock Sensitive Waste Reactive Waste Radioactive Waste Explosives Pyrophoric Waste Isocyanates
 Asbestos - non-friable Asbestos - friable Dioxins Furans

Section 4 - Composition / Generating Process

- 4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)
SOIL WITH PCA AND RH-195 from 100. to 100. %
4.2) Provide a detailed description of the process generating this waste. (attach flow diagram if available).
SEE ATTACHED BACKGROUND INFO. ANY INTACT CONTAINERS WILL BE REMOVED PRIOR TO LOADING SOIL INTO TRUCKS.

Section 5 - Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes.

As determined by 40 CFR, Part 261 and Michigan Act 451 Rules:

Please list applicable waste code(s):

- 5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? Yes No U209
Comments:
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? Yes No
Comments:
5.3) Do any State Hazardous Waste Codes apply? Yes No
Comments:
5.4) Is this waste intended for wastewater treatment? Yes* No

If you answered "No" to questions 5.1, 5.2, and 5.3, please skip to Section 7.
*If you answered "Yes" to question 5.4, please complete the WCR Addendum.

Section 6 - Hazardous Wastes

- 6.1) Does this waste exceed Land Disposal Restriction Levels? Yes No
- 6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? Yes No
- 6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) Yes No
- 6.2) Is the waste an oxidizer (D001)? Yes No
- 6.3) Does this waste contain reactive cyanide \geq 250 ppm (D003)? Yes No
- 6.4) Does this waste contain reactive sulfide \geq 500 ppm (D003)? Yes No
- 6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either 'Below' or 'Above' **MUST** be checked for each constituent.

Based On: Generator Knowledge Analysis* MSDS*

*Please forward a copy. Analysis or MSDS are required for EQ Florida Non-hazardous wastes.

| Code | Regulatory Level | TCLP (mg/l) | | Concentration (if above) |
|------|----------------------|-------------|--|--------------------------|
| D004 | Arsenic | 5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D005 | Barium | 100 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D006 | Cadmium | 1 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D007 | Chromium | 5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D008 | Lead | 5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D009 | Mercury | 0.2 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D010 | Selenium | 1 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D011 | Silver | 5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D012 | Endrin | 0.02 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D013 | Lindane | 0.4 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D014 | Methoxychlor | 10 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D015 | Toxaphene | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D016 | 2,4-D | 10 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D017 | 2,4,5-TP (Silvex) | 1 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D018 | Benzene | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D019 | Carbon Tetrachloride | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D020 | Chlordane | 0.03 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D021 | Chlorobenzene | 100 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D022 | Chloroform | 6.0 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D023 | o-Cresol | 200 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |

| Code | Regulatory Level | TCLP (mg/l) | | Concentration (if above) |
|------|-----------------------|-------------|--|--------------------------|
| D024 | m-Cresol | 200 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D025 | p-Cresol | 200 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D026 | Cresols | 200 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D027 | 1,4-Dichlorobenzene | 7.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D028 | 1,2-Dichloroethane | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D029 | 1,1-Dichloroethylene | 0.7 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D030 | 2,4-Dinitrotoluene | 0.13 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D031 | Heptachlor | 0.008 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D032 | Hexachlorobenzene | 0.13 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D033 | Hexachlorobutadiene | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D034 | Hexachloroethane | 3.0 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D035 | Methyl Ethyl Ketone | 200 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D036 | Nitrobenzene | 2 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D037 | Pentachlorophenol | 100 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D038 | Pyridine | 5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D039 | Tetrachloroethylene | 0.7 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D040 | Trichloroethylene | 0.5 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D041 | 2,4,5-Trichlorophenol | 400 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D042 | 2,4,6-Trichlorophenol | 2 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |
| D043 | Vinyl Chloride | 0.2 | <input checked="" type="radio"/> Below <input type="radio"/> Above | _____ |

- 6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? Yes No
- If you answered 'Yes', please list the constituents in Section 11.*

Section 7 - Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide.

Applicable waste code(s):

- 7.1) Is this a Michigan non-hazardous liquid industrial waste? Yes No
Comments: _____
- 7.2) Is this a Universal waste? Yes No
- 7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) Yes No
- 7.4) Is this waste a recoverable petroleum product? Yes No
- 7.5) Is this waste used oil as defined by 40 CFR Part 279? Yes No

Section 8 - TSCA Information

- 8.1) What is the concentration of PCBs in the waste? None 0-5 ppm 6-49 ppm
 50-499 ppm 500+ ppm
- 8.2) Does the waste contain PCB contamination from a source with a concentration \geq 50 ppm? Yes No
If you answered 'None' to 8.1 and 'No' to 8.2, please skip to Section 9.
- 8.3) Has this waste been processed into a non-liquid form? Yes No
 If yes, what was the concentration of PCBs prior to processing? (ppm) N/A 0-499 500+
- 8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? Yes No
- 8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? Yes No
- 8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? N/A Yes No

Section 9 - Clean Air Act Information

- 9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? Yes No
 (Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants - VOHAP's or Volatile Organic Compounds - VOC's?)
For a complete list of VOHAPs, please see Section 11 of the EQ Resource Guide.
- 9.2) Is this site, or waste, subject to any other MACT or NESHAP? Yes No
If yes, please specify:
- 9.3) Does this waste stream contain Benzene? Yes No
If you answered "No" to question 9.2, please skip to section 10.
- 9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? Yes No
- 9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) \geq 10 Mg/year? Yes No
 For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "No" to question 9.3 and 9.4, please skip to Section 10.
- 9.6) Does the waste contain > 10% water? Yes No
- 9.7) What is the TAB quantity for your facility? _____ Mg/year
- 9.8) Does the waste contain >1.0 mg/kg total Benzene? Yes No
- 9.9) What is the total Benzene concentration in your waste? _____ (concentration) _____ (unit)

(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)

*For a list of NAICS codes, please refer to section 9 of the EQ Resource Guide.

Section 10 - Fuel Blending Information

- 10.1) Is this waste intended for fuel blending? Yes* No
If you answered 'Yes' to question 10.1, please enter the following:
- Heat value (BTU/lb.) _____
 Chlorine (%) _____
 Water (%) _____
 Solids (%) _____
- 10.2) Is this waste intended for reclamation? Yes No (5-Gallon Sample required for all reclaim waste streams)

Section 11 - Constituent Information

Please identify your waste constituents from these four categories: **Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)**

| Constituent | Concentration | UHC? |
|-------------|---------------|---|
| None | ppm | <input type="radio"/> Yes <input checked="" type="radio"/> No |

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Comments:
logged in

Generator.  DAVID BARROW
Authorized Generator Signature Printed Generator Name

Company. US NAVY BRAC PMONC Title: BRAC ENV COORD Date: 9/15/11

*The generator's signature **MUST** appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.*

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ - The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Characterization Report, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions.

The following definitions shall apply for purposes of this Agreement:

"Acceptable Waste" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statutes, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure.

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws.

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

APPENDIX E
WASTE DISPOSAL DOCUMENTATION

E2 – Manifests and Certificates of Disposal

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

Form Approved. OMB No. 2050-0039

| | | | | |
|----------------------------------|---|-------------------|-----------------------------|--|
| UNIFORM HAZARDOUS WASTE-MANIFEST | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone | 4. Manifest Tracking Number 009063301 JJK |
|----------------------------------|---|-------------------|-----------------------------|--|

| | |
|---|---|
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (617) 753-4656 | Generator's Site Address (if different than mailing address) SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 |
|---|---|

| | |
|---|---------------------------------------|
| 6. Transporter 1 Company Name US Bulk Transport, Inc | U.S. EPA ID Number PAD 987 347 515 |
|---|---------------------------------------|

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

| | | |
|---|-------------------------------------|---------------------------------------|
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | WAYNE DISPOSAL, INC SITE 2 LANDFILL | U.S. EPA ID Number MID 048 090 633 |
|---|-------------------------------------|---------------------------------------|

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit WL/Vol. | 13. Waste Codes | | |
|--------|--|----------------|------|--------------------|------------------|-----------------|--|--|
| | | No. | Type | | | | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), B, PGIII, (U209), ERG #171 | 1 | DT | EST 22.37 | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

| |
|---|
| 14. Special Handling Instructions and Additional Information 1. I11511WDI / (S,T) SOIL WITH PCA AND RH-195 |
|---|

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

| | | | | |
|--|----------------------------------|-------------|----------|------------|
| Generator's/Offeror's Printed/Typed Name DAVID BARNEY | Signature <i>David Barney</i> | Month 10 | Day 3 | Year 11 |
|--|----------------------------------|-------------|----------|------------|

| | | |
|---|---|--|
| 16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only): | <input type="checkbox"/> Export from U.S. | Port of entry/exit Date leaving U.S.: |
|---|---|--|

| | | | | |
|--|------------------------------------|-------------|----------|------------|
| 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name John Davenport | Signature <i>John Davenport</i> | Month 10 | Day 3 | Year 11 |
| Transporter 2 Printed/Typed Name | Signature | Month | Day | Year |

| | |
|---|----------------------------|
| 18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | Manifest Reference Number: |
|---|----------------------------|

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

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

| | | | |
|---|----|----|----|
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | |
| 1. H132 | 2. | 3. | 4. |

| | | | | |
|--|------------------------------------|-------------|----------|------------|
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Charles DeWitt | Signature <i>Charles DeWitt</i> | Month 10 | Day 4 | Year 11 |
|--|------------------------------------|-------------|----------|------------|

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 009063301 JJK, Line Item 1 has been landfilled on
Oct 4, 20011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

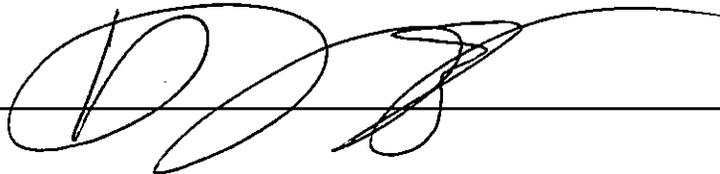
49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____



CERTIFICATE OF DISPOSAL



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

| | | | | | | | | | | | | | | |
|---|--------|--|----|-----------------------|----------------|--|--------------------|---|--------------------|---------------------------------|-------------------|--------------------|-----------------|-------------------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number RI6 170 022 038 | | 2. Page 1 of 1 | | 3. Emergency Response Phone | | 4. Manifest Tracking Number 009063300 JJK | | | | | | |
| | | 5. Generator's Name and Mailing Address NAVAL CONSTRUCTION BATTALION P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (617) 753 4658 | | | | | | Generator's Site Address (if different than mailing address) SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | | | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | | | | | U.S. EPA ID Number PAD 987 347 515 | | | | | | | | |
| 7. Transporter 2 Company Name | | | | | | U.S. EPA ID Number | | | | | | | | |
| 8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | | | | | | U.S. EPA ID Number MID 048 090 633 | | | | | | | | |
| GENERATOR | 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | | | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | | | | |
| | X | 1. RC, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 0, PGIII, (U209), ERG #171 | | | 1 | DT | 21.25 EST | T | U209 | | | | | |
| | | 2. | | | | | | | | | | | | |
| | | 3. | | | | | | | | | | | | |
| | | 4. | | | | | | | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. 111611WDI / (S,T) SOIL WITH PCA AND RH-185 | | | | | | | | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | | | | | | | | |
| Generator's/Offeror's Printed/Typed Name DAVID BARNEY | | | | | | | | | | Signature <i>[Signature]</i> | | Month 10 | Day 3 | Year 11 |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ | | | | | | | | | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | | | | | | | | |
| Transporter 1 Printed/Typed Name SCHNEIDER HUNTON | | | | | | Signature <i>[Signature]</i> | | | Month 10 | Day 3 | Year 11 | | | |
| Transporter 2 Printed/Typed Name | | | | | | Signature | | | Month | Day | Year | | | |
| 18. Discrepancy | | | | | | | | | | | | | | |
| 18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | | | | | | | | |
| Actual weight 23.96 tons w/ per Alan Topping @ FINE 10/12/11 JV | | | | | | | | | | | | | | |
| 18b. Alternate Facility (or Generator) _____ Manifest Reference Number _____ U.S. EPA ID Number _____ | | | | | | | | | | | | | | |
| Facility's Phone: _____ | | | | | | | | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____ | | | | | | | | | | | | | | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | | | | | | | | |
| 1. H132 | | | 2. | | | 3. | | | 4. | | | | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | | | | | | | | | | | |
| Printed/Typed Name <i>[Signature]</i> | | | | | | Signature <i>[Signature]</i> | | | Month 10 | Day 05 | Year 11 | | | |

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063300 JK
have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive
Belleville, Michigan 48111

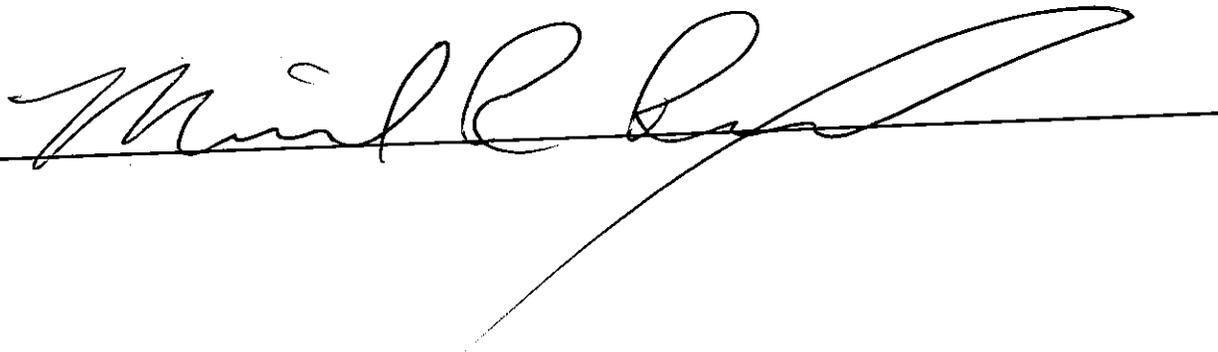
PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

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

| | | | | |
|--|--|--|--|---|
| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5053 | 4. Manifest Tracking Number 009063299 JJK |
| 5. Generator's Name and Mailing Address NAVAL CONSTRUCTION BATTALION | | | | |
| P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 | | Generator's Address (if different than mailing address) SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | |
| Generator's Phone: (617) 753-4656 | | | | U.S. EPA ID Number PAD 987 347 515 |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | | | U.S. EPA ID Number |
| 7. Transporter 2 Company Name | | | | U.S. EPA ID Number |
| 8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL | | | | U.S. EPA ID Number MID 048 090 633 |
| 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 | | | | |
| Facility's Phone: (800) 592-5489 | | | | |

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|--------|--|----------------|------|--------------------|-------------------|-----------------|--|--|
| | | No. | Type | | | | | |
| X | 1. RO, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 22 EST | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
1. H15111WDI / (S,T) SOIL WITH PCA AND RH-195

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

Generator's/Offero's Printed/Typed Name
DAVID BARNEY

Signature
on behalf of David Barney

Month Day Year
10 | 04 | 11

16. International Shipments Import to U.S. Export from U.S.

Port of entry/exit: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
LARRY L BLOOD JR

Signature
Larry L Blood Jr

Month Day Year
10 | 04 | 11

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

18. Discrepancy

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

Manifest Reference Number: _____ U.S. EPA ID Number _____

18b. Alternate Facility (or Generator)

Facility's Phone: _____

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

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

1. **H132** 2. _____ 3. _____ 4. _____

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

Printed/Typed Name
[Signature]

Signature
[Signature]

Month Day Year
10 | 05 | 11

DESIGNATED FACILITY TO GENERATOR

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063299 JJK
have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive
Belleville, Michigan 48111

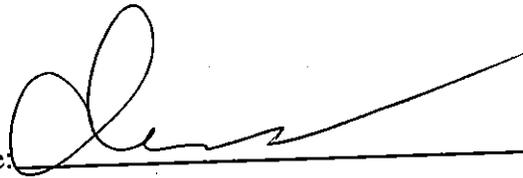
PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

1210

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

Form Approved. OMB No. 2050-0039

| | | | | | | | | |
|---|--|--|--|--|---|-----------------|----------|-------------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number RI6 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5053 | 4. Manifest Tracking Number 009063298 JJK | | | |
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 | | Generator's Site Address (if different than mailing address) NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | | | | |
| Generator's Phone: (617) 753-4658 | | 6. Transporter 1 Company Name US Bulk Transport, Inc | | | U.S. EPA ID Number PAD 987 347 515 | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | | | |
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 | | U.S. EPA ID Number MID 048 090 633 | | | | | | |
| Facility's Phone: (800) 592-5489 | | | | | | | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
| | | No. | Type | | | | | |
| | | X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGII, (U209), ERG #171 | 001 | DT | 24 est | T | U209 |
| | | | 2. | | | | | |
| | | | 3. | | | | | |
| | 4. | | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. I11511WDI / (S,T) SOIL WITH PCA AND RH-105 | | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | | |
| Generator's/Offoror's Printed/Typed Name DAVID BARNEY | | Signature <i>David Barney</i> | | | Month Day Year 10/04/11 | | | |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | | Port of entry/exit: Date leaving U.S.: | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | | |
| Transporter 1 Printed/Typed Name MICHAEL YARNELL | | Signature <i>Michael Yarnell</i> | | | Month Day Year 10/04/11 | | | |
| Transporter 2 Printed/Typed Name | | Signature | | | Month Day Year | | | |
| 18. Discrepancy | | | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | | |
| Manifest Reference Number: | | | | | | | | |
| 18b. Alternate Facility (or Generator) | | | | | U.S. EPA ID Number | | | |
| Facility's Phone: | | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | Month Day Year | | | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | | |
| 1. | 2. | 3. | 4. | | | | | |
| H132 | | | | | | | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a | | | | | | | | |
| Printed/Typed Name Tanya Cowart | | Signature <i>Tanya Cowart</i> | | | Month Day Year 10/05/11 | | | |

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063298 JJK
have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

TRK# 1295

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

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5053 | 4. Manifest Tracking Number 009063297 JJK | |
|---|--|--|--------------------------|---|---|-----------------|
| 5. Generator's Name and Mailing Address P.O. BOX 169 | | NAVAL CONSTRUCTION BATTALION | | Generator's Site Address (if different than mailing address) SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | |
| Generator's Phone: (617) 753-4658 | | | | | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | U.S. EPA ID Number PAD 987 347 515 | | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | |
| 8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL | | U.S. EPA ID Number MID 048 090 633 | | | | |
| 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 | | | | | | |
| Facility's Phone: (800) 592-5489 | | | | | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
| | | No. | Type | | | |
| X | 1. RQ, NA3077, Hazardous waste, cold, n.o.e., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 22 est | T | U209 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |
| 14. Special Handling Instructions and Additional Information 1. H11511 IWDI / (S, T) SOIL WITH PCA AND RH-105 | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | |
| Generator's/Offeror's Printed/Typed Name DAVID BARNEY | | Signature <i>David Barney</i> | | | Month Day Year 11/04/11 | |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | |
| Transporter 1 Printed/Typed Name GREG VARWELL | | Signature <i>Greg Varwell</i> | | | Month Day Year 11/04/11 | |
| Transporter 2 Printed/Typed Name | | Signature | | | Month Day Year | |
| 18. Discrepancy | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | |
| Manifest Reference Number: _____ | | | | | | |
| 18b. Alternate Facility (or Generator) U.S. EPA ID Number | | | | | | |
| Facility's Phone: _____ | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | Month Day Year | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | |
| 1. H132 | | 2. | | 3. | | 4. |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | Printed/Typed Name THOMAS COWARD | | | Signature <i>Thomas Coward</i> | |
| | | | | | Month Day Year 11/04/11 | |

CERTIFICATE OF DISPOSAL

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 009063297 JJK, Line Item 1 has been landfilled on
Oct 5, 20011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature:  _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5053 | 4. Manifest Tracking Number 009063296 JJK | | |
|--|--|--|--------------------------|--|---|-----------------------------------|--|
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 | | Generator's Site Address (if different than mailing address) NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | U.S. EPA ID Number PAD 987 347 515 | | | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | | |
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 | | U.S. EPA ID Number WAYNE DISPOSAL, INC SITE 2 LANDFILL MID 048 090 633 | | | | | |
| Facility's Phone: (800) 592-5489 | | | | | | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | |
| | | No. | Type | | | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #1/1 | 001 | DT | 22 CSF | T | U209 | |
| | 2. | | | | | | |
| | 3. | | | | | | |
| | 4. | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. I11511W01 / (S,T) SOIL WITH PCA AND RH-195 | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | |
| Generator's/Offeror's Printed/Typed Name DAVID BARNEY | | Signature <i>[Signature]</i> | | Month Day Year 10 4 11 | | | |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.: | | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | |
| Transporter 1 Printed/Typed Name James ROLLINGER | | Signature <i>[Signature]</i> | | Month Day Year 10 4 11 | | | |
| Transporter 2 Printed/Typed Name | | Signature | | Month Day Year | | | |
| 18. Discrepancy | | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | |
| Manifest Reference Number: | | | | | | | |
| 18b. Alternate Facility (or Generator) U.S. EPA ID Number | | | | | | | |
| Facility's Phone: | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | | Month Day Year | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | |
| 1. H132 | | 2. | | 3. | | 4. | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a. | | Printed/Typed Name [Signature] | | Signature <i>[Signature]</i> | | Month Day Year 10 05 11 | |

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 609063296 JJK, Line Item 1 has been landfilled on
Oct 5, 20011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

| | | | | |
|---|--|-----------------------|--|---|
| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number RI6 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5035 | 4. Manifest Tracking Number 009063302 JJK |
|---|--|-----------------------|--|---|

| | |
|--|---|
| 5. Generator's Name and Mailing Address NAVAL CONSTRUCTION BATTALION P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 | Generator's Site Address (if different than mailing address) SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 |
| Generator's Phone: (617) 753-4656 | |

| | |
|--|--|
| 6. Transporter 1 Company Name US Bulk Transport, Inc | U.S. EPA ID Number PAD 987 347 515 |
| 7. Transporter 2 Company Name | |

| | |
|--|--|
| 8. Designated Facility Name and Site Address WAYNE DISPOSAL, INC SITE 2 LANDFILL 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 | U.S. EPA ID Number MID 048 090 633 |
| Facility's Phone: (800) 592-5489 | |

| 9a HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|----------|--|----------------|------|--------------------|-------------------|-----------------|--|--|
| | | No. | Type | | | | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | est 24. | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

| |
|--|
| 14. Special Handling Instructions and Additional Information 1. I11511 IWDI / (S,T) SOIL WITH PCA AND RH-195 |
|--|

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

| | | | | |
|---|----------------------------------|--------------------|------------------|-------------------|
| Generator's/Offerer's Printed/Typed Name DAVID BARNEY | Signature <i>David Barney</i> | Month 10 | Day 05 | Year 11 |
|---|----------------------------------|--------------------|------------------|-------------------|

| | |
|--|---------------------------|
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | Port of entry/exit: _____ |
| Transporter signature (for exports only): _____ | Date leaving U.S.: _____ |

| | | | | |
|--|---------------------------------------|--------------------|------------------|-------------------|
| 17. Transporter Acknowledgment of Receipt of Materials | | | | |
| Transporter 1 Printed/Typed Name SCOTT A. Goodenow | Signature <i>Scott A. Goodenow</i> | Month 10 | Day 05 | Year 11 |
| Transporter 2 Printed/Typed Name | Signature | Month | Day | Year |

| | | | | | |
|-----------------------------------|-----------------------------------|-------------------------------|----------------------------------|--|---|
| 18. Discrepancy | | | | | |
| 18a. Discrepancy Indication Space | <input type="checkbox"/> Quantity | <input type="checkbox"/> Type | <input type="checkbox"/> Residue | <input type="checkbox"/> Partial Rejection | <input type="checkbox"/> Full Rejection |
| Manifest Reference Number: _____ | | | | | |

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

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

| | | | |
|---|----|----|----|
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | |
| 1. H132 | 2. | 3. | 4. |

| | | | | |
|--|------------------------------------|--------------------|------------------|-------------------|
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | |
| Printed/Typed Name David Tarnacki | Signature <i>David Tarnacki</i> | Month 10 | Day 06 | Year 11 |

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063302JOK

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

381

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

Form Approved. OMB No. 2050-0039

| | | | | | | | | |
|---|--|---|-------------------|--|--|-----------------|-----|------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number RI6 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5035 | 4. Manifest Tracking Number 009063303 JJK | | | |
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (817) 753-4858 | | NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | Generator's Site Address (if different than mailing address) | | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | U.S. EPA ID Number PAD 987 347 515 | | | | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | | | |
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | | WAYNE DISPOSAL, INC SITE 2 LANDFILL | | | U.S. EPA ID Number MID 048 090 633 | | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. Type | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.e., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 22 EST | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. I11611WDI / (S,T) SOIL WITH PCA AND RH-195 | | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | | |
| Generator's/Offoror's Printed/Typed Name DAVID BARNEY | | Signature <i>David Barney</i> | | Month 10 | Day 5 | Year 11 | | |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | | Port of entry/exit: Date leaving U.S.: | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | | |
| Transporter 1 Printed/Typed Name Richard STEWELSON | | Signature <i>Richard Stewelson</i> | | Month 10 | Day 5 | Year 11 | | |
| Transporter 2 Printed/Typed Name | | Signature | | Month | Day | Year | | |
| 18. Discrepancy | | | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | | |
| 18b. Alternate Facility (or Generator) | | | | Manifest Reference Number: U.S. EPA ID Number | | | | |
| Facility's Phone: | | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | | Month | Day | Year |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | | |
| 1. H132 | 2. | 3. | 4. | | | | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | | | | | |
| Printed/Typed Name Josh Hertle | | Signature <i>Josh Hertle</i> | | Month 10 | Day 06 | Year 11 | | |

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 009063303 JJK, Line Item 1 has been landfilled on
Oct 6, 2011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111

Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

322

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

Form Approved. OMB No. 2050-0039

| | | | | | | | |
|---|--|---|-------------------|---|--|-----------------|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 535 5053 | 4. Manifest Tracking Number 009063304 JJK | | |
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (617) 753-4656 | | NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | Generator's Site Address (if different than mailing address) | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | U.S. EPA ID Number PAD 987 347 515 | | | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | | |
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | | WAYNE DISPOSAL, INC SITE 2 LANDFILL | | | U.S. EPA ID Number MID 048 090 633 | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. Type | | 11. Total Quantity | 12. Unit WL/Vol. | 13. Waste Codes | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 23 est | T | U209 | |
| | 2. | | | | | | |
| | 3. | | | | | | |
| | 4. | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. 111511WDI / (S,T) SOIL WITH PCA AND RH-195 | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | |
| Generator's/Offeror's Printed/Typed Name DAVID BARNEY | | Signature as behalf of [Signature] | | Month Day Year 10 5 11 | | | |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.: | | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: John Davenport Signature: [Signature] Month Day Year: 10 5 11 Transporter 2 Printed/Typed Name: Signature: Month Day Year: | | | | | | | |
| 18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: | | | | | | | |
| 18b. Alternate Facility (or Generator) | | U.S. EPA ID Number | | | | | |
| Facility's Phone: | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | Month Day Year | | | | | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | |
| 1. H132 | 2. | 3. | 4. | | | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Josh Heath Signature: [Signature] Month Day Year: 10 06 11 | | | | | | | |

GENERATOR
TRANSPORTER INTL
DESIGNATED FACILITY

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063304 JTK
have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

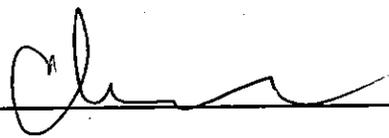
49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: 



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

1222-2

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

2. Page 1 of 1
 3. Emergency Response Phone: 1 800 535 505
 4. Manifest Tracking Number: 009063306 JJK

1. Generator ID Number: RI0 170 022 036
 5. Generator's Name and Mailing Address: NAVAL CONSTRUCTION BATTALION
 P.O. BOX 169
 SOUTH WEYMOUTH, MA 02190
 Generator's Phone: (617) 753 4656
 Generator's Site Address (if different than mailing address):
 SITE 07, MARINE ROAD
 NORTH KINGSTOWN, RI 02852

6. Transporter 1 Company Name: US Bulk Transport, Inc
 U.S. EPA ID Number: PAD 987 347 515
 7. Transporter 2 Company Name: _____
 U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
 49350 N I-94 SERVICE DRIVE
 BELLEVILLE, MI 48111
 Facility's Phone: (800) 592-5489
 U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit WL/Vol. | 13. Waste Codes | | |
|--------|--|----------------|------|--------------------|------------------|-----------------|--|--|
| | | No. | Type | | | | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 22 est | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
 1. I11511WDI / (S,T) SOIL WITH PCA AND RH-195

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

Generator's/Offorer's Printed/Typed Name: DAVID BARNEY
 Signature: [Signature]
 Month Day Year: 10 5 11

16. International Shipments: Import to U.S. Export from U.S.
 Port of entry/exit: _____
 Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials
 Transporter signature (for exports only): _____
 Transporter 1 Printed/Typed Name: Armedia Spohn
 Signature: [Signature] Month Day Year: 10 5 11
 Transporter 2 Printed/Typed Name: _____
 Signature: _____

18. Discrepancy
 18a. Discrepancy Indication: Space Quantity Type Residue Partial Rejection Full Rejection
 Actual weight 25 TONS OR PER GROSS TIPPING @ [Signature] Manifest Reference Number: NONE 10/12/11 JV
 U.S. EPA ID Number: _____

18b. Alternate Facility (or Generator): _____
 Facility's Phone: _____
 18c. Signature of Alternate Facility (or Generator): _____
 Month Day Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 1. H132 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 Printed/Typed Name: David Tarnowski
 Signature: [Signature] Month Day Year: 10 7 11

DESIGNATED FACILITY TO GENERATOR

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009063506/jk
have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.

FACILITY NAME:
(Please check one)

Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-593-5329

Authorized Signature: 



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

87540

1222-3

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

Form Approved. OMB No. 2050-0039

| | | | | | | | |
|---|--|---|-------------------|--|--|-----------------|------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number R16 170 022 038 | 2. Page 1 of 1 | 3. Emergency Response Phone 1800 535 5053 | 4. Manifest Tracking Number 009063308 JJK | | |
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (617) 753-4656 | | NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 | | | Generator's Site Address (if different than mailing address) | | |
| 6. Transporter 1 Company Name US Bulk Transport, Inc | | U.S. EPA ID Number PAD 987 347 515 | | | | | |
| 7. Transporter 2 Company Name | | U.S. EPA ID Number | | | | | |
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | | WAYNE DISPOSAL, INC SITE 2 LANDFILL | | | U.S. EPA ID Number MID 048 090 633 | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 258 est | T | U209 | |
| | 2. | | | | | | |
| | 3. | | | | | | |
| | 4. | | | | | | |
| 14. Special Handling Instructions and Additional Information 1. H15111WDI / (S,T) SOIL WITH PCA AND RH-195 | | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | | |
| Generator's/Officer's Printed/Typed Name DAVID BARNEY | | Signature in behalf of [Signature] | | | Month | Day | Year |
| | | | | | 10 | 5 | 11 |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.: | | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | | |
| Transporter 1 Printed/Typed Name Clifford Sphon | | Signature [Signature] | | | Month | Day | Year |
| | | | | | 10 | 05 | 11 |
| Transporter 2 Printed/Typed Name | | Signature | | | Month | Day | Year |
| | | | | | | | |
| 18. Discrepancy | | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | | |
| 18b. Alternate Facility (or Generator) U.S. EPA ID Number | | | | | | | |
| Facility's Phone: | | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | | Month | Day | Year |
| | | | | | | | |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | |
| 1. | 2. | 3. | 4. | | | | |
| H132 | | | | | | | |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | | | | |
| Printed/Typed Name David Tarnowski | | Signature [Signature] | | | Month | Day | Year |
| | | | | | 10 | 7 | 11 |

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 009063308 JJK, Line Item 1 has been landfilled on
Oct 7, 20011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: 



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

336

| | | | | |
|---|---|-------------------|---|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number R16 170 022 036 | 2. Page 1 of 1 | 3. Emergency Response Phone 1 800 555 5053 | 4. Manifest Tracking Number 009063307 JJK |
|---|---|-------------------|---|--|

| | |
|--|---|
| 5. Generator's Name and Mailing Address P.O. BOX 169 SOUTH WEYMOUTH, MA 02190 Generator's Phone: (617) 753-4656 | NAVAL CONSTRUCTION BATTALION SITE 07, MARINE ROAD NORTH KINGSTOWN, RI 02852 |
|--|---|

| | |
|---|---------------------------------------|
| 6. Transporter 1 Company Name US Bulk Transport, Inc | U.S. EPA ID Number PAD 987 347 515 |
| 7. Transporter 2 Company Name | U.S. EPA ID Number |

| | |
|--|--|
| 8. Designated Facility Name and Site Address 49350 N I-94 SERVICE DRIVE BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489 | WAYNE DISPOSAL, INC SITE 2 LANDFILL U.S. EPA ID Number MID 048 090 633 |
|--|--|

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit WL/Vol. | 13. Waste Codes | | |
|--------|--|----------------|------|--------------------|------------------|-----------------|--|--|
| | | No. | Type | | | | | |
| X | 1. RQ, NA3077, Hazardous waste, solid, n.o.s., (1,1,2,2-Tetrachloroethane), 9, PGIII, (U209), ERG #171 | 001 | DT | 22 est | T | U209 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

| |
|---|
| 14. Special Handling Instructions and Additional Information 1. H15111WDI / (S,T) SOIL WITH PCA AND RH-105 |
|---|

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

| | | |
|---|----------------------------------|-------------------------------|
| Generator's/Offeror's Printed/Typed Name <i>DAVID BARREY</i> | Signature <i>David Barrey</i> | Month Day Year 10 6 11 |
|---|----------------------------------|-------------------------------|

| | |
|--|---|
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | Port of entry/exit: Date leaving U.S.: |
|--|---|

| | | |
|--|--------------------------------|-------------------------------|
| 17. Transporter Acknowledgment of Receipt of Materials | | |
| Transporter 1 Printed/Typed Name <i>Les Kramer</i> | Signature <i>Les Kramer</i> | Month Day Year 10 6 11 |
| Transporter 2 Printed/Typed Name | Signature | Month Day Year |

| | | | | | |
|-----------------------------------|-----------------------------------|-------------------------------|----------------------------------|--|---|
| 18. Discrepancy | | | | | |
| 18a. Discrepancy Indication Space | <input type="checkbox"/> Quantity | <input type="checkbox"/> Type | <input type="checkbox"/> Residue | <input type="checkbox"/> Partial Rejection | <input type="checkbox"/> Full Rejection |
| Manifest Reference Number: | | | | | |

| | |
|---|--------------------|
| 18b. Alternate Facility (or Generator) | U.S. EPA ID Number |
| Facility's Phone: | |
| 18c. Signature of Alternate Facility (or Generator) | Month Day Year |

| | | |
|---|----|----|
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | |
| 1. H132 | 2. | 3. |

| | | |
|--|---------------------------------|--------------------------------|
| 20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | |
| Printed/Typed Name <i>[Signature]</i> | Signature <i>[Signature]</i> | Month Day Year 10 07 11 |

FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as PCB Solid
and specified on Manifest # 009063307 JJK, Line Item 1 has been landfilled on
04 7, 20011 in accordance with all local, state and federal regulations by:

Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature:  _____



THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

APPENDIX E
WASTE DISPOSAL DOCUMENTATION

E3 – Weight Tickets

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Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204585
EQ Account #: 1125
Manifest / BOL: 009063301JJK
Transporter: US BULK
Date: 10/04/2011
Time In: 12:13 PM
Time Out: 12:56 PM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 23.760 | TONS |
| | Hazardous Surcharge Ton | 23.760 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 79,080 Tare: 31,560 Net: 47,520 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204670
EQ Account #: 1125
Manifest / BOL: 009063300JJK
Transporter: PAGE
Date: 10/05/2011
Time In: 8:32 AM
Time Out: 9:56 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 23.960 | TONS |
| | Hazardous Surcharge Ton | 23.960 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 80,820 Tare: 32,900 Net: 47,920 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204683
EQ Account #: 1125
Manifest / BOL: 009063296JJK
Transporter: US BULK
Date: 10/05/2011
Time In: 9:38 AM
Time Out: 10:33 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 22.060 | TONS |
| | Hazardous Surcharge Ton | 22.060 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 78,940 Tare: 34,820 Net: 44,120 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204718
EQ Account #: 1125
Manifest / BOL: 009063298JJK
Transporter: US BULK
Date: 10/05/2011
Time In: 10:42 AM
Time Out: 11:55 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 25.660 | TONS |
| | Hazardous Surcharge Ton | 25.660 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 81,520 Tare: 30,200 Net: 51,320 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204720
EQ Account #: 1125
Manifest / BOL: 009063297JJK
Transporter: US BULK
Date: 10/05/2011
Time In: 10:47 AM
Time Out: 11:44 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 23.140 | TONS |
| | Hazardous Surcharge Ton | 23.140 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 79,220 Tare: 32,940 Net: 46,280 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204731
EQ Account #: 1125
Manifest / BOL: 009063299JJK
Transporter: US BULK
Date: 10/05/2011
Time In: 11:38 AM
Time Out: 1:24 PM

| Line | Description | Qty. | Unit |
|-------------|---|-------------|-------------|
| | Generator | | |
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 22.160 | TONS |
| | Hazardous Surcharge Ton | 22.160 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 78,160 Tare: 33,840 Net: 44,320 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204832
EQ Account #: 1125
Manifest / BOL: 009063302JJK
Transporter: US BULK
Date: 10/06/2011
Time In: 9:26 AM
Time Out: 9:56 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 23.480 | TONS |
| | Hazardous Surcharge Ton | 23.480 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 81,700 Tare: 34,740 Net: 46,960 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204833
EQ Account #: 1125
Manifest / BOL: 009063303JJK
Transporter: US BULK
Date: 10/06/2011
Time In: 9:28 AM
Time Out: 10:19 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 23.470 | TONS |
| | Hazardous Surcharge Ton | 23.470 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 81,140 Tare: 34,200 Net: 46,940 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204864
EQ Account #: 1125
Manifest / BOL: 009063304JJK
Transporter: US BULK
Date: 10/06/2011
Time In: 12:46 PM
Time Out: 2:14 PM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 24.010 | TONS |
| | Hazardous Surcharge Ton | 24.010 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 79,720 Tare: 31,700 Net: 48,020 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204930
EQ Account #: 1125
Manifest / BOL: 009063307JJK
Transporter: US BULK
Date: 10/07/2011
Time In: 8:08 AM
Time Out: 8:52 AM

| Line | Description | Qty. | Unit |
|-------------|---|-------------|-------------|
| | Generator | | |
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 25.540 | TONS |
| | Hazardous Surcharge Ton | 25.540 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 82,880 Tare: 31,800 Net: 51,080 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204932
EQ Account #: 1125
Manifest / BOL: 009063308JJK
Transporter: US BULK
Date: 10/07/2011
Time In: 8:14 AM
Time Out: 9:08 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 27.400 | TONS |
| | Hazardous Surcharge Ton | 27.400 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 87,540 Tare: 32,740 Net: 54,800 | | |

Wayne Disposal, Inc.
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

EQ NORTHEAST
185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093

Receipt ID: 1204933
EQ Account #: 1125
Manifest / BOL: 009063306JJK
Transporter: US BULK
Date: 10/07/2011
Time In: 8:15 AM
Time Out: 9:00 AM

| Line | Description Generator | Qty. | Unit |
|-------|---|--------|------|
| 1 - A | I115111WDI - SOIL WITH PCA AND RH-195 | 25.000 | TONS |
| | Hazardous Surcharge Ton | 25.000 | TONS |
| | RI6170022036 NAVAL CONSTRUCTION BATTALION CENTER | | |
| | Gross: 79,720 Tare: 29,720 Net: 50,000 | | |

APPENDIX E
WASTE DISPOSAL DOCUMENTATION

E4 – Dump Truck Daily Inspections

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2/10/3/11



Dump Truck Daily Inspections

TRUCK NUMBER R207
 CURRENT JOB NO. 143071
 INSPECTED BY: D. SYLVIA
 EMP. NUMBER: 437633

TRAILER - XDK1620
 CAB - AF87368

N / A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- Dents/holes in dump bed
- Double locking Mechanizm
- Engine oil leaks
- Back up alarms
- Tarp condition

COMMENTS:

Round 2:
 Return Status:
 Leave Status:

Round 3:
 Return Status:
 Leave Status:

Round 4:
 Return Status:
 Leave Status:

INSPECTORS SIGNATURE: D. Sylvia DATE: 10/3/11

① 10/3/11 ⑨ 10/5/11



Dump Truck Daily Inspections

TRUCK NUMBER: 322
CURRENT JOB NO.: 143071
INSPECTED BY: D. SYLVA
EMP. NUMBER: 437633
TRAILER # TPK 7800
CAB - AF 37320

Time in: 1000

N/A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- C Dents/holes in dump bed
- Double locking Mechanizm
- O Engine oil leaks
- O Back up alarms
- Tarp condition
- _____
- _____
- _____
- _____
- _____
- _____

DENTS / SCRATCHES RIGHT SIDE



COMMENTS:

Round 2: NO NEW DENTS / SCRATCHES SAME AS FIRST TRIP

Return Status: _____

Leave Status: _____

Round 3:

Return Status: _____

Leave Status: _____

Round 4:

Return Status: _____

Leave Status: _____

INSPECTORS SIGNATURE: D. Sylva DATE: 10/3/11

③ 10/4/11



Dump Truck Daily Inspections

TRUCK NUMBER 317-A
CURRENT JOB NO. 143071
INSPECTED BY: D. S. G. L. M. A.
EMP. NUMBER: 485633

TRAILER - XBM6049

N / A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

| | | |
|-----------------------|--------------------------|-------|
| <input type="radio"/> | Dents/holes in dump bed | _____ |
| <input type="radio"/> | Double locking Mechanizm | _____ |
| <input type="radio"/> | Engine oil leaks | _____ |
| <input type="radio"/> | Back up alarms | _____ |
| <input type="radio"/> | Tarp condition | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |

COMMENTS:

Round 2:
Return Status: _____
Leave Status: _____

Round 3:
Return Status: _____
Leave Status: _____

Round 4:
Return Status: _____
Leave Status: _____

INSPECTORS SIGNATURE: *[Signature]* DATE: 10/4/11

④ 10/4/11



Dump Truck Daily Inspections

TRUCK NUMBER 1210
 CURRENT JOB NO. 143071
 INSPECTED BY: D SyLwn
 EMP. NUMBER: 437633
 TRAILER - XCP 8180
 CAB - AF 67991

N / A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

| | | |
|-----------------------|--------------------------|-------|
| <input type="radio"/> | Dents/holes in dump bed | _____ |
| <input type="radio"/> | Double locking Mechanizm | _____ |
| <input type="radio"/> | Engine oil leaks | _____ |
| <input type="radio"/> | Back up alarms | _____ |
| <input type="radio"/> | Tarp condition | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |

COMMENTS:

Round 2:
 Return Status: _____
 Leave Status: _____

Round 3:
 Return Status: _____
 Leave Status: _____

Round 4:
 Return Status: _____
 Leave Status: _____

INSPECTORS SIGNATURE: D SyLwn DATE: 10/4/11

⑤ 10/4/11



Dump Truck Daily Inspections

TRUCK NUMBER 1295
 CURRENT JOB NO. 43571
 INSPECTED BY: D. S. [Signature]
 EMP. NUMBER: 437633
 CAB - 67996
 TRAILER - XT36187

N / A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

| | | |
|----------------------------------|--------------------------|-------|
| <input checked="" type="radio"/> | Dents/holes in dump bed | _____ |
| <input checked="" type="radio"/> | Double locking Mechanizm | _____ |
| <input checked="" type="radio"/> | Engine oil leaks | _____ |
| <input checked="" type="radio"/> | Back up alarms | _____ |
| <input checked="" type="radio"/> | Tarp condition | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |

COMMENTS:

Round 2:
 Return Status: _____
 Leave Status: _____

Round 3:
 Return Status: _____
 Leave Status: _____

Round 4:
 Return Status: _____
 Leave Status: _____

INSPECTORS SIGNATURE: [Signature] DATE: 10/4/11

⑥ 10/4/11



Dump Truck Daily Inspections

TRUCK NUMBER: 311-2A

CURRENT JOB NO.: 143071

INSPECTED BY: D. SYLVA

EMP. NUMBER: 437533

CAB: AF-14329

TRL: XBK 2193

N / A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- Dents/holes in dump bed
- Double locking Mechanizm
- Engine oil leaks
- Back up alarms
- Tarp condition

COMMENTS:

Round 2:
Return Status: _____
Leave Status: _____

Round 3:
Return Status: _____
Leave Status: _____

Round 4:
Return Status: _____
Leave Status: _____

INSPECTORS SIGNATURE: *D. Sylva* DATE: 10/4/11

10/5/11



Dump Truck Daily Inspections

TRUCK NUMBER 311-5
 CURRENT JOB NO. 143011
 INSPECTED BY: D. Silva
 EMP. NUMBER: 4317633
 CAB - AP/4328 VA
 TRAILER - XBK2195

N/A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- Dents/holes in dump bed
- Double locking Mechanizm
- Engine oil leaks
- Back up alarms
- Tarp condition

COMMENTS:
Round 2:
 Return Status: _____
 Leave Status: _____
Round 3:
 Return Status: _____
 Leave Status: _____
Round 4:
 Return Status: _____
 Leave Status: _____

INSPECTORS SIGNATURE: *D Silva* DATE: 10/5/11

8 10/5/11



Dump Truck Daily Inspections

TRUCK NUMBER 381
 CURRENT JOB NO. H3071
 INSPECTED BY: D. G. [unclear]
 EMP. NUMBER: 484633
 CAB - AF49772
 TRAILER - 381A XCX9906

N/A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

| | | |
|----------|--------------------------|-------|
| <u>0</u> | Dents/holes in dump bed | _____ |
| <u>0</u> | Double locking Mechanizm | _____ |
| <u>0</u> | Engine oil leaks | _____ |
| <u>0</u> | Back up alarms | _____ |
| <u>0</u> | Tarp condition | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |
| _____ | | _____ |

COMMENTS:

Round 2:
 Return Status: _____
 Leave Status: _____

Round 3:
 Return Status: _____
 Leave Status: _____

Round 4:
 Return Status: _____
 Leave Status: _____

INSPECTORS SIGNATURE: [Signature] DATE: 10/5/11

10 10/5/11



Dump Truck Daily Inspections

TRUCK NUMBER _____
 CURRENT JOB NO. 143071
 INSPECTED BY: D. Syllaba
 EMP. NUMBER: 437633
 CAB - AP64104
 TRAILER - XF-K 9299

N/A = NOT APPLICABLE

C = COMMENTS

O = OKAY

N = NEEDS ATTENTION

- Dents/holes in dump bed
- Double locking Mechanizm
- Engine oil leaks
- Back up alarms
- Tarp condition

SCRATCHES/DENTS
 RIGHT SIDE - LOWER,
 BACK SIDE

COMMENTS:
 Round 2:
 Return Status:
 Leave Status:
 Round 3:
 Return Status:
 Leave Status:
 Round 4:
 Return Status:
 Leave Status:

INSPECTORS SIGNATURE: [Signature] DATE: 10/5/11

11

10/5/11



Dump Truck Daily Inspections

TRUCK NUMBER VIN-4J394592
CURRENT JOB NO. 143071
INSPECTED BY: D. Sullivan
EMP. NUMBER: 437633
CAB - AF81242
TRAILER - XD47973

N/A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- Dents/holes in dump bed
Double locking Mechanizm
Engine oil leaks
Back up alarms
Tarp condition

COMMENTS:
Round 2:
Return Status:
Leave Status:
Round 3:
Return Status:
Leave Status:
Round 4:
Return Status:
Leave Status:

INSPECTORS SIGNATURE: [Signature] DATE: 10/5/11

12 10/6/11



Dump Truck Daily Inspections

TRUCK NUMBER 336-A
CURRENT JOB NO. 143071
INSPECTED BY: D SYLVA
EMP. NUMBER: 437633
CAB - P726546
TRAILER - 415451

Horizontal lines for additional information

N/A = NOT APPLICABLE C = COMMENTS O = OKAY N = NEEDS ATTENTION

- C Dents/holes in dump bed
O Double locking Mechanizm
O Engine oil leaks
O Back up alarms
O Tarp condition

Vertical lines for inspection status

NICKS / SCRATCHES
BED
[Hand-drawn diagram of a dump bed]

COMMENTS: Round 2: Return Status: Leave Status: Round 3: Return Status: Leave Status: Round 4: Return Status: Leave Status:

INSPECTORS SIGNATURE: [Handwritten signature]

DATE: 10/6/11

APPENDIX F

WELL ABANDONMENT RECORDS

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WELL COMPLETION REPORT

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Groundwater Section
235 Promenade St., Providence, RI 02903



DO NOT FILL IN
STATE WELL NUMBER _____
OTHER NUMBER _____

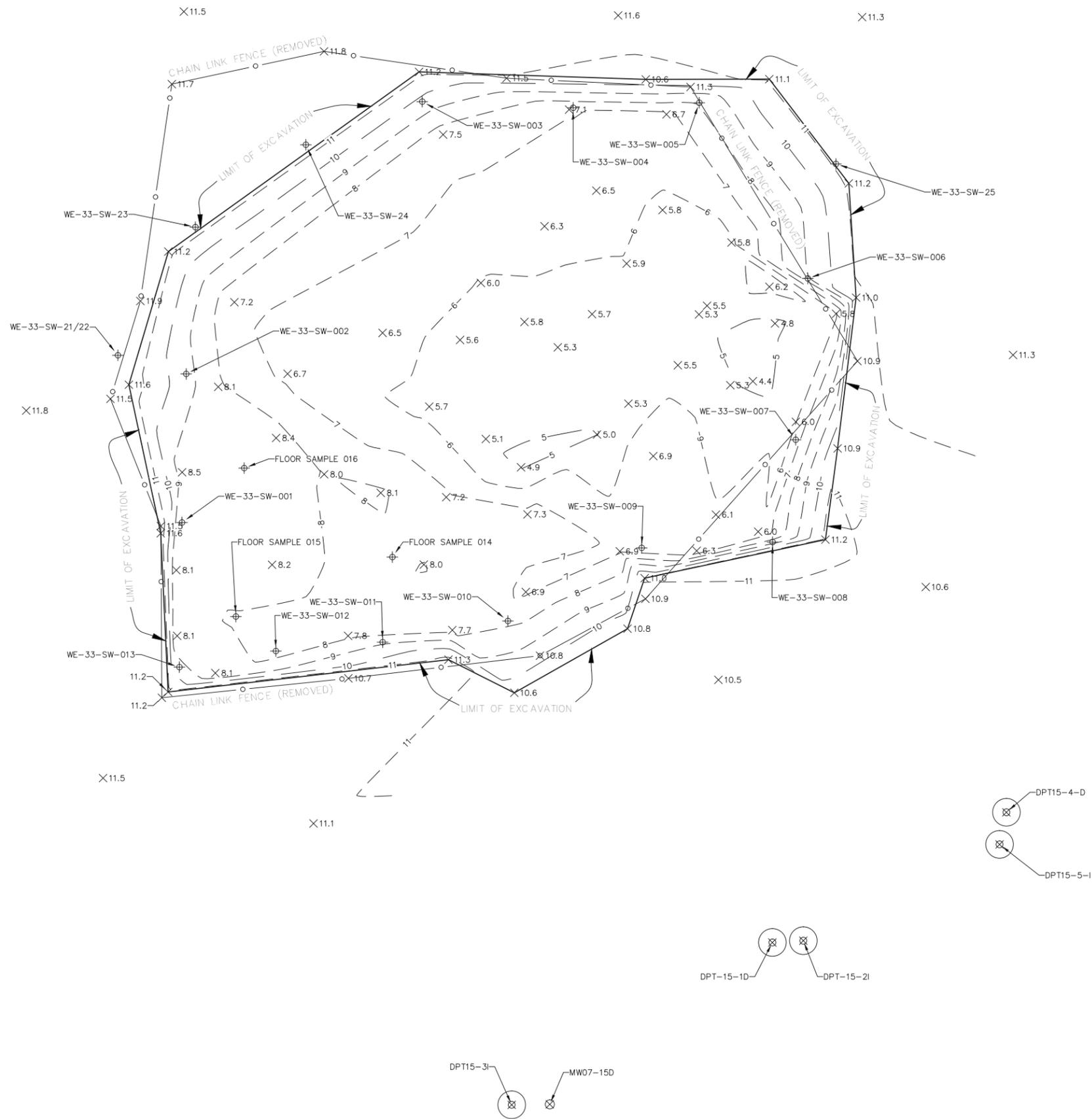
| | | | |
|---|--|---|---|
| Client: OWNER | Name <u>Shaw Group</u> | Address <u>PO Box 98519, Baton Rouge LA 70884</u> | |
| LOCATION OF WELL | <u>150 Marine Rd.</u> | <u>Davisville N. Kingston</u> | |
| DRILLING EQUIPMENT | COMPRESSED CABLE ROTARY _____ AIR PERCUSSION _____ PERCUSSION _____ OTHER _____ | | |
| CASING DETAILS | DIAMETER <u>8"</u> | LENGTH _____ | TYPE _____ NEW _____ USED _____ |
| | THREADED <input checked="" type="checkbox"/> WELDED _____ | | DRIVE SHOE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> GROUTING MATERIAL <u>barite slurry</u> |
| PUMP TEST DATA (5 HR. MIN.) | STATIC WATER LEVEL (FT.) <u>7.5'</u> | PUMPING LEVEL (FT.) <u>n/a</u> | DRAWDOWN (FT.) <u>n/a</u> |
| | DURATION (HOURS) <u>n/a</u> | YIELD (GPM) <u>n/a</u> | DEPTH TO BEDROCK <u>n/a</u> |
| SCREEN DETAILS | MAKE <u>n/a</u> | MATERIAL <u>PVC</u> | LENGTH <u>10'</u> DIAMETER <u>8"</u> SLOT SIZE <u>.010</u> |
| HAS WATER BEEN TESTED? <u>n/a</u> WHEN? _____ | USE OF WELL _____ BUSINESS ESTABLISHMENT <input checked="" type="checkbox"/> TEST WELL | | |
| WHERE? (LAB) _____ LAB # _____ | _____ DOMESTIC _____ INDUSTRIAL _____ OTHER (SPECIFY) _____ _____ PUBLIC _____ SUPPLY _____ FARM | | |
| ISDS APPROVAL NUMBER _____ | LOT SIZE _____ | | |
| DEPTH FROM LAND SURFACE | SKETCH EXACT LOCATION OF WELL WITH DISTANCES, TO AT LEAST TWO PERMANENT LANDMARKS, INCLUDING HOUSE (IF PRESENT). | | |
| FEET TO FEET | FORMATION DESCRIPTION | <p style="text-align: center;">INDICATE NORTH</p> | |
| <u>0</u> | <u>12.5'</u> | | |
| <u>0</u> | <u>13.9'</u> | | |
| <u>0</u> | <u>27'</u> | | |
| Abandoned - pressure grouted to surface | | LOCATION OF LOT TO AT LEAST TWO ROADS (INCLUDE DISTANCES AND A POLE #) <p style="text-align: center;">INDICATE NORTH</p> | |
| DATE WELL COMPLETED | DATE OF REPORT | WELL DRILLER (SIGNATURE) | WELL DRILLER (PRINT) |
| <u>9/29/11</u> | <u>10/5/11</u> | <u>[Signature]</u> | <u>Miles Joyce</u> |
| REGISTRATION # | REGISTERED WELL DRILLER (SIGNATURE) | REGISTERED WELL DRILLER (PRINT) | |
| <u>WD-85</u> | <u>[Signature]</u> | <u>Miles Joyce</u> | |

WELL DRILLER

APPENDIX G

EXCAVATION/SAMPLE SURVEY AND COORDINATES (PDF AND CAD)

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| REVISIONS | | |
|-----------|-----------------------------------|------------|
| REV. | COMMENTS | DATE |
| 1 | ADDED ADDITIONAL SAMPLE LOCATIONS | 11/02/2011 |
| | | |
| | | |

| | | | |
|--|----------------------|-----------------|-----------------------|
| ORIGINAL FULL SIZE DRAWING=4" | | | |
| REPRODUCTIONS MAY BE REDUCED SIZE | | | |
| PREPARED BY: A-PLUS CONSTRUCTION SERVICES CORPORATION <small>17 ACCORD PARK DRIVE, UNIT 102 NORWELL, MASS. TEL. (781) 681-5667 FAX. (781) 681-5673</small> | | | |
| FIELD CHIEF: BTH | DES/COMP: BTH | DRAFTED BY: BTH | CHECKED BY: MC |
| DATE: 02 NOV. 2011 | SCALE: 1 IN. = 4 FT. | JOB#: 3139 | FILE: 3139_110211.DWG |

| | |
|--|--|
| | |
| | |

EXCAVATION AS BUILT PLAN
 SITE 7 REMOVAL ACTION
 DAVISVILLE, RHODE ISLAND

PREPARED FOR:
 SHAW ENVIRONMENTAL

SHEET
1 of 1
 OF
 REV.1

SITE 7 REMOVAL ACTION EXCAVATION SURVEY COORDINATES

| DATE | POINT | Y ¹ | X ¹ | DEPTH ² | LOCATION IDENTIFIER |
|-----------|-------|----------------|----------------|--------------------|---------------------|
| 10/6/2011 | 1000 | 197741.728 | 352799.705 | 11.16 | ORANGE-01 |
| 10/6/2011 | 1001 | 197743.136 | 352813.266 | 10.732 | ORANGE-02 |
| 10/6/2011 | 1002 | 197744.779 | 352827.196 | 10.828 | ORANGE-03 |
| 10/6/2011 | 1003 | 197748.9 | 352834.861 | 10.898 | ORANGE-04 |
| 10/6/2011 | 1004 | 197766.139 | 352850.273 | 10.942 | ORANGE-05 |
| 10/6/2011 | 1005 | 197786.018 | 352838.14 | 11.287 | ORANGE-06 |
| 10/6/2011 | 1006 | 197786.653 | 352824.765 | 11.5 | ORANGE-07 |
| 10/6/2011 | 1007 | 197788.599 | 352811.5 | 11.829 | ORANGE-08 |
| 10/6/2011 | 1008 | 197786.224 | 352800.432 | 11.711 | ORANGE-09 |
| 10/6/2011 | 1009 | 197770.497 | 352798.147 | 11.869 | ORANGE-10 |
| 10/6/2011 | 1010 | 197763.399 | 352795.972 | 11.547 | ORANGE-11 |
| 10/6/2011 | 1011 | 197754.178 | 352799.637 | 11.514 | ORANGE-12 |
| 10/6/2011 | 1012 | 197735.9 | 352795.433 | 11.538 | PELV |
| 10/6/2011 | 1013 | 197732.61 | 352810.735 | 11.119 | PELV |
| 10/6/2011 | 1014 | 197743.023 | 352840.168 | 10.503 | PELV |
| 10/6/2011 | 1015 | 197749.758 | 352855.238 | 10.567 | PELV |
| 10/6/2011 | 1016 | 197766.583 | 352861.587 | 11.333 | PELV |
| 10/6/2011 | 1017 | 197791.082 | 352850.616 | 11.265 | PELV |
| 10/6/2011 | 1018 | 197791.205 | 352832.881 | 11.564 | PELV |
| 10/6/2011 | 1019 | 197791.482 | 352801.31 | 11.517 | PELV |
| 10/6/2011 | 1020 | 197762.55 | 352789.847 | 11.823 | PELV |
| 10/6/2011 | 1021 | 197742.146 | 352800.164 | 11.248 | EXCAVATION.LIMIT |
| 10/6/2011 | 1022 | 197744.489 | 352820.544 | 11.285 | EXCAVATION.LIMIT |
| 10/6/2011 | 1023 | 197742.088 | 352825.33 | 10.566 | EXCAVATION.LIMIT |
| 10/6/2011 | 1024 | 197746.734 | 352833.56 | 10.781 | EXCAVATION.LIMIT |
| 10/6/2011 | 1025 | 197750.399 | 352834.805 | 11.02 | EXCAVATION.LIMIT |
| 10/6/2011 | 1026 | 197753.195 | 352847.948 | 11.196 | EXCAVATION.LIMIT |
| 10/6/2011 | 1027 | 197759.806 | 352848.831 | 10.859 | EXCAVATION.LIMIT |
| 10/6/2011 | 1028 | 197770.739 | 352850.177 | 10.96 | EXCAVATION.LIMIT |
| 10/6/2011 | 1029 | 197779.026 | 352849.647 | 11.173 | EXCAVATION.LIMIT |
| 10/6/2011 | 1030 | 197786.585 | 352843.868 | 11.115 | EXCAVATION.LIMIT |
| 10/6/2011 | 1031 | 197786.566 | 352834.888 | 10.638 | EXCAVATION.LIMIT |
| 10/6/2011 | 1032 | 197787.11 | 352818.407 | 11.243 | EXCAVATION.LIMIT |
| 10/6/2011 | 1033 | 197774.079 | 352800.183 | 11.244 | EXCAVATION.LIMIT |
| 10/6/2011 | 1034 | 197764.426 | 352797.312 | 11.571 | EXCAVATION.LIMIT |
| 10/6/2011 | 1035 | 197753.658 | 352799.628 | 11.552 | EXCAVATION.LIMIT |
| 10/6/2011 | 1036 | 197743.943 | 352800.987 | 8.994 | WE-33-SW-013 |
| 10/6/2011 | 1037 | 197745.114 | 352807.999 | 8.236 | WE-33-SW-012 |
| 10/6/2011 | 1038 | 197745.756 | 352815.758 | 7.836 | WE-33-SW-011 |
| 10/6/2011 | 1039 | 197747.295 | 352824.862 | 8.237 | WE-33-SW-010 |

SITE 7 REMOVAL ACTION EXCAVATION SURVEY COORDINATES

| DATE | POINT | Y ¹ | X ¹ | DEPTH ² | LOCATION IDENTIFIER |
|-----------|-------|----------------|----------------|--------------------|---------------------|
| 10/6/2011 | 1040 | 197752.591 | 352834.59 | 7.471 | WE-33-SW-009 |
| 10/6/2011 | 1041 | 197753.016 | 352844.105 | 7.899 | WE-33-SW-008 |
| 10/6/2011 | 1042 | 197760.431 | 352845.784 | 6.995 | WE-33-SW-007 |
| 10/6/2011 | 1043 | 197772.13 | 352846.665 | 7.212 | WE-33-SW-006 |
| 10/6/2011 | 1044 | 197784.873 | 352838.777 | 7.948 | WE-33-SW-005 |
| 10/6/2011 | 1045 | 197784.503 | 352829.607 | 6.967 | WE-33-SW-004 |
| 10/6/2011 | 1046 | 197784.95 | 352818.639 | 9.009 | WE-33-SW-003 |
| 10/6/2011 | 1047 | 197765.207 | 352801.48 | 8.838 | WE-33-SW-002 |
| 10/6/2011 | 1048 | 197754.436 | 352801.174 | 8.529 | WE-33-SW-001 |
| 10/6/2011 | 1049 | 197746.216 | 352800.824 | 8.081 | BOT.EXCAVATION |
| 10/6/2011 | 1050 | 197743.515 | 352803.595 | 8.1 | BOT.EXCAVATION |
| 10/6/2011 | 1051 | 197746.219 | 352813.249 | 7.765 | BOT.EXCAVATION |
| 10/6/2011 | 1052 | 197746.629 | 352820.824 | 7.745 | BOT.EXCAVATION |
| 10/6/2011 | 1053 | 197749.399 | 352826.168 | 6.857 | BOT.EXCAVATION |
| 10/6/2011 | 1054 | 197752.341 | 352833.001 | 6.911 | BOT.EXCAVATION |
| 10/6/2011 | 1055 | 197752.382 | 352838.586 | 6.272 | BOT.EXCAVATION |
| 10/6/2011 | 1056 | 197753.77 | 352843.056 | 6.014 | BOT.EXCAVATION |
| 10/6/2011 | 1057 | 197761.735 | 352845.796 | 5.952 | BOT.EXCAVATION |
| 10/6/2011 | 1058 | 197769.567 | 352848.717 | 5.793 | BOT.EXCAVATION |
| 10/6/2011 | 1059 | 197771.528 | 352843.872 | 6.243 | BOT.EXCAVATION |
| 10/6/2011 | 1060 | 197774.736 | 352841.118 | 5.844 | BOT.EXCAVATION |
| 10/6/2011 | 1061 | 197784.031 | 352836.39 | 6.699 | BOT.EXCAVATION |
| 10/6/2011 | 1062 | 197784.374 | 352829.314 | 7.064 | BOT.EXCAVATION |
| 10/6/2011 | 1063 | 197782.563 | 352820.151 | 7.477 | BOT.EXCAVATION |
| 10/6/2011 | 1064 | 197770.412 | 352804.984 | 7.159 | BOT.EXCAVATION |
| 10/6/2011 | 1065 | 197764.27 | 352803.807 | 8.126 | BOT.EXCAVATION |
| 10/6/2011 | 1066 | 197758.075 | 352801.179 | 8.548 | BOT.EXCAVATION |
| 10/6/2011 | 1067 | 197750.979 | 352800.759 | 8.149 | BOT.EXCAVATION |
| 10/6/2011 | 1068 | 197751.371 | 352807.723 | 8.191 | SPOT |
| 10/6/2011 | 1069 | 197751.923 | 352816.461 | 7.755 | WE-33-SW-014 |
| 10/6/2011 | 1070 | 197747.61 | 352805.093 | 7.976 | WE-33-SW-015 |
| 10/6/2011 | 1071 | 197758.381 | 352805.69 | 8.546 | WE-33-SW-016 |
| 10/6/2011 | 1072 | 197760.562 | 352808.012 | 8.376 | SPOT |
| 10/6/2011 | 1073 | 197757.928 | 352811.505 | 7.968 | SPOT |
| 10/6/2011 | 1074 | 197756.583 | 352815.622 | 8.119 | SPOT |
| 10/6/2011 | 1075 | 197756.27 | 352820.382 | 7.167 | SPOT |

SITE 7 REMOVAL ACTION EXCAVATION SURVEY COORDINATES

| DATE | POINT | Y ¹ | X ¹ | DEPTH ² | LOCATION IDENTIFIER |
|-----------|-------|----------------|----------------|--------------------|---------------------|
| 10/6/2011 | 1076 | 197751.385 | 352818.752 | 8.03 | SPOT |
| 10/6/2011 | 1077 | 197755.024 | 352826.285 | 7.312 | SPOT |
| 10/6/2011 | 1078 | 197759.247 | 352835.433 | 6.873 | SPOT |
| 10/6/2011 | 1079 | 197755.002 | 352839.988 | 6.093 | SPOT |
| 10/6/2011 | 1080 | 197764.388 | 352841.033 | 5.266 | SPOT |
| 10/6/2011 | 1081 | 197763.053 | 352833.624 | 5.285 | SPOT |
| 10/6/2011 | 1082 | 197758.438 | 352825.822 | 4.924 | SPOT |
| 10/6/2011 | 1083 | 197762.838 | 352819.146 | 5.663 | SPOT |
| 10/6/2011 | 1084 | 197765.216 | 352808.848 | 6.74 | SPOT |
| 10/6/2011 | 1085 | 197768.183 | 352815.755 | 6.505 | SPOT |
| 10/6/2011 | 1086 | 197771.802 | 352822.901 | 5.95 | SPOT |
| 10/6/2011 | 1087 | 197775.917 | 352827.528 | 6.272 | SPOT |
| 10/6/2011 | 1088 | 197778.499 | 352831.291 | 6.527 | SPOT |
| 10/6/2011 | 1089 | 197777.093 | 352836.107 | 5.815 | SPOT |
| 10/6/2011 | 1090 | 197770.153 | 352839.337 | 5.501 | SPOT |
| 10/6/2011 | 1091 | 197768.866 | 352844.282 | 4.825 | SPOT |
| 10/6/2011 | 1092 | 197767.667 | 352821.388 | 5.585 | SPOT |
| 10/6/2011 | 1093 | 197768.978 | 352826.066 | 5.753 | SPOT |
| 10/6/2011 | 1094 | 197769.542 | 352830.983 | 5.654 | SPOT |
| 10/6/2011 | 1095 | 197767.137 | 352828.491 | 5.266 | SPOT |
| 10/6/2011 | 1096 | 197773.21 | 352833.491 | 5.936 | SPOT |
| 10/6/2011 | 1097 | 197769.524 | 352838.754 | 5.33 | SPOT |
| 10/6/2011 | 1098 | 197760.492 | 352823.259 | 5.077 | SPOT |
| 10/6/2011 | 1099 | 197760.816 | 352831.34 | 4.979 | SPOT |
| 10/6/2011 | 1100 | 197765.835 | 352837.219 | 5.505 | SPOT |
| 10/6/2011 | 1101 | 197764.675 | 352842.674 | 4.38 | SPOT |
| 10/6/2011 | 1102 | 197712.206 | 352825.14 | 11.208 | DPT15-3I_RIM |
| 10/6/2011 | 1103 | 197712.243 | 352827.908 | 12.828 | MW07-15D_TOP |
| 10/6/2011 | 1104 | 197723.977 | 352844.087 | 10.885 | DPT-15-1D_RIM |
| 10/6/2011 | 1105 | 197724.107 | 352846.338 | 10.717 | DPT-15-2I_RIM |
| 10/6/2011 | 1106 | 197731.09 | 352860.604 | 10.846 | DPT15-5-I_RIM |
| 10/6/2011 | 1107 | 197733.42 | 352861.099 | 10.8 | DPT15-4-D_RIM |
| 11/2/2011 | 1108 | 197780.436 | 352848.709 | 11.533 | WE-33-SW-25 |
| 11/2/2011 | 1109 | 197766.561 | 352796.514 | 11.624 | WE-33-SW-21/22 |
| 11/2/2011 | 1110 | 197775.856 | 352802.143 | 11.817 | WE-33-SW-23 |
| 11/2/2011 | 1111 | 197781.827 | 352810.178 | 11.881 | WE-33-SW-24 |

¹ NAD_1983_StatePlane_Rhode_Island_FIPS_3800_Feet

² Elevation reference - NAVD 1988

PELV - perimeter elevations

BOT - Bottom of the excavation

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APPENDIX H

ACTION MEMORANDUM (WITH PUBLIC NOTICE AND REGULATOR CONCURRENCE)

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ACTION MEMORANDUM

DATE: November 22 2011

FROM: David A. Barney, BRAC Environmental Coordinator, Naval Construction Battalion Center, Davisville, Rhode Island

SUBJECT: Time Critical Removal Action
Site 7 – Calf Pasture Point
Naval Construction Battalion Center, Davisville, Rhode Island

1.0 PURPOSE

The purpose of this Action Memorandum is to document the decision by the Department of the Navy (Navy) to conduct a Time Critical Removal Action (TCRA) to remove containers of decontamination agent non-corrosive (DANC) and surrounding impacted soil from Site 7 – Calf Pasture Point (Site 7) at Naval Construction Battalion Center (NCBC), Davisville, Rhode Island.

This TCRA is being conducted to reduce potential risks to public health, welfare, and the environment posed by the containers of DANC and associated impacted soil.

The Department of Defense (DoD) has the authority to undertake Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) response actions, including removal actions, under Title 42 of the United States Code (U.S.C.) Section (§) 9604, 10 U.S.C. § 2705, and federal Executive Orders 12580 and 13016. There are no nationally significant or precedent-setting issues for Site 7.

The containers, container debris, and visually impacted surface and subsurface soil at the site have been removed during this TCRA, and the preparation of closeout documentation is underway. This action memorandum is being made available to the public within 60 days of mobilization for site activities. Mobilization for the removal action occurred on 26 September 2011. The excavation of the containers and soil was completed on 10 October 2011.

2.0 NCBC DAVISVILLE BACKGROUND

NCBC Davisville is located in the Town of North Kingstown, Rhode Island, approximately 18 miles south of the state capital, Providence. The Navy acquired the adjacent property in 1939 and built Naval Air Station (NAS) Quonset Point. By 1942, this property was developed for training activities, including the NCBC at Davisville. After World War II, the NAS remained in operation, but the NCBC was inactive until 1951 when the activity was designated Naval Construction Battalion Center Headquarters. Operations at NCBC Davisville were subsequently

reduced in 1974. NCBC Davisville was selected for closure in 1991, was decommissioned on March 25, 1994, and was officially closed on April 1, 1994.

NCBC Davisville was placed on the U.S. Environmental Protection Agency (EPA) National Priorities List (NPL) on November 21, 1989. In response to the NPL listing, a Federal Facilities Agreement (FFA) was established in 1992 between the Navy, the EPA, and the Rhode Island Department of Environmental Management (RIDEM) to coordinate investigation and remedial response activities to be conducted at the former NCBC Davisville under the Installation Restoration Program (IRP) program and CERCLA. Following issue of the Record of Decision (ROD) for Site 7 in 1999 and a Finding of Suitability for Transfer (FOST) in 2000, Calf Pasture Point was transferred to the U.S. Department of the Interior, and subsequently to the Town of North Kingstown in 2001 for use as a park.

3.0 SITE DESCRIPTION

This section presents an assessment of the environmental conditions at Site 7. The Site 7 conditions have been evaluated through several previous and ongoing investigations as discussed below.

a. BACKGROUND.

Site 7 is located on the southern portion of Calf Pasture Point, which is a peninsula in the northeastern section of NCBC Davisville. Calf Pasture Point is bounded to the southwest and south by Allen harbor and its entrance channel, respectively; to the east by Narragansett Bay; and to the west and north by Sanford Road. Site 7 comprises the area of Calf Pasture Point south of the former munitions bunkers, i.e. south of the bedrock outcrop and generally east of the dirt access road that extends south to Allen Harbor’s entrance channel shoreline. A site map and location of the removal action is included in Figure 1..

b. SITE EVALUATION.

Previous evaluations of site 7 are summarized in the table below. Additional details can be found in the Second Five-Year Review Report for Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island, Tetra Tech NUS, Inc., March 2008.

| YEAR | ACTIVITY |
|------|--|
| 1984 | Basewide Initial Site Assessment Study |
| 1987 | Basewide Confirmation Study |
| 1998 | Remedial Investigation / Feasibility Study / Proposed Plan |

| | |
|------|---|
| 1999 | Record of Decision |
| 2000 | Finding of Suitability to Transfer for Parcel 9 containing Calf Pasture Point signed and property transferred to the Town of North Kingston |
| 2003 | First Five Year Review |
| 2008 | Second Five Year Review |
| 2011 | Source Area Investigation identified the location of the containers of DANC |

c. RELEASE OR THREATENED RELEASE INTO THE ENVIRONMENT OF A HAZARDOUS SUBSTANCE, OR POLLUTANT OR CONTAMINANT.

Site 7 was reported to have contained up to 2,500 three to four gallon metal pails of DANC which were buried in a trench approximately twenty by thirty feet and within three feet of the land surface. The DANC pails were presumed to be buried at Site 7 between 1968 and 1972. The containers were packaged in a two component container of 1,1,2,2-tetrachloroethane (PCA) and 1,3-dichloro-5,5-dimethyl-hydantoin (RH-195). There is a chlorinated solvent groundwater plume associated with Site 7 and the Conceptual Site Model suggests DANC containers have leaked solvents to the groundwater. PCA and trichloroethene (TCE), an abiotic degradation product of PCA, in the 100s of milligram per kilogram (mg/kg) range have impacted saturated soils down-gradient of the container disposal area. Also, corroded metal container debris and white powder, believed to be RH-195, were observed when test pitting activities positively identified the containers in May 2011.

d. NATIONAL PRIORITIES LIST (NPL) STATUS.

The former NCBC Davisville was placed on the NPL in November 1989 by EPA pursuant to CERCLA (CERCLIS ID No. RI6170022036). During its operational period, NCBC Davisville was owned by the U.S. Government, and was operated by the Department of the Navy. Therefore, the Navy is required to take response actions pursuant to CERCLA and the terms of the FFA.

4.0 OTHER ACTIONS TO DATE

a. PREVIOUS ACTIONS.

No other removal actions have been conducted to date at Site 7.

b. INVESTIGATIONS AND ASSESSMENTS.

Several investigations have been conducted at Site 7 as noted in Section 3b of this document, above. A summary of these investigations can be found in the *Second Five-Year Review Report*

for Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island, Tetra Tech NUS, Inc., March 2008.

c. CURRENT ACTIONS.

In accordance with the Record of Decision, Site 7 is currently subject to Land Use Controls (LUCs) and Long Term Monitoring (LTM). A source area investigation was initiated in the spring of 2011 (Tetra Tech, 2011). One goal of the source investigation was to positively locate these buried containers. This TCRA to remove the DANC containers is underway as of November 2011.

5.0 STATE AND LOCAL AUTHORITIES ROLE

a. STATE AND LOCAL ACTIONS TO DATE.

The Navy is the lead federal agency at Site 7 pursuant to the Defense Environmental Restoration Act at 10 U.S.C §§ 2701 through 2710 and CERCLA, the NCP, and the delegation of Presidential authority under federal Executive Orders 12580 and 13016. Pursuant to 10 U.S.C. § 2705, the Navy is required to ensure that state and local officials be given timely opportunity to review and comment on the Navy's response actions. State and local authorities have not undertaken any removal actions at Site 7; however, they provide oversight of studies and actions conducted by the Navy. The EPA and RIDEM provides oversight of actions and review of documents for the Site.

The local community has been involved in the site investigation and remediation processes at NCBC Davisville through use of Technical Review Committees, Restoration Advisory Board (RAB) meetings, press releases, Fact Sheets, and public meetings. A detailed description of community participation can be found in the *Final Record of Decision, Site 7 – Calf Pasture Point, Naval Construction Battalion Center, Davisville, Rhode Island, EA Engineering, Science, and Technology, September 1999*. RABs are conducted twice per year, and notification of this removal action was provided during the RAB meeting held on September 22, 2011.

No enforcement orders or agreements have been issued that are relevant to this TCRA.

b. POTENTIAL FOR CONTINUED STATE AND LOCAL RESPONSE.

The EPA and RIDEM will continue to oversee the investigations and removal actions and the local community will continue to provide input on actions conducted at Site 7 through the RAB.

6.0 THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

Potential threats to public health, welfare or the environment posed by site contaminants, and statutory and regulatory authorities that apply to Site 7 are discussed in this section.

a. THREATS TO PUBLIC HEALTH OR WELFARE.

The buried DANC containers and concentrations of chlorinated solvents in the groundwater at Site 7 pose a risk to human health; however, LUCs are currently in place to minimize the potential for human exposure by restricting the use of groundwater and restricting building construction without appropriate ventilation. There is no restriction on digging or excavation by the public at Calf Pasture Point. Therefore, removal of the DANC containers will reduce the potential human health risks at Site 7 by eliminating the potential for exposure via excavation. This removal action will also eliminate the source of the solvent plume.

b. THREATS TO THE ENVIRONMENT.

Previous ecological risk assessments and ongoing studies at Site 7 have indicated that there is no threat to the ecological receptors or the environment. Removal of the DANC containers will reduce the potential for expansion and migration of the solvent plume by removing the source.

c. REGULATORY AUTHORITIES.

The EPA enforces cleanup of CERCLA sites where exposure is found to result in elevated risk to human or environmental receptors. Both the EPA and RIDEM will oversee the TCRA and any follow up action.

7.0 ENDANGERMENT DETERMINATION

Actual or threatened releases of pollutants and contaminants from Site 7, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment. The Navy has determined that this threat can be abated, minimized, or eliminated by undertaking a TCRA.

8.0 PROPOSED ACTIONS AND ESTIMATED COSTS

This section describes the proposed TCRA to mitigate the conditions cited in Section 6 of this document, above. This section also discusses ARARs and presents the estimated costs for the TCRA.

a. PROPOSED ACTION.

The proposed TCRA consists of excavation, transportation, and off-site disposal of DANC containers, container debris, and visually impacted soil. Following excavation, confirmatory soil samples were collected from the sidewalls and floor of the excavation. The removal area was backfilled with clean fill, graded to the pre-existing base grade elevation present across the site, and the disturbed areas will be restored and reseeded. This work has already been completed as of November, 2011.

Public notification of the Site 7 TCRA was provided via legal notice published in the local newspaper on the week of November 20, 2011. The legal notice identified the availability and location of this Action Memorandum for public review. Comments received from the EPA and RIDEM on the Removal Action Work Plan were received and taken into consideration in support of the TCRA.

The major components of the proposed removal action and the basis for the proposal are provided below. Details of the actions and methods to perform the TCRA were described in a Removal Action Work Plan. This Action Memorandum will be placed in the local Information Repositories and will be available to the public and to the regulators. The following paragraphs describe the major components of this proposed action.

- Removal Action Work Plan – A Removal Action (RA) Work Plan was prepared and submitted. The RA Work Plan described the details of the removal, the schedule, sampling to be conducted, and the proposed excavation limits.
- Site Setup – Prior to the start of excavation, access haul roads, staging areas, decontamination areas and site access controls were set up and any buried utilities were located and marked accordingly. Fences were opened as necessary for bringing equipment and materials to the site, then re-secured.
- Erosion Control – Erosion control measures were set up to prevent the migration of sediment from any disturbed ground surface areas on site. This will be done before any ground disturbing activities begin.
- Clearing – Vegetation was cleared from the work area as necessary to make it accessible to personnel and equipment for the removal activities. Cleared vegetation was chipped and staged on site for later reuse during the restoration phase.
- Monitoring Well (MW) Abandonment – Existing MWs that were anticipated to be impacted during the removal action were properly abandoned prior to commencing excavation activities. The MWs will be replaced as necessary for continued groundwater monitoring after the removal action is completed.
- Removal Activities – The removal area consisted of an approximate 20 foot wide by 30 foot long footprint excavated to a maximum depth of 10 feet, or until all containers and container debris were removed. The removal included the DANC containers, container debris and visually impacted soil and it is estimated that approximately 350

tons of material were removed. The material was directly loaded into dump trucks for transportation and disposal.

- Waste Disposal – The material to be removed was sampled and analyzed prior to excavation for characterization purposes and to facilitate disposal. After profiling and manifesting, the material was transported to a licensed disposal facility (EQ Wayne Disposal, Inc.) in Michigan.
- Confirmation Sampling – Confirmation samples were collected from the bottom and sides of the excavation and were analyzed for volatile organic compounds. The RA Work Plan specified the frequency of sampling. The analytical results are being compared to Rhode Island Department of Environmental Management (RIDEM) residential direct exposure criteria to confirm the excavation removed all of the container and contaminated soil.
- Site Restoration – The excavated area was surveyed and a permeable marker liner was placed in the excavation to clearly delineate the excavation extents in the event future action is required. The excavation was backfilled with approved clean fill as described in the RA Work Plan. The excavated areas and other areas disturbed during the removal action are being restored to the original elevation, covered with the cleared vegetation chippings, and native vegetation will be re-established to prevent surface erosion. All equipment and temporary haul roads, fencing, and facilities have been removed from the site.
- A Removal Action Completion Report (RACR) will be prepared that documents this removal action. The RACR is being prepared as of November, 2011 and will be reviewed by the EPA and RIDEM. The RACR will also incorporate any input received from the public review of this AM.

b. CONTRIBUTION TO REMEDIAL PERFORMANCE.

This removal action is expected to remove the source of the chlorinated solvent plume at Site 7. If conditions are encountered after the removal action that warrant continued action at the site, those actions will be evaluated by the Navy, EPA and RIDEM and addressed as necessary. This, in conjunction with the current land use controls and long term monitoring, will provide long-term effectiveness and permanent protection for human health and the environment.

c. APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARS).

A full listing of ARARs for Site 7 can be found in the Final Record of Decision, Site 7 – Calf Pasture Point, Naval Construction Battalion Center, Davisville, Rhode Island, EA Engineering, Science, and Technology, September 1999. This removal action is being conducted in accordance with CERCLA and all regulations regarding the excavation, transportation and disposal of hazardous materials/wastes.

d. PROJECT SCHEDULE.

The buried container removal was conducted during a three week period in October 2011 and the preparation of closeout documentation is underway as of November, 2011.

e. ESTIMATED COSTS.

The cost for the proposed removal action is approximately \$400,000. There are no long term operation, maintenance, or monitoring costs associated with this removal action.

***9.0 EXPECTED CHANGE IN THE SITUATION SHOULD
ACTION BE DELAYED OR NOT TAKEN***

If the removal action were not conducted, the Site 7 source waste materials would have remained in place and the public could have been inadvertently exposed to them over time.

10.0 OUTSTANDING POLICY ISSUES

None identified at this time.

11.0 ENFORCEMENT

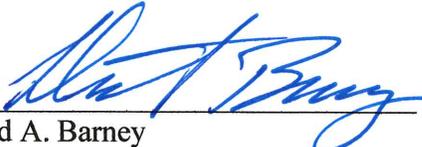
The removal action is being undertaken voluntarily by the Navy in accordance with CERCLA and the FFA for NCBC Davisville. The regulatory agencies are anticipated to remain in an oversight role for the duration of the removal action and RACR to ensure compliance with regulations under CERCLA.

***12.0* RECOMMENDATION**

This Action Memorandum was developed in accordance with current EPA and Navy guidance documents for removal actions under CERCLA (EPA, 1990; Navy, 2006). This Action Memorandum documents, for the Administrative Record, the Navy's decision to undertake a TCRA at Site 7.

The removal of the DANC containers, container debris, and associated impacted soil will reduce the potential human health and ecological risks of exposure to contaminants at Site 7. The Navy, therefore, is implementing, completing and documenting this time critical removal action.

Approvals:



David A. Barney
BRAC Environmental Coordinator
NCBC Davisville

11/18/11

Date

REFERENCES

42 U.S.C. § 7401 et seq., Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act of 1986.

Department of the Navy, 2006. *Navy Environmental Restoration Program Manual*.

EA Engineering, Science, and Technology, 1999. *Final Record of Decision, Site 7 – Calf Pasture Point, Naval Construction Battalion Center, Davisville, Rhode Island*. September.

U.S. Navy, 2000. *Finding of Suitability to Transfer Parcel 9 to the U.S. Department of the Interior for transfer to the Town of North Kingstown, Rhode Island*.

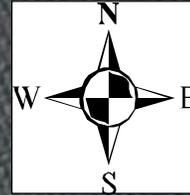
Tetra Tech NUS, 2008. *Second Five-Year Review Report for Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island*. March.

Tetra Tech, 2011, *Draft Final Sampling and Analysis Plan Source Area Investigation Site 07, Calf Pasture Point Former Naval Construction Battalion Center Davisville, North Kingstown, Rhode Island*

U.S. Environmental Protection Agency (EPA), 1990. *Superfund Removal Procedures: Action Memorandum Guidance*. Office of Solid Waste and Emergency Response Directive 9360.3-01. September.

Legend

-  LAND-USE RESTRICTION BOUNDARY
-  PARCEL PROPERTY BOUNDARY



PARCEL NO. 9
(See Deed for Groundwater and Land-Use Restrictions on the Entire Parcel 9)

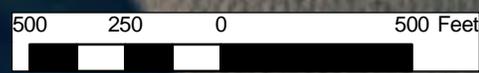
LOCATION OF REMOVAL ACTION

NOTE:
See Deed for Building Restrictions in Area South of this Line

ALLEN HARBOR

ENTRANCE CHANNEL

NARRAGANSETT BAY



| | | | | | |
|--|----------|--|----|------------------|------------------|
|  | | Shaw Environmental & Infrastructure, Inc. 500 East Main Street, Suite 1630 Norfolk, Virginia 23510 | | DS 07/13/2011 | DS 07/13/2011 |
| DESIGNED BY | DS | CHECKED BY | DS | 07/13/2011 | 07/13/2011 |
| DRAWN BY | TFR | APPROVED BY | DS | 07/13/2011 | 07/13/2011 |
| DEPARTMENT OF NAVY FORMER NCBC DAVISVILLE  NAVFAC Naval Facilities Engineering Command NCBC SITE 7 | | LOCATION OF TIME CRITICAL REMOVAL ACTION | | | |
| SCALE: | AS SHOWN | SIZE: | 1 | | |
| CONTRACT TASK ORDER: WE33 | | | | | |
| CONTRACT NO.: N62470-08-D-1007 | | | | | |
| NAVFAC DRAWING NO. | | | | | |
| FIGURE 1 | | | | | |

N:\RhodeIsland\NCBC_Davisville\NCBC_DavisSite7.mxd\teresa.robinson\NAD_1983_StatePlane_Rhode_Island_FIPS_3800_Feet



187 Main Street
Wakefield, RI 02879
401-789-9744 tel
401-789-1550 fax
www.ricentral.com

December 8, 2011

Mark A. Pisarcik
Project Manager
Shaw Environmental, Inc.
500 East Main Street, Suite 1630
Norfolk, VA 23510

Enclosed please find your tear sheet for the Notice of Availability ad that ran on November 24, 2011.

Please advise if we may be of any further assistance.

Regards,

Esther Vann Diggins
Southern RI Newspapers
Kent County Daily Times
Tel.401-789-9744 X120
Fax. 401-789-1550
ediggins@ricentral.com

The Narragansett Times (Pubs Wed. & Fri.)
The North Kingstown Standard Times (Pubs. Thursday)
The East Greenwich Pendulum (Pubs. Thursday)
The Chariho Times (Pubs. Thursday)
The Coventry Courier (Pubs. Friday)
The Kent County Daily Times (Pubs. Mon. - Sat.)

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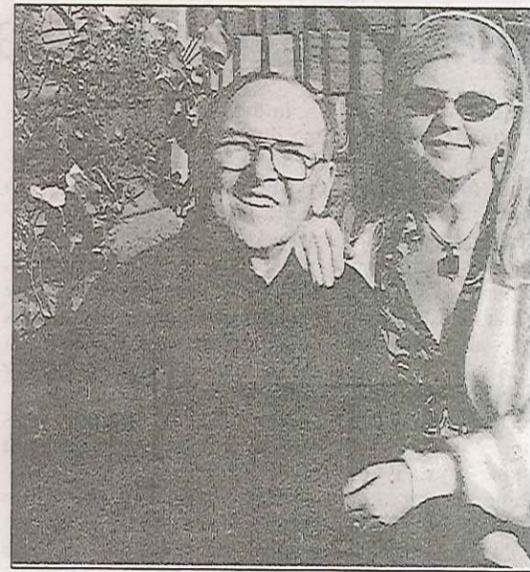


PHOTO
Ron and Brenda Grundy have been coordinating Kingstown Salvation Army Christmas appeal for

Legal Notices

NOTICE OF LIEN & FORECLOSURE

EXTRA SPACE STORAGE
1815 Plainfield Pike
Johnston RI 02919

This demand for cash payment or certified funds payment is made relative to the following:

I136-TODD ZOPPO \$398.00

You must pay the balance due by DECEMBER 1ST, 2011. Additional costs will be incurred if payment is further delayed. Should you fail to comply, an owner's lien will be imposed and the property you stored with us and will be advertised for sale and sold at public auction on DECEMBER 21, 2011. Such auction will be held at the address shown above to satisfy our lien.

NOVEMBER 24, 2011 NOTICE OF AVAILABILITY

ACTION MEMORANDUM FOR TIME CRITICAL REMOVAL ACTION INSTALLATION RESTORATION SITE 7 - CALF PASTURE POINT FORMER NAVAL CONSTRUCTION BATTALION CENTER DAVISVILLE NORTH KINGSTOWN, RI

The U.S. Navy, in coordination with state and federal environmental regulatory agencies, is announcing the public availability of the Action Memorandum (AM) for a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) time critical removal action at Installation Restoration Site 7, NCBC Davisville, North Kingstown, Rhode Island. The removal action is for the excavation of buried decontaminating agent non-corrosive (DANC) containers. Site 7 is located on the southern portion of Calf Pasture Point and to the east of an access road that extends between Sanford Road and Allen Harbor. The AM recommends removal and off-site disposal of the buried DANC containers, container debris, and affected surface and subsurface soils. In accordance with this AM, the buried containers, soil and debris have been removed. The AM is being made available to the public within sixty days of mobilization to perform the removal action. Mobilization occurred on September 26, 2011.

PUBLIC COMMENT PERIOD

The Action Memorandum is available for public review and the Navy will accept comments during the 30-day public comment period held from November 23 through December 22, 2011. Public

North Kingstown, RI 02852



EXETER ZONING BOARD OF REVIEW December 8, 2011

AGENDA

A REGULAR MEETING of the Exeter Zoning Board of Review will be held on Thursday, December 8, 2011 at 7:30pm, in the Town Council Chambers of the Exeter Town Hall, 675 Ten Rod Road, Exeter, RI when all persons will be heard for or against the following applications for dimensional variance or special permit under the Zoning Ordinance:

The petition of Gashy Dowlatshahi, applicant and owner of property located at 374 South County Trail, Exeter, RI, Zoned RU-4, and further designated as Assessor's Plat 67, Block 2, Lot 3. A request for a special use permit provided under Exeter Zoning Ordinance, Article II, Section 2.4.1.48 and dimensional relief under Section 2.4.2.2.5.6 to construct a 40'x60' building with service bay and professional office space.

Correspondence: Board
Recommendations of December and January Agendas
Administrative Issues:
Invoice Approval:
Minutes: November 10, 2011
Solicitor's Report:
Zoning Inspector's Report:
Future Meeting: January 12, 2012
Adjournment:

The public is welcome to any meeting of the Exeter Zoning Board. If communications assistance is needed or any other accommodation to ensure equal participation, please contact the Town Clerk's Office (295-7500) at least three (3) business days prior to the meeting. The Exeter Town Hall is handicapped accessible.

**TOWN OF EXETER
NOTICE OF PUBLIC HEARING
AMENDMENT TO EXETER CODE OF ORDINANCES:
CHAPTER 18, BUSINESS,
ARTICLE VI: HAWKERS
AND PEDDLERS
DECEMBER 5, 2011,
7:00 P.M.**

Notice is hereby given that a Public Hearing will be held before the Town Council of the Town of Exeter for all interested persons during the Regular Meeting of the Exeter Town Council to be held Monday, December 5, 2011, at 7:00 p.m., in Council Chambers, Exeter Town Hall, 675 Ten Rod Road, Exeter, Rhode Island.

The purpose of the Public

ry impairments requiring auxiliary aids by calling 295-7500. The Exeter Town Hall is handicapped accessible.

Per Order of the
Exeter Town Council,
Lynn M. Hawkins,
Exeter Town Clerk

**TOWN OF EXETER
NOTICE OF PUBLIC HEARING
AMENDMENT TO EXETER CODE OF ORDINANCES:
CHAPTER 50, WATERWAYS,
ARTICLE II:
MOTOR-POWERED
BOATS ON BOONE LAKE"
DECEMBER 5, 2011
7:00 P.M.**

Notice is hereby given that a Public Hearing will be held before the Town Council of the Town of Exeter for all interested persons during the Regular Meeting of the Exeter Town Council to be held Monday, December 5, 2011, at 7:00 p.m., in Council Chambers, Exeter Town Hall, 675 Ten Rod Road, Exeter, Rhode Island.

The purpose of the Public Hearing is to consider an amendment to the Exeter Code of Ordinances by adoption of an ordinance entitled "Chapter 50, Waterways, Article II: Motor-Powered Boats on Boone Lake." The purpose of this amendment is to increase the maximum size of motors allowed on boats operating on Boone Lake from 45 HP to 50 HP.

Copies of the proposed ordinance may be examined in the Office of the Town Clerk during normal business hours. The proposed ordinance may be altered or amended prior to the close of the Public Hearing without further advertising, as a result of further study, or because of the views expressed at the Public Hearing. Any such alteration or amendment must be presented for comment in the course of said Public Hearing.

A forty-eight (48) hour notice is required for persons with sensory impairments requiring auxiliary aids by calling 295-7500. The Exeter Town Hall is handicapped accessible.

Per Order of the
Exeter Town Council,
Lynn M. Hawkins,
Exeter Town Clerk



**TOWN OF
NORTH KINGSTOWN
NOTICE OF
PUBLIC HEARING**

Notice is hereby given that the Town of North Kingstown Zoning Board of Review will hold a public hearing on December 13, 2011 at 7:00pm in the Town Hall Conference Room, 80 Boston Neck Road.

The North Kingstown School Department, 100 Fairway Drive, North Kingstown, RI 02852, requests bids for the following:

**Bid #12-23
Proposal for Advertising -
Events, Athletics and at
School Facilities Generally**

Bids are to be submitted no later than 10:00 a.m. Wednesday, December 14, 2011. For information concerning the bids please call Ev Quinn at 401-268-6426 or email evelyn_quinn@nksd.net

Individuals requesting interpreter services for the hearing impaired must call (401) 268-6412 or TDD (401) 268-6457 seventy-two hours in advance of the bid opening.

Ned Draper
Director of
Administrative Services

**TOWN OF
NORTH KINGSTOWN
NOTICE OF
PUBLIC HEARING**

Notice is hereby given that the Town of North Kingstown Zoning Board of Review will hold a public hearing on Tuesday, December 13, 2011 at 7:00 PM in the Town Hall Conference Room, 80 Boston Neck Road, North Kingstown, Rhode Island, for the purpose of hearing all persons for or against the following request:

Request by Jo-Ann Fede for the approval of a Dimensional Variance for construction of a single family home located at 174 Sauga Avenue, Plat 142, Lot 187 as provided for in Section 21-11 of the Zoning Ordinance.

The Town of North Kingstown will provide interpreters for the hearing impaired that three (3) days written notice is given in advance.

Plans of this application may be examined at the North Kingstown Department of Planning & Development, 55 Brown Street, during normal business hours.

**TOWN OF
NORTH KINGSTOWN
NOTICE OF
PUBLIC HEARING**

A public informational hearing will be held for all interested persons in the Town Hall Conference Room, 80 Boston Neck Road, North Kingstown, Rhode Island on Tuesday, December 6, 2011 at 7:30 PM for the purpose of considering the following major subdivision of land:

Master plan major subdivision application of Richard Schartner for Slocum Farm Agricultural and Residential Village, a proposed 21-unit major conservation subdivision and land development located at Exeter

Bells are ringing for kettle campaign



TELL ME YOUR STORY
Martha Smith

NORTH KINGSTOWN - Today, let us give thanks for the Salvation Army, particularly the work done by Ron and Brenda Grundy, members of First Baptist Church in Wickford, who are celebrating their 11th year as coordinators of the local kettle drive.

Ron is a retired draftsman/stone engineer in building and Brenda teaches kindergarten in North Providence, a school system for which she previously taught special education.

The former North Kingstown residents moved to Johnson six years ago when Brenda's father died and she needed to take care of his property. Still, they return here each holiday season to organize the kettle drive.

They schedule civic groups, schools, churches and volunteers to ring bells and collect donations; all the money received stays here to meet local needs.

"It's a lot of work," Brenda admits, "but the help we get is awesome."

Among the programs benefiting from the kettle campaign is the back-to-school shoe plan in which kids receive vouchers to exchange for new shoes. Another is special camperships including one given last year to send a girl on a retreat for youngsters with diabetes.

"There's no end to the emergencies you're dealing with all the time," says Brenda. Earmarking the funds gathered locally to fulfill needs in the community is unique, she adds. "They don't have anything like this anywhere else in the state."

Besides the usual, tried-and-true folks manning the kettles, this year the Grundys are hoping to attract younger people and, perhaps, families who want to teach their children about altruism.

This year kettles will be set up Dec. 1-2 during Wickford's Festival of Lights, and on three

Saturdays - Dec. 3, 10, 17, 24 at four locations: 1. on Tower Hill F. Shop on French Super Stop & S mart, both on Ten

The Grundys involved with the when they were replace someone many other charities, have become "We love do

Brenda. "Every committee likes w And there are memories.

Last year at S Shop, Ron says, "pulled up, called over to the car and for \$100. Another was a \$100 bill in

Wal-mart. I was the kettle at Shop this man came out talking about the Army's good work a \$20 bill and said what?" and reached er \$20."

It is, Brenda generosity of the brings the holiday her. "Some you w would have the a but they do. Every is being cut. O thought we'd get n got as much as the People tend to res hard times."

On average, the campaign earns \$7 nity programs are a trust fund.

The Grundys ended two blizzard years heading th "We couldn't go Brenda says. "We people standing ou ing cold and snow. took up special col civic groups pitched

Although some teens were disappointed, "We didn't t be appropriate for p at the kettles in ski

Brenda feels "i privilege" to partic Salvation Army's t red kettle campaign. "I hope we h response this season more than ever."

Martha Smith i winning journalist Retired, she is a contractor for SRIN reached at mgs3dad

PUBLIC COMMENT PERIOD

The Action Memorandum is available for public review and the Navy will accept comments during the 30-day public comment period held from November 23 through December 22, 2011. Public comments must be submitted in writing and postmarked or emailed no later than December 22, 2011. Please send all comments to: Base Realignment and Closure, Environmental Coordinator, ATTN: Mr. David Barney, 1134 Main Street, Building 11, P.O. Box 169, South Weymouth, MA 02190, (617) 753-4656, david.a.barney@navy.mil .

FOR MORE INFORMATION

Copies of the Action Memorandum and the administrative record file are available for review at the local public information repository at Quonset Development Corporation Annex. If you have any questions or wish to discuss this project, please contact Mr. David Barney, Environmental Coordinator (see above).

**Quonset Development Corporation Annex
95 Cripe Street**

persons during the Regular Meeting of the Exeter Town Council to be held Monday, December 5, 2011, at 7:00 p.m., in Council Chambers, Exeter Town Hall, 675 Ten Rod Road, Exeter, Rhode Island.

The purpose of the Public Hearing is to consider an amendment to the Exeter Code of Ordinances by adoption of an ordinance entitled "Chapter 18, Business, Article VI: Hawkers and Peddlers." The purpose of the ordinance is to create and define the process, procedures, and requirements for the licensing of Hawkers and Peddlers wishing to conduct business within the Town of Exeter.

Copies of the proposed ordinance may be examined in the Office of the Town Clerk during normal business hours. The proposed ordinance may be altered or amended prior to the close of the Public Hearing without further advertising, as a result of further study, or because of the views expressed at the Public Hearing. Any such alteration or amendment must be presented for comment in the course of said Public Hearing.

A forty-eight (48) hour notice is required for persons with senso-

PUBLIC HEARING

Notice is hereby given that the Town of North Kingstown Zoning Board of Review will hold a public hearing on December 13, 2011 at 7:00pm in the Town Hall Conference Room, 80 Boston Neck Road, North Kingstown, Rhode Island for the purpose of hearing all persons for or against the following request:

Request by Sarah Perlman for the approval of a dimensional variance for the addition of a second floor to an existing one-story structure, a portion of which is in violation of the side-yard setback, located at 38 William Street, Plat 89, Lot 159 as provided for in Section 21-11(b) of the Zoning Ordinance.

The Town of North Kingstown will provide interpreters for the hearing impaired provided that three (3) days written notice is given in advance.

Plans of this application may be examined at the North Kingstown Department of Planning, 55 Brown Street, during normal business hours .

INVITATION TO BID

Master plan major subdivision application of Richard Schartner for Slocum Farm Agricultural and Residential Village, a proposed 21-unit major conservation subdivision and land development located at Exeter Road/Dry Bridge Road being Assessor's Plat 78 Lots 1, 45, and 47 in a Rural Residential (RR) zone and Groundwater One (GW1) overlay zone.

PLANS OF THIS DEVELOPMENT MAY BE EXAMINED AT THE NORTH KINGSTOWN DEPARTMENT OF PLANNING & DEVELOPMENT, 55 BROWN STREET, BETWEEN THE HOURS OF 8:30 AM AND 3:30 PM.

This development may be further revised by the Planning Commission as a result of further study or because of the views expressed at the public hearing. The Town of North Kingstown will provide interpreters for the hearing impaired provided that three (3) days written notice is given in advance.

North Kingstown Planning Commission

their children about altruism. This year kettles will be set up Dec. 1-2 during Wickford's Festival of Lights, and on three

winning journalist. Retired, she is an contractor for SRIM reached at mgs3da

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RHODE ISLAND

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

13 February 2012

Mr. Jeffrey Dale, RPM
US Department of the Navy
BRAC PMO, Northeast
4911 South Broad Street
Building 679, PNBC
Philadelphia, PA 19112

RE: Site 07 (Calf Pasture Point)
Action Memorandum – Removal Action
Naval Construction Battalion Center
Davisville, Rhode Island
Submitted 22 November 2011, Dated 21 November 2011

Dear Mr. Dale:

The Rhode Island Department of Environmental Management, Office of Waste Management (RIDEM) has reviewed the above referenced document and finds it to be acceptable.

RIDEM would like to thank you for the opportunity to comment on this document and looks forward to working with the Navy and USEPA. If you have any questions or require additional information please call me at (401) 222-2797 ext. 7138 or e-mail me at richard.gottlieb@dem.ri.gov.

Sincerely,

Richard Gottlieb

Cc: M. Destefano, DEM OWM
C. Williams, EPA Region 1

D. Barney, BRAC Environmental Coordinator
S. King, RIEDC
S. Licardi, ToNK
L. Sinagoga, TTNUS

APPENDIX I

ANNUAL HAZARDOUS WASTE REPORT

This page intentionally left blank.

Hazardous Waste Generation, Treatment, and Shipping Summary Report

02/24/2012

Biennial Hazardous Waste Report electronic data submission summary.

NAVAL CONSTRUCTION BATTALION CENTER - DAVISVILLE, RI

MARINE ROAD

NORTH KINGSTOWN, RI 02852

NAICS 92811

National Security

Waste Generation and Management Information

Generated, Treated, Shipped Tons

RI6170022036

GM Page: 00001

HAZARDOUS WASTE SOLID, N.O.S. (1,1,2,2-TETRACHLOROETHANE)

W409

Other organic solids (specify in comments)

289.64 Tons

G43

Remedial action or emergency response under Superfund

U209

Shipped to: MID048090633

H132 Landfill or surface impoundment that will be closed as

289.64 Tons

GM Page: 00002

HAZARDOUS WASTE LIQUID, N.O.S. (TRICHLOROETHYLENE CONTAMINATED WATER)

W219

Other organic liquid (specify in comments)

2.05 Tons

G43

Remedial action or emergency response under Superfund

D040

Shipped to: RID040098352

H141 Storage, bulking, and/or transfer off-site - no

2.05 Tons

This information has been reviewed by:


DAVID A BARNEY

2/29/12
(617)753-4656 x

| | | | |
|---|---|--|---|
| <p>SEND COMPLETED FORM TO: The Appropriate State or Regional Office.</p> | <p>United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM</p> | |  |
| <p>1. Reason for Submittal</p> <p>MARK ALL BOX(ES) THAT APPLY</p> | <p>Reason for Submittal:</p> <p><input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)</p> <p><input checked="" type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____)</p> <p><input checked="" type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</p> <p><input checked="" type="checkbox"/> Site was a TSD facility and/or generator of $\geq 1,000$ kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in <u>one or more months</u> of the report year (or State equivalent LQG regulations)</p> | | |
| <p>2. Site EPA ID Number</p> | <p>EPA ID Number <input type="text" value="R"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="6"/></p> | | |
| <p>3. Site Name</p> | <p>Name: NAVAL CONSTRUCTION BATTALION CENTER - DAVISVILLE, RI</p> | | |
| <p>4. Site Location Information</p> | <p>Street Address: SITE 07/09 - MARINE ROAD</p> <p>City, Town, or Village: NORTH KINGSTOWN County: WASHINGTON</p> <p>State: RHODE ISLAND Country: US Zip Code: 02852</p> | | |
| <p>5. Site Land Type</p> | <p><input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> | | |
| <p>6. NAICS Code(s) for the Site (at least 5-digit codes)</p> | <p>A. <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="1"/></p> <p>B. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p> <p>C. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p> <p>D. <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/></p> | | |
| <p>7. Site Mailing Address</p> | <p>Street or P.O. Box: CARETAKER SITE OFFICE PO BOX 169</p> <p>City, Town, or Village: SOUTH WEYMOUTH</p> <p>State: MASSACHUSETTS Country: US Zip Code: 02190</p> | | |
| <p>8. Site Contact Person</p> | <p>First Name: DAVID MI: A Last: BARNEY</p> <p>Title: BRAC ENVIRONMENTAL COORDINATOR</p> <p>Street or P.O. Box: CARETAKER SITE OFFICE PO BOX 169</p> <p>City, Town or Village: SOUTH WEYMOUTH</p> <p>State: MASSACHUSETTS Country: US Zip Code: 02190</p> <p>Email: david.a.barney@navy.mil</p> <p>Phone: 617-753-4656 Ext.: na Fax: na</p> | | |
| <p>9. Legal Owner and Operator of the Site</p> | <p>A. Name of Site's Legal Owner: DEPARTMENT OF THE NAVY Date Became Owner: 1940</p> <p>Owner Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <p>Street or P.O. Box: 4911 South Broad Street</p> <p>City, Town, or Village: PHILADELPHIA Phone: 215-897-4900</p> <p>State: PENNSYLVANIA Country: US Zip Code: 19112-1303</p> <p>B. Name of Site's Operator: BRAC Program Management Office, Northeast Date Became Operator: 1940</p> <p>Operator Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> | | |

10. Type of Regulated Waste Activity (at your site)
 Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-10.

- | | |
|--|---|
| <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 1. Generator of Hazardous Waste If "Yes", mark only one of the following – a, b, or c.</p> <p><input checked="" type="checkbox"/> a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.</p> <p><input type="checkbox"/> b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.</p> <p><input type="checkbox"/> c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.</p> <p>If "Yes" above, indicate other generator activities in 2-4.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 2. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 3. United States Importer of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 4. Mixed Waste (hazardous and radioactive) Generator</p> | <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 5. Transporter of Hazardous Waste If "Yes", mark all that apply.</p> <p><input type="checkbox"/> a. Transporter</p> <p><input type="checkbox"/> b. Transfer Facility (at your site)</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 7. Recycler of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 8. Exempt Boiler and/or Industrial Furnace If "Yes", mark all that apply.</p> <p><input type="checkbox"/> a. Small Quantity On-site Burner Exemption</p> <p><input type="checkbox"/> b. Smelting, Melting, and Refining Furnace Exemption</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 9. Underground Injection Control</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 10. Receives Hazardous Waste from Off-site</p> |
|--|---|

B. Universal Waste Activities; Complete all parts 1-2.

- Y N **1. Large Quantity Handler of Universal Waste** (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.
- | | |
|---------------------------------|--------------------------|
| a. Batteries | <input type="checkbox"/> |
| b. Pesticides | <input type="checkbox"/> |
| c. Mercury containing equipment | <input type="checkbox"/> |
| d. Lamps | <input type="checkbox"/> |
| e. Other (specify) _____ | <input type="checkbox"/> |
| f. Other (specify) _____ | <input type="checkbox"/> |
| g. Other (specify) _____ | <input type="checkbox"/> |
- Y N **2. Destination Facility for Universal Waste**
 Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

- Y N **1. Used Oil Transporter**
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)
- Y N **2. Used Oil Processor and/or Re-refiner**
 If "Yes", mark all that apply.
- a. Processor
- b. Re-refiner
- Y N **3. Off-Specification Used Oil Burner**
- Y N **4. Used Oil Fuel Marketer**
 If "Yes", mark all that apply.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

❖ You can **ONLY** Opt into Subpart K if:

- you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; **AND**
- you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y N 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories
See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

- a. College or University
- b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y N 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

| | | | | | | |
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| D040 | U209 | | | | | |
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B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

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12. Notification of Hazardous Secondary Material (HSM) Activity

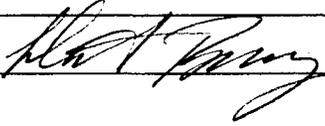
Y N Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

RCRA Hazardous Waste generated as part of CERCLA clean-up action at former Defense Site. (Navy Base).

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

| Signature of legal owner, operator, or an authorized representative | Name and Official Title (type or print) | Date Signed (mm/dd/yyyy) |
|---|---|--------------------------|
|  | DAVID A BARNEY | 02/29/2012 |
| | BRAC ENV. COORDINATOR | |
| | | |



DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE, NORTHEAST
4911 SOUTH BROAD STREET
PHILADELPHIA, PA 19112-1303

5090
BPMO NE/DB
Ser 12-049
February 29, 2012

Mr. Mark Dennen
State of Rhode Island
Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Dear Mr. Dennen:

We are providing the 2011 Hazardous Waste Report for the former Naval Construction Battalion Center, Davisville, RI in accordance with Rules 5.5 of the Rhode Island Rules and Regulations for Hazardous Waste Management.

If you have any questions or require additional information, please contact me at (617) 753-4656 or by email at David.Barney@navfac.navy.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "David Barney".

DAVID BARNEY
BRAC Environmental Coordinator
By direction of BRAC PMO

Enclosures:

1. 2011 Hazardous Waste Report on CD ROM
2. RCRA Subtitle C Site Identification Form

Copy to: (w/o encls)
J. Dale, NAVFAC MIDLANT
C. Williams, USEPA
R. Gottlieb, RIDEM

APPENDIX J

RESPONSE TO COMMENTS

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**Response to Comments
Draft Removal Action Completion Report
Site 7 Removal Action
Naval Construction Battalion Center, Davisville, Rhode Island**

**Comments by: Mr. Richard Gottlieb,
Rhode Island Department of Environmental Management**

Comments received: May 8, 2012

COMMENT 1:

Page 3-1, Section 3.1.3, Waste Characterization and Clean Fill Verification Sampling, Paragraph 2 – The Navy states that two possible fill material sources were sampled and only one was acceptable (Pyne Sand & Stone Co.). Analytical results are provided for both sources in Table 3. Analytical results need only be provided for the fill source used. Please remove the discussion of the alternate source in This Section as well as the analytical results from Table 3.

RESPONSE:

Agreed. Analytical results for the fill source not utilized will be removed from Table 3 and the 2nd paragraph of Section 3.1.3 on page 3-1 will be revised as follows:

*“On August 24, 2011, Shaw personnel collected one composite sample from the Pyne Sand & Stone Company borrow source. The sample was shipped to Accutest Laboratories for analysis. The sample results were compared to the Rhode Island Department of Environmental Management (RIDEM) Residential Direct Exposure Criteria (DEC) to verify that the source material would be suitable for use as clean fill. Approval for use of this borrow source was received from the NAVFAC and FEAD representatives prior to mobilization. Additional details are provided in **Table 1** (Sample Log), **Table 3** (Clean Fill Verification Analytical Results), and **Appendix D** (Laboratory Analytical Reports).”*

COMMENT 2:

Table 4 (Post-Excavation Confirmation Analytical Results – Round 1 (10/6/2011)) and Table 5 (Post-Excavation Confirmation Analytical Results – Round 2 (11/2/2011)) – There are no headers indicating where one Table ends and the next begins as the nomenclature is in increasing numerical format.

In addition, based on Figure 3 (Sample Locations) the floor samples are listed as WE-33-FLR-014, 015, 016 and 018. Table 4 or 5 lists these as grab samples except for 018 which is a duplicate sample. Please state whether these are the floor samples and if so please make the nomenclature consistent from the Figure to the Table. In addition, if 018 is a duplicate sample please provide the analytical results from the original sample.

RESPONSE:

Agreed. Headers will be included for Table 4 and Table 5. Figure 3 will be revised to include sample nomenclature that is consistent with Table 1, Table 4, and Table 5. Table 1 (Field Sampling Log) provides details and locations for each sample. 018 is a duplicate of 015 and the results of both are included in Table 4.

Comment 3:

General Comment – Upon completion of the final version of this document, Section 8.0 (Certification Statement) should be signed and dated by the appropriate Navy Official.

RESPONSE:

Agreed.

**Comments by: Ms. Christine A.P. Williams,
United States Environmental Protection Agency, Region 1**

Comments received: May 23, 2012

GENERAL COMMENT 1:

In our comment letter on the RAWP and in e-mails from October 2011, EPA requested the wells abandoned during the removal action be replaced. In addition, the SAP and RACR indicated that two of the three decommissioned wells (MW07-01S, MW07-02S and MW07-31I) would be replaced (see SAP, page 3-3, Section 3.4; see RACR, page 3-6, Section 3-6). The RACR indicates that Navy does not intend to replace two wells because there are already six hydrologically down gradient wells within 30 feet of the removal area. However, the text (Page 3-6) does not specifically identify which six wells the Navy is referring too; please specify these wells.

It is noted that while the figure depicts five "DTP" wells and MW07-15D to the south of the excavation, the Navy has established and EPA agrees that there are also southwestern and western migration pathways for groundwater contaminants. It does not appear that the flow direction to the west and southwest is adequately monitored now that MW07-2S and MW07-31I have been decommissioned without replacement. As such, the Navy needs to provide assurance that the southwest and west migration pathways are adequately monitored. EPA continues to recommend that a shallow depth well and intermediate depth well be installed approximately halfway between MW07-04 and MW07-15 as replacements for MW07-02S and MW07-31I.

MW07-31I was not downgradient of the burial location, however, it had over 300 ppb Total CVOCs in Apr 2010 which indicates the area around MW07-31I location was part of the original source area. While EPA agrees this location does not provide a success of the removal action, the location has important source area information and should be retained for future source area trend analysis and determination that the remedy is complete.

We also agree that the source control plane noted above is downgradient of the burial location and so should provide intermediate and deep before & after trend analysis of the removal as has been suggested by Navy. Below please note the information from the remedial investigation.

MW07-31I boring soil collected in Oct 1995

6-8 ft PCA=15 and TCE=18 --upper sand

18-20ft PCA=5000 and TCE=100 --silt (sandy)

24-25ft PCA=180000 and TCE=2800 --till

MW07-31I --GW collected in May 1996: TCVOC=15190

RESPONSE:

The six monitoring wells that are located down-gradient (south) of the removal area are: MW07-15D (35 feet), DPT-15-3I (35 feet), DPT-15-1D (28 feet), DPT-15-2I (28 feet), DPT-15-4D (21 feet) and DPT-15-5I (21 feet). Distances cited are estimated based on southern edge of the excavation and monitoring well coordinates provided by EPA ADA on May 15, 2012 (via email to Tetra Tech, Inc.). Additionally, MW07-01S and MW07-02S were located 49 feet and 47 feet from the southern edge of the excavation, respectively. This leaves six monitoring wells sufficiently near the removal area to effectively monitor impacts of the removed containers.

While the Navy concurs that there are southwestern and western groundwater pathways generally centered near the removal area, contaminant migration occurs in 3-D and this needs to be considered when determining migration of contamination away from the former source area. As shown on Figure 3-21 from the Long-Term Monitoring Data Summary Report for Site 07: Calf Pasture Point (May 2010), groundwater flow is predominantly downward in the removal area (located between MW07-31I and MW07-15D). Therefore, while Figures 3-1 through 3-5 of the same report show southwestern and western groundwater flow paths are present in the shallow zone, groundwater flow is predominantly downward in this area within the shallow zone (not southwest or west). The Navy does not concur with the EPA recommendation to place a shallow and intermediate depth well between MW07-04 and MW07-15 as the zones these wells would monitor would not intercept significant portions of the contamination (as evidenced by elevated concentrations observed at MW07-15D). Based on the observed groundwater flow pathways and contaminant migration (also outlined in the referenced report), MW07-15D, MW07-05S/D/R and MW07-04S/D adequately monitor the areas down-gradient from the source area. The Navy does not feel that additional wells are necessary to monitor the source area for future trend analysis, nor remedy completion.

The EPA provided historical soil and groundwater data for MW07-31I from 1995 and 1996. However, significant reductions in contaminant concentrations have occurred in well MW07-31I between 1995/1996 and 2010/2011. Contaminant concentrations in groundwater have decreased approximately 98% between these two time frames (from approximately 15,000 ug/L to 300 ug/L).

For all these reasons, the Navy believes that the areas down-gradient of the source removal area are adequately monitored and therefore no replacement of MW07-31I is necessary.

GENERAL COMMENT 2:

In our comment letter on the RAWP, we stated that if contamination was left above risk levels, additional LUCs/remedies would be necessary. Navy left chloroform in soils above our RSLs, but below RIDEM residential direct exposure criteria. EPA does not believe this contamination would cause a risk to the expected human or ecological receptors, however, the ROD for this site did not include any excavation and therefore must be updated to include excavation. The ROD for this site also did not include groundwater restoration to beneficial use. Please provide a schedule for an ESD

to include both excavation and ground water cleanup levels in order to update the ROD to conform with the NCP.

RESPONSE:

The Navy concurs that an ESD is appropriate to document the soil removal because the ROD did not have a soil removal component. The Navy will develop a schedule for submitting a soil excavation ESD.

GENERAL COMMENT 3:

SAP Worksheet #14B states “6 grab floor samples (1 sample/100 ft²) will be collected for the current excavation region. If groundwater is encountered the floor sample will not be taken.” The text indicated that the excavation was completed to a maximum depth of approximately 6 feet below ground surface (bgs) (see Page 3-4, Section 3.3). However, the dimensions provided on the as-built figure (Appendix G) appear to indicate that only the central/eastern area was excavated to 6 feet bgs and subsequently became submerged by groundwater. Do the values presented on the as-built figure (Appendix G) represent the maximum depth of each excavation area, or simply the final grade of the excavation bottom (assuming soils may have been moved from one area and piled in another)?

Furthermore, it appears that the excavation depth would have to be at least 5-6 feet bgs for an area to become submerged by groundwater. Yet bottom confirmation samples were collected from the western portion of the excavation. Was this area not excavated to at least 6 feet bgs?

If the excavation was not uniformly completed to a depth of approximately 6 feet bgs, the text should be revised and an explanation included as to why the 6 foot depth was not consistently achieved throughout the removal area.

RESPONSE:

The as-built figure provided as Appendix G represents the complete and final excavation dimensions for all removed and disposed waste material. Approximately six (6) feet deep was the maximum excavation depth obtained to successfully remove all containers, debris, and soil impacted with white powder. A uniform six (6) foot excavation depth was not necessary to successfully remove all containers, debris, and soil impacted with white powder from all areas of the excavation.

The western area of the excavation was excavated to the depth(s) accurately indicated on the as-built figure provided in Appendix G. Floor samples were only collected from areas not submerged by groundwater.

The text accurately states that the excavation was completed to a maximum depth of six (6) feet below the surrounding ground surface. The text does not state that the entire excavation was uniformly completed to a depth of six (6) feet. The as-built figure provided in Appendix G accurately depicts the horizontal and vertical extents of the excavation. The vertical and horizontal extents of the removal area were driven by the location of containers, debris, and soil impacted with white powder.

Excavation in any vertical or horizontal direction ceased once there was no visual evidence of containers, debris, or soil impacted with white powder and following sufficient over-excavation to ensure no further evidence of these waste materials.

GENERAL COMMENT 4:

It is unclear from the figures where DANC containers were generally found (location and depth). Additionally, were the three bottom samples collected from areas where DANC containers were also observed?

RESPONSE:

DANC containers, container debris, and associated white powder from the plastic packet inserts were dispersed throughout the entire excavation area; some areas more concentrated than others.

GENERAL COMMENT 5:

Was a sample of the container contents (depicted in Photographs 7 and 8, Appendix B) collected for laboratory analysis? If so, what were the laboratory analytical results?

RESPONSE:

*A sample specific to the container contents was not collected for laboratory analysis during the TCRA effort. However, samples representative of the container contents and impacted soil were collected for waste disposal characterization laboratory analysis. These analytical results are presented in **Table 2** and **Appendix D**.*

GENERAL COMMENT 6:

Photographs 7 and 8 (Appendix B) depict containers above the groundwater table. It is assumed that during the removal of these containers, the underlying soil was also removed and, subsequently, that area became submerged by groundwater, obviating the requirement to collect a confirmation bottom sample. Please confirm.

RESPONSE:

The above assumption is correct.

SPECIFIC COMMENT 1:

Page 2-1 – Revise sentence stating “This removal action will also eliminate the source of the solvent plume and, subsequently, reduce the potential risk to the environment by minimizing the potential for expansion and migration of the solvent plume.” This statement does not appear to be entirely accurate. Although the source material at the surface has been removed, there may have likely been releases of PCA as DNAPL that has migrated vertically beneath the excavation area. Such residual areas of DNAPL will remain in the subsurface and present an ongoing source of groundwater contamination. As such, it is recommended that the above sentence be revised to read that this removal action removed some of the source material that may have contributed to the solvent plume.

RESPONSE:

Since the majority of the excavation extended vertically to groundwater and areas not reaching groundwater were sampled and indicated no presence of COCs, there are no residuals beneath the excavation area. Any COCs beneath the excavation area are in the groundwater and considered part of the solvent plume. Therefore, it should be considered that all source materials have been removed. The aquifer may contain residual source material; however the source of the contamination, the containers, has been removed. Please reconsider the accuracy of the sentence in question.

SPECIFIC COMMENT 2:

Figures 2 and 3 – the excavation contour units and reference elevation should be provided. Please confirm whether the elevation values represent feet above average mean seal level (amsl).

RESPONSE:

Agreed. The excavation contour units will be added to the legend of Figure 3 and reference elevation as feet above average mean sea level (amsl) will be added to the legends of Figures 2 and 3.

SPECIFIC COMMENT 3:

Page 3-0, Section 3.1.3 – It is noted that 5-point composite samples were collected for the waste characterization samples; please include text that describes the general area where the composite samples were collected from, such that the reader can be sure that representative samples were collected.

RESPONSE:

The first sentence of Section 3.1.3 will be revised as follows.

“Following utility clearance activities, qualified Shaw personnel were utilized to collect waste disposal characterization samples from within the proposed excavation area and within the geophysical anomaly as delineated by Tetrattech with chain-link fencing following the source area investigation activities.”

SPECIFIC COMMENT 4:

Page 3-2, Section 3.2.3 and 3.2.4 – the text in these sections indicate that the constructed roadway was either 75 or 150 feet long. Please confirm the correct length.

RESPONSE:

This is an accurate description of two separate features. Section 3.2.3 states the 75 foot long construction entrance was installed at the entrance to Sanford Road to mitigate potential erosion. Section 3.2.4 describes the 150 foot long temporary haul road that was installed in a vegetated area to enable truck and equipment access from the unpaved roadway to the excavation area.

SPECIFIC COMMENT 5:

Page 3-4, Section 3.3 – The text indicates that “a few test pits” were excavated at the vertical and horizontal extents of the excavation and that no evidence of waste material was encountered. Was a PID or other field screening tool used to assess soil at the bottom of the test pits for impacts?

RESPONSE:

No.

SPECIFIC COMMENT 6:

Page 3-4, Section 3.3 – The text indicates that the majority of the excavation floor was submerged in groundwater. However, as previously discussed in General Comment #1, Photographs 7 and 8 (Appendix B) depict a small area as being submerged. Furthermore, the ground elevations presented in Figure 3 and Appendix G suggest that the only a small area was excavated deep enough (greater than 5 feet bgs) to be submerged by groundwater. As such, the information presented in the text is not entirely consistent with the figures. Please clarify the text and/or figures. Also, it would be helpful to have a figure depicting the submerged areas and the depth of the groundwater and excavation bottom in those areas.

RESPONSE:

Photographs 9 and 10, not 7 and 8, of Appendix B clearly show that most of the excavation floor is submerged by groundwater which is consistent with the text in Section 3.3. Also, Figure 3 shows the location of the three floor samples which represents the majority of the unsubmerged portion of the excavation floor. For added clarification, the area where floor samples were collected as shown on Figure 3 is shown at the top of Photograph 9.

SPECIFIC COMMENT 7

Page 4-1, Section 4.0 – The text refers to Tables 4 and 5. These tables are not labeled in the Tables section.

RESPONSE:

Tables 4 and 5 will be labeled as such in the Tables section.

SPECIFIC COMMENT 8:

Tables 1 and 2 – The waste characterization sample ID’s presented in Table 1 do not match the sample ID’s presented in Table 2.

RESPONSE:

The sample IDs presented in Table 1 match the sample IDs as shown in the “Client ID” column (12th column) of Table 2. The first column of Table 2 includes sample IDs as identified by the laboratory.

SPECIFIC COMMENT 9:

Page 3-0, Section 3.1.3 – Please state whether discrete samples were collected (depths, locations) for laboratory analysis for volatiles, as was specified in the SAP (SAP Worksheet #10B, page 26).

RESPONSE:

Yes, discrete grab samples were collected for each of the three (3) five-point composite samples. The second and third sentences of Section 3.1.3 will be revised as follows.

“Shaw personnel donned Level B personal protective equipment (PPE) and utilized a power auger equipped with a 4-inch diameter auger bit to collect three (3) 5-point composite soil samples, including three (3) discrete grabs for volatile organic compound (VOC) analysis. Five point composite samples, including discrete grabs from one of the five composite points for each, were collected from 0-2 feet below ground surface (bgs), 2-4 feet bgs, and 4-6 feet bgs.”

REMOVAL ACTION COMPLETION REPORT
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