May 8, 2006

Environmental Restoration Program (ERP No. E-447034)

Tank Closures and Remedial Actions Report 714 Broadway Site NYSDEC Spill No. 04-00440

714 Broadway City of Schenectady Schenectady County, New York

Prepared for:

THE CITY OF SCHENECTADY
City Hall, Room 205
105 Jay Street
Schenectady, New York 12305

Prepared by:

C.T. MALE ASSOCIATES, P.C.
50 Century Hill Drive
P.O. Box 727
Latham, New York 12110
(518) 786-7400
FAX (518) 786-7299

C.T. Male Project No: 05.5086

Unauthorized alteration or addition to this document is a violation of Section 7209 Subdivision 2 of the New York State Education Law.

© Copyright 2006
C.T. MALE ASSOCIATES, P.C.

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1
- 1.1 General and Report Organization 1
- 1.2 Site Description 3
- 1.3 Site History 5
- 1.4 Previous Investigations 6
- 1.5 Interim Remedial Measure Objectives 8
- 1.6 Boundary Survey 8

2.0 FIELD OBSERVATIONS DURING CLOSURE OF BULK STORAGE TANKS AND SOIL REMEDIATION WORK 9
- 2.1 General 9
- 2.2 Closure and Removal of Above Ground Storage Tank 10
- 2.3 Closure and Removal of Underground Storage Tanks 10
- 2.4 Excavation of Petroleum Impacted Soil 13
- 2.5 Backfilling of Excavation and Site Restoration 15
  - 2.5.1 Sampling and Chemical Analysis of Overburden Soil 15
  - 2.5.2 Soils Testing of Backfill Material 16
  - 2.5.3 Backfilling and Compaction Testing 16
  - 2.5.4 Site Restoration 17

3.0 POST-EXCAVATION CONFIRMATORY SOIL SAMPLING, LABORATORY ANALYSES AND RESULTS 18
- 3.1 Soil Sampling and Laboratory Analyses 18
- 3.2 Laboratory Analyses Results 19

4.0 MONITORING AND INVESTIGATION OF INTERIOR OF BUILDING, AND CLOSURE OF MANHOLE SUMP IN BUILDING 21
- 4.1 General 21
- 4.2 Site Observations and Investigations 21

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

4.3 Screening of Building Interior With A Photoionization Detector Meter....22
4.4 Hand Auger Bore Holes....23
4.5 Closure of Manhole Sump....24

5.0 MICRO MONITORING WELL INSTALLATIONS AND GROUNDWATER INVESTIGATION....26
5.1 Geoprobe Soil Bore Holes....26
5.1.1 Bore Hole Advancement....26
5.1.2 Soil Sampling and Analyses....27
5.1.3 Soil Conditions....28
5.1.4 Field Screening and Laboratory Analyses Results....28
5.2 Monitoring Well Installations and Development....29
5.2.1 Monitoring Well Installations....29
5.2.2 Monitoring Well Development....30
5.3 Groundwater Sampling and Laboratory Analyses....31
5.3.1 Water Level Measurements....31
5.3.2 Monitoring Well Purging....31
5.3.3 Sampling Procedures and Laboratory Analyses....32
5.3.4 Field Quality Control Samples and Collection Procedures....33
5.4 Decontamination of Drilling and Sampling Equipment....34
5.5 Field Survey....34
5.6 Groundwater Elevations and Mapping....35
5.7 Groundwater Analytical Results and Data Validation....36

6.0 WASTE CHARACTERIZATION, TRANSPORTATION AND DISPOSAL OF IRM AND INVESTIGATION DERIVED WASTES, AND MISCELLANEOUS CHEMICAL PRODUCT CONTAINERS....38
6.1 General....38
6.2 Asphalt Pavement....39
6.3 Steel Tanks and Piping....39

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

6.4 Tank Wastes....39
6.5 Petroleum Contaminated Soil....39
6.6 Decontamination Water, and Well Development and Purge Water....41
6.7 Miscellaneous Chemical Product Containers....41
6.8 Manhole Sump Wastes....42

7.0 SUMMARY AND CONCLUSIONS....43

TABLES (Within Report Text)

TABLE 2.1-1: LISTING OF CLOSED BULK STORAGE TANKS....9

TABLE 2.3-1: DIMENSIONS AND CONDITION OF CLOSED USTS....12

TABLE 5.1-1: SUMMARY OF GEOPROBE TEST BORE HOLE PROGRAM....27

TABLE 5.2-1: SUMMARY OF MONITORING WELL INSTALLATIONS....30

TABLE 5.6-1: SUMMARY OF GROUNDWATER ELEVATION DATA....36

TABLES (Following Report Text)

TABLE 1: SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY STANDARDS

TABLE 2: INVENTORY OF MISCELLANEOUS CHEMICAL PRODUCT CONTAINERS

TABLE 3: WASTE STREAMS IDENTIFICATION, TRANSPORTATION AND DISPOSAL SUMMARY

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

FIGURES/MAPS

FIGURE 1: SITE LOCATION MAP

FIGURE 2: CITY OF SCHENECTADY TAX MAP

FIGURES/MAPS (Continued)

FIGURE 3: BOUNDARY SURVEY, LANDS NOW OR FORMERLY OF THE CITY OF SCHENECTADY, 714 BROADWAY

FIGURE 4: TANK CLOSURES, SOIL REMEDIATION LIMITS AND SAMPLING LOCATIONS MAP

FIGURE 5: GROUNDWATER CONTOUR MAP FOR DECEMBER 22, 2005

APPENDICES

APPENDIX A: PHOTOGRAPHS

APPENDIX B: TANK CLOSURES, SOIL REMEDIATION AND BUILDING INVESTIGATION FIELD LOGS
- B.1 Tank Closures and Soil Remediation Organic Vapor Headspace Analysis Logs
- B.2 Field In-Place Density (Compaction) Test Reports For Excavation Backfill
- B.3 Building Investigation Organic Vapor Headspace Analysis Logs and Hand Auger Subsurface Exploration Log

APPENDIX C: SOIL SAMPLING LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS
- C.1 Overburden Soil Sample
- C.2 Post-Excavation Confirmatory Soil Samples
- C.3 Groundwater Investigation Soil Sample
- C.4 Waste Characterization Soil Sample

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

APPENDIX D: STANDARD PROCTOR TEST AND GRADATION ANALYSIS LABORATORY ANALYSIS REPORTS

APPENDIX E: GROUNDWATER INVESTIGATION FIELD LOGS
- E.1 Geoprobe Subsurface Exploration Logs
- E.2 Organic Vapor Headspace Analysis Logs
- E.3 Monitoring Well Construction Logs

APPENDICES (Continued)

- E.4 Groundwater Services Field Logs

APPENDIX F: GROUNDWATER SAMPLES ASP CATEGORY B DATA DELIVERABLE PACKAGE (LABORATORY ANALYSIS REPORT AND CHAIN OF CUSTODY RECORD)

APPENDIX G: DATA VALIDATION DATA USABILITY SUMMARY REPORT

APPENDIX H: APPROVED WASTE CHARACTERIZATION PROFILES AND ASSOCIATED DOCUMENTS
- H.1 Tank Wastes
- H.2 Petroleum Contaminated Soil
- H.3 Decontamination Water, and Well Development and Purge Water
- H.4 Miscellaneous Chemical Product Containers
- H.5 Manhole Sump Wastes

APPENDIX I: WASTE TRANSPORTER AND DISPOSAL FACILITY PERMITS
- I.1 Transporter Permits
- I.2 Disposal Facility Operating Permits

APPENDIX J: WASTE TRANSPORTATION AND DISPOSAL DOCUMENTS
- J.1 Asphalt Material
- J.2 Tanks and Piping
- J.3 Tank Wastes
- J.4 Petroleum Contaminated Soil

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE
CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

TABLE OF CONTENTS

J.5 Decontamination Water, and Well Development and Purge Water
J.6 Miscellaneous Chemical Product Containers
J.7 Manhole Sump Wastes

1.0 INTRODUCTION

1.1 General and Report Organization

This report presents C.T. Male Associates, P.C.'s (C.T. Male) observations and supporting documentation of the activities associated with the implementation of an Interim Remedial Measure (IRM) at the property located at 714 Broadway in the City of Schenectady, Schenectady County, New York (the Site). The IRM was performed under the New York State Environmental Restoration Program (ERP). The IRM implemented at the Site included the closure and removal of four petroleum underground storage tanks (USTs) and one above ground storage tank (AST); the excavation and disposal of petroleum contaminated soil; the monitoring and investigation of the interior of the on-site building, and closure of the manhole sump within the building; a groundwater investigation including the installation and sampling of four micro monitoring wells to further evaluate potential impacts to groundwater from the USTs; and the characterization, transportation and disposal off-site of investigation derived wastes generated during the IRM and miscellaneous containers of chemical products present in the Site building. Based on the findings of the IRM, this report also identifies whether additional remedial actions are warranted.

The City of Schenectady retained C.T. Male to conduct the IRM. C.T. Male provided engineering, and construction administration and observation services. C.T. Male subcontracted with MC Environmental Services (MCES) of South Glens Falls, New York to perform the tank closures and soil remediation, manhole sump closure, waste transportation and disposal, and site restoration work; with Aquifer Drilling & Testing, Inc. (ADT) of Troy, New York for drilling / monitoring well installation services; with Chemtech Consulting Group, Inc. (Chemtech) of Mountainside, New Jersey for laboratory services; and with ChemWorld Environmental, Inc. (ChemWorld) of Rockville, Maryland for data validation services. Site restoration paving was performed by Valley Paving and Construction of Valley Falls, New York as a subcontractor to MCES.

The work performed to close the tanks and remediate petroleum contaminated soil included: site preparation; tank waste removal, transportation and disposal; tank cleaning; excavation, removal and recycling of the tanks; contaminated soil excavation, transportation and disposal; confirmatory soil sampling and laboratory analyses;

backfilling and compaction; and site restoration. The work performed to monitor and investigate the interior of the on-site building included: visual observations and Metrotech pipe location of piping associated with a manhole sump present in the building; screening of the building interior with a photoionization detector (PID) meter for volatile organic compounds (VOCs); and two hand auger bore holes, soil sampling and screening of the soil samples with a PID meter. The closure of the manhole sump involved waste removal, transportation and disposal; cleaning the sump; and filling it with concrete. The micro monitoring well installations and groundwater investigation work performed included: bore hole advancement; soil sampling and screening with a PID meter; sampling and laboratory analysis of one soil sample; installation, development, purging and sampling of four micro monitoring wells; laboratory analyses of groundwater samples; data validation of the laboratory analyses data deliverable package for the groundwater samples; and water level measurements and groundwater mapping.

The tank closure work began on September 26, 2005, and field activities including soil remediation and site restoration were completed by October 21, 2005. The monitoring and investigation of the interior of the building was performed between September 26, 2005 and October 31, 2005. The drilling/micro monitoring well installations and groundwater investigation field work was performed between October 6, 2005 and December 22, 2005. The packaging, transportation and disposal of the miscellaneous containers of chemical products and other investigation derived wastes were performed between December 22, 2005 and February 7, 2006. The closure of the manhole sump work and the waste transportation and disposal were performed on March 31, 2006 and April 26, 2006, respectively. The work was performed substantially in accordance with the IRM Work Plan, 714 Broadway Site, NYSDEC Spill No. 04-00440 dated March 31, 2005 (revised June 23, 2005), and the Technical Specifications of the Tank Closures and Soil Remediation Request for Quote dated June 30, 2005 and Addendum No. 1 dated July 13, 2005. The NYSDEC was notified of the tank closures prior to performing the work in accordance with the IRM Work Plan, and 6 NYCRR Part 613.9(c). Also, the NYSDEC was kept informed of the work progress and findings through telephone conversations, e-mail transmissions and submission of monthly progress reports.

The balance of Section 1.0 of this report presents a description and history of the Site, a summary of previous investigations and findings, objectives of the IRM, and boundary

survey data. Sections 2.0 and 3.0 of this report describe the work performed during the closure of the AST and USTs and removal of petroleum contaminated soil, and presents the confirmatory soil sampling laboratory analyses results, respectively. Section 4.0 presents the findings of the monitoring and investigation of the interior of the Site building, and the field activities associated with the closure of the manhole sump. Section 5.0 presents the field activities and findings associated with the installation of the micro monitoring wells and groundwater investigation. Section 6.0 presents the characterization, transportation and disposal documentation of the IRM and investigation derived wastes generated and of the miscellaneous chemical product containers observed in the Site building. Section 7.0 presents a summary and conclusions. Included in the appendices are photographs; tank closures, soil remediation and building investigation field logs including organic vapor headspace analysis logs, field in-place density test reports, and hand auger subsurface exploration log; soil sampling laboratory analysis reports and chain of custody records; Standard Proctor test and gradation analysis laboratory analysis reports; groundwater investigation field logs including Geoprobe subsurface exploration logs, organic vapor headspace analysis logs, monitoring well construction logs and groundwater services field logs; groundwater samples ASP Category B data deliverable package (laboratory analysis report and chain of custody record); data validation data usability summary report; waste characterization profiles; waste transporter and disposal facility permits; and waste transportation and disposal documents.

1.2 Site Description

The Site consists of a rectangular parcel of land (30 feet by 86 feet) addressed as 714 Broadway located at the northeast corner of Broadway and Weaver Street in the City of Schenectady, Schenectady County, New York. The Site number, as established by the NYSDEC under this ERP, is E-447034.

The site has approximately 86 feet of frontage along the east side of Weaver Street and approximately 30 feet of frontage along the north side of Broadway. Located adjacent to and directly north of the Site is David Hunt's Auto Service. Located adjacent to and directly east of the Site is NYSDOT property including a vacant parcel and then an exit ramp for Interstate I-890. Located west of the Site on the west side of Weaver Street is a storage warehouse owned by David Hunt, and north of the warehouse is property owned by Niagara Mohawk for electric and gas distribution. Located south of the Site

is Broadway and south of Broadway along Crane Street is a residential area. Commercial businesses are located along Broadway south and southwest of the Site.

No surface water is present on the Site. The Mohawk River is located approximately 1 mile north of the Site. The above ground portion of the Cowhorn Creek is located approximately 2400 feet southwest of the Site on the south side of Broadway, and then it travels underground (west of the Site) to the north through the City to the Mohawk River.

An approximate 1,100 square foot abandoned two-story building is located on the northern portion of the site while asphalt paved areas make up southern portions of the site. Underground storage tank (UST) fill ports were formerly located at grade on eastern portions of the asphalt pavement. A vertical vent pipe serving the USTs was formerly located along the southeast exterior wall of the structure. Several underground utilities including water, sanitary sewer, electric and telephone, and overhead electric are located in the sidewalk area south and west of the Site. Underground electric traverses the southwest portion of the site, and a natural gas line runs along the east side of the Site between the building and Broadway. The Site is supplied by municipal water and sanitary sewer.

A Site Location Map showing the Site and surrounding properties is presented as Figure 1. The Site, as depicted on the City of Schenectady Tax Map, is presented as Figure 2. A Boundary Survey of the Site, performed prior to the IRM, is presented as Figure 3. A Tank Closures and Soil Remediation Limits and Sampling Locations Map is presented as Figure 4.

The City of Schenectady (City) currently owns the Site. The City acquired the Site by tax foreclosure proceedings sometime after approximately 2000. Prior to the City taking possession, the Site was reportedly used as a gasoline and service station, and thereafter for storage and as a residence.

The City intends to convert the Site to commercial use consistent with the surrounding area, which would increase the local economy's tax base as well as provide employment for residents of the surrounding area. Based on the Site's past usage and intended future use, the Site was approved for inclusion into the ERP, as denoted by execution of the State Assistance Contract (SAC) for the Site by the State Comptroller on February 25, 2005.

1.3 Site History

The City reportedly acquired possession of the Site by tax foreclosure proceedings sometime after approximately 2000. According to City assessment records, the site used to be a gasoline and service station, and then was used for storage and residential purposes. According to the previous property owner, four USTs (one 1,000 gallons and three 3,000 gallons) were present at the Site. The previous owner further indicated that there were no gasoline pumps present when he purchased the Site in approximately 1978. The time period that the Site operated as a gasoline station is unknown.

A 1930 Sanborn Map of Schenectady shows a two story building on the southern portion of the Site. A 1930 to March 1953 Sanborn Map set of Schenectady shows the southern portion of the Site as a Filling Station with four gasoline storage tanks.

In 2003, the City was issued a Notice of Violation (NOV) by NYSDEC regarding the Site's compliance with the NYS Petroleum Bulk Storage (PBS) regulations pertaining to unregistered tanks and out of service tanks on the Site. The City contracted with C.T. Male in 2004 to investigate the site for petroleum bulk storage tanks and for evidence of a release from the tanks. On March 24, 2004 and April 1, 2004, C.T. Male on behalf of the City submitted a PBS application to register the known petroleum bulk storage tanks at the site and to register the additional tanks identified during the tank investigations on March 30, 2004, respectively. The Site was assigned PBS Number 4-600945.

1.4 Previous Investigations

C.T. Male was retained by the City in 2004 to investigate the site for the presence of petroleum bulk storage tanks and for evidence of a release from the tanks. C.T. Male conducted its investigation and submitted the results in a June 4, 2004 report entitled "Petroleum Storage Tanks and Geoprobe Subsurface Investigations Report." Per discussion with NYSDEC personnel, C.T. Male's 2004 investigative report served as the Site Investigation portion of this ERP. The referenced report was included in its entirety with the IRM Work Plan as Exhibit 1. Pursuant to the investigation, the Site was issued NYSDEC Spill Number 04-00440 due to the presence of petroleum contaminated soil.

The purpose of C.T. Male's 2004 investigation of the Site included the determination, to the extent feasible, of the number of tanks present on the Site, their potential size and contents, and to conduct a tank assessment in accordance with 40 CFR Part 280.72 for evidence of a release of petroleum onto the Site. The scope of the investigation involved the identification and investigation of four underground storage tanks (USTs) located beneath an asphalt paved section of the Site and one aboveground storage tank (AST) located within the Site building. The investigation also included a Geoprobe subsurface investigation to facilitate soil and groundwater sampling to determine if a release of petroleum had occurred, and/or to determine the quality of soil and groundwater in the area of the four abandoned USTs.

Results of the investigation revealed the following information regarding the Site:

- Four USTs (referenced as Tanks 001, 002, 004 and 005) and one AST (referenced as Tank 003) were located on the Site. The USTs were located beneath asphalt pavement on the southern portion of the Site, as defined by the existence of four fill ports in this area. Field measurements of the UST widths and depths and consultation with the previous Site owner suggested one UST to be approximately 1,000 gallons in size and the three remaining USTs to each be approximately 3,000 gallons in size. The AST was located within the Site building and was 275 gallons in size based on field observations.

- Three of the four USTs, notably Tanks 001, 002 and 005, contained water within them, while Tank 004 was dry. The AST within the Site building contained a

minimal amount of heating oil. Bottom sludge was not identified within the tanks.

- Laboratory analytical results for VOCs from water sampled within Tank 005 indicated the water was impacted by petroleum-related compounds. An extrapolation of the analytical results for Tank 005 was used to conclude that water within Tank 001 and Tank 002 was probably also impacted by petroleum-related compounds.

- The Geoprobe subsurface investigation showed soils beneath the site to consist primarily of fill material including fine sands and silts with varying amounts of gravel and occurrences of brick. The fill material was underlain by native soils consisting of varying percentages of silts and fine to medium sands. Groundwater was encountered at depths that ranged from 8 to 10 feet below the ground surface (bgs).

- Field screening results (PID meter headspace analysis and organoleptic perception) of select subsurface soil samples from the Geoprobe investigation did not show evidence of petroleum impacts to soils extracted from Geoprobe locations GP-1, GP-4 and GP-5, which were located adjacent to the north/northwest, east and north, respectively, of the USTs. Field screening results of soil samples collected from Geoprobe locations GP-2, GP-3 and GP-6 showed low to elevated PID meter readings and evidence of petroleum staining, sheens and odors, with the greatest severity of the impacts being localized to GP-6. The latter Geoprobe bore hole locations were situated to the west, south and southwest, respectively, of the UST locations.

- Laboratory analytical results for volatile organic compounds (VOCs) from soil samples submitted from select depth intervals below ground surface from Geoprobe bore hole locations GP-2, GP-3, GP-4 and GP-6 showed several compounds at concentrations above the laboratory detection limit including at GP-4 (one compound) and GP-6 (four compounds), but at concentrations below NYSDEC TAGM recommended soil cleanup values. Compounds were not detected above the laboratory detection limit for soil samples submitted from bore hole locations GP-2 and GP-3.

- Laboratory analytical results for VOCs from groundwater sampled from GP-1 to GP-4 and GP-6 using a Geoprobe Screen Point 15 groundwater sampler showed concentrations of VOCs to be non-detect. The temporary wells were sampled to determine if groundwater had been impacted by the PID screening contamination detected in some of the soil samples.

1.5 Interim Remedial Measure Objectives

The goal of the IRM process is to contain and/or stabilize contaminants in all media to reduce or eliminate, to the extent possible, receptor exposure to contaminants or to contain further movement of contaminants through any pathway.

The objective of the IRM for this ERP project was to eliminate and contain potential exposures to environmental contaminants affiliated with the existence of Site USTs and the AST, petroleum impacted water within the USTs, petroleum impacted soil, and potentially petroleum impacted groundwater adjacent to the USTs. Based on the intended use of the Site, the IRM included the closure by removal of existing USTs and associated piping located on southern portions of the Site; the excavation and proper disposal off-site of petroleum impacted soils in the vicinity of the UST locations; a determination of impacts to groundwater from the existence of USTs; and the removal of the AST and associated piping from within the Site building.

1.6 Boundary Survey

C.T. Male performed a planimetric and boundary survey of the Site in April 2005 in accordance with the existing Code of Practice of the New York State Association of Professional Land Surveyors. The survey was performed prior to implementation of the IRM so that the planimetric and boundary information could be utilized in determining the location of utilities and the property line prior to proceeding with the tank closures and soil remediation work. A copy of the "Boundary Survey, Lands Now or Formerly of The City of Schenectady, 714 Broadway" and stamped by a NYS licensed land surveyor is presented as Figure 3.

2.0 FIELD OBSERVATIONS DURING CLOSURE OF BULK STORAGE TANKS AND SOIL REMEDIATION WORK

2.1 General

A C.T. Male representative was on site during the field work to observe and document the removal of the AST and USTs, conduct tank assessments for evidence of a release, perform field screening of soil samples for the presence of volatile organic compounds (VOCs)/petroleum contamination, collect post-excavation confirmatory soil samples pursuant to the IRM Work Plan, review waste transportation and disposal documents, and conduct compaction testing of the backfill material. Representatives of the NYSDEC were on site periodically to observe the tank closure and soil remediation activities.

Table 2.1-1 summarizes the bulk storage tanks that were closed as part of this IRM.

TABLE 2.1-1
LISTING OF CLOSED BULK STORAGE TANKS
714 BROADWAY, SCHENECTADY, NEW YORK

Tank ID	Tank Size (1) Gallons	Former Tank Contents	Tank Location	Closure Method
001	3,000	Gasoline	Underground	Removed
002	3,000	Gasoline	Underground	Removed
003	275	No. 2 Fuel Oil	Above Ground	Removed
004	1,000	Gasoline	Underground	Removed
005	3,000	Gasoline	Underground	Removed

(1) The tank sizes listed are based on dimensions as measured in the field during the tank removals.

The construction work to close the bulk storage tanks and excavate petroleum contaminated soil was performed by MC Environmental Services, Inc. (MCES) of South Glens Falls, New York. The tank closure and soil remediation field work began on September 26, 2005 and was substantially completed by October 21, 2005. A NYSDOT Highway Work Permit for Non-Utility Work was obtained by the City of Schenectady from NYSDOT prior to the start of the IRM field activities to enable the adjacent vacant parcel east of the Site to be utilized for the storage of MCES' equipment and to position their equipment on during the tank closures and soil remediation work.

Photographs taken during the tank closures and soil remediation work are included in Appendix A. A map showing the locations of the removed tanks and the approximate limits of petroleum contaminated soil removed is presented as Figure 4.

2.2 Closure and Removal of Above Ground Storage Tank

On September 27, 2005, the 275-gallon steel fuel oil AST (Tank 003) located within the northern end of the Site building was closed by removal in general accordance with the NYSDEC Petroleum Bulk Storage regulations 6 NYCRR Part 613.9, Closure of Out of Service Tanks; New York State Fire Code; and NFPA 30.

A hole was cut in the side of the tank to provide access for the removal of the tank's contents and cleaning of the interior. Minimal tank bottoms were present in the tank, which were removed and placed into a labeled 55-gallon drum. The interior surfaces of the tank were cleaned using squeegees and/or absorbent pads. The absorbent pads were containerized with the tank bottom wastes. The tank was then dismantled, including the piping connecting the tank to the furnace, and the steel was loaded onto a truck for disposal off site as scrap metal.

Because the tank was situated atop concrete flooring, confirmatory soil samples for laboratory analyses were not collected. The transportation and disposal of the tank and piping, and tank wastes is discussed in Section 6.0.

2.3 Closure and Removal of Underground Storage Tanks

Four on-site USTs (Tanks 001, 002, 004 and 005) and associated appurtenances (fill and vent piping, underground electric, etc.) were closed by removal, in general accordance with DER-10 Sections 5.5 and 7.6; the NYSDEC Petroleum Bulk Storage regulations 6 NYCRR Part 613.9, Closure of Out of Service Tanks; 40 CFR Part 280.71, Out of Service UST Systems and Closures; New York State Fire Code; and NFPA 30. Tanks 004 and 005 were removed on September 26, 2005 and Tanks 001 and 002 were removed on September 27, 2005. The former tank locations are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map.

On September 26, 2005, a vacuum truck operated by MCES was utilized to remove residual liquid from the four USTs. The 1,000-gallon tank (Tank 004) was observed to contain no measurable liquid, and each of the 3,000-gallon tanks (Tanks 001, 002 and

005) was observed to contain approximately 1 foot of liquid (petroleum contaminated water). Approximately 742 gallons of liquid (actually measured at disposal facility as 671 gallons) were removed from the tanks.

Following removal of residual liquids from the tanks, a Kobelco SK115 excavator was used to remove asphalt, then soil and fill material as necessary to expose the tops and sides of each tank. Each day prior to the start of excavation work, except September 26, 2005 due to precipitation, two real time particulate monitors one upwind and the other downwind of the work area were set up to monitor particulate matter less than 10 micrometers in size (PM-10). Particulate monitoring took place on September 27 and 28, 2005, and on October 3, 4 and 5, 2005. On September 28, 2005 and October 5, 2005, only downwind readings were taken due to one of the particulate monitors malfunctioning each of those days. The particulate monitors continuously recorded the PM-10 readings and averaged them over a 15 minute period, and were set to alarm at an action level of 150 micrograms per cubic meter (mcg/m^3). Occasionally one of the particulate monitors did alarm, but it was determined to be from dust created by vehicular traffic on Broadway and/or Weaver Street. In general, particulate levels were under control and did not require action to suppress the dust. At the end of each day the data was downloaded to a PC and retained.

The tops of the tanks were encountered at approximately 3 feet below grade. During soil removal, soil samples were collected from various locations above and beside the tanks for observation and field headspace screening with a MiniRae 2000 PID meter for evidence of contamination, and therefore to segregate clean and contaminated soil based on visual and olfactory evidence of contamination and PID meter results. The PID meter was calibrated each day, before use, in accordance with the manufacturer's instructions. Sampling locations and corresponding PID meter screening results were recorded on Organic Vapor Headspace Analysis Logs, which are included in Appendix B.1.

The soil above the tanks which consisted of sand and gravel with the presence of cinders and brick (i.e., fill material based on the presence of cinders and brick), generally exhibited PID readings of <1 parts per million (ppm) and did not exhibit any odors or staining. A composite sample of the soil above Tanks 004 and 005 was collected on September 26, 2005 for laboratory analyses to determine if the material could be utilized as excavation backfill material. The sampling procedures, laboratory

analyses and results of the overburden soil sample collected are discussed in Section 2.5.1.

Due to the tight constraints of the Site and with NYSDEC concurrence, during excavation of Tanks 001 and 002 the overburden soil which did not exhibit evidence of contamination was temporarily placed on polyethylene within the tank grave of Tanks 004 and 005.

Following removal from the ground, the dimensions and general condition of each tank were noted, and are listed below in Table 2.3-1:

TABLE 2.3-1
DIMENSIONS AND CONDITION OF CLOSED USTS
714 BROADWAY, SCHENECTADY, NEW YORK

Tank ID	Date Removed	Tank Dimensions		Tank Condition
		Diameter	Length	
001	09/27/05	64”	18’	Scaling and pitting; holes along bottom and ends
002	09/27/05	64”	18’	Scaling and pitting; holes along bottom and ends
004	09/26/05	48”	10.6’	Some scaling and pitting; no holes observed
005	09/26/05	64”	18’	Scaling and pitting; holes along bottom

After removal of each tank from the excavation, a hole was cut in the tank to provide access for cleaning. The tanks were cleaned using absorbent pads, scrapers and/or squeegees. Tank bottoms were placed into labeled 55-gallon drums. The absorbent pads were containerized with the tank bottom wastes. Two drums of tank bottoms between all five tanks (one AST and four USTs) were generated. The fill piping and vent piping (both the above grade and below grade portions) to the USTs were also removed. No product piping was encountered. Once the tanks were cleaned, they were loaded onto a truck along with the removed piping and transported off site for disposal as scrap metal.

Petroleum contaminated soil, based on visual and olfactory evidence of contamination and PID meter results was encountered below Tanks 001, 002 and 005. An old cut stone foundation was also encountered during the excavation of the tanks on portions of the east, south and west sides of the excavation. This old foundation may be what remained of the two story building shown on the southern portion of the Site in the 1930 Sanborn Map of Schenectady (Section 1.3). Excavation of the petroleum

contaminated soil is discussed in Section 2.4. The transportation and disposal of the asphalt, tanks and piping, and tank wastes is discussed in Section 6.0.

2.4 Excavation of Petroleum Impacted Soil

Due to the tight constraints of the site there was no space available to stage excavated petroleum contaminated soil. Therefore, the contaminated soil was not excavated until disposal approval was obtained from the disposal facility (City of Albany Landfill) so that the contaminated soil could be excavated directly into dump trucks/trailers and transported to the disposal facility. A representative sample of the petroleum contaminated soil below Tank 005 was collected on September 26, 2005 after removal of the tank and submitted for laboratory analyses for waste characterization purposes. The sampling procedures, laboratory analyses and results of the waste characterization soil sample collected are discussed in Section 6.5. Approval to dispose of the petroleum contaminated soil at the City of Albany Landfill was obtained on September 30, 2005.

On October 3 and 4, 2005, soil from around and beneath the USTs was excavated and segregated, based on PID meter screening results and field observations (visual and olfactory). The soil excavation began in the southwest corner of the tank grave and progressed north and east. Soil designated as uncontaminated was temporarily stockpiled on polyethylene in the tank grave for Tanks 004 and 005, and then used as backfill after the contaminated soil in the tank grave for Tanks 001 and 002 was removed. After the tank grave for Tanks 001 and 002 was partially backfilled, the soil was excavated in the tank grave for Tanks 004 and 005. In general the contaminated soil was encountered at approximately 8 feet below grade (near the bottom of the 3,000 gallon tanks). Beneath Tanks 001 and 002 (south half of tank grave), contaminated soil was excavated to depths ranging from approximately 11 feet below grade at the eastern end of the excavation to approximately 13 feet below grade at the western end. Beneath Tanks 004 and 005 (north half of tank grave), soil was excavated to depths ranging from approximately 11 feet below grade at the eastern end of the excavation to approximately 10 feet (beneath Tank 004) and approximately 12 feet (beneath Tank 005) below grade at the western end of the excavation. The excavation was terminated at these depths based on PID meter screening results for soil samples collected from the floor of the excavation of 0.4 ppm to 5.3 ppm above background and no visual or olfactory evidence of contamination.

The soils excavated generally consisted of fill soils consisting of sand and silt with varying amounts of gravel overlying silty sand soils. Gray silt with varying amounts of sand was encountered at deeper depths. Minimal groundwater entered the excavation during the work, and therefore dewatering the excavation was not necessary.

Horizontally the excavation extended eastward up to the natural gas line which was within approximately 2 feet of the property boundary (further excavation in this direction was precluded by the presence of the natural gas line); southward to within approximately 9 feet of the property boundary (further excavation to the southwest was precluded by the presence of underground electric); westward to the property boundary (further excavation in this direction was precluded by the presence of underground electric, side walk and close proximity to Weaver Street); and northward to within approximately 7 feet of the Site building. PID meter screening and field observations of post-excavation side wall soil samples indicated the presence of residual petroleum contaminated soil along the east side wall opposite the end of Tank 005 (PID meter reading of 2265.7 ppm), along the western portion of the south side wall (PID meter reading of 1774.7 ppm), and along a portion of the west side wall opposite Tank 001 (PID meter reading of 975.8 ppm), Tank 002 (PID meter reading of 2582.1 ppm) and Tank 005 (PID meter reading of 271.6 ppm). As previously noted, additional excavation in these directions was not possible due to presence of underground utilities or close proximity to Weaver Street. The PID meter readings of the soil remaining in place in other side wall areas ranged from 0.7 ppm to 12.8 ppm. The overall horizontal dimensions of the soil excavation were approximately 31 feet (north-south) by 28 feet (east-west). The horizontal limits of the soil excavation are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map. The PID meter screening results were recorded on Organic Vapor Headspace Analysis Logs, which are included in Appendix B.1.

Backfilling and compaction testing of the soil is discussed in Section 2.5. Post-excavation confirmatory soil samples were collected for laboratory analysis from the side walls and bottom of the excavation. The confirmatory soil sampling is discussed in Section 3.0. The characterization, transportation and disposal of petroleum contaminated soil is discussed in Section 6.5.

2.5 Backfilling of Excavation and Site Restoration

2.5.1 Sampling and Chemical Analysis of Overburden Soil

On September 26, 2005 a composite sample, identified as Overburden (Soil Above USTs), was collected by a representative of C.T. Male from the soil above Tanks 004 and 005 to determine if the material could be utilized as excavation backfill material. The soil was collected manually with new disposable nitrile gloves and placed into laboratory-supplied glass containers with Teflon-lined lids for volatile organic compounds (VOCs) and base/neutral semi-volatile organic compounds (SVOCs) analyses. The containers were labeled and then placed in a cooler with bagged ice pending shipment to the analytical laboratory via overnight Federal Express. The soil sample was analyzed in the laboratory by Chemtech of Mountainside, New Jersey for NYSDEC STARS VOCs and NYSDEC STARS base/neutral SVOCS by EPA Methods 8260 and 8270, respectively. Chemtech is a NYSDOH Environmental Laboratory Approval Program (ELAP) and NYSDEC Analytical Services Protocol (ASP) certified laboratory (ELAP No. 11376).

The soil (fill material) above Tanks 001 and 002 was similar to the soil above Tanks 004 and 005, and in general the overburden soil above the four USTs exhibited PID meter readings of <1 ppm. Therefore, the one overburden composite soil sample collected was felt to be representative of the soil above the USTs. The PID reading of the Overburden soil sample was 5.6 ppm.

Laboratory analytical results of the composite soil sample collected from above the tanks (Overburden) showed that no NYSDEC STARS VOCs were detected at concentrations above method detection limits. One NYSDEC STARS SVOC fluoranthene was detected at a concentration of 380 ug/kg, slightly above the reporting limit of 370 ug/kg but significantly below the NYSDEC TAGM 4046, Determination of Soil Cleanup Objectives and Cleanup Levels, recommended soil cleanup objective value of 50,000 ug/kg. Seven additional SVOCs were detected at estimated concentrations (below the contract required detection limit) ranging from 71 ug/kg to 320 ug/kg. Of these SVOCs, benzo(b)fluoranthene was detected at 320 ug/kg and benzo(a)pyrene was detected at 130 ug/kg, which are slightly above their NYSDEC TAGM 4046 recommended soil cleanup objective values of 220 ug/kg and 61 ug/kg, respectively. A copy of the laboratory analysis report and chain of custody record for the Overburden soil sample is enclosed in Appendix C.1.

Since the soil above the USTs was identified as fill material due to the presence of cinders and bricks, there was no evidence of staining or odors in the soil above the USTs and no VOCs were detected in the Overburden soil sample, it was concluded that the SVOCs were probably from within the fill material or from the overlying asphalt and not contamination from the USTs. Therefore, with NYSDEC concurrence (during a phone conversation on October 3, 2005), it was determined that the overburden soil could be utilized as backfill material for the soil excavation.

2.5.2 Soils Testing of Backfill Material

For the purposes of determining the percent compaction of the backfill and pavement subbase material during installation, a representative sample of the sources of backfill and subbase material were tested by C.T. Male for Standard Proctor (maximum dry density) by ASTM D698 and for gradation analysis by ASTM D422. Three sources of material were tested including: the overburden soil above the USTs from the Site to be used as backfill material (sample collected by C.T. Male); imported backfill material from William M. Larned & Sons, Inc. (sample supplied by MCES); and imported crusher run subbase material from William M. Larned & Sons, Inc. (sample supplied by MCES).

The laboratory analysis reports of the Standard Proctor and gradation analysis tests on samples of the native overburden material, the imported fill material and the imported crusher run material are included in Appendix D.

2.5.3 Backfilling and Compaction Testing

Backfilling of the excavation began on October 3, 2005. Native overburden material was placed in the excavation in approximate 1- and/or 2-foot lifts and was compacted using the bucket of the excavator and a plate tamper on October 3, 2005 and then a double-drum roller on October 4, 2005. The excavation was backfilled with native overburden material to a depth of approximately 7 feet below existing grade. Backfilling continued above this depth to within 1 foot below grade on October 4 and 5, 2005, using an imported sand and gravel material from William M. Larned & Sons, Inc. of Schenectady, New York. The imported backfill material was placed in the excavation in 1-foot lifts and compacted using a double-drum roller. Select soil compaction testing was performed by C.T. Male for the deeper lifts and then starting at 7 feet below grade after each 1-foot lift was placed and compacted. Compaction testing

was performed at two or more locations per lift. The in-place density and moisture were measured using a Nuclear density gage. The percent compaction was calculated based on the measured in-place density divided by the Standard Proctor maximum dry density of the backfill material utilized. The imported material was compacted until test results showed compaction of 95 percent or greater.

An 8-inch lift of crusher run material (i.e., subbase for the asphalt pavement) was placed above the backfill material and compacted with a double–drum roller. Compaction testing of the crusher run subbase material was performed on October 10, 2005 and did not meet the 95 percent compaction. The subbase material was compacted further with a plate tamper on October 11, 2005 and tested. The compaction test results were 95 percent or greater. Field compaction testing results were recorded on Field In-Place Density Test Reports, which are included in Appendix B.2.

2.5.4 Site Restoration

In areas that were previously covered with grass including the areas disturbed by the contractor's equipment on the NYSDOT property to the east, approximately 3 inches of topsoil was placed on the surface, graded and reseeded. On October 21, 2005, the previously paved area on-site was restored with asphalt pavement including Type 3 binder course and Type 6 top course. The asphalt pavement courses were supplied by King Road Materials. The paving was performed by Valley Paving and Construction of Valley Falls, New York.

3.0 POST-EXCAVATION CONFIRMATORY SOIL SAMPLING, LABORATORY ANALYSES AND RESULTS

3.1 Soil Sampling and Laboratory Analyses

On October 3 and 4, 2005, upon reaching the horizontal limits of excavation (as determined by PID meter screening results, property boundaries or physical constraints such as underground utilities), a C.T. Male Environmental Scientist conducted post-excavation confirmatory soil sampling of the tank excavation floor and side walls. The sampling was conducted in order to confirm that the petroleum-impacted soils had been sufficiently removed, and to determine if levels of residual contamination are below the NYSDEC recommended soil cleanup objective values as published in TAGM 4046, Determination of Soil Cleanup Objectives and Cleanup Levels.

A total of fifteen grab soil samples were collected for laboratory analyses of which fourteen samples were actually analyzed in the laboratory. Four soil samples were collected from the excavation floor, one from beneath each of the former USTs. Four soil samples were collected from the east side wall. One of these samples, identified as Tank 1 East Wall, was field screened with the PID meter and submitted to the laboratory to be held. The PID meter reading of the Tank 1 East Wall sample was 4.4 ppm above background with no odor or staining. Since three soil samples had been collected from the east side wall, one each from the north and south ends where the extent of contaminated soil was excavated and one opposite Tank 005 were residual contaminated soil remained, the laboratory analysis of the Tank 1 East Wall sample was not felt to be necessary. Three soil samples were collected from the west side wall; and two soil samples each were collected from the north and south side walls. Side wall soil samples were collected from depths of 9 to 10 feet below grade, and the excavation floor soil samples were collected from depths of 10 to 13 feet below grade. The soil sampling locations are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map.

For each sample collected, soil was removed from the side wall or excavation floor at the prescribed location using the bucket of the excavator. Soil was then manually taken from the bucket using a new clean pair of sampling gloves and placed into a sealable plastic bag for field PID meter screening. After each sample was screened with the PID meter, the soil was taken from the plastic bag and placed into laboratory-supplied,

labeled, clean glass jars with Teflon-lined lids. The samples were then placed into a cooler with bagged ice. A chain of custody record was completed and utilized to track the samples from the time they were collected until they were delivered to the analytical laboratory. The samples were shipped overnight via Federal Express to Chemtech of Mountainside, New Jersey for laboratory analyses. Chemtech is a NYSDOH ELAP and NYSDEC ASP certified laboratory (ELAP No. 11376). The soil samples were analyzed for NYSDEC STARS VOCs by EPA Method 8260, and NYSDEC STARS base/neutral SVOCS by EPA Method 8270.

Field quality control (QC) samples were also collected during the soil sampling to monitor and document the integrity and quality of the data. The QC samples were collected in the same sample containers and analyzed for the same parameters as the corresponding soil samples. The QC samples were also recorded on the chain of custody records. The QC samples collected during soil sampling included one field duplicate sample, identified as FD01 (a duplicate of South Wall West sample), and one matrix spike/matrix spike duplicate (MS/MSD) sample. The MS/MSD was collected in the field for laboratory quality assurance/quality control (QA/QC) checks. Per NYSDEC concurrence, an equipment blank was not collected during the soil sampling since no equipment was utilized to collect the soil samples (i.e., new clean gloved hands utilized to collect soil samples). The procedures for collecting the QC samples is discussed below:

Field Duplicates: The soil field duplicate sample was collected by alternately placing an equal amount of each gloved hand of soil into the sample container and the duplicate sample container until both containers were full.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): The soil MS/MSD sample was collected in the same manner as the soil field duplicate sample.

3.2 Laboratory Analyses Results

A total of fourteen post-excavation confirmatory soil samples were submitted for laboratory analysis, as described in Section 3.1. The laboratory analytical results (detected compounds only) are summarized in Table 1 at the end of the report text along with the corresponding PID meter screening results and the corresponding NYSDEC TAGM 4046 recommended soil cleanup objective values. A NYSDEC ASP

Category A data deliverable package was prepared by Chemtech for the laboratory analyses of the confirmatory soil samples and is enclosed in Appendix C.2.

Analytical results of the soil samples collected from the north side wall, east side wall (except opposite Tank 005), the west side wall opposite Tank 001, and the excavation floor beneath Tanks 001, 002 and 005 showed that no NYSDEC STARS VOCs or NYSDEC STARS base/neutral SVOCs were detected at concentrations above laboratory method detection limits. The samples collected from the west side wall opposite Tank 005 and the excavation floor beneath Tank 004 showed trace levels of VOCs (1.5 ug/kg or less) and no SVOCs above method detection limits. The sample collected from the west side wall opposite Tank 002 showed three VOCs present (n-butylbenzene, n-propylbenzene and sec-butylbenzene) at concentrations ranging from 2,200 to 4,200 ug/kg, which are below the NYSDEC TAGM 4046 recommended soil cleanup objective values for these compounds.

Laboratory analyses of the remaining two post-excavation soil samples (Tank 005 East Wall and South Wall West) showed the presence of a few petroleum-related compounds at concentrations exceeding their NYSDEC TAGM 4046 recommended soil cleanup objective values. The sample collected from the east side wall opposite Tank 005 contained the following VOCs at concentrations exceeding their respective NYSDEC TAGM 4046 recommended soil cleanup objective values: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, mixed xylenes and n-propylbenzene (refer to Table 1). The sample collected from the western portion of the south side wall also contained 1,2,4-trimethylbenzene and n-propylbenzene at concentrations exceeding their respective NYSDEC TAGM 4046 recommended soil cleanup objective values (refer to Table 1). Concentrations of these compounds in the two samples ranged from 5,800 to 32,000 ug/kg.

In general, the same compounds and analytes were detected within the duplicate sample (FD01) as in the primary sample (South Wall West), and the detections were within the same order of magnitude indicating good laboratory reproducibility.

4.0 MONITORING AND INVESTIGATION OF INTERIOR OF BUILDING, AND CLOSURE OF MANHOLE SUMP IN BUILDING

4.1 General

The on-site building interior was monitored and investigated for potential environmental conditions (floor drains, sumps, waste products). The work performed to monitor and investigate the interior of the Site building included: site inspection and visual observations; Metrotech pipe location of piping associated with a manhole sump present in the building; screening of the air in the building interior with a MiniRae 2000 PID meter for total VOCs; and two hand auger bore holes, soil sampling and screening of the soil samples with a PID meter. The work was performed by C.T. Male personnel between September 26, 2005 and October 31, 2005. The work performed to close the manhole sump included: removing and containerizing the contents of the manhole sump, cleaning the sump and filling it with concrete.

4.2 Site Observations and Investigations

During the inspection of the building interior, a 4.2-foot deep concrete trench / work pit was observed in the floor within the eastern garage bay portion of the building and an approximate 1-foot diameter sump with soil visible at the surface was observed at the north end of the trench / work pit. No visible staining was observed on the soil. A 3-inch diameter floor drain was observed to the west of the trench / work pit. No odors were noted emanating from the drain, and the PID meter reading at the drain was 0.3 ppm above background.

A cleanout present in the west wall of the trench / work pit was opened and the interior was observed to be dry with no visible material. The pipe appeared to flow to the west towards Weaver Street and it did not appear to have any openings in the side walls (i.e., connecting pipes). A hand auger bore hole was advanced north of the trench / work pit in the north garage bay portion of the building (accessed from Weaver Street) and within the sump in the trench / work pit to check for evidence of contamination. The sampling procedures and findings are discussed in Section 4.4.

A concrete manhole sump with cover was observed in the floor within the north garage bay portion of the building, in close proximity to the former fuel oil AST. The sump

was observed to be 3 feet in depth, appeared to have a solid base, and contained approximately 16 inches of water at the time of inspection. A sheen was not observed on the surface of the water; however the side walls of the sump appeared to be oil-stained. A septic type odor was noted emanating from the sump. A 2-inch diameter pipe with a 90° elbow, facing downward, was observed entering the south side wall of the sump at approximately 1 foot below the floor surface. The PID meter reading within the sump was 2.6 ppm above background.

A metal detector and M-scope were utilized to attempt to trace the location of the 2-inch line, but these methods were not successful. While the C.T. Male survey crew was on-site surveying the monitoring wells on October 31, 2005, a Metrotech pipe locator was used to attempt to locate the pipe. The Metrotech pipe locator identified the 2-inch pipe to travel in a southerly direction towards Broadway, but the signal stopped just outside the south wall of the Site building under the concrete apron. The 2-inch pipe was not encountered during the excavation of petroleum contaminated soil, but the north limit of the excavation was south of where the signal was lost with the Metrotech pipe locator. The manhole sump was subsequently closed as discussed within Section 4.5.

No other drains or sumps were noted within the building. The locations of the trench / work pit and manhole sump are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map. Photographs of the trench / work pit and manhole sump are enclosed in Appendix A.

Several miscellaneous chemical product containers were observed within the building. C.T. Male personnel conducted an inventory of the containers for disposal purposes. The inventory of miscellaneous chemical product containers including the location, number of containers, product name or contents, and the container size or quantity of the products is presented as Table 2 at the end of the report text. The characterization, packaging, transportation and disposal of the miscellaneous chemical product containers is discussed in Section 6.7.

4.3 Screening of Building Interior With A Photoionization Detector Meter

On September 28, 2005, a C.T. Male Environmental Scientist screened the interior air of the Site building for the presence of total VOCs using a MiniRae 2000 PID meter calibrated to an isobutylene standard. The monitoring was conducted at a total of

eighteen locations in various areas of the building, at the breathing level as well as along cracks observed in the foundation walls and floor, and near observed drains, sumps and exposed ends of pipes. PID meter readings and corresponding locations were recorded on an Organic Vapor Headspace Analysis Log, which is included in Appendix B.3. The PID meter screening results ranged from 0.1 to 0.8 ppm above background levels, except at the location of the manhole sump in the north garage bay portion of the building (discussed above in Section 4.2) where a reading of 2.6 ppm above background was exhibited.

4.4 Hand Auger Bore Holes

On October 5, 2005, a field-cleaned (refer to Section 5.4) hand auger was used to advance a bore hole in the area of the building north of the trench / work pit (bore hole HA-1), and in the soil observed within the sump in the trench / work pit (bore hole HA-2). The trench / work pit sump was further investigated with a hand auger and stainless steel trowel on October 10, 2005. The hand auger bore hole locations are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map.

The area where bore hole HA-1 was advanced had a sand and gravel floor surface instead of concrete. Hand auger bore hole HA-1 was advanced to 7 feet below the ground surface. Soil samples were collected at 1-foot intervals for field screening with a PID meter and for soil classification. New clean disposable sampling gloves were used for each sample collected. Soil was placed into a new sealable plastic bag, shaken, allowed to equilibrate to ambient temperature, and then screened for the presence of VOCs using a MiniRae 2000 PID meter. The PID meter readings were recorded on an Organic Vapor Headspace Analysis Log and soil classifications were recorded on a Subsurface Exploration Log, which are included in Appendix B.3. The PID meter readings were all <1 ppm above background levels, and no odors or stained soil were observed. The soil consisted of sand and gravel to four feet below grade, followed by a 1-foot layer of sand and silt, and then sand to the termination depth of 7 feet. The soil became wet at approximately 6 feet below the ground surface.

Bore hole HA-2 was advanced in the sump present in the north end of the trench / work pit. The sump is approximately 1-foot in diameter and oval shaped. Concrete was encountered in the sump at approximately 1-foot below the floor of the trench / work pit and the test bore hole was terminated. A sample of the soil collected from the bottom

of the sump was placed into a new sealable plastic bag (wearing new clean gloves), shaken, allowed to equilibrate to ambient temperature, and then screened for the presence of VOCs using a PID meter. The soil exhibited a PID meter reading of 0.1 ppm above background and there was no evidence of odors or staining.

The sump was further investigated using a field-cleaned hand auger and stainless steel trowel (refer to Section 5.4) to determine if the side walls of the sump were concrete or soil. Based on the findings of the additional investigation, the side walls of the sump appear to be soil, except the north side wall is concrete. Approximately 4 inches of soil was present between the perimeter of the sump opening and a concrete wall encountered on the north side of the sump. The concrete encountered at approximately 1-foot below the sump opening appears to be wider than the opening in the sump, because concrete was encountered when the hand auger was advanced at an angle at the base of the sump. However the extent of the concrete could not be determined. Side wall samples of soil from 0-3" in on north side wall and from 3-6" in on the east and south side walls and at depths of 0.3 feet and/or 1-foot below the floor of the trench/work pit were taken and screened with the PID meter. All PID meter readings were zero ppm and there was no evidence of odors or staining. The PID meter readings were recorded on an Organic Vapor Headspace Analysis Log, which is included in Appendix B.3.

4.5 Closure of Manhole Sump

The work to close the manhole sump in the north garage bay of the on-site building was performed by MCES on March 31, 2006. A C.T. Male representative was on the Site during the work to observe and document the manhole sump closure activities.

The steel cover on the manhole sump was removed to access the manhole sump and decontaminated by wiping it down with clean disposable cloth rags. The steel cover was taken off site and recycled as scrap metal. The contents of the sump were removed using a shop-vacuum and placed into a labeled 55-gallon drum. Approximately 10 to 15 gallons of water and sediment (approximately 3 inches deep) were removed from the manhole sump. A 3-foot radius surrounding the manhole sump was also vacuumed cleaned. The 2-inch pipe in the south side wall of the sump was temporarily plugged during cleaning of the sump. The interior surfaces of the manhole sump and the 3-foot radius around the sump were cleaned by using a high-pressure

high-temperature power washer. The liquid was removed and containerized in the labeled 55-gallon drum, and then the surfaces of the manhole sump were wiped down with clean disposable cloth rags. The manhole sump and surrounding 3-foot radius were then cleaned a second time following the same procedures previously described.

After the manhole sump was cleaned, the 90° bend on the 2-inch pipe in the south side wall of the sump was cut off near flush with the wall using an electric saw. Approximately a hand full of dried brown sediment was removed from the 2-inch pipe (from the edge to about 6 inches into the pipe) and containerized in the labeled drum. The pipe was filled to a depth of 6 inches into the pipe with insulating sealant foam. The manhole sump was then filled with 3500 psi strength at 28 days Quikrete concrete mix to a level flush with the existing concrete floor in the garage bay.

The equipment utilized during closure of the manhole sump was decontaminated and the decontamination wastes containerized in the labeled 55-gallon drum. The cloth cleaning rags and personal protective equipment worn during the sump closure activities were also containerized in the labeled drum. The waste characterization, transportation and disposal of the wastes generated during cleaning and closure of manhole sump is discussed in Section 6.8. Photographs taken during the manhole sump closure work are enclosed in Appendix A.

5.0 MICRO MONITORING WELL INSTALLATIONS AND GROUNDWATER INVESTIGATION

Four micro monitoring wells were installed and a groundwater investigation was conducted at the Site to determine the quality of groundwater in the vicinity of the former USTs and following the excavation of petroleum contaminated soil, to determine potential impacts to groundwater from residual contaminated soil remaining in place, and for the development of a groundwater contour map for the Site. The groundwater investigation consisted of advancement of four soil bore holes; soil sampling and screening with a PID meter; sampling and laboratory analyses of one soil sample; installation, development, purging and sampling of four micro monitoring wells; field survey of the monitoring wells; water level measurements and groundwater mapping; laboratory analyses of groundwater samples; and data validation of the laboratory NYSDEC ASP Category B data deliverable package.

5.1 Geoprobe Soil Bore Holes

5.1.1 Bore Hole Advancement

Four Geoprobe bore holes were completed across the Site on October 6, 2005, to facilitate the installation of groundwater micro monitoring wells (MW-1 to MW-4). The Geoprobe bore holes were completed by Aquifer Drilling & Testing, Inc. (ADT) of Troy, New York under the supervision of a C.T. Male Environmental Scientist. The soil bore holes were advanced using a van-mounted Geoprobe direct-push hydraulic unit (Model 5400) equipped with a 2-inch diameter by 4-foot long stainless steel Macro-core sampler. The soil bore holes were advanced to depths of 15 feet below grade (MW-3) and 16 feet below grade (MW-1, MW-2 and MW-4). The soil bore hole/micro monitoring well locations are shown on Figure 4, Tank Closures and Soil Remediation Limits and Sampling Locations Map.

A summary of the Geoprobe test bore hole program, including bore hole/monitoring well ID, total depth, number of soil samples analyzed and a description of their location is presented in Table 5.1-1.

TABLE 5.1-1
SUMMARY OF GEOPROBE TEST BORE HOLE PROGRAM
714 BROADWAY, SCHENECTADY, NEW YORK

Geoprobe Test Bore Hole ID	Total Depth (feet below grade)	Sample Interval Analyzed In Lab (feet below grade)	Location
MW-1	16	NA	In the side walk near the southwest corner of the property, south-southwest of former Tank 002.
MW-2	16	10-12	At the western end of former Tank 002 (within tank grave and soil excavation limits).
MW-3	15	NA	Along the eastern property boundary, near former Tanks 004 and 005.
MW-4	16	NA	North-northwest of the tank grave and soil excavation limits.

Note: NA – None Analyzed

5.1.2 Soil Sampling and Analyses

At each soil bore hole location, the soil was continuously sampled using the stainless steel Macro-Core sampler with a new, clean disposable acetate liners. Soil samples were collected for soil classification purposes and for field screening for total VOCs. A field-cleaned (refer to Section 5.4) Macro-core sampler, new disposable acetate liner and new, clean disposable gloves were used for each sampling interval. The acetate liner was removed from the Macro-core sampler and placed on a sampling table covered with clean polyethylene sheeting, and opened using a field-cleaned cutting device. Using gloved hands, a representative portion of the soil was placed in a new, clean sealable plastic bag for field screening with a PID meter. The remaining soil in the acetate liner was classified using the Unified Soil Classification System in general accordance with ASTM D-2488, Standard Practice for Description and Identification of Soils. The physical description of the soil including grain size, color, odors, staining, moisture content and firmness, and the geologic description of the soil were recorded on Geoprobe Subsurface Exploration Logs, which are presented in Appendix E.1.

The soil placed in a sealable plastic bag was field screened for total VOC vapors with a MiniRae 2000 PID meter that was calibrated prior to use in accordance with the manufacturer's instructions. The sample was allowed to equilibrate to ambient temperature, then shaken and allowed to equilibrate. The bag was then pierced and

the reading was taken. The PID meter readings were recorded on an Organic Vapor Headspace Analysis Log which is presented in Appendix E.2. The soil sampling PID meter screening results are discussed in Section 5.1.4.

Based on field observations and PID meter screening results, the soil sample from the 10 to 12-foot interval below grade from bore hole MW-2 was transferred from the PID meter screening bag to laboratory containers. A new pair of clean sampling gloves was used to transfer the soil to labeled, laboratory-supplied clean containers (glass jars with Teflon-lined lids) for VOCs and SVOCs analyses. The jars were sealed and subsequently placed into a cooler containing bagged ice and transport (trip) blank supplied by the laboratory for shipment to Chemtech via overnight Federal Express along with a completed chain of custody record. The soil sample was analyzed by Chemtech for NYSDEC STARS VOCs by EPA Method 8260, and NYSDEC STARS base/neutral SVOCS by EPA Method 8270. The transport blank was analyzed by Chemtech for NYSDEC STARS VOCs by EPA Method 8260. The laboratory analyses results are discussed in Section 5.1.4.

5.1.3 Soil Conditions

Bore holes MW-1, MW-3 and MW-4 were advanced outside of the limits of soil excavation, and bore hole MW-2 was advanced within the limits of soil excavation. The subsurface conditions on the Site and nearby (bore hole MW-1) consist primarily of brown fine to coarse sand with varying amounts of silt and gravel. Trace brick, indicating fill material, was encountered at bore hole MW-1 in the 0-4 and 4-8 feet below grade intervals and at bore hole MW-3 in the 0-4 feet below grade interval. At bore holes MW-1 and MW-2, gray silt or silt with sand was encountered at depths of 15.5 feet and 14 feet below grade, respectively. Two 2-inch pockets within the 12 to 13 feet below grade interval at bore hole MW-2 were stained and had a petroleum odor.

5.1.4 Field Screening and Laboratory Analyses Results

Based on field headspace screening of soil samples, the PID meter readings at bore holes MW-1, MW-3 and MW-4 ranged from 0.2 to 3.3 parts per million (ppm) above background levels. At bore hole MW-2, the PID meter readings ranged from 0.1 to 2.2 ppm above background levels, except within the intervals between 8 to 14 feet below grade where the PID meter readings ranged from 232 ppm (8-10') to 722 ppm (10-12')

above background levels. The highest PID meter reading exhibited by the 10-12 foot sample interval was retained for laboratory analysis as discussed above (Section 5.1.2).

The laboratory analytical results (detected compounds only) for the soil sample from MW-2 (10-12') are summarized in Table 1 at the end of the report text along with the corresponding PID meter screening result and the corresponding NYSDEC TAGM 4046 recommended soil cleanup objective values. A NYSDEC ASP Category A data deliverable package was prepared by Chemtech for the laboratory analyses of the referenced soil sample and is enclosed in Appendix C.3. The laboratory analyses results identified the presence of three NYSDEC STARS VOCs including 1,2,4-trimethylbenzene, n-butylbenzene and naphthalene at concentrations of 92 ug/kg, 16 ug/kg and 36 ug/kg, respectively. These concentrations are below their respective NYSDEC TAGM 4046 recommended soil cleanup objective values.

5.2 Monitoring Well Installations and Development

5.2.1 Monitoring Well Installations

Upon completion of soil sampling at each bore hole location, a micro monitoring well was installed in the bore hole created by the Geoprobe Macro-core sampler, except at bore holes MW-1 and MW-2 steel casing was driven to 16 feet below grade to facilitate the well installation due to heaving sands. The wells were installed at depths of 15 feet and 16 feet below grade. The wells were constructed of one-inch diameter, flush-threaded joint, Schedule 40 PVC riser pipe, 0.010-inch slot Schedule 40 PVC screen, bottom plug, and push-on well cap. The screen lengths were 10 feet. At each well location, following placement of the well in the bore hole, the annular space around the well screen was packed with silica quartz sand with a grain size of #1 to one foot above the screen. A two-foot bentonite seal, consisting of bentonite chips, was placed in the annulus above the sand pack to a depth approximately two to three feet below grade, and then hydrated. A cement-bentonite grout, made of Portland Type I/II cement, bentonite powder and water was placed above the seal to grade. A flush-mounted steel curb box with gasket and bolt down cover was installed over each well riser pipe, and concreted in place. Well construction details were recorded on Monitoring Well Construction Logs, which are included in Appendix E.3. A summary of the monitoring well installation information is presented in Table 5.2-1.

TABLE 5.2.-1
SUMMARY OF MONITORING WELL INSTALLATIONS
714 BROADWAY, SCHENECTADY, NEW YORK

Monitoring Well ID	Total Depth (ft bgs)	Screened Interval (ft bgs)	Screen Length (ft)	Sand Pack Interval (ft bgs)	Bentonite Seal Interval (ft bgs)	Elevation TOC [1] (ft amsl)	Elevation Top of Steel Curb Box [1] (ft amsl)
MW -1	16	6-16	10	5-15	3-5	232.26	232.50
MW -2	16	6-16	10	5-16	3-5	231.51	231.64
MW -3	15	5-15	10	5-15	2-4	231.56	231.71
MW -4	15	5-15	10	5-16	2-4	231.14	231.42

[1] Elevations are referenced to on-site benchmark (refer to section 5.5)
ft bgs is feet below ground surface
ft amsl is feet above mean sea level
TOC is top of casing (i.e., PVC riser pipe)

5.2.2 Monitoring Well Development

The four micro monitoring wells were developed by a C.T. Male Environmental Scientist on October 10, 2005 to remove fines from within the wells and to restore the natural hydraulic conductivity of the formation. Prior to well development, water levels were measured using a field-cleaned (refer to Section 5.4) water level meter, and well volumes were calculated. Each well was developed using the overpumping method with a peristaltic pump and polyethylene tubing. New, clean disposable polyethylene tubing was inserted into the well and oscillated up and down within the saturated screened interval while the groundwater and silt/sediment were removed with the peristaltic pump. Silt/sediment on the bottom of the wells was also removed. At each well, groundwater was pumped from the well into a graduated bucket.

After removal of each well volume, a sample of the groundwater was collected for measurement of the following field parameters: temperature, pH, conductivity and turbidity. Data was recorded and well development continued until turbidity was less than 50 Nephelometric turbidity units (NTUs), except at well MW-1 where the ending turbidity was 58.3 NTUs. A total of approximately six to eight well volumes were removed from each well. Development water was placed in a labeled 55-gallon drum and stored on the Site, pending disposal. The waste characterization, transportation and disposal of the development water is discussed in Section 6.6.

5.3 Groundwater Sampling and Laboratory Analyses

The groundwater sampling event was completed on October 12, 2005 by a C.T. Male Environmental Scientist and included water level measurements, purging and subsequent collection of groundwater samples from the four new micro monitoring wells, and submittal of the samples for laboratory analyses.

5.3.1 Water Level Measurements

Water level measurements were collected at the four micro monitoring wells on October 12, 2005, prior to collection of groundwater samples, and again on November 18, 2005 and December 22, 2005 determine the depth to groundwater and the direction of groundwater flow across the Site. Water level measurements were taken prior to and during the groundwater sampling event to determine the standing water column height, so that the well groundwater volume could be calculated. Upon arrival at each monitoring well, the well was observed for any damage and the cover of the curb box was unbolted. Water levels were measured in the monitoring wells using a field-cleaned (refer to Section 5.4) water level indicator probe. The water levels in each well were measured from a surveyed reference point (top of PVC riser pipe) to the nearest 0.01 foot. After each measurement, the water level probe and cable were decontaminated (refer to Section 5.4) prior to reuse at another location.

5.3.2 Monitoring Well Purging

At each well, clean polyethylene sheeting was placed on the ground surface around the well to prevent contamination of purging and sampling equipment. Prior to purging and sampling, the depth to groundwater at each well was measured using a field-cleaned water level meter to determine the well volume and the well was checked for free-phase product using a new clean disposable bailer and new clean polypropylene rope. No evidence of free-phase product was observed in the wells. Each well was purged using a peristaltic pump with new polyethylene tubing. The polyethylene tubing was rinsed with deionized water and then inserted into the well within the middle of the saturated screened interval of the well. A minimum of three well volumes of water were removed from each well.

After removal of each well volume, a sample of the groundwater was collected for measurement of the following field parameters: temperature, pH, conductivity and

turbidity. Instruments used to measure field parameters were calibrated prior to use in accordance with the manufacturer's instructions. Field parameter data was recorded and well purging continued until stabilization of field parameters was achieved, and turbidity was less than 5 NTUs or stabilized at less than 10 NTUs. Stabilization was defined as a 10 percent or less variation in conductivity, temperature and turbidity, and for pH readings within 0.1 units for three consecutive readings. Four to five well volumes were removed before stabilization of field parameters occurred. The purge water was placed in the same labeled 55-gallon drum as the development water and stored on the Site, pending disposal. The waste characterization, transportation and disposal of the purge water is discussed in Section 6.6.

5.3.3 Sampling Procedures and Laboratory Analyses

After allowing water levels in the wells to recover to at least 90% of the initial depth to water, groundwater samples were collected for laboratory analyses using new disposable bailers and new clean polypropylene rope. The sampler donned new, clean nitrile gloves prior to sample collection at each well. The samples for VOCs analysis were collected first by slowly lowering the bailer into the well to minimize sample aeration and turbidity. The samples for VOC analysis were collected into laboratory-supplied, pre-cleaned 40-milliliter (ml) glass vials with Teflon septum and screw-on cap and preserved with hydrochloric acid. The samples for SVOC analysis were collected into laboratory-supplied, pre-cleaned 1-liter amber glass sampling bottles with Teflon screw-on cap. The sample container labels were completed at the time of sampling, covered with clear tape to protect the labels, and placed in a cooler with bagged ice and a transport (trip) blank supplied by the laboratory. The sample identification, time, date and analyses were recorded on the chain of custody record. Field QC samples including equipment blank, field duplicate, MS/MSD and transport blank were collected as described in Section 5.3.4. Field parameter data and sampling activities were documented on Groundwater Services Field Logs, which are included in Appendix E.4.

The samples and transport blank were shipped via overnight Federal Express to Chemtech of Mountainside, New Jersey. Chemtech is a NYSDOH ELAP and NYSDEC ASP certified laboratory (ELAP No. 11376). The groundwater samples were analyzed by Chemtech for NYSDEC STARS VOCs by EPA Method 8260, and for NYSDEC STARS base/neutral SVOCS by EPA Method 8270. The transport blank was analyzed by

Chemtech for NYSDEC STARS VOCs by EPA Method 8260. The laboratory analysis protocol that was followed by the laboratory was the NYSDEC ASP Revised June 2000, and EPA SW-846 "Test Methods for Evaluating Solid Waste," as applicable. The groundwater analytical results are discussed in Section 5.7.

5.3.4 Field Quality Control Samples and Collection Procedures

Field QC samples were collected during the groundwater sampling to monitor and document the integrity and quality of the data. The QC samples were collected in the same sample containers and analyzed for the same parameters as the corresponding groundwater samples. The QC samples were also recorded on the chain of custody record. The QC samples collected during groundwater sampling included one equipment blank (EB) sample identified as EBGW01 of a new disposable bailer to check for equipment cleanliness; one field duplicate (FD) sample identified as FDGW01 to monitor analytical precision/reproducibility and sampling techniques; and one MS/MSD sample. The MS/MSD was collected in the field for laboratory QA/QC checks. A trip blank accompanied the shipment of samples submitted to the laboratory for VOCs analyses to monitor sample handling and contamination during transport. The procedures for collecting the QC samples is discussed below:

Equipment Blank: The EB for groundwater sampling with a disposable bailer was collected by pouring laboratory-supplied deionized water into a new disposable bailer and from the bailer into the appropriate laboratory sample containers in order of decreasing volatility (VOCs, then SVOCs). The EB sample (EBGW01) was collected from the bailer used to sample monitoring well MW-3.

Field Duplicate: The groundwater FD sample was collected by alternately placing an equal amount of water from the sampling device (i.e., bailer) into the sample container and duplicate sample container. The FD sample (FDGW01) was collected from monitoring well MW-2. An arbitrary sample time was recorded on the chain of custody record for the FD so that the laboratory would not know where the sample was collected.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): The groundwater MS/MSD sample was collected in the same manner as the field duplicate sample. The groundwater MS/MSD sample was collected from monitoring well MW-1.

Transport Blank: The transport (trip) blank was prepared and supplied by the laboratory and consisted of two 40-ml vials of laboratory-supplied water. The trip blank accompanied the samples through collection, packaging and shipment to the analytical laboratory.

5.4 Decontamination of Drilling and Sampling Equipment

All Geoprobe sampling equipment (rods and tools) and the Macro-core sampler were cleaned prior to the start of work, in between each sample interval and test bore hole, and at completion of the work with an Alconox and potable water wash, followed by a potable water rinse.

During groundwater purging, new disposable tubing was used with the peristaltic pump and during groundwater sampling new disposable polyethylene bailers were used thereby eliminating the necessity for those items to be decontaminated. The peristaltic pump was never in contact with the groundwater so it was not decontaminated. The water level meter and field parameters equipment were decontaminated before and after use and between well locations with an Alconox and potable water wash, followed by a potable water rinse and then a deionized water rinse. Sampling equipment utilized during the hand auger bore holes (during the building investigation) were also decontaminated before and after use with an Alconox and potable water wash, followed by a potable water rinse and then a deionized water rinse.

The decontamination water was containerized in a labeled 55 gallon drum and stored on the Site, pending disposal. The waste characterization, transportation and disposal of the decontamination water is discussed in Section 6.6.

5.5 Field Survey

The horizontal position and the vertical elevations of the top of the monitoring well curb box and the top (reference point) of the PVC monitoring well riser pipe were surveyed for the newly installed micro monitoring wells by C.T. Male under the supervision of a New York State licensed land surveyor. The vertical elevations of the micro monitoring wells were measured through differential leveling methods to the nearest 0.01 feet referenced to a known on-site benchmark elevation. Updated planimetric information including the new edge of asphalt pavement replacement, and

the location of the manhole sump and trench/work pit inside the building were also surveyed. The field survey was performed on October 31, 2005.

The on-site benchmark utilized for the vertical elevations is the x-cut on the northeast bolt of the traffic support pole base with an elevation of 233.30 feet above mean sea level. The benchmark vertical elevation is based on a Randall datum base used by the City of Schenectady.

5.6 Groundwater Elevations and Mapping

Water level depths were collected from the micro monitoring wells on October 12, 2005, November 18, 2005 and December 22, 2005 as summarized below in Table 5.6-1, Summary of Groundwater Elevation Data. The water level depths were converted to elevations (in feet above mean sea level) based on the site benchmark (Section 5.5) and the elevation of the top of the PVC well riser pipes.

Groundwater was generally observed from approximately 6.5 to 8 feet below ground surface or 224.36 to 225.02 feet above mean sea level. The maximum difference in groundwater elevation observed across the Site on the three dates ranged from 0.19 feet to 0.38 feet, and the groundwater gradients ranged from 0.003 to 0.008 feet/feet indicating a flat water table gradient. A groundwater contour map was generated for the water levels measured on December 22, 2005, and is presented as Figure 5, Groundwater Contour Map For December 22, 2005. Based on the mapped groundwater elevation data for December 22, 2005, the general groundwater flow direction across the Site and vicinity is inferred to be towards the northwest-west. However, when the water levels were measured on October 12, 2005 and November 18, 2005 and converted to groundwater elevations there was minimal difference in the groundwater elevations in wells MW-2, MW-3 and MW-4 and well MW-1 had a slightly lower groundwater elevation. Therefore, the inferred direction of groundwater flow may also be to the southwest.

Due to the flat water table gradient the inferred direction of groundwater flow appears to fluctuate and may be locally influenced by the remains of the cut stone foundation encountered during removal of the USTs and petroleum contaminated soil, as well as influenced by seasonal fluctuations in the water table elevation. Monitoring well MW-2 was installed within the excavation backfill and there appears to be mounding of groundwater in this area. Based on the inferred direction of groundwater flow as

mapped for the December 22, 2005 groundwater elevations, monitoring wells MW-1 and MW-4 are hydraulically downgradient and well MW-3 is hydraulically cross-gradient from the area of soil excavation.

The groundwater flow direction may also be influenced by the Cowhorn Creek. Southwest of the Site it flows above ground in a northwest and then a north direction between Altamont Avenue and south of Broadway, and then travels underground (west of the Site) to the north through the City to the Mohawk River.

TABLE 5.6-1
SUMMARY OF GROUNDWATER ELEVATION DATA
714 BROADWAY, SCHENECTADY, NEW YORK

Well ID	TOC Elevation [1] (feet amsl)	October 12, 2005		November 18, 2005		December 22, 2005	
		DTW (feet)	Groundwater Elevation	DTW (feet)	Groundwater Elevation	DTW (feet)	Groundwater Elevation
MW-1	232.26	7.81	224.45	7.62	224.64	7.90	224.36
MW-2	231.51	6.90	224.61	6.50	225.01	6.86	224.65
MW-3	231.56	6.92	224.64	6.54	225.02	6.91	224.60
MW-4	231.14	6.50	224.64	6.20	224.94	6.60	224.54

[1] Elevations are referenced to on-site benchmark (refer to section 5.5)
TOC is top of casing (i.e., PVC riser pipe)
amsl is above mean sea level
DTW is depth to water (measured from the top of the well riser pipe)

5.7 Groundwater Analytical Results and Data Validation

Four micro monitoring wells (MW-1 to MW-4) were installed as part of the groundwater investigation. These wells were sampled on October 12, 2005 and the groundwater samples analyzed for NYSDEC STARS VOCs by EPA Method 8260, and NYSDEC STARS base/neutral SVOCS by EPA Method 8270. The laboratory developed an ASP Category B data deliverable package for the groundwater samples analyzed including analytical results summaries and quality control data deliverables as set forth in NYSDEC ASP, Revised June 2000. A copy of the Chemtech data deliverable package is enclosed in Appendix F.

The groundwater analytical results were evaluated against the regulatory standards and guidance values presented in 6 NYCRR Part 703.5 and TOGS (Technical and

Operational Guidance Series) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

The laboratory analytical results for the groundwater samples collected at micro monitoring wells MW-1 through MW-4 show that no VOCs or SVOCs were detected at concentrations above method detection limits. In addition, no VOCs or SVOCs were detected in the QC samples (FDGW01, EBGW01) or the transport (trip) blank.

The data deliverable package for the groundwater samples was subjected to data validation in accordance with NYSDEC's Data Usability Summary Report (DUSR) guidelines to determine if the data was valid and usable. The data validation was performed by ChemWorld Environmental, Inc. (ChemWorld) of Rockville, Maryland. A DUSR, dated November 29, 2005, was prepared by ChemWorld based on review of Chemtech SDG No. T5189 for the groundwater samples submitted for chemical analyses (VOCs and SVOCs). A copy of ChemWorld's DUSR is enclosed in Appendix G. In general, the data validator indicated that the results were usable with no required modifications.

6.0 WASTE CHARACTERIZATION, TRANSPORTATION AND DISPOSAL OF IRM AND INVESTIGATION DERIVED WASTES, AND MISCELLANEOUS CHEMICAL PRODUCT CONTAINERS

6.1 General

Wastes generated during closure of the AST and USTs included asphalt pavement removed to access the USTs, empty tanks and ancillary piping, liquid wastes within select USTs, tank bottoms and tank cleaning wastes (absorbent pads, personal protective equipment), and petroleum contaminated soil. Wastes generated during the micro monitoring well installations and groundwater investigation included decontamination water, and well development and purge water. Other wastes identified for disposal were the miscellaneous chemical product containers present in the on-site building; and the liquid, sediment, decontamination and personal protective equipment wastes generated during closure of the manhole sump in the building.

Waste characterization forms (waste profiles) were prepared for the identified wastes to obtain disposal approval from the treatment, storage or disposal facility (TSDF), signed by a representative of the City of Schenectady, and submitted to the TSDF for processing. Where necessary, representative samples of the wastes were collected by a C.T. Male Environmental Scientist and attached to the waste characterization forms.

The wastes generated during the IRM work were transported by 6 NYCRR Part 364 permitted waste transporters and disposed of at 6 NYCRR Part 373, RCRA and/or 6 NYCRR Part 360 permitted TSDFs, as applicable. Bills of lading, non-hazardous waste manifest or hazardous waste manifests were utilized, as applicable, during the waste transportation and disposal. A representative of the City of Schenectady was present during waste pick-up.

A listing of the wastes generated, the waste disposal classification, and the transporter and disposal facility names and associated permit numbers is presented in Table 3 at the end of the report text. Copies of the approved waste characterization forms (waste profiles) are included in Appendices H.1 to H.5. Waste transporter and disposal facility permits are included in Appendices I.1 and I.2, respectively. Waste transportation and disposal documents are included in Appendices J.1 to J.7.

6.2 Asphalt Pavement

The asphalt pavement removed to access the USTs was transported by MCES to Pallette Stone in Saratoga Springs, New York to be recycled. A copy of the bill of lading and weight ticket is enclosed in Appendix J.1.

6.3 Steel Tanks and Piping

The steel bulk storage tanks and ancillary piping (fill and vent piping, electrical conduits) were transported by MCES to T.A. Predel & Co., Inc. located at 201 Edison Avenue, in Schenectady, New York to be recycled as scrap metal. Copies of the bills of lading for the transportation and disposal of the tanks and ancillary piping are included in Appendix J.2.

6.4 Tank Wastes

Two waste characterization profiles were completed, one for the liquid wastes (petroleum contaminated water) present in the USTs and one for the tank bottoms from the AST and USTs. A copy of the approved waste characterization profiles and approval letters from the TSDFs for the tank wastes are enclosed in Appendix H.1.

The liquid wastes (671 gallons based on quantity measured at the TSDF), profiled as a mixture of gasoline and water, were transported off site on September 27, 2005 by MCES and disposed of (reclaimed) at Norlite Corporation in Cohoes, New York. The two 55-gallon drums of gasoline and fuel oil tank bottoms were transported off site on September 27, 2005 by MCES for disposal at Bridgeport United Recycling in Bridgeport, Connecticut. A copy of the transporter permit for MCES, and a copy of the TSDF operating permits for Norlite Corporation and Bridgeport United Recycling are included in Appendices I.1 and I.2, respectively. A copy of the bill of lading (liquid waste) and non-hazardous waste manifest (drummed waste) for the shipments of tank wastes are enclosed in Appendix J.3.

6.5 Petroleum Contaminated Soil

A composite soil sample, identified as Landfill Characterization, was collected by a C.T. Male Environmental Scientist on September 26, 2005 of the petroleum contaminated soil from beneath Tank 005 for waste characterization. This sample was

collected to be representative of the petroleum contaminated soil present at the Site. The composite sample consisted of soil taken from four grab locations beneath the tank. The soil was removed from the excavation floor using the bucket of the excavator. Soil was then manually taken from the bucket using a new clean pair of sampling gloves and placed into laboratory-supplied glass containers with Teflon-lined lids. The containers were labeled and then placed in the cooler with bagged ice. A chain of custody record was completed and utilized to track the samples from the time they were collected until they were delivered to the laboratory. The sample was shipped via overnight Federal Express to Chemtech of Mountainside, New Jersey for laboratory analysis. As required by the disposal facility (City of Albany Landfill), the sample was analyzed for TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, TCLP metals and PCBs.

The laboratory analysis results of the composite soil sample collected beneath Tank 005 showed that no TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides or PCBs were detected in the sample at concentrations above method detection limits. TCLP metals analysis detected the presence of barium, chromium and lead at estimated concentrations of 437ug/L, 17.8 ug/L, and 59.1 ug/L, respectively. These concentrations are below the NYSDEC 6 NYCRR Part 371.3(e) TCLP regulatory levels indicating the petroleum contaminated soil is not a hazardous waste due to the toxicity characteristic. A copy of the laboratory analysis report and chain of custody record are enclosed in Appendix C.4.

A waste characterization profile was completed based on the waste characterization soil sampling results. A copy of the approved waste characterization profile from the TSDF for the petroleum contaminated soil is enclosed in Appendix H.2.

A total of 164.71 tons of gasoline contaminated soil was transported off site on October 3 and 4, 2005 by MCES and disposed of at the City of Albany Landfill located on Rapp Road in the City of Albany, New York. A copy of the transporter permit for MCES and a copy of the TSDF operating permit for the City of Albany Landfill are included in Appendices I.1 and I.2, respectively. A copy of the transportation and disposal bills of lading and weight tickets for disposal of the petroleum contaminated soil are enclosed in Appendix J.4.

6.6 Decontamination Water, and Well Development and Purge Water

A waste characterization profile was completed for the decontamination water, and well development and purge water generated during the micro monitoring well installations and groundwater investigation. One partially full 55-gallon drum of water was generated. A copy of the approved waste characterization profile and approval letter from the TSDF is enclosed in Appendix H.3.

The 55-gallon drum of liquid waste, profiled as a mixture of gasoline and water, was transported off site on February 7, 2006 by MCES and disposed of (reclaimed) at Norlite Corporation in Cohoes, New York. A copy of the transporter permit for MCES and a copy of the TSDF operating permit for Norlite Corporation are included in Appendices I.1 and I.2, respectively. A copy of the bill of lading for the shipment of the decontamination water, and well development and purge water is enclosed in Appendix J.5.

6.7 Miscellaneous Chemical Product Containers

On December 22, 2005, the containers of miscellaneous chemical products (Table 2) identified within the on-site building, as discussed in Section 4.2, were lab-packed for disposal by MCES and their subcontractor West Central Environmental, Inc. of Rensselaer, New York. A C.T. Male representative was on the Site to observe the lab-packing activities. The products were grouped together in lab-packs according to characteristics and compatibility including: waste flammable liquids (30-gallon lab-pack), waste pesticides (toxic, 5-gallon lab-pack), waste flammable aerosols (5-gallon lab-pack), asbestos waste (5-gallon lab-pack), waste aerosols (5-gallon lab-pack) and non-hazardous liquid waste (55-gallon lab-pack). Vermiculite was placed within the lab-packs to fill the voids between the product containers. In addition, the 30-gallon drum of grease was placed in an over-pack drum. Packing lists were completed for each lab-pack as they were generated.

Waste characterization profiles were completed for the lab-packs and for the grease. Three of the lab-packs were characterized as hazardous waste including the waste flammable liquids (D001, D035), the waste pesticides (D008, U248) and the waste flammable aerosols (D001). A copy of the approved waste characterization profiles and approval letters from the TSDF for the miscellaneous chemical product containers are enclosed in Appendix H.4.

The lab-packs of the miscellaneous chemical product containers and the 30-gallon drum of grease were transported off site on February 7, 2006 by West Central Environmental, Inc. and disposed of at Chemtron Corporation in Avon, Ohio. A copy of the transporter permit for West Central Environmental, Inc. and a copy of the TSDF operating permit for Chemtron Corporation are included in Appendices I.1 and I.2, respectively. A copy of the hazardous waste manifest and land disposal restriction form for the shipment of the miscellaneous chemical product containers and grease are enclosed in Appendix J.6.

6.8 Manhole Sump Wastes

A waste characterization profile was completed for the one partially full 55-gallon drum of water, sediment, decontamination and personal protective equipment waste generated from cleaning and closure of the manhole sump in the north garage bay of the on-site building. The waste was initially profiled as a Connecticut regulated waste consisting of an oil contaminated water and sediment mixture. Based on the laboratory analyses results of a representative sample of waste analyzed by the TSDF, the waste description was changed to non-regulated. A copy of the approved waste characterization profile and approval letter from the TSDF is enclosed in Appendix H.5.

The steel cover from the manhole sump was transported by MCES to T.A. Predel & Co., Inc. located at 201 Edison Avenue, in Schenectady, New York to be recycled as scrap metal. The drum of manhole sump waste was transported off site on April 26, 2006 by MCES and disposed of at Bridgeport United Recycling in Bridgeport, Connecticut. A copy of the transporter permit for MCES and a copy of the TSDF operating permit for Bridgeport United Recycling are included in Appendices I.1 and I.2, respectively. A copy of the receipt for the manhole sump steel cover and non-hazardous waste manifest for the shipment of manhole sump wastes is enclosed in Appendix J.7.

7.0 SUMMARY AND CONCLUSIONS

An IRM has been completed for the property located at 714 Broadway in the City of Schenectady, Schenectady County, New York in substantial conformance with the IRM Work Plan, 714 Broadway Site, NYSDEC Spill No. 04-00440 dated March 31, 2005 (revised June 23, 2005). A summary of the IRM actions, findings and conclusions is discussed below.

The IRM included the closure and removal of four gasoline USTs and one fuel oil AST, and the transportation and disposal of tank wastes; the excavation and disposal of approximately 165 tons of petroleum contaminated soil; the monitoring and investigation of the interior of the on-site building, and closure of the manhole sump within the building; a groundwater investigation including the installation, development, purging and sampling of four micro monitoring wells and laboratory analyses of the groundwater samples to further evaluate potential impacts to groundwater from the USTs and residual petroleum contaminated soil remaining in place; and the characterization, transportation and disposal off-site of investigation derived wastes generated during the IRM and miscellaneous containers of chemical products present in the Site building.

AST and USTs Closures and Soil Remediation

Based on review of Sanborn maps, the gasoline USTs may have been present since between 1930 and 1953. Several holes were present in the 3,000 gallon USTs along the bottom and/or ends of the tanks. The petroleum contaminated soil was predominantly encountered at approximately 8 feet below grade (near the bottom of the 3,000 gallon USTs) and extended to depths of approximately 10 to 13 feet below grade, based on the extent of contaminated soil that was excavated. The horizontal limits of soil excavation encompassed an area approximately 31 feet (north-south) by 28 feet (east-west). The soils excavated generally consisted of fill soils consisting of sand and silt with varying amounts of gravel overlying silty sand soils. Gray silt with varying amounts of sand was encountered at deeper depths, which appears to have limited the vertical and horizontal migration of contamination due to its generally lower permeability. Minimal groundwater entered the excavation during the work due to the lower permeability of the native soils.

Based on PID meter readings and visual and olfactory observations, residual petroleum contaminated soil remains along a small area of the east side wall of the excavation, just opposite the end of Tank 5, and along the southwest side walls of the excavation. Further excavation to the east was not possible due to the presence of a natural gas line along the eastern property boundary. Further excavation to the south and west was not possible due to the presence of underground electric, the side walk (off-site) and the close proximity of Weaver Street (off-site).

With the exception of two sampling locations, the post-excavation soil sampling of the tank grave bottom and side walls indicated that petroleum-related compounds were 1) not detected at concentrations above laboratory method detection limits (nine of fourteen sampling locations), 2) were detected at estimated concentrations of less than 2 ug/kg (two sampling locations), or 3) were detected at concentrations below their respective NYSDEC TAGM 4046 recommended soil cleanup objective values (one sampling location). The two post-excavation soil samples where VOCs were detected above the NYSDEC TAGM 4046 recommended soil cleanup objective values were along the east side wall opposite Tank 005 (Tank 5 East Wall), and along the western portion of the south side wall (South Wall West). The VOCs detected in the soil samples from these areas were generally within the same order of magnitude as the NYSDEC TAGM 4046 criteria, except m&p xylene in the Tank 5 East Wall sample, which was detected about an order of magnitude higher than its TAGM 4046 recommended soil cleanup objective value. As previously noted, further excavation of residual impacted soil in these areas was hindered by underground utilities and/or property boundaries. Residual impacts in these areas appear to be isolated in nature.

Monitoring and Investigation of Building Interior, and Closure of Manhole Sump in Building

A 4.2-foot deep concrete trench/work pit and 3-foot deep concrete manhole sump were present in the interior of the Site building, as well as numerous containers of miscellaneous chemical products. The chemical product containers were characterized, packaged and properly disposed of off-site.

Two hand auger bore holes were advanced inside the building, including in the area of the building north of the trench/work pit (HA-1) and in the soil observed within the sump in the trench/work pit (HA-2). No evidence of soil contamination was

encountered at the hand auger bore hole locations based on visual observations (no odors or staining) and PID meter readings which were zero or <1 ppm.

Water present in the manhole sump did not have a sheen, but a septic odor was noted emanating from the sump and the side walls of the sump were oil stained. A 2-inch pipe entering the south wall of the sump was located with a Metrotech pipe locator and determined to travel in a southerly direction to just outside the south wall of the Site Building where the signal stopped. The north wall of the soil excavation extended to approximately 7 feet from the Site building and monitoring well MW-4 was installed within approximately 6 to 7 feet west from where the signal with the Metrotech pipe locator stopped while locating the 2-inch pipe. If significant soil and/or groundwater contamination was associated with the 2-inch line from the manhole sump it is anticipated that there would have been evidence of the contamination during the latter IRM activities.

To eliminate the manhole sump as a potential future source of contamination since the outlet of the 2-inch pipe appears to terminate outside the building, the contents of the manhole sump were removed and properly disposed of off-site, the sump was cleaned and then it was filled with concrete.

Monitoring Well Installations and Groundwater Investigation

Four micro monitoring wells were installed in the vicinity of the former USTs, including on the east side of the excavation (MW-3), northwest of the excavation (MW-4), southwest of the excavation (MW-1) and within the southwest area of the backfilled excavation (MW-2). Groundwater was encountered at depths of approximately 6.5 to 8 feet below grade, and is inferred to generally be flowing across the Site in a northwest-west direction as mapped on December 22, 2005. However, due to the flat water table gradient (0.003 to 0.008 feet/feet) observed (Table 5.6-1), the inferred groundwater flow direction may vary seasonally and include a southwest component. Groundwater samples were collected from the wells and analyzed to determine potential impacts to the groundwater quality from the residual petroleum contaminated soil remaining in place. Laboratory analytical results showed that no NYSDEC STARS VOCs or NYSDEC STARS base/neutral SVOCs were detected in the groundwater samples at concentrations above laboratory method detection limits.

Based on the groundwater sampling results and inferred direction of groundwater flow, it appears that the former USTs, the petroleum contaminated soil that has been excavated, and the residual petroleum contaminated soil that remains in place have not impacted the groundwater quality beneath the Site and vicinity (MW-1 in side walk off-site).

In view of the IRM actions conducted and associated findings described within this report, no further remedial actions with regard to the Site soil or groundwater are warranted based on the following:

- The sources of petroleum contamination (USTs and contaminated soil) have been removed, and the residual contaminated soil that remains is greater than 7 feet below grade and below asphalt pavement or concrete side walk and therefore not readily accessible. Also, the Site and surrounding area are supplied with municipal water.

- The potential for migration of the residual petroleum contaminated soil remaining in place appears to be minimal due to the generally lower permeability of the native soils, as evidenced by minimal groundwater entering the excavation during the soil remediation work, and due to the flat water table gradient.

- The groundwater quality beneath the Site does not appear to have been impacted by the former USTs and residual petroleum contaminated soil remaining in place as no petroleum related compounds were detected in the groundwater samples analyzed from the monitoring wells installed across the Site and vicinity (MW-1).

Respectfully submitted,

C.T. MALE ASSOCIATES, P.C.

John L. Favreau
Sr. Environmental Scientist

Elizabeth W. Rovers
Elizabeth W. Rovers, P.E.
Managing Engineer

k:\projects\055086\admin\IRM Report\R_714 Broadway Final IRM Report.doc

TABLES

Table 1: Summary of Soil Sampling Results and Regulatory Standards
Table 2: Inventory of Miscellaneous Chemical Product Containers
Table 3: Waste Streams Identification, Transportation and Disposal Summary

TABLE 1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY STANDARDS
714 BROADWAY, CITY OF SCHENECTADY, NEW YORK

Sample Collection Date:		10/3/2005	10/3/2005	10/3/2005	10/3/2005	10/3/2005	10/3/2005	10/4/2005	10/4/2005	10/4/2005	10/3/2005	10/3/2005	10/3/2005	10/3/2005	10/3/2005	10/4/2005	10/6/2005
Sample Number, ID and Location: [3]		No. 14 - Tank 1 Floor	No. 8 - Tank 1 West Wall	No. 15 - Tank 2 Floor	No. 7 - Tank 2 West Wall	No. 4 - Tank 2 East Wall	No. 1 - Tank 4 East Wall	No. 12 - Tank 4 Floor	No. 9 - Tank 5 West Wall	No. 13 - Tank 5 Floor	No. 2 - Tank 5 East Wall	No. 6 - South Wall (West)	FD01 (South Wall West)	No. 5 - South Wall (East)	No. 11 - North Wall (East)	No. 10 - North Wall (West)	MW-2
Depth:		11'	10'	13'	9'	10'	9'	10'	10'	12'	10'	9'	9'	10'	10'	9'	10-12'
PID Meter Screening Results (ppm):		0.8	975.8	1.7	2582.1	12.6	2.9	0.8	271.6	5.3	2261.7	1774.7	1774.7	1.2	2.4	0.8	722
PARAMETER [1]	TAGM 4046 GUIDANCE VALUES [2] ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
STARS Volatile Organic Compounds (VOCs) by EPA Method 8260:																	
1,2,4-Trimethylbenzene	10000	<0.50	<120	<0.49	<110	<0.44	<0.49	1.3 J	<0.48	<0.51	**32000**	**12000**	8000	<0.44	<0.48	<0.43	92
1,3,5-Trimethylbenzene	3300	<0.65	<120	<0.64	<110	<0.57	<0.63	<0.61	<0.62	<0.67	**15000**	<55	<54	<0.57	<0.62	<0.56	<0.58
Ethylbenzene	5500	<0.47	<130	<0.46	<120	<0.41	<0.45	<0.44	<0.45	<0.48	1600	<61	<60	<0.41	<0.45	<0.40	<0.42
Isopropylbenzene	2300	<0.55	<100	<0.54	<98	<0.48	<0.53	<0.52	<0.52	<0.56	1500	<50	<49	<0.48	<0.53	<0.47	<0.49
m&p Xylene	1200	<1.1	<300	<1.1	<280	<0.99	<1.1	<1.1	<1.1	<1.2	**19000**	<150	<140	<0.99	<1.1	<0.97	<1.0
n-Butylbenzene	10000	<0.44	<150	<0.44	4200	<0.39	<0.43	<0.42	<0.43	<0.46	8100	4300	3300	<0.39	<0.43	<0.38	16
n-Propylbenzene	3700	<0.71	<120	<0.69	2800	<0.62	<0.69	<0.67	<0.68	<0.72	**9100**	**5800**	**4400**	<0.62	<0.68	<0.60	<0.63
Naphthalene	13000	<0.77	<150	<0.76	<140	<0.67	<0.75	<0.73	1.5 J	<0.79	2800	<70	<69	<0.67	<0.74	<0.66	36
o-Xylene	1200	<0.51	<110	<0.50	<110	<0.44	<0.49	<0.48	<0.48	<0.52	1000	<55	<54	<0.44	<0.49	<0.43	<0.45
p-Isopropyltoluene	10000	<0.56	<110	<0.55	<110	<0.49	<0.54	<0.53	<0.54	<0.57	1500	<55	<53	<0.49	<0.54	<0.48	<0.50
sec-Butylbenzene	10000	<0.55	<130	<0.54	2200	<0.48	<0.54	<0.52	<0.53	<0.56	1900	1800	1400	<0.48	<0.53	<0.47	<0.49
Total VOCs	-	BDL	BDL	BDL	9200	BDL	BDL	1.3	1.5	BDL	93500	23900	17100	BDL	BDL	BDL	144
STARS SVOCs by EPA Method 8270:																	
Phenanthrene	50000	<68	<64	<67	<60	<59	<66	<66	<66	<70	<60	72 J	68 J	<60	<65	<59	<62
Anthracene	50000	<64	<61	<63	<57	<56	<62	<62	<62	<66	<57	<59	66 J	<57	<62	<56	<59
Naphthalene	13000	<73	<69	<71	<65	<63	<70	<70	<70	<75	970	<67	<65	<65	<70	<63	<66

Notes:
ug/kg denotes micrograms per kilogram or parts per billion (ppb).
ppm denotes parts per million.
Results are presented on a dry weight basis.
J = Estimated Value; BDL = Below Detection Limit
Values in bold exceed TAGM 4046 recommended soil cleanup objective values.
[1] Only the compounds that were detected are listed.
[2] TAGM 4046: NYSDEC Determination of Soil Cleanup Objectives & Cleanup Levels, January 1994 and Addendums dated December 20, 2000, April 10, 2001 and July 10, 2001.
[3] The sample number corresponds to the sample location number shown on Figure 4.

Notes:
ug/kg denotes micrograms per kilogram or parts per billion (ppb).
ppm denotes parts per million.
Results are presented on a dry weight basis.
J = Estimated Value; BDL = Below Detection Limit
Values in bold exceed TAGM 4046 recommended soil cleanup objective values.
[1] Only the compounds that were detected are listed.
[2] TAGM 4046: NYSDEC Determination of Soil Cleanup Objectives & Cleanup Levels, January 1994 and Addendums dated December 20, 2000, April 10, 2001 and July 10, 2001.
[3] The sample number corresponds to the sample location number shown on Figure 4.

TABLE 2
INVENTORY OF MISCELLANEOUS CHEMICAL PRODUCT CONTAINERS
714 BROADWAY, CITY OF SCHENECTADY, NEW YORK

Location	Number of Containers	Product Name/Contents	Container Size/Quantity
Trench - 1st Floor	1	Heavy Oil or Grease	30 gallon drum (3/4 full)
Closet - 1st Floor	2	Rat Poison	box
	1	Asbestos Furnace Cement	5 pounds
	1	Windshield Sealer	7.5 ounces
	1	Unknown (contained dried paint)	5 pounds
	2	Brazo Flux	8 pounds
	1	White Lead Putty	1 quart
	1	Majic-Mirro Lux Enamal	1 half pint
	1	Rug and Upholstery Cleaner	1 pint
	1	Varnish Stain	1 half pint
	1	Majic Spray	13 ozs aerosol
	1	Pressurized Finish	10 ozs aerosol
	5	Paint	1 gallon (all 1/2 full)
	1	Thinner	1 quart (1/2 full)
	3	Pipe Compound	1 half pint
	1	Spectra Container (contained motor oil)	5 gallons (1/2 full)
	2	Hewitts Lawn Food	30 lbs bags
Above Trench	1	Rinse Vac Cleaner	1/2 gallon
(North End)	1	Latex Paint	1 gallon (1/2 full)
	1	Semi Gloss Enamel	1 liter
	1	Valvoline Oil	1 quart (3/4 full)
	1	Paint Thinner	1 gallon (3/4 full)
	1	OXO Deck Urethane	3.2 pounds
	1	SAC 17 Silicone Sealer	1 quart (1/2 full)
	1	Sand Ban Surface Prep.	1 quart (1/2 full)
Garage Bay with AST	1	Linseed Oil	1 gallon
Base of Stairs	2	Chill Re-Usable Cold Pack	1 pint
(by shower)	2	Elmers Glaze Tuff Compound	8 ounces
	1	Off Bug Spray	aerosol
Upstairs - 2nd Floor	1	Aspalt Driveway Sealer	5 gallons
	1	Ortho Rose and Flower Care	5 pounds
	1	Preen (Prevents Weeds)	2 pounds
	2	Ever-Dri Silicone	4 ounces
	1	Super Gloss Enamel	1 pint
	1	Epoxy Seam Adhesive	1 pint
	1	Weed Controller	bag

TABLE 3
WASTE STREAMS IDENTIFICATION,
TRANSPORTATION AND DISPOSAL SUMMARY
714 BROADWAY, CITY OF SCHENECTADY, NEW YORK

Waste Type	Quantity	Disposal Classification	Transporter	Transporter Permit No.	Treatment, Storage or Disposal Facility	Treatment, Storage or Disposal Facility Permit No.
Asphalt Pavement Material	17.01 tons	Non-Regulated (Asphalt Pavement)	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Pallette Stone Corporation Saratoga Springs, NY	Not Applicable
Steel Tanks, Piping and Electrical Conduit	3 3000-Gallon, 1 1000-Gallon, 1 275-Gallon Tanks	Non-Regulated (Scrap Steel)	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	T.A. Predel & Co., Inc. Schenectady, NY	Not Applicable
Gasoline and Water Mixture (Liquids From USTs)	671 Gallons	Gasoline and Water Mixture, 3 UN1203 PG II	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Norlite Corporation Cohoes, NY	NY Permit # 4-0103-16/16-0 EPA ID # NYD080469935
Gasoline and Fuel Oil Tank Bottoms (Tank Bottoms, Absorbent Pads and PPE)	2 55-Gallon Drums	Connecticut Regulated Waste None None	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Bridgeport United Recycling Bridgeport, CT	CT Permit # DEP/HWM 0015-001 EPA ID # CTD002593887
Petroleum Contaminated Soil	164.71 Tons	Non-Hazardous Petroleum Contaminated Soil None None	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Albany Landfill Albany, NY	NY Permit # 4-0101-00171/00011
Gasoline and Water Mixture (Decontamination Water, Well Development and	55-Gallon Drum	Gasoline and Water Mixture, 3 UN1203 PG II	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Norlite Corporation Cohoes, NY	NY Permit # 4-0103-16/16-0 EPA ID # NYD080469935

TABLE 3
WASTE STREAMS IDENTIFICATION,
TRANSPORTATION AND DISPOSAL SUMMARY
714 BROADWAY, CITY OF SCHENECTADY

Waste Type	Quantity	Disposal Classification	Transporter	Transporter Permit No.	Treatment, Storage or Disposal Facility	Treatment, Storage or Disposal Facility Permit No.
Purge Water)						
Waste Flammable Liquids (Lab-Pack 714B-2)	30-Gallon Drum	RQ Waste Flammable Liquid, N.O.S. 3 UN1993 PG II (D001, D035) ERG128	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Waste Pesticides (Toxic) (Lab Pack 714B-3)	5-Gallon Bucket	Waste Pesticides, Solid, Toxic, N.O.S. 6.1 UN2588 PG II (D008, U248) ERG151	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Waste Flammable Aerosols (Lab Pack 714B-5)	5-Gallon Bucket	Waste Aerosols, Flammable, N.O.S. 2.1 UN1950 (D001) ERG126	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Asbestos (Lab Pack 714B-4)	5-Gallon Bucket	Asbestos, 9 NA2212 PG III ERG171	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Aerosols (Poison) (Lab Pack 714B-6)	5-Gallon Bucket	Aerosols, Poison, N.O.S. 2.2 UN1950 ERG126	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Non-Hazardous Liquid (Lab Pack 714B-1)	55-Gallon Drum	USDOT Non-Regulated Material Non-Hazardous Liquid	West Central Environmental, Inc. Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID #	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID #

TABLE 3
WASTE STREAMS IDENTIFICATION,
TRANSPORTATION AND DISPOSAL SUMMARY
714 BROADWAY, CITY OF SCHENECTADY

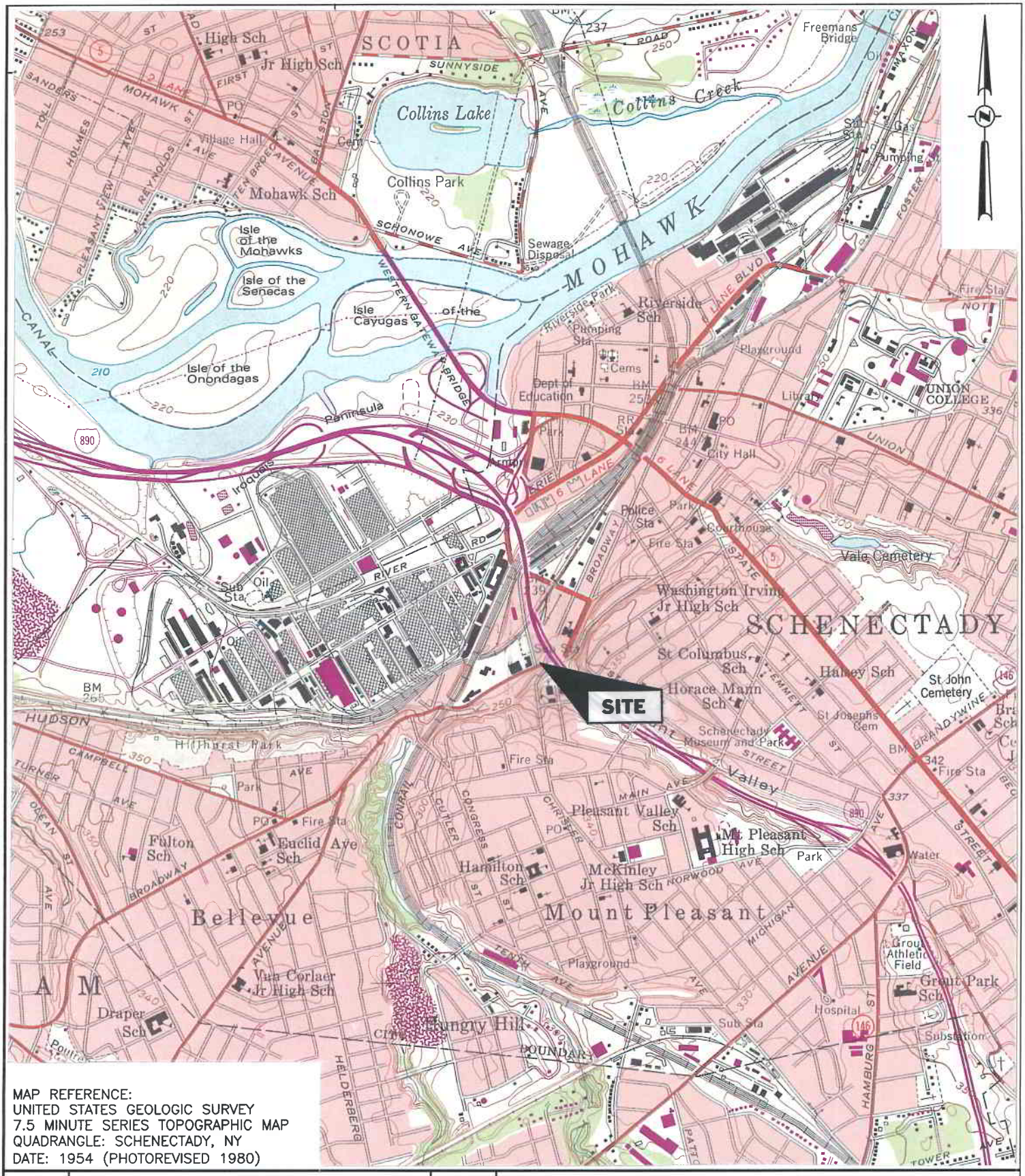
Waste Type	Quantity	Disposal Classification	Transporter	Transporter Permit No.	Treatment, Storage or Disposal Facility	Treatment, Storage or Disposal Facility Permit No.
				NYD000708271		OHD066060609
Grease	30-Gallon Drum	USDOT Non-Regulated Material Non-Hazardous Grease	West Central Environmental Rensselaer, NY	6NYCRR Part 364 Permit # 4A-106 EPA ID # NYD000708271	Chemtron Corporation Avon, OH	Ohio EPA ID# 02-47-0431 EPA ID # OHD066060609
Steel Manhole Cover (Steel Cover from Manhole Sump)	One	Non-Regulated (Scrap Steel)	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	T.A. Predel & Co., Inc. Schenectady, NY	Not Applicable
Oil Contaminated Water and Sediment Mixture (Manhole Sump and Decontamination Wastes, PPE)	1 55-Gallon Drum	Non-Regulated Non-DOT Material None None	MC Environmental Services, Inc. South Glens Falls, NY	6 NYCRR Part 364 Permit # 5A-175 EPA ID # NYR000021071	Bridgeport United Recycling Bridgeport, CT	CT Permit # DEP / HWM 0015-001 EPA ID # CTD002593887

FIGURES

Figure 1: Site Location Map
Figure 2: City of Schenectady Tax Map
Figure 3: Boundary Survey, Lands Now or Formerly of the City of Schenectady, 714 Broadway
Figure 4: Tank Closures and Soil Remediation Limits and Sampling Locations Map
Figure 5: Groundwater Contour Map For December 22, 2005

Figure 1: Site Location Map

NO XREFS



MAP REFERENCE:
UNITED STATES GEOLOGIC SURVEY
7.5 MINUTE SERIES TOPOGRAPHIC MAP
QUADRANGLE: SCHENECTADY, NY
DATE: 1954 (PHOTOREVISED 1980)

Date	RECORD OF WORK	Appr.

Drafter: JAM | Checker:

Appr. by: | Proj. No. 04.9133

FIGURE 1
SITE LOCATION MAP
714 BROADWAY SITE

CITY OF SCHENECTADY | SCHENECTADY COUNTY, NY

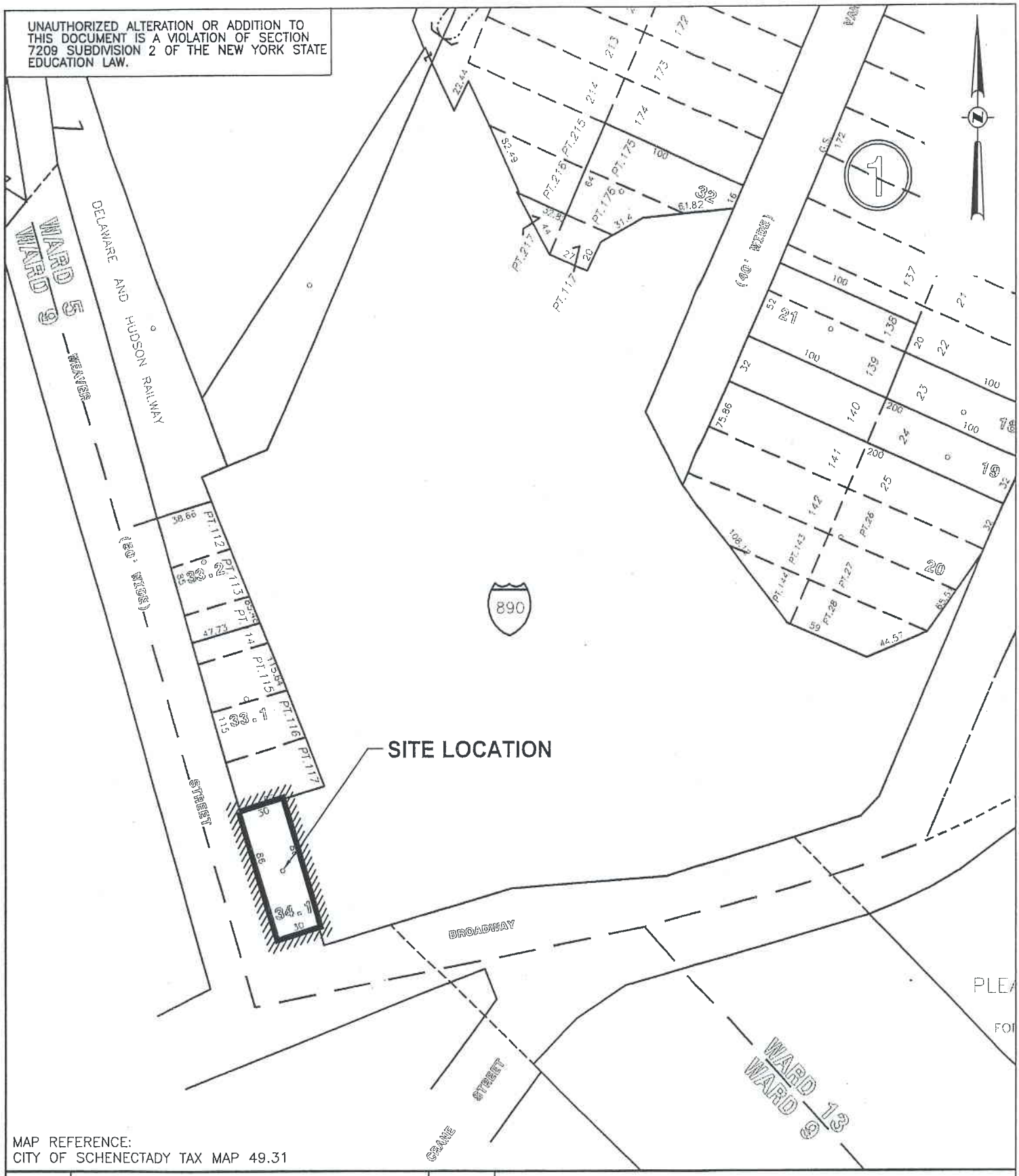
C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
Architecture & Building Systems Engineering * Civil Engineering
Environmental Services * Survey & Land Information Services

SCALE: 1"=2,000' | DATE: MARCH 2004

D DWG. FILE NAME: TAX MAP.DWG

Figure 2: City of Schenectady Tax Map

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



Date	RECORD OF WORK	Appr.

Drafter: JAM | Checker:

Appr. by: | Proj. No. 04.9133

FIGURE 2
CITY OF SCHENECTADY TAX MAP
714 BROADWAY SITE

CITY OF SCHENECTADY | SCHENECTADY COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
Architecture & Building Systems Engineering * Civil Engineering
Environmental Services * Survey & Land Information Services

SCALE: NOT TO SCALE | DATE: MARCH 2004

NO XREFS

AD DWG. FILE NAME: TAX MAP.DWG

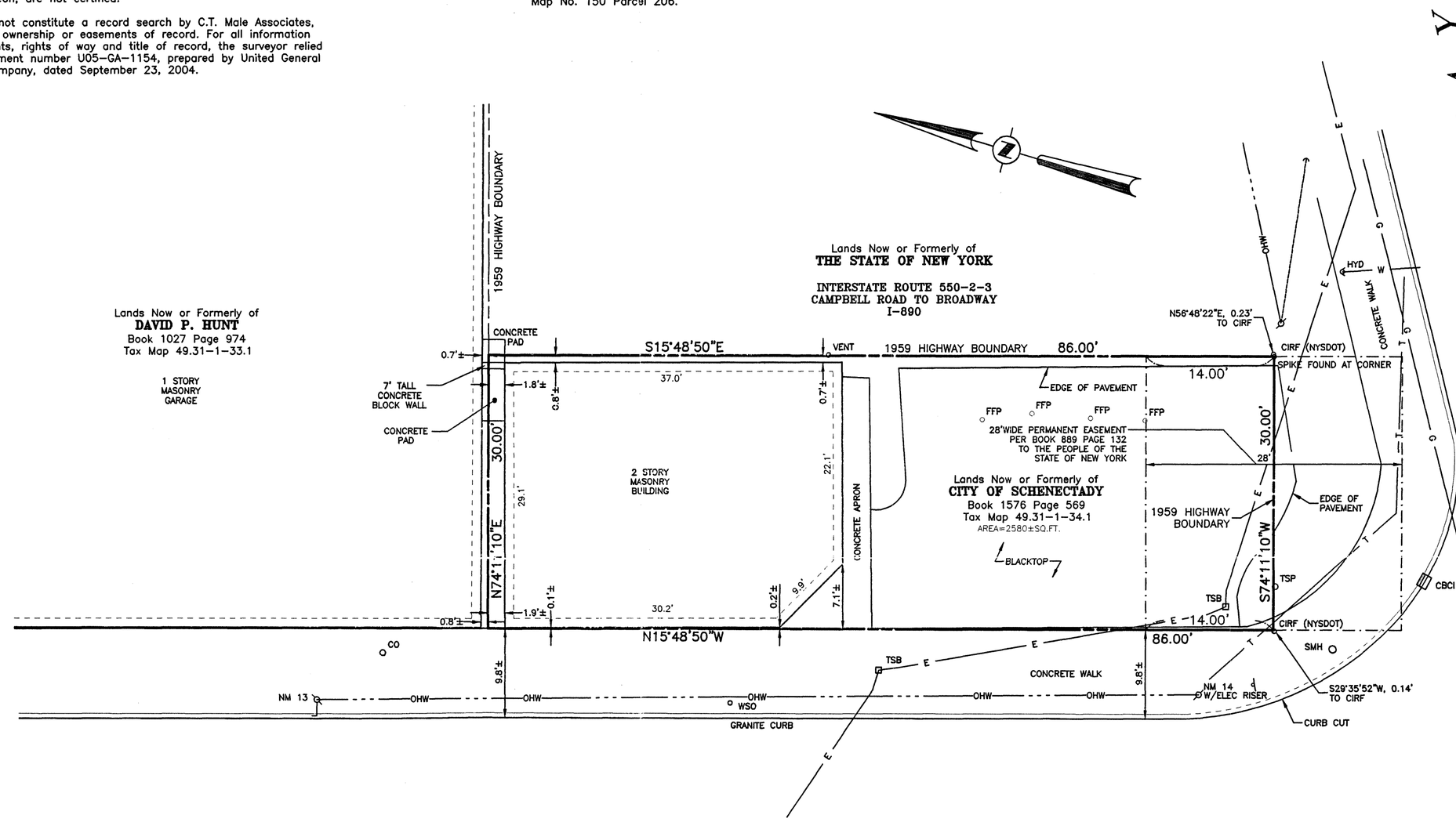
Figure 3: Boundary Survey, Lands Now or Formerly of the City of Schenectady, 714 Broadway

Map Notes:

1. Information shown hereon was compiled from an actual field survey conducted on April 22, 2005.
2. North orientation and bearing base per map reference No. 1.
3. The locations of underground improvements or encroachments, if any exist or are shown hereon, are not certified.
4. This survey does not constitute a record search by C.T. Male Associates, P.C. to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, the surveyor relied upon title commitment number U05–GA–1154, prepared by United General Title Insurance Company, dated September 23, 2004.

Map Reference:

1. "New York State Appropriation Maps for 1959 Highway Boundary" as recorded in the New York Department of Transportation Region One Office.
   Interstate Route Connection 550–2–3, Campbell Road to Broadway
   Map No. 102 Parcel 123
   Map No. 101 Parcel 122
   Map No. 150 Parcel 206.



BAR SCALE
10 0 5 10 20
1 inch = 10 ft.

LEGEND

○ CIRF	CAPPED IRON ROD FOUND
	UTILITY POLE
	UTILITY POLE WITH LIGHT
	GUY WIRE
—OWH—	OVERHEAD WIRES
— E —	UNDERGROUND ELECTRIC LINE
○ TSP	TRAFFIC SUPPORT POLE
□ TSB	TRAFFIC SIGNAL BOX
— T —	UNDERGROUND TELEPHONE LINE
HYD	HYDRANT
○ WSO	WATER SHUTOFF
— W —	UNDERGROUND WATER LINE
— G —	UNDERGROUND GAS LINE
CBCI	CATCH BASIN (CURB INLET)
○ SMH	SANITARY MANHOLE
○ CO	SANITARY CLEANOUT
	SIGN
○ FFP	FUEL FILL PIPE

"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES, P.C. OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY".

ROBERT N. STEWART
PLS No. 49426

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

© 2005 C.T. MALE ASSOCIATES, P.C.

APPROVED: WJN
DRAFTED : J. WHITE
CHECKED :
PROJ. NO: 05.5086
SCALE : 1" = 10'
DATE : APRIL 22, 2005

BOUNDARY SURVEY

LANDS NOW OR FORMERLY OF

THE CITY OF SCHENECTADY

714 BROADWAY

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING • CIVIL ENGINEERING
ENVIRONMENTAL SERVICES • SURVEY & LAND INFORMATION SERVICES

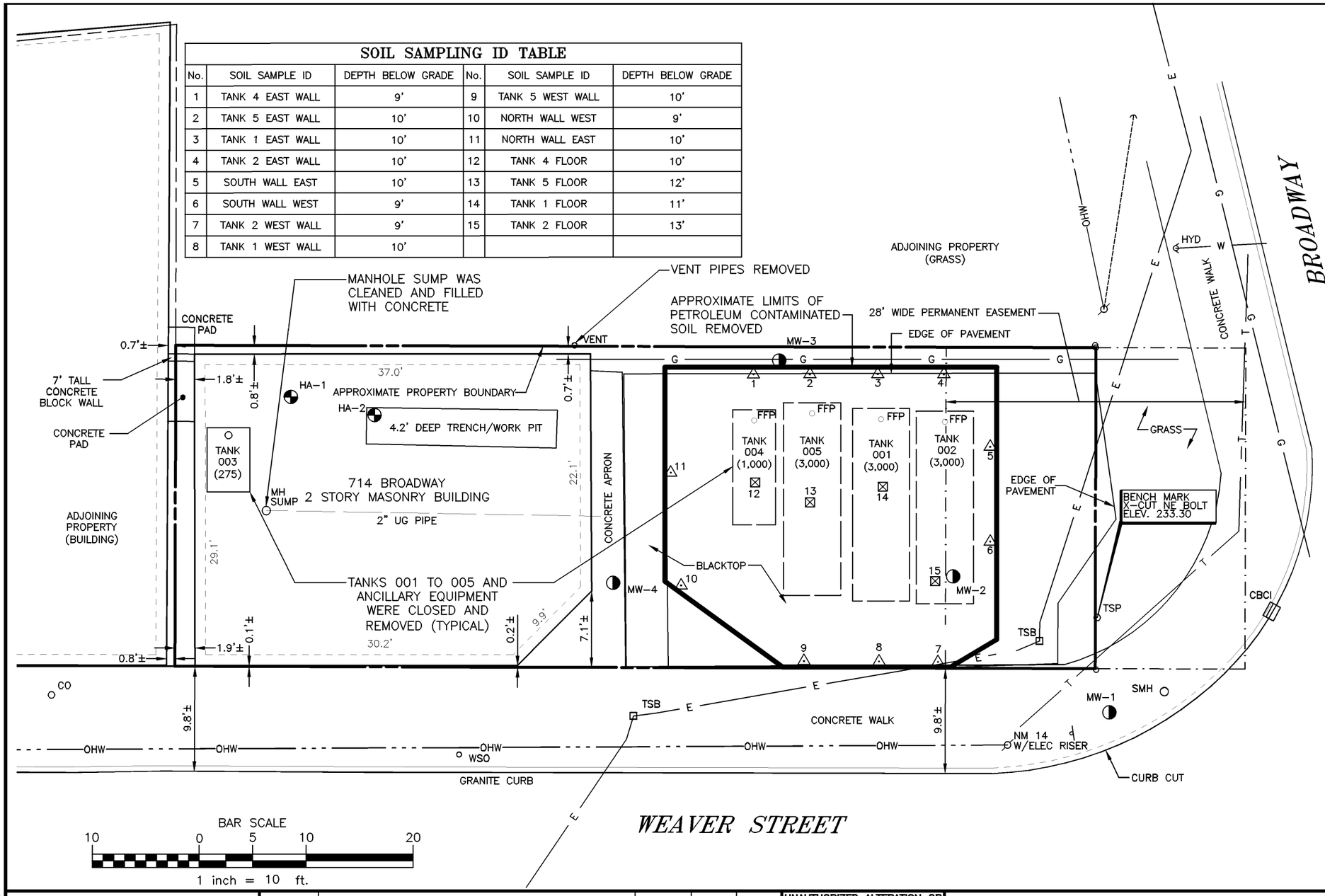
SHEET 1 OF 1
DWG. NO: 05–332

CAD DWG. FILE NAME: BS.DWG

Figure 4: Tank Closures, Soil Remediation Limits and Sampling Locations Map

SOIL SAMPLING ID TABLE

No.	SOIL SAMPLE ID	DEPTH BELOW GRADE	No.	SOIL SAMPLE ID	DEPTH BELOW GRADE
1	TANK 4 EAST WALL	9'	9	TANK 5 WEST WALL	10'
2	TANK 5 EAST WALL	10'	10	NORTH WALL WEST	9'
3	TANK 1 EAST WALL	10'	11	NORTH WALL EAST	10'
4	TANK 2 EAST WALL	10'	12	TANK 4 FLOOR	10'
5	SOUTH WALL EAST	10'	13	TANK 5 FLOOR	12'
6	SOUTH WALL WEST	9'	14	TANK 1 FLOOR	11'
7	TANK 2 WEST WALL	9'	15	TANK 2 FLOOR	13'
8	TANK 1 WEST WALL	10'			



LEGEND

HA–1	APPROXIMATE HAND AUGER LOCATION ADVANCED 10/05 (TYPICAL)
MW–1	MONITORING WELL LOCATION AND ID INSTALLED 10/06/05 (TYPICAL)
⊠ 12	APPROXIMATE LOCATION OF CONFIRMATORY SOIL SAMPLE FROM EXCAVATION FLOOR. SEE SOIL SAMPLING ID TABLE (TYPICAL)
△ 1	APPROXIMATE LOCATION OF CONFIRMATORY SOIL SAMPLE FROM EXCAVATION SIDE WALL. SEE SOIL SAMPLING ID TABLE (TYPICAL)
○	CAPPED IRON ROD FOUND
	UTILITY POLE
	UTILITY POLE WITH LIGHT
←--------	GUY WIRE
—OWH—	OVERHEAD WIRES
— E —	UNDERGROUND ELECTRIC LINE
○ TSP	TRAFFIC SUPPORT POLE
□ TSB	TRAFFIC SIGNAL BOX
— T —	UNDERGROUND TELEPHONE LINE
HYD	HYDRANT
○ WSO	WATER SHUTOFF
— W —	UNDERGROUND WATER LINE
— G —	UNDERGROUND GAS LINE
CBCI	CATCH BASIN (CURB INLET)
○ SMH	SANITARY MANHOLE
○ CO	SANITARY CLEANOUT
	SIGN
○ FFP	FUEL FILL PIPE

NOTE:
1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

2. HOWEVER, THE MH SUMP, TRENCH/WORK PIT, EDGE OF PAVEMENT AND MONITORING WELLS WERE SURVEYED BY C.T. MALE ASSOCIATES, P.C. ON OCTOBER 31, 2005.

MAP REFERENCE:
1. BOUNDARY SURVEY, 714 BROADWAY, PREPARED BY C.T. MALE ASSOCIATES, P.C., DATED APRIL 22, 2005, DWG. NO. 05–332.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.
© 2006 C.T. MALE ASSOCIATES P.C.

DESIGNED :
DRAFTED : MMB
CHECKED : L. ROVERS
PROJ. NO: 05.5086
SCALE : 1"=10'
DATE : MAY 8, 2006

CAD DWG. FILE NAME: FINAL SOIL REM MAP.DWG

TANK CLOSURES AND SOIL REMEDIATION LIMITS AND SAMPLING LOCATIONS MAP

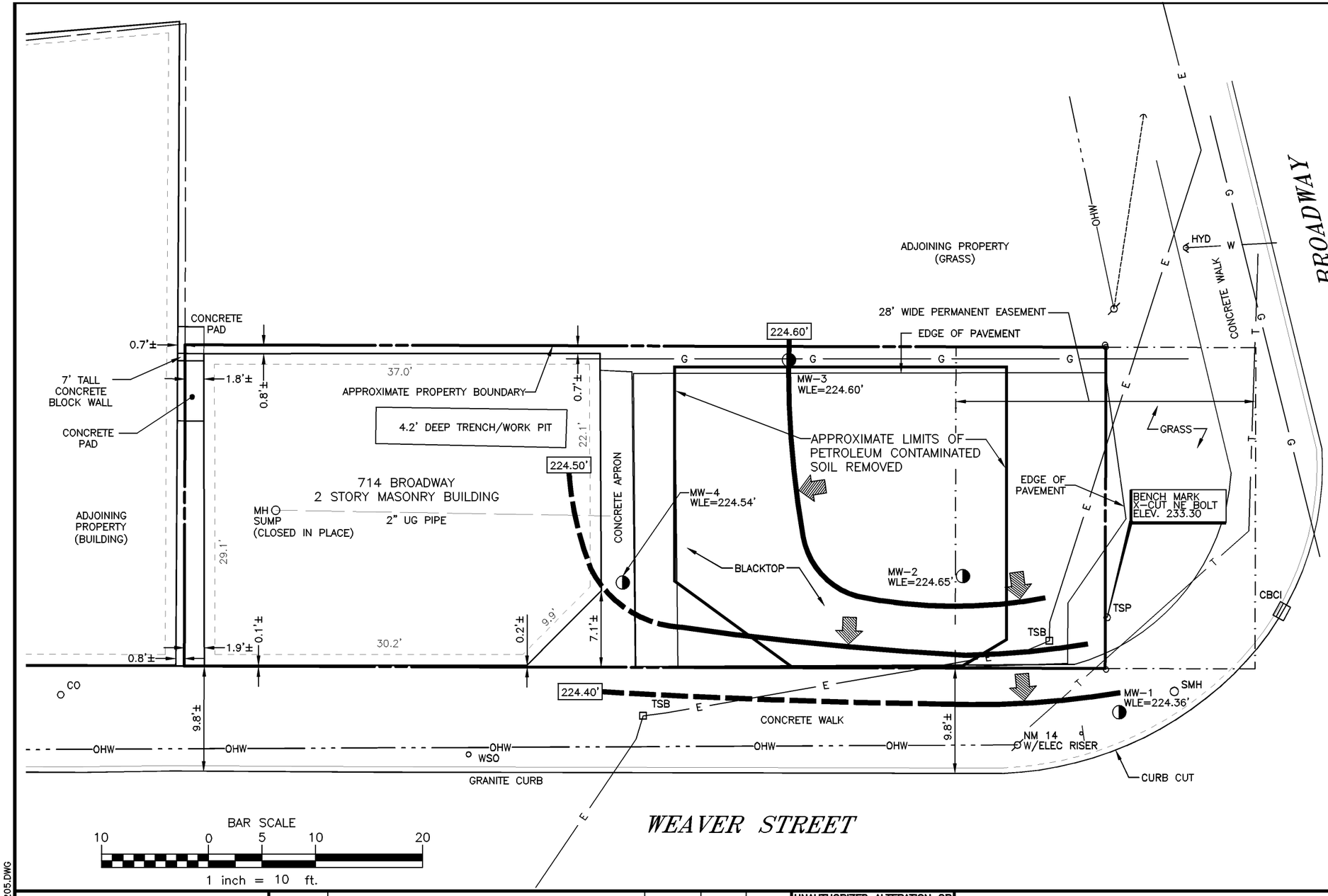
TANK CLOSURES AND SOIL REMEDIATION 714 BROADWAY SITE

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

FIGURE 4
SHEET 1 OF 2
DWG. NO: 05–0850

Figure 5: Groundwater Contour Map For December 22, 2005



LEGEND

MW-1	MONITORING WELL LOCATION AND ID INSTALLED 10/6/05 (TYPICAL)
WLE=224.60'	WATER LEVEL ELEVATION IN FEET ABOVE MEAN SEA LEVEL MEASURED ON DECEMBER 22, 2005
224.60'	GROUNDWATER CONTOUR LINE, DASHED WHERE INFERRED, ARROW DEPICTS INFERRED DIRECTION OF GROUNDWATER FLOW
o	CAPPED IRON ROD FOUND
	UTILITY POLE
	UTILITY POLE WITH LIGHT
E	GUY WIRE
OWH	OVERHEAD WIRES
E	UNDERGROUND ELECTRIC LINE
TSP	TRAFFIC SUPPORT POLE
TSB	TRAFFIC SIGNAL BOX
T	UNDERGROUND TELEPHONE LINE
HYD	HYDRANT
WSO	WATER SHUTOFF
W	UNDERGROUND WATER LINE
G	UNDERGROUND GAS LINE
CBCI	CATCH BASIN (CURB INLET)
SMH	SANITARY MANHOLE
CO	SANITARY CLEANOUT
	SIGN

NOTE:
1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

2. HOWEVER, THE MH SUMP, TRENCH/WORK PIT, EDGE OF PAVEMENT AND MONITORING WELLS WERE SURVEYED BY C.T. MALE ASSOCIATES, P.C. ON OCTOBER 31, 2005.

MAP REFERENCE:
1. BOUNDARY SURVEY, 714 BROADWAY, PREPARED BY C.T. MALE ASSOCIATES, P.C., DATED APRIL 22, 2005, DWG. NO. 05-332.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.
© 2006 C.T. MALE ASSOCIATES P.C.

DESIGNED :
DRAFTED : J. MARX
CHECKED : L. ROVERS
PROJ. NO: 05.5086
SCALE : 1"=10'
DATE : MAY 8, 2006

GROUNDWATER CONTOUR MAP FOR DECEMBER 22, 2005

TANK CLOSURES AND SOIL REMEDIATION 714 BROADWAY SITE

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

FIGURE 5
SHEET 2 OF 2
DWG. NO: 05-0850

CAD DWG. FILE NAME: FINAL GW CONTOUR_122205.DWG

APPENDIX A

PHOTOGRAPHS

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE, CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

PHOTOGRAPH LOG

NUMBER	DESCRIPTION
1.	275 gallon fuel oil AST inside building following cutting / cleaning.
2.	Removing the 1,000 gallon gasoline UST (Tank 004); tank vent pipes shown.
3.	Uncovering one of the gasoline USTs (Tank 005).
4.	One of the 3,000 gallon gasoline USTs (Tank 005) out of the ground.
5.	Inside of cleaned Tank 005.
6	Groundwater entering excavation beneath UST (Tank 001).
7.	Holes observed in bottom of UST (Tank 001).
8.	Inside of cleaned Tank 001.
9.	Pitting and holes visible along the bottom of Tank 002.
10.	Cut stone foundation remains encountered along west side of the excavation.
11.	Area of excavation, looking southeast.
12.	Area of excavation, looking south-southeast.
13.	Area of excavation, looking north.
14.	Area of excavation with southeast corner of site building shown, looking north-northeast.
15.	Looking south-southwest; crusher-run subbase being placed on top of compacted backfill.
16.	Looking south; compaction of crusher-run subbase with plate tamper.

ENVIRONMENTAL RESTORATION PROGRAM
TANK CLOSURES AND REMEDIAL ACTIONS REPORT
714 BROADWAY SITE, CITY OF SCHENECTADY
SCHENECTADY COUNTY, NEW YORK

PHOTOGRAPH LOG

NUMBER	DESCRIPTION

17. Looking east; grading of topsoil in area to the southeast of building.

18. Looking north; area of excavation prior to paving; curb box for MW-2 left of center in photo.

19. Looking west; site conditions following surface restoration.

20. Looking north; site conditions following surface restoration; curb boxes for MW-1 and MW-2 visible.

21. Looking north; site conditions following surface restoration; curb box for MW-3 visible in grass area.

22. Looking east; site conditions following surface restoration; curb box for MW-4 visible in concrete apron.

23. Sump at north end of trench / work pit in floor of building.

24. Cleanout in west wall of trench / workpit in building.

25. Area of hand auger bore hole north of the trench / work pit, in northeast corner of building.

26. Manhole sump in floor of building in north garage bay area, near former fuel oil AST.

27. Cleaned manhole sump in floor in north garage bay of on-site building.

28. Two inch pipe in south side wall of manhole sump filled with insulating sealant foam.

29. Manhole sump filled with concrete.


'98
1


'98
2


3


'98
4

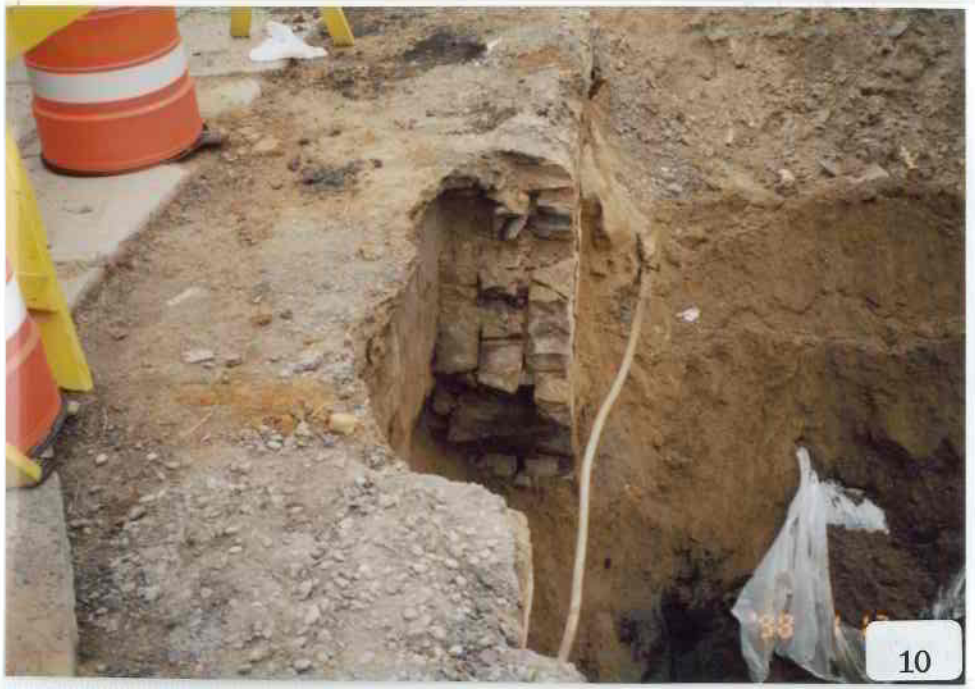

'98
5


6


'98
7


'98
8


9


10


11


12


13


KOBELCO
14


CONSTRUCTION VEHICLE
DO NOT FOLLOW
15


16


17


18


19


20


21


22


23


24







27



28



29

APPENDIX B

TANK CLOSURES, SOIL REMEDIATON AND BUILDING INVESTIGATION FIELD LOGS

B.1 Tank Closures and Soil Remediation Organic Vapor Headspace Analysis Logs

B.2 Field In-Place Density (Compaction) Test Reports For Excavation Backfill

B.3 Building Investigation Organic Vapor Headspace Analysis Logs and Hand Auger Subsurface Exploration Log

B.1 Tank Closures and Soil Remediation Organic Vapor Headspace Analysis Logs

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM	**PROJECT #: 05.5086**	**PAGE 1 of 1**
CLIENT: City of Schenectady		**DATE**
LOCATION: 714 Broadway, Schenectady, NY		**COLLECTED: 9/26/05**
INSTRUMENT USED: MiniRAE 2000	**LAMP 10.6 EV**	**DATE**
DATE INSTRUMENT CALIBRATED: 9/26/05 (Prior to use)	**BY: NF**	**ANAYLZED: 9/26/05**
TEMPERATURE OF SOIL: Ambient		**ANALYST: Nate Freeman**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
Tank 4		6	Soil	0.8	0.0	Floor under removed tank
Tank 4		5	Soil	3.5	0.0	East side wall
Tank 4		5	Soil	5.2	0.0	West side wall
Tank 4		5	Soil	8.4	0.0	North side wall
Overburden		0-4	Soil	25.6	20.0	Composite soil sample of overburden soil above Tanks 4 and 5
Landfill Characterization		9	Soil	1805	16.4	Gasoline odor, heavy stained; composite soil sample from beneath Tank 5.

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM	PROJECT #: 05.5086	PAGE 1 of 1
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 9/27/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 9/27/05 (Prior to use)	BY: NF	ANAYLZED: 9/27/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
Tank 1		2	Soil	0.0	0.0	West end of tank
Tank 1		3	Soil	0.0	0.0	Directly above tank (West end)
Tank 1		3	Soil	0.0	0.0	Directly above tank (East end)
Tank 1		6	Soil	0.2	0.0	North of Tank 1
Tank 1		9	Soil	2159	0.0	Under tank
Tank 2		2	Soil	0.0	0.0	West end of tank (above tank)
Tank 2		2	Soil	0.1	0.0	East end of tank (above tank)
Tank 2		2	Soil	0.0	0.0	West end of tank (above tank)
Tank 2		3	Soil	0.0	0.0	East end of tank (above tank)
Tank 2		6	Soil	0.3	0.0	West end of tank (North side)
Tank 2		6	Soil	0.2	0.0	East end of tank (North side)
Tank 2		9	Soil	96.0	0.0	Under tank

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM - Building Investigation	PROJECT #: 05.5086	PAGE 1 of 1
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 9/28/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 9/28/05 (Prior to use)	BY: NF	ANAYLZED: 9/28/05
TEMPERATURE OF SOIL: Not Applicable		ANALYST: Nate Freeman

EXPLORATION NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
Outside Ambient		Air	0.1	0.0	Outside Ambient
Inside Building	Breathing Zone	Air	0.2	0.1	First floor
Inside Building	Breathing Zone	Air	0.4	0.2	In trench / work pit
Inside Building		Air	0.5	0.2	Sump in trench / work pit
Inside Building		Air	2.8	0.2	Manhole sump in north garage bay area
Inside Building	Breathing Zone	Air	0.4	0.3	Upstairs kitchen
Inside Building	Breathing Zone	Air	0.3	0.3	Upstairs bathroom
Inside Building	Breathing Zone	Air	0.5	0.3	Upstairs room with table
Inside Building	Breathing Zone	Air	0.4	0.3	Upstairs SE corner
Inside Building	Breathing Zone	Air	0.5	0.3	Upstairs SW corner
Inside Building		Air	0.5	0.4	First floor under trench / work pit slab
Inside Building		Air	0.7	0.4	3" floor drain west of trench / work pit
Inside Building		Air	1.2	0.4	First floor shower drain
Inside Building		Air	0.8	0.5	Crack in east wall of trench / work pit
Inside Building		Air	0.9	0.4	1" pipe in trench / work pit west wall
Inside Building		Air	0.8	0.5	4" cleanout pipe in trench / work pit west wall
Inside Building		Air	0.6	0.3	Crack in floor in SW corner of first floor
Inside Building		Air	1.0	0.4	Soil in NE corner by furnace on first floor
Inside Building		Air	0.7	0.3	Floor in NW corner by manhole sump on first floor

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM	PROJECT #: 05.5086	PAGE 1 of 2
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/3/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/3/05 (Prior to use)	BY: NF	ANAYLZED: 10/3/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
UST Grave		7	Soil	1.8	0.0	SW corner
UST Grave		10	Soil	86.0	0.4	SW corner (petroleum odor / heavy staining)
UST Grave		12	Soil	14.7	0.5	SW corner (petroleum odor)
UST Grave		13	Soil	3.4	1.7	Tank 2 floor, SW corner (no odor)
UST Grave		9	Soil	2583	0.9	Tank 2 West wall, SW corner (petroleum odor / heavy staining)
UST Grave		9	Soil	8.6	0.8	SE corner (petroleum odor / staining)
UST Grave		11	Soil	4.4	0.9	SE corner
UST Grave		9	Soil	1776	1.3	South wall-West (petroleum odor / staining)
UST Grave		9	Soil	3.5	1.2	South wall-East
UST Grave		10	Soil	2.1	0.9	South wall-East
Tank 2 Grave		10	Soil	14.0	1.4	East wall (petroleum odor / staining)
Tank 1 Grave		10	Soil	5.6	1.2	East wall
Tank 1 Grave		11	Soil	3.2	1.2	Floor, East
Tank 1 Grave		9	Soil	13.7	0.9	East
Tank 5 Grave		8	Soil	5.6	1.0	East
Tank 5 Grave		11	Soil	2.7	1.2	East
Tank 5 Grave		10	Soil	2263	1.3	East wall (petroleum odor / staining)
Tank 4 Grave		7	Soil	2.4	1.4	
Tank 1 Grave		8	Soil	1544	1.2	Center

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM	PROJECT #: 05.5086	PAGE 2 of 2
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/3/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/3/05 (Prior to use)	BY: NF	ANAYLZED: 10/3/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
Tank 1 Grave		11	Soil	2.2	1.4	Floor - center area
Tank 4 Grave		10	Soil	1.6	0.8	East
Tank 1 Grave		10	Soil	977	1.2	West wall
Tank 5 Grave		10	Soil	2151	1.2	East wall
Tank 5 Grave		11	Soil	122	1.4	East
Tank 4 Grave		9	Soil	4.2	1.3	East wall
UST Grave		10	Soil	3.9	1.5	North wall-East
Tank 1 Grave		12	Soil	250	1.3	West
Tank 1 Grave		13	Soil	3.2	1.3	West

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM	PROJECT #: 05.5086	PAGE 1 of 1
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/4/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/4/05 (Prior to use)	BY: NF	ANAYLZED: 10/4/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
Tank 4 Grave		8	Soil	0.9	0.4	Area of Tank 4
Tank 5 Grave		9	Soil	0.7	0.5	Center
Tank 4 Grave		9	Soil	0.9	0.6	Area of Tank 4
Tank 4 Grave		10	Soil	1.8	1.0	Floor - center area
Tank 5 Grave		9	Soil	2884	1.0	Center
Tank 5 Grave		10	Soil	273	1.4	West wall
Tank 5 Grave		12	Soil	6.7	1.4	Floor - center area
Tank 5 Grave		9	Soil	240	1.5	West wall
UST Grave		8	Soil	1.7	1.0	North wall center
UST Grave		9	Soil	1.9	1.0	North wall center
UST Grave		9	Soil	2.0	1.2	North wall-West

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

B.2 Field In-Place Density (Compaction) Test Reports For Excavation Backfill

C.T. MALE ASSOCIATES, P.C.

FIELD IN-PLACE DENSITY TEST REPORT
Nuclear Method

Project:	714 Broadway IRM	**Report No.:**	1
Client:	City of Schenectady	**Date:**	10/03/05
Contractor:	MC Environmental Services, Inc.	**Job No.:**	05.5086
			Page 1 of 1

Test No.	Probe Depth	*Depth or Elevation	In-Place Density (pcf)	In-Place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	12"	10' BSW	114.5	10.5	90.5	5-031	15' E, 10' N of SW Corner of Excavation
2	12"	8' BSW	115.7	8.6	91.5	5-031	20' E, 10' N of SW Corner of Excavation
3	12"	8' BSW	115.9	8.5	91.6	5-031	12' E, 15' N of SW Corner of Excavation
4	12"	7' BSW	109.4	17.6	86.5	5-031	20' E, 15' N of SW Corner of Excavation
5	12"	7' BSW	109.9	14.1	86.9	5-031	10' E, 15' N of SW Corner of Excavation

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
5-030	135.5	9.0%	Imported gravel, some sand
5-031	126.5	8.5%	Overburden soil over UST's, on-site sand and gravel

Remarks: BSW is below sidewalk elevation.

C.T. Male Site Representative: M. Riordan

C.T. MALE ASSOCIATES, P.C.

FIELD IN-PLACE DENSITY TEST REPORT
Nuclear Method

Project:	714 Broadway IRM	**Report No.:**	2
Client:	City of Schenectady	**Date:**	10/04/05
Contractor:	MC Environmental Services, Inc.	**Job No.:**	05.5086
			Page 1 of 1

Test No.	Probe Depth	*Depth or Elevation	In-Place Density (pcf)	In-Place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10”	7’ below grade	133.7	8.2	100+	5-031	10’ E, 10’ S of NW Corner, Tank 004 Area
2	10”	-7’	122.3	10.0	96.7	5-031	15’ E, 15’ N of SW Corner, Tank 001 Area
3	10”	-6’	131.9	6.9	97.4	5-030	10’ E, 10’ N of SW Corner, Tank 002 Area
4	10”	-6’	132.4	6.7	97.7	5-030	15’ E, 15’ S of NW Corner, Tank 005 Area
5	10”	-5’	128.7	5.8	95.0	5-030	20’ E, 5’ N of SW Corner, Tank 002 Area
6	10”	-5’	130.7	5.3	96.4	5-030	25’ E, 10’ S of NW Corner, Tank 004 Area
7	10”	-4’	131.3	5.5	96.9	5-030	15’ E, 5’ N of SW Corner, Tank 002 Area
8	10”	-4’	129.1	6.4	95.3	5-030	10’ E, 15’ N of SW Corner, Tank 005 Area
9	10”	-3’	129.0	5.2	95.2	5-030	5’ E, 5’ N of SW Corner, Tank 002 Area
10	10”	-3’	129.8	5.2	95.8	5-030	20’ E, 10’ S of NW Corner, Tank 004 Area

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
5-031	126.5	8.5%	Overburden sand and gravel, on-site
5-030	135.5	9.0%	Imported fill

Remarks:

C.T. MALE ASSOCIATES, P.C.

C.T. Male Site Representative: M. Riordan

C.T. MALE ASSOCIATES, P.C.

FIELD IN-PLACE DENSITY TEST REPORT
Nuclear Method

Project:	714 Broadway IRM	**Report No.:**	3
Client:	City of Schenectady	**Date:**	10/05/05
Contractor:	MC Environmental Services, Inc.	**Job No.:**	05.5086

Test No.	Probe Depth	*Depth or Elevation	In-Place Density (pcf)	In-Place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	10”	3’ BFG	126.1	6.7	93.1	Imported	8’ Off East Side/8’ Off South Side
2	4”	3’ BFG	121.2	6.2	89.4	Imported	8’ Off East Side/8’ Off South Side
3	6”	3’ BFG	128.9	4.5	95.2	Imported	8’ Off East Side/8’ Off South Side
4	10”	3’ BFG	128.2	6.3	94.6	Imported	6’ Off East Side/8’ Off North Side
5	6”	3’ BFG	129.7	6.1	95.7	Imported	10’ Off West Side/8’ Off North Side
6	6”	2’ BFG	130.5	7.0	96.3	Imported	6’ Off West Side/12’ Off North Side
7	10”	2’ BFG	129.6	6.1	95.6	Imported	10’ Off West Side/8’ Off North Side
8	6”	1’ BFG	133.6	4.7	98.6	Imported	10’ Off West Side/8’ Off North Side
9	10”	1’ BFG	132.6	5.9	97.9	Imported	10’ Off West Side/10’ Off South Side

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
5-030	135.5	9.0%	Imported Sand and Gravel (W.M. Larned)

Remarks: BFG is below finished grade.

Representative:

C.T. MALE ASSOCIATES, P.C.

FIELD IN-PLACE DENSITY TEST REPORT
Nuclear Method

Project:	714 Broadway IRM	**Report No.:**	4
Client:	City of Schenectady	**Date:**	10/10/05
Contractor:	MC Environmental Services, Inc.	**Job No.:**	05.5086
			Page 1 of 1

Test No.	Probe Depth	*Depth or Elevation	In-Place Density (pcf)	In-Place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	4”	RG	126.8	3.2	90.9*	5-032	NW Corner of Backfilled Excavation
2	4”	FG	120.8	3.1	86.6*	5-032	NE Corner of Backfilled Excavation
3	4”	FG	123.6	3.2	88.6*	5-032	Middle of Backfilled Excavation
4	4”	FG	125.3	3.1	89.8*	5-032	Middle of Backfilled Excavation
5	4”	FG	126.4	4.0	90.6*	5-032	SW Corner of Backfilled Excavation
6	4”	FG	125.6	4.2	90.0*	5-032	SE Corner of Backfilled Excavation

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
5-032	139.5	4.5%	Crusher run

Remarks: * Failed to reach 95% needed.

FG is finished grade.

C.T. Male Site M. Riordan

Representative:

C.T. MALE ASSOCIATES, P.C.

FIELD IN-PLACE DENSITY TEST REPORT
Nuclear Method

Project:	714 Broadway IRM	**Report No.:**	5
Client:	City of Schenectady	**Date:**	10/11/05
Contractor:	MC Environmental Services, Inc.	**Job No.:**	05.5086
			Page 1 of 1

Test No.	Probe Depth	*Depth or Elevation	In-Place Density (pcf)	In-Place Moisture (%)	% Compaction	Proctor Code	Location and Remarks
1	4”	FG	134.9	3.1	96.7	5-032	NW Corner Retest #1, 10/10/05
2	4”	FG	135.5	3.5	97.1	5-032	NE Corner Retest #2, 10/10/05
3	4”	FG	133.6	3.1	95.8	5-032	Middle Retest #3, 10/10/05
4	4”	FG	134.3	3.6	96.3	5-032	Middle Retest #4, 10/10/05
5	4”	FG	133.9	3.2	96.0	5-032	SW Corner Retest #5, 10/10/05
6	4”	FG	135.0	3.3	96.8	5-032	SE Corner Retest #6, 10/10/05

Proctor Code	Maximum Density (pcf)	Optimum Moisture (%)	Material Type and Source
5-032	139.5	4.5%	Crusher run

Remarks: MC Environmental Services, Inc. recompacted entire area. All tests achieved 95% compaction needed.

FG is finished grade.

C.T. Male Site M. Riordan

Representative:

B.3 Building Investigation Organic Vapor Headspace Analysis Logs and Hand Auger Subsurface Exploration Log

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM - Building Investigation	PROJECT #: 05.5086	PAGE 1 of 1
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/5/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/5/05 (Prior to use)	BY: NF	ANAYLZED: 10/5/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
HA-1, North of Trench / Work Pit		1	Soil	0.6	0.6	No odor / No Staining
HA-1, North of Trench / Work Pit		2	Soil	0.7	0.6	No odor / No Staining
HA-1, North of Trench / Work Pit		3	Soil	0.7	0.6	No odor / No Staining
HA-1, North of Trench / Work Pit		4	Soil	1.6	0.6	No odor / No Staining
HA-1, North of Trench / Work Pit		5	Soil	1.0	0.7	No odor / No Staining
HA-1, North of Trench / Work Pit		6	Soil	1.1	0.7	No odor / No Staining
HA-1, North of Trench / Work Pit		7	Soil	1.5	1.0	No odor / No Staining
HA-2, Trench / Work Pit Sump		1	Soil	0.3	0.2	No odor / No Staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM - Building Investigation	**PROJECT #: 05.5086**	**PAGE 1 0F 1**
CLIENT: City of Schenectady		**DATE**
LOCATION: 714 Broadway, Schenectady, NY		**COLLECTED: 10/10/05**
INSTRUMENT USED: MiniRAE 2000	**LAMP 10.6 EV**	**DATE**
DATE INSTRUMENT CALIBRATED: 10/10/05 (Prior to use)	**BY: MD**	**ANAYLZED: 10/10/05**
TEMPERATURE OF SOIL: Ambient		**ANALYST: Megan Drosky**

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
HA-2, Trench / Work Pit Sump	North Wall of Sump	0.3	Soil	0.0	0.0	0-3" in from north side wall
HA-2, Trench / Work Pit Sump	North Wall of Sump	1.0	Soil	0.0	0.0	0-3" in from north side wall
HA-2, Trench / Work Pit Sump	East Wall of Sump	0.3	Soil	0.0	0.0	3-6" in from east side wall
HA-2, Trench / Work Pit Sump	East Wall of Sump	1.0	Soil	0.0	0.0	3-6" in from east side wall
HA-2, Trench / Work Pit Sump	South Wall of Sump	1.0	Soil	0.0	0.0	3-6" in from south side wall

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

C.T. MALE ASSOCIATES, P.C.

SUBSURFACE EXPLORATION LOG

BORING NO.: HA-1 (North of Trench/Work Pit)
ELEV.: DATUM:
START DATE: 10/5/05 FINISH DATE: 10/5/05
SHEET 1 OF 1

PROJECT: 714 Broadway IRM - Building Investigation
CTM PROJECT NO.: 05.5086
LOCATION: 714 Broadway, Schenectady, NY
CTM OBSERVER: Nate Freeman

DEPTH (FT.)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
4				Brown fine to coarse SAND and GRAVEL (Loose) 4'	
				Brown SILT and fine to medium SAND (Moist) 5'	
				Brown fine to coarse SAND 7'	Wet at ± 6'
8				End of Boring @ 7'	
12					
16					
20					
24					
28					

DRILLING CONTRACTOR: C.T. Male Associates, P.C.
METHOD OF SAMPLING: Hand Auger

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: NF

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

APPENDIX C

SOIL SAMPLING LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORDS

C.1 Overburden Soil Sample
C.2 Post-Excavation Confirmatory Soil Samples
C.3 Groundwater Investigation Soil Sample
C.4 Waste Characterization Soil Sample

C.1 Overburden Soil Sample

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

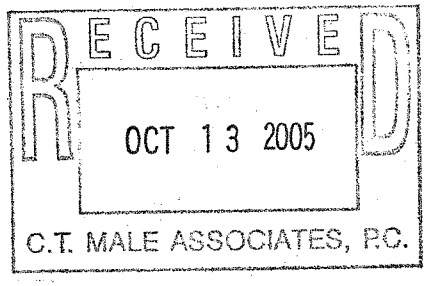
COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T4907

CustomerName: C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T4907-01	OVERBURDEN(SOILAB



I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Releas of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature

Signature: _____ Name: _____

Date: 10/7/05 Title: _____

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T4907

COC Number 053157

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates
ADDRESS: 50 Century Hill Dr
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 786 7400 FAX: 786 7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway Schenectady, NY
PROJECT NO.: 05.5086 LOCATION: Schenectady
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 786 7400 FAX: 786 7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Normal DAYS *
HARD COPY: DAYS *
EDD: DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☒ New York State ASP "A"
- ☐ Other

ANALYSIS

Stars 8260 MTBE
Stars 8270 B/N SVOC

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Overburden (Soil above UST's)	Soil	X		9/26/05	1610	2	X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
Matt Thom	9/26/05 1830	1. Fed ex 7066 5110 4713
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
N		2.
RELINQUISHED BY:	DATE/TIME: 9:20	RECEIVED FOR LAB BY:
Fed-ex	9-27-05	3. D. Tenison

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant Cooler Temp: 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

QA REVIEW GENERAL DOCUMENTATION

Project #: T4907

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	√
Check chain-of-custody for proper relinquish/return of samples	√
Is the chain of custody signed and complete	√
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	√
Collect information for each project id from server. Were all requirements followed	√
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	√
Do lab numbers and client Ids on cover page agree with the Chain of Custody	√
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	√
Do requested analyses on Chain of Custody agree with the log-in page	√
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	√
Were the samples received within hold time	√
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	√

Non – Conformance /Comments:

1st Level QA Review Signature: Carole Collins Date: 10/7/05

2nd Level QA Review Signature: Deepa Shivaj Date: 10/7/05

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T4907

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 9/27/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for 8260 Stars List Volatiles soil.

C. Analytical Techniques:
The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries did not meet criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: _____ Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T4907 MATRIX: Solid

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8260 and CLP.			✓
b.	System Performance Check Compounds for 8260 and CLP			✓

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
Vinyl chloride		

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments:

10. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

The RPD recoveries did not meet criteria.

Carole Collins
QA REVIEW

10/7/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	OVERBURDEN(SOILABOVEUST)	**SDG No.:**	T4907
Lab Sample ID:	T4907-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	12
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100306.D	1	10/3/2005	VK092905

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.42	U	5.7	0.42	ug/Kg
71-43-2	Benzene	0.45	U	5.7	0.45	ug/Kg
108-88-3	Toluene	0.46	U	5.7	0.46	ug/Kg
100-41-4	Ethyl Benzene	0.40	U	5.7	0.40	ug/Kg
126777-61-2	m/p-Xylenes	0.98	U	5.7	0.98	ug/Kg
95-47-6	o-Xylene	0.43	U	5.7	0.43	ug/Kg
98-82-8	Isopropylbenzene	0.47	U	5.7	0.47	ug/Kg
103-65-1	N-propylbenzene	0.61	U	5.7	0.61	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.56	U	5.7	0.56	ug/Kg
98-06-6	tert-Butylbenzene	0.81	U	5.7	0.81	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.43	U	5.7	0.43	ug/Kg
135-98-8	Sec-butylbenzene	0.47	U	5.7	0.47	ug/Kg
99-87-6	p-Isopropyltoluene	0.48	U	5.7	0.48	ug/Kg
104-51-8	n-Butylbenzene	0.38	U	5.7	0.38	ug/Kg
91-20-3	Naphthalene	0.66	U	5.7	0.66	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.31	115 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.51	105 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	51.81	104 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.65	103 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120290	4.15			
540-36-3	1,4-Difluorobenzene	206049	4.60			
3114-55-4	Chlorobenzene-d5	244648	7.48			
3855-82-1	1,4-Dichlorobenzene-d4	145529	9.53			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4907	Order Date:	9/27/2005 12:07:14 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	L11

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4907-01	**OVERBURDEN(SOILABOVEUST)**	**SOIL**			**09/26/05**			**09/27/05**
			VOC-STARS	8260			10/03/05	

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T4907

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 9/27/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for Stars List Semi Volatiles.

C. Analytical Techniques:
The samples were analyzed on instrument BNA B using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements except for T4911-02MS and T4911-02MSD.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Indeno(1,2,3-cd)pyrene and Benzo(k)fluoranthene.
The MSD recoveries met the acceptable requirements except for Indeno(1,2,3-cd)pyrene.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: _____ Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T4907 MATRIX: Solid

METHOD: 8270

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8270 and CLP.			✓
b.	System Performance Check Compounds for 8270 and CLP			✓

8270 CALIBRATION CRITERIA

SPCC Compounds	MINRF	CCC Compounds	
		Base/Neutral Fraction	Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

   The MS recoveries met the requirements for all compounds except for Indeno(1,2,3-cd)pyrene and Benzo(k)fluoranthene. The MSD recoveries met the acceptable requirements except for Indeno(1,2,3-cd)pyrene.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments: The Internal Standards Areas met the acceptable requirements except for T4911-02MS and T4911-02MSD.

10. Extraction Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

11. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Carole Collins
QA REVIEW

10/7/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	OVERBURDEN(SOILABOVEUST)	**SDG No.:**	T4907
Lab Sample ID:	T4907-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	12
Sample Wt/Vol:	15.2 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026476.D	1	9/28/2005	10/1/2005	BB090905

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	63	U	370	63	ug/Kg
83-32-9	Acenaphthene	66	U	370	66	ug/Kg
86-73-7	Fluorene	63	U	370	63	ug/Kg
85-01-8	Phenanthrene	300	J	370	59	ug/Kg
120-12-7	Anthracene	71	J	370	56	ug/Kg
206-44-0	Fluoranthene	380		370	55	ug/Kg
129-00-0	Pyrene	300	J	370	66	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	370	52	ug/Kg
218-01-9	Chrysene	140	J	370	67	ug/Kg
205-99-2	Benzo(b)fluoranthene	320	J	370	41	ug/Kg
207-08-9	Benzo(k)fluoranthene	82	U	370	82	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	370	59	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47	U	370	47	ug/Kg
53-70-3	Dibenz(a,h)anthracene	47	U	370	47	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	U	370	61	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	145.89	73 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	126.92	63 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	130.02	65 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105693	6.38			
1146-65-2	Naphthalene-d8	453898	8.67			
15067-26-2	Acenaphthene-d10	270909	12.11			
1517-22-2	Phenanthrene-d10	394441	15.08			
1719-03-5	Chrysene-d12	262966	20.42			
1520-96-3	Perylene-d12	164276	23.59			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Hit Summary Report

SDG No.: T4907 **Order ID:** T4907

Client: C.T. Male & Associates **Project ID:** 714 Broadway, city of Schenectady

Test: SVOC-STARS

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	OVERBURDEN(SOILABOVEUST)							
T4907-01	OVERBURDEN(SOI	SOIL	Phenanthrene	300	J	370	59	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Anthracene	71	J	370	56	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Fluoranthene	380		370	55	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Pyrene	300	J	370	66	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Benzo(a)anthracene	140	J	370	52	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Chrysene	140	J	370	67	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Benzo(b)fluoranthene	320	J	370	41	ug/Kg
T4907-01	OVERBURDEN(SOI	SOIL	Benzo(a)pyrene	130	J	370	59	ug/Kg

Total SVOC's:	1781.00
Total TIC's:	0.00
Total SVOC's and TIC's:	1781.00

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

Lab Chronicle

Order ID:	T4907	Order Date:	9/27/2005 12:07:14 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	L11

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4907-01	**OVERBURDEN(SOILABOVEUST)**	**SOIL**			**09/26/05**			**09/27/05**
			SVOC-STARS	8270		09/28/05	10/01/05	

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

END OF ANALYTICAL RESULTS

C.2 Post-Excavation Confirmatory Soil Samples

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

RECEIVED
OCT 24 2005
C.T. MALE ASSOCIATES, P.C.

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T5025 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5025-01	TANK2FLOOR
T5025-02	TANK2WESTWALL
T5025-03	TANK2EASTWALL
T5025-04	SOUTHWALL(WEST)
T5025-05	FD01
T5025-06	SOUTHWALL(EAST)
T5025-07	SOUTHWALL(EAST)MS
T5025-08	SOUTHWALL(EAST)MS
T5025-10	TANK1FLOOR
T5025-11	TANK1WESTWALL
T5025-12	TANK5EASTWALL
T5025-13	TANK4EASTWALL
T5025-14	NORTHWALL(EAST)

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Releas of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Kunpa Buscy

Date: 10/27/05 Title: Office

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5025

COC Number 053106

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 518 786 7400 FAX: 518 786 7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway
PROJECT NO.: 05.5086 LOCATION: S. Lansing, NY
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 786 7400 FAX: 786 7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Normal DAYS *
HARD COPY: DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☒ New York State ASP "A"
- ☐ Other

ANALYSIS

STARS 8260 + MTBE
STARS 8270 BN Semi

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 1	Tank # 2 Floor	So,l		X	10/3/05	935	2	X	X								
2. 2	Tank # 2 West Wall	So,l		X	10/3/05	940	2	X	X								
3. 3	Tank #2 East Wall	So,l		X	10/3/05	1155	2	X	X								
4. 4	South Wall (West)	So,l		X	10/3/05	1140	2	X	X								
5. 5	NF 10/3/05 DUP. FD01	So,l		X	10/3/05	1200	2	X	X								
6. 6, 7, 8	South Wall (East) + MS MSD	So,l		X	10/3/05	1150	2	X	X								
7. 9	Tank #1 East Wall	So,l		X	10/3/05	1200	2	X	X								(Hold Sample)
8. 10	Tank #1 Floor	So,l		X	10/3/05	1505	2	X	X								
9. 11	Tank #1 West Wall	So,l		X	10/3/05	1508	2	X	X								
10. 12	NF 10/3/05 Tank #1 Tank #5 East Wall	So,l		X	10/3/05	1512	X	X	X								

← Specify Preservatives
A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/3/05 1750	1. Fed ex # 746651104974
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:25	RECEIVED FOR LAB BY:
3. FED-EX	10-4-05	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 6°C
Ice in Cooler?: Yes

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5025

COC Number 053105

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates

ADDRESS: 50 Century Hill Dr.

CITY: Latham STATE: NY ZIP: 12110

ATTENTION: Liz Rovers

PHONE: 786 7400 FAX: 786 7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 LOCATION: Schenectady, NY

PROJECT MANAGER: Liz Rovers

e-mail: L.Rovers@ctmale.com

PHONE: 786 7400 FAX: 786 7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:

ADDRESS: Same

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Normal DAYS *

HARD COPY: DAYS *

EDD: 10 DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☒ New York State ASP "A"
- ☐ Other

ANALYSIS

STARS 8260 HYTBE V
STARS 8270 BN ; 5006

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	PRESERVATIVES 2	PRESERVATIVES 3	PRESERVATIVES 4	PRESERVATIVES 5	PRESERVATIVES 6	PRESERVATIVES 7	PRESERVATIVES 8	PRESERVATIVES 9	COMMENTS
								E	E	1	2	3	4	5	6	7	← Specify Preservatives A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other
1. 13	Tank #4 East Well	Soil		X	10/3/05	1515	2	X	X								
2. 14	North Wall (East)	Soil		X	10/3/05	1530	2	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME:	RECEIVED BY:
RELINQUISHED BY SAMPLER: 1.	10/3/05 1750	1. Fed ex # 746651104974
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:25	RECEIVED FOR LAB BY:
3. Fed ex	10-4-05	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant

Cooler Temp. 6°C

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

Ice in Cooler?: Yes

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Carole Collins
From: Kurt Hummler
Sent: Thursday, October 20, 2005 10:38 AM
To: Carole Collins
Cc: Krupa Dubey
Subject: FW: 714 Broadway

-----Original Message-----
From: Liz Rovers [mailto:l.rovers@ctmale.com]
Sent: Thursday, October 20, 2005 11:37 AM
To: Kurt Hummler
Subject: Re: 714 Broadway

Kurt,
We will not be analyzing that sample. So you do not need to save it. Thanks.
Liz

----- Original Message -----
From: Kurt Hummler
To: Liz Rovers
Sent: Thursday, October 20, 2005 11:15 AM
Subject: 714 Broadway

Good morning Liz,

Did you still want to hold sample TANK1EASTWALL?

Kurt

Kurt Hummler

284 Sheffield Street
Mountainside, NJ 07092
Phone: (908) 789 8900
Fax: (908) 789 8922
www.chemtech.net

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

QA REVIEW GENERAL DOCUMENTATION

Project #: T3025

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓

Non – Conformance /Comments:

1st Level QA Review Signature: Carole Collins Date: 10/20/05

2nd Level QA Review Signature: Tanya Nisley Date: 10/20/05

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T5025

A. Number of Samples and Date of Receipt:
14 Solid samples were received on 10/4/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for 8260 Stars List Volatiles soil.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA I were done using GC column RTXVMS, which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements except for FD01, TANK5EASTWALL and SOUTHWALL(WEST).
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements except for Benzene.
The RPD recoveries met criteria except for Naphthalene.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.
Samples TANK5EASTWAL were diluted due to high concentrations.
Samples TANK2WESTWALL and TANK1WEST WALL were diluted due to bad matrix.

E. Additional Comment:
All samples were analyzed on Oct 10 after 9:35am (out of holding time) and T5025-08MSD was analyzed on Oct 12. Samples T5025-02,04,05,11 and 12 were analyzed as MEOH (instr.I and H) due to the bad matrix.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: 11/9/05 Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5025 MATRIX: Solid

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8260 and CLP.			✓
b.	System Performance Check Compounds for 8260 and CLP			✓

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
Vinyl chloride		

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

   The MS recoveries met the requirements for all compounds. The MSD recoveries met the acceptable requirements except for Benzene.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments: The Internal Standards Areas met the acceptable requirements except for FD01, TANK5EASTWALL and SOUTHWALL(WEST).

10. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:
    See additional comment.

ADDITIONAL COMMENTS:

All samples were analyzed on Oct 10 after 9:35am (out of holding time) and T5025-08MSD was analyzed on Oct 12.

Samples T5025-02,04,05,11 and 12 were analyzed as MEOH (instr.I and H) due to the bad matrix.

Carole Collins
QA REVIEW

10/21/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2FLOOR	**SDG No.:**	T5025
Lab Sample ID:	T5025-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	23
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101027.D	1	10/11/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.48	U	6.5	0.48	ug/Kg
71-43-2	Benzene	0.52	U	6.5	0.52	ug/Kg
108-88-3	Toluene	0.52	U	6.5	0.52	ug/Kg
100-41-4	Ethyl Benzene	0.46	U	6.5	0.46	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.5	1.1	ug/Kg
95-47-6	o-Xylene	0.50	U	6.5	0.50	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	6.5	0.54	ug/Kg
103-65-1	N-propylbenzene	0.69	U	6.5	0.69	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.64	U	6.5	0.64	ug/Kg
98-06-6	tert-Butylbenzene	0.93	U	6.5	0.93	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.49	U	6.5	0.49	ug/Kg
135-98-8	Sec-butylbenzene	0.54	U	6.5	0.54	ug/Kg
99-87-6	p-Isopropyltoluene	0.55	U	6.5	0.55	ug/Kg
104-51-8	n-Butylbenzene	0.44	U	6.5	0.44	ug/Kg
91-20-3	Naphthalene	0.76	U	6.5	0.76	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.54	101 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	49.64	99 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	51.08	102 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	48.06	96 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358844	4.16			
540-36-3	1,4-Difluorobenzene	662566	4.61			
3114-55-4	Chlorobenzene-d5	625734	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	306791	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2WESTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	15
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100926.D	2	10/10/2005	VH100605

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	110	U	1500	110	ug/Kg
71-43-2	Benzene	71	U	1500	71	ug/Kg
108-88-3	Toluene	110	U	1500	110	ug/Kg
100-41-4	Ethyl Benzene	120	U	1500	120	ug/Kg
126777-61-2	m&p-Xylenes	280	U	2900	280	ug/Kg
95-47-6	o-Xylene	110	U	1500	110	ug/Kg
98-82-8	Isopropylbenzene	98	U	1500	98	ug/Kg
103-65-1	n-propylbenzene	2800		1500	110	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	110	U	1500	110	ug/Kg
98-06-6	tert-Butylbenzene	110	U	1500	110	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	110	U	1500	110	ug/Kg
135-98-8	Sec-butylbenzene	2200		1500	130	ug/Kg
99-87-6	p-Isopropyltoluene	110	U	1500	110	ug/Kg
104-51-8	n-Butylbenzene	4200		1500	140	ug/Kg
91-20-3	Naphthalene	140	U	1500	140	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	110.64	111 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	97.4	97 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	98.26	98 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	122.66	123 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148220	5.64			
540-36-3	1,4-Difluorobenzene	277926	6.26			
3114-55-4	Chlorobenzene-d5	232904	10.02			
3855-82-1	1,4-Dichlorobenzene-d4	96338	12.44			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

[redacted] 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-03	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	13
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101022.D	1	10/10/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.42	U	5.7	0.42	ug/Kg
71-43-2	Benzene	0.46	U	5.7	0.46	ug/Kg
108-88-3	Toluene	0.47	U	5.7	0.47	ug/Kg
100-41-4	Ethyl Benzene	0.41	U	5.7	0.41	ug/Kg
126777-61-2	m/p-Xylenes	0.99	U	5.7	0.99	ug/Kg
95-47-6	o-Xylene	0.44	U	5.7	0.44	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.7	0.48	ug/Kg
103-65-1	N-propylbenzene	0.62	U	5.7	0.62	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.57	U	5.7	0.57	ug/Kg
98-06-6	tert-Butylbenzene	0.82	U	5.7	0.82	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.7	0.44	ug/Kg
135-98-8	Sec-butylbenzene	0.48	U	5.7	0.48	ug/Kg
99-87-6	p-Isopropyltoluene	0.49	U	5.7	0.49	ug/Kg
104-51-8	n-Butylbenzene	0.39	U	5.7	0.39	ug/Kg
91-20-3	Naphthalene	0.67	U	5.7	0.67	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.22	116 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.38	105 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	48.24	96 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	48.74	97 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	440133	4.16			
540-36-3	1,4-Difluorobenzene	838948	4.61			
3114-55-4	Chlorobenzene-d5	829241	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	418103	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	SOUTHWALL(WEST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-04	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	17
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI100648.D	1	10/7/2005	VI100405

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	54	U	750	54	ug/Kg
71-43-2	Benzene	36	U	750	36	ug/Kg
108-88-3	Toluene	58	U	750	58	ug/Kg
100-41-4	Ethyl Benzene	61	U	750	61	ug/Kg
126777-61-2	m&p-Xylenes	150	U	1500	150	ug/Kg
95-47-6	o-Xylene	55	U	750	55	ug/Kg
98-82-8	Isopropylbenzene	50	U	750	50	ug/Kg
103-65-1	n-propylbenzene	5800		750	57	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	55	U	750	55	ug/Kg
98-06-6	tert-Butylbenzene	55	U	750	55	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	12000		750	56	ug/Kg
135-98-8	Sec-butylbenzene	1800		750	64	ug/Kg
99-87-6	p-Isopropyltoluene	55	U	750	55	ug/Kg
104-51-8	n-Butylbenzene	4300		750	71	ug/Kg
91-20-3	Naphthalene	70	U	750	70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	37.62	75 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	39.49	79 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	44.97	90 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	68.99	138 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207118	3.84			
540-36-3	1,4-Difluorobenzene	467236	4.29			
3114-55-4	Chlorobenzene-d5	312052	7.36			
3855-82-1	1,4-Dichlorobenzene-d4	132245	9.65			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	FD01	**SDG No.:**	T5025
Lab Sample ID:	T5025-05	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	15
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI100649.D	1	10/7/2005	VI100405

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	53	U	740	53	ug/Kg
71-43-2	Benzene	35	U	740	35	ug/Kg
108-88-3	Toluene	57	U	740	57	ug/Kg
100-41-4	Ethyl Benzene	60	U	740	60	ug/Kg
126777-61-2	m&p-Xylenes	140	U	1500	140	ug/Kg
95-47-6	o-Xylene	54	U	740	54	ug/Kg
98-82-8	Isopropylbenzene	49	U	740	49	ug/Kg
103-65-1	n-propylbenzene	4400		740	55	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	54	U	740	54	ug/Kg
98-06-6	tert-Butylbenzene	53	U	740	53	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	8000		740	54	ug/Kg
135-98-8	Sec-butylbenzene	1400		740	63	ug/Kg
99-87-6	p-Isopropyltoluene	53	U	740	53	ug/Kg
104-51-8	n-Butylbenzene	3300		740	69	ug/Kg
91-20-3	Naphthalene	69	U	740	69	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.26	71 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	37.51	75 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	42.09	84 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	78.37	157 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230268	3.85			
540-36-3	1,4-Difluorobenzene	524163	4.30			
3114-55-4	Chlorobenzene-d5	338291	7.36			
3855-82-1	1,4-Dichlorobenzene-d4	133113	9.66			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	SOUTHWALL(EAST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-06	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	13
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101029.D	1	10/11/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.42	U	5.7	0.42	ug/Kg
71-43-2	Benzene	0.46	U	5.7	0.46	ug/Kg
108-88-3	Toluene	0.47	U	5.7	0.47	ug/Kg
100-41-4	Ethyl Benzene	0.41	U	5.7	0.41	ug/Kg
126777-61-2	m/p-Xylenes	0.99	U	5.7	0.99	ug/Kg
95-47-6	o-Xylene	0.44	U	5.7	0.44	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	5.7	0.48	ug/Kg
103-65-1	N-propylbenzene	0.62	U	5.7	0.62	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.57	U	5.7	0.57	ug/Kg
98-06-6	tert-Butylbenzene	0.82	U	5.7	0.82	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.7	0.44	ug/Kg
135-98-8	Sec-butylbenzene	0.48	U	5.7	0.48	ug/Kg
99-87-6	p-Isopropyltoluene	0.49	U	5.7	0.49	ug/Kg
104-51-8	n-Butylbenzene	0.39	U	5.7	0.39	ug/Kg
91-20-3	Naphthalene	0.67	U	5.7	0.67	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.62	115 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50.14	100 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.53	101 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	49.91	100 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	380054	4.17			
540-36-3	1,4-Difluorobenzene	731885	4.61			
3114-55-4	Chlorobenzene-d5	699496	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	343262	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK1FLOOR	**SDG No.:**	T5025
Lab Sample ID:	T5025-10	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	24
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101023.D	1	10/10/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.48	U	6.6	0.48	ug/Kg
71-43-2	Benzene	0.52	U	6.6	0.52	ug/Kg
108-88-3	Toluene	0.53	U	6.6	0.53	ug/Kg
100-41-4	Ethyl Benzene	0.47	U	6.6	0.47	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.6	1.1	ug/Kg
95-47-6	o-Xylene	0.51	U	6.6	0.51	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	6.6	0.55	ug/Kg
103-65-1	N-propylbenzene	0.71	U	6.6	0.71	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.65	U	6.6	0.65	ug/Kg
98-06-6	tert-Butylbenzene	0.94	U	6.6	0.94	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.50	U	6.6	0.50	ug/Kg
135-98-8	Sec-butylbenzene	0.55	U	6.6	0.55	ug/Kg
99-87-6	p-Isopropyltoluene	0.56	U	6.6	0.56	ug/Kg
104-51-8	n-Butylbenzene	0.44	U	6.6	0.44	ug/Kg
91-20-3	Naphthalene	0.77	U	6.6	0.77	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.73	83 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	46.74	93 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	47.91	96 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	42.71	85 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	344360	4.16			
540-36-3	1,4-Difluorobenzene	629635	4.61			
3114-55-4	Chlorobenzene-d5	565103	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	268708	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK1WESTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-11	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	20
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100924.D	2	10/10/2005	VH100605

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	110	U	1600	110	ug/Kg
71-43-2	Benzene	75	U	1600	75	ug/Kg
108-88-3	Toluene	120	U	1600	120	ug/Kg
100-41-4	Ethyl Benzene	130	U	1600	130	ug/Kg
126777-61-2	m&p-Xylenes	300	U	3100	300	ug/Kg
95-47-6	o-Xylene	110	U	1600	110	ug/Kg
98-82-8	Isopropylbenzene	100	U	1600	100	ug/Kg
103-65-1	n-propylbenzene	120	U	1600	120	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	120	U	1600	120	ug/Kg
98-06-6	tert-Butylbenzene	110	U	1600	110	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	120	U	1600	120	ug/Kg
135-98-8	Sec-butylbenzene	130	U	1600	130	ug/Kg
99-87-6	p-Isopropyltoluene	110	U	1600	110	ug/Kg
104-51-8	n-Butylbenzene	150	U	1600	150	ug/Kg
91-20-3	Naphthalene	150	U	1600	150	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	108.6	109 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	96.36	96 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	99.32	99 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	111.6	112 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151279	5.63			
540-36-3	1,4-Difluorobenzene	273686	6.27			
3114-55-4	Chlorobenzene-d5	252685	10.01			
3855-82-1	1,4-Dichlorobenzene-d4	103903	12.43			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK5EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-12	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	14
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI100651.D	1	10/7/2005	VI100405

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	52	U	730	52	ug/Kg
71-43-2	Benzene	35	U	730	35	ug/Kg
108-88-3	Toluene	56	U	730	56	ug/Kg
100-41-4	Ethyl Benzene	1600		730	59	ug/Kg
126777-61-2	m&p-Xylenes	19000		1500	140	ug/Kg
95-47-6	o-Xylene	1000		730	53	ug/Kg
98-82-8	Isopropylbenzene	1500		730	48	ug/Kg
103-65-1	n-propylbenzene	9100		730	55	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	15000		730	53	ug/Kg
98-06-6	tert-Butylbenzene	53	U	730	53	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	35000	E	730	54	ug/Kg
135-98-8	Sec-butylbenzene	1900		730	62	ug/Kg
99-87-6	p-Isopropyltoluene	1500		730	53	ug/Kg
104-51-8	n-Butylbenzene	8100		730	68	ug/Kg
91-20-3	Naphthalene	2800		730	68	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.77	60 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	37.95	76 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	43.67	87 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	35.57	71 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250952	3.84			
540-36-3	1,4-Difluorobenzene	543617	4.29			
3114-55-4	Chlorobenzene-d5	374016	7.36			
3855-82-1	1,4-Dichlorobenzene-d4	143288	9.65			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK5EASTWALLDL	**SDG No.:**	T5025
Lab Sample ID:	T5025-12DL	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	14
Sample Wt/Wol:	4.0 Units: g	**Soil Extract Vol:**	10000 uL
Soil Aliquot Vol:	100 uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH100925.D	2	10/10/2005	VH100605

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	100	UD	1500	100	ug/Kg
71-43-2	Benzene	70	UD	1500	70	ug/Kg
108-88-3	Toluene	110	UD	1500	110	ug/Kg
100-41-4	Ethyl Benzene	1700	D	1500	120	ug/Kg
126777-61-2	m&p-Xylenes	6900	D	2900	280	ug/Kg
95-47-6	o-Xylene	1100	JD	1500	110	ug/Kg
98-82-8	Isopropylbenzene	1300	JD	1500	97	ug/Kg
103-65-1	n-propylbenzene	8100	D	1500	110	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	14000	D	1500	110	ug/Kg
98-06-6	tert-Butylbenzene	110	UD	1500	110	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	32000	D	1500	110	ug/Kg
135-98-8	Sec-butylbenzene	1700	D	1500	120	ug/Kg
99-87-6	p-Isopropyltoluene	1500	D	1500	110	ug/Kg
104-51-8	n-Butylbenzene	8600	D	1500	140	ug/Kg
91-20-3	Naphthalene	2900	D	1500	140	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	104.26	104 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	93.28	93 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	94.92	95 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	97.92	98 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166458	5.64			
540-36-3	1,4-Difluorobenzene	297777	6.26			
3114-55-4	Chlorobenzene-d5	239210	10.02			
3855-82-1	1,4-Dichlorobenzene-d4	96807	12.43			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

[redacted] 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK4EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-13	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	22
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101025.D	1	10/10/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.47	U	6.4	0.47	ug/Kg
71-43-2	Benzene	0.51	U	6.4	0.51	ug/Kg
108-88-3	Toluene	0.52	U	6.4	0.52	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	6.4	0.45	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.4	1.1	ug/Kg
95-47-6	o-Xylene	0.49	U	6.4	0.49	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	6.4	0.53	ug/Kg
103-65-1	N-propylbenzene	0.69	U	6.4	0.69	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.63	U	6.4	0.63	ug/Kg
98-06-6	tert-Butylbenzene	0.92	U	6.4	0.92	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.49	U	6.4	0.49	ug/Kg
135-98-8	Sec-butylbenzene	0.54	U	6.4	0.54	ug/Kg
99-87-6	p-Isopropyltoluene	0.54	U	6.4	0.54	ug/Kg
104-51-8	n-Butylbenzene	0.43	U	6.4	0.43	ug/Kg
91-20-3	Naphthalene	0.75	U	6.4	0.75	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.02	116 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.97	106 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	49.93	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	49.09	98 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	408682	4.17			
540-36-3	1,4-Difluorobenzene	768642	4.61			
3114-55-4	Chlorobenzene-d5	759179	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	374230	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	NORTHWALL(EAST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-14	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	21
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101032.D	1	10/11/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.46	U	6.3	0.46	ug/Kg
71-43-2	Benzene	0.50	U	6.3	0.50	ug/Kg
108-88-3	Toluene	0.51	U	6.3	0.51	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	6.3	0.45	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.3	1.1	ug/Kg
95-47-6	o-Xylene	0.49	U	6.3	0.49	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	6.3	0.53	ug/Kg
103-65-1	N-propylbenzene	0.68	U	6.3	0.68	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.62	U	6.3	0.62	ug/Kg
98-06-6	tert-Butylbenzene	0.90	U	6.3	0.90	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.48	U	6.3	0.48	ug/Kg
135-98-8	Sec-butylbenzene	0.53	U	6.3	0.53	ug/Kg
99-87-6	p-Isopropyltoluene	0.54	U	6.3	0.54	ug/Kg
104-51-8	n-Butylbenzene	0.43	U	6.3	0.43	ug/Kg
91-20-3	Naphthalene	0.74	U	6.3	0.74	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.94	112 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	50.31	101 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	52.01	104 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	51.13	102 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	318420	4.16			
540-36-3	1,4-Difluorobenzene	598729	4.61			
3114-55-4	Chlorobenzene-d5	583529	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	291235	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: T5025 **Order ID:** T5025

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**FD01**							
T5025-05	FD01	SOIL	n-propylbenzene	4400		740	55	ug/Kg
T5025-05	FD01	SOIL	1,2,4-Trimethylbenzene	8000		740	54	ug/Kg
T5025-05	FD01	SOIL	Sec-butylbenzene	1400		740	63	ug/Kg
T5025-05	FD01	SOIL	n-Butylbenzene	3300		740	69	ug/Kg
			Total VOC's:	17100.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	17100.00				
Client ID:	**SOUTHWALL(WEST)**							
T5025-04	SOUTHWALL(WES	SOIL	n-propylbenzene	5800		750	57	ug/Kg
T5025-04	SOUTHWALL(WES	SOIL	1,2,4-Trimethylbenzene	12000		750	56	ug/Kg
T5025-04	SOUTHWALL(WES	SOIL	Sec-butylbenzene	1800		750	64	ug/Kg
T5025-04	SOUTHWALL(WES	SOIL	n-Butylbenzene	4300		750	71	ug/Kg
			Total VOC's:	23900.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	23900.00				
Client ID:	**TANK2WESTWALL**							
T5025-02	TANK2WESTWALL	SOIL	n-propylbenzene	2800		1500	110	ug/Kg
T5025-02	TANK2WESTWALL	SOIL	Sec-butylbenzene	2200		1500	130	ug/Kg
T5025-02	TANK2WESTWALL	SOIL	n-Butylbenzene	4200		1500	140	ug/Kg
			Total VOC's:	9200.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	9200.00				
Client ID:	**TANK5EASTWALL**							
T5025-12	TANK5EASTWALL	SOIL	Ethyl Benzene	1600		730	59	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	m&p-Xylenes	19000		1500	140	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	o-Xylene	1000		730	53	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	Isopropylbenzene	1500		730	48	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	n-propylbenzene	9100		730	55	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	1,3,5-Trimethylbenzene	15000		730	53	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	1,2,4-Trimethylbenzene	35000	E	730	54	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	Sec-butylbenzene	1900		730	62	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	p-Isopropyltoluene	1500		730	53	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	n-Butylbenzene	8100		730	68	ug/Kg
T5025-12	TANK5EASTWALL	SOIL	Naphthalene	2800		730	68	ug/Kg
			Total VOC's:	96500.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	96500.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Summary Sheet
SW-846

SDG No.: T5025 **Order ID:** T5025

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**TANK5EASTWALLDL**							
T5025-12DL	TANK5EASTWALL	SOIL	Ethyl Benzene	1700	D	1500	120	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	m&p-Xylenes	6900	D	2900	280	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	o-Xylene	1100	JD	1500	110	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	Isopropylbenzene	1300	JD	1500	97	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	n-propylbenzene	8100	D	1500	110	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	1,3,5-Trimethylbenzene	14000	D	1500	110	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	1,2,4-Trimethylbenzene	32000	D	1500	110	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	Sec-butylbenzene	1700	D	1500	120	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	p-Isopropyltoluene	1500	D	1500	110	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	n-Butylbenzene	8600	D	1500	140	ug/Kg
T5025-12DL	TANK5EASTWALL	SOIL	Naphthalene	2900	D	1500	140	ug/Kg
			Total VOC's:	79800.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	79800.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

Lab Chronicle

Order ID:	T5025	Order Date:	10/4/2005 6:00:39 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	N53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5025-01	**TANK2FLOOR**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/11/05	
T5025-02	**TANK2WESTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-03	**TANK2EASTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-04	**SOUTHWALL(WEST)**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/07/05	
T5025-04RE	**SOUTHWALL(WEST)RE**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-05	**FD01**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/07/05	
T5025-05RE	**FD01RE**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-06	**SOUTHWALL(EAST)**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/11/05	
T5025-10	**TANK1FLOOR**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-11	**TANK1WESTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/10/05	
T5025-12	**TANK5EASTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260			10/07/05	

T5025-12DL	**TANK5EASTWALLDL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260		10/10/05		
T5025-13	**TANK4EASTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260		10/10/05		
T5025-14	**NORTHWALL(EAST)**	**SOIL**			**10/03/05**			**10/04/05**
			VOC-STARS	8260		10/11/05		

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T5025

A. Number of Samples and Date of Receipt:
14 Solid samples were received on 10/4/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
Stars List Semi Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for Stars List Semi Volatiles .

C. Analytical Techniques:
The samples were analyzed on instrument BNA B using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis except for SOUTHWALL(EAST).
The Surrogate recoveries met the acceptable criteria except for TANK2FLOOR, TANK2WESTWALL, TANK2WESTWALLRE, SOUTHWALL(WEST)RE and FD01.
The Internal Standards Areas met the acceptable requirements except for TANK2WESTWALL, SOUTHWALL(WEST), TANK5EASTWALL, NORTHWALL(EAST), FD01, SOUTHWALL(EAST)MS, SOUTHWALL(EAST)MSD, TANK2WESTWALLRE, TANK5EASTWALLRE and SOUTHWALL(WEST)RE.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: _____ Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5025 MATRIX: Solid

METHOD: 8270

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8270 and CLP.			✓
b.	System Performance Check Compounds for 8270 and CLP			✓

8270 CALIBRATION CRITERIA

SPCC Compounds	MINRF	CCC Compounds	
		Base/Neutral Fraction	Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

7. Surrogate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

   The Surrogate recoveries met the acceptable criteria except for TANK2FLOOR, TANK2WESTWALL, TANK2WESTWALLRE, SOUTHWALL(WEST)RE and FD01.

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments: The Internal Standards Areas met the acceptable requirements except for TANK2WESTWALL, SOUTHWALL(WEST), TANK5EASTWALL, NORTHWALL(EAST), FD01, SOUTHWALL(EAST)MS, SOUTHWALL(EAST)MSD, TANK2WESTWALLRE, TANK5EASTWALLRE and SOUTHWALL(WEST)RE.

10. Extraction Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

    The Holding Times were met for all analysis except for SOUTHWALL(EAST).

11. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Carole Collins
QA REVIEW

10/20/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2FLOOR	**SDG No.:**	T5025
Lab Sample ID:	T5025-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	23
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026606.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	71	U	420	71	ug/Kg
83-32-9	Acenaphthene	74	U	420	74	ug/Kg
86-73-7	Fluorene	70	U	420	70	ug/Kg
85-01-8	Phenanthrene	67	U	420	67	ug/Kg
120-12-7	Anthracene	63	U	420	63	ug/Kg
206-44-0	Fluoranthene	62	U	420	62	ug/Kg
129-00-0	Pyrene	74	U	420	74	ug/Kg
56-55-3	Benzo(a)anthracene	58	U	420	58	ug/Kg
218-01-9	Chrysene	75	U	420	75	ug/Kg
205-99-2	Benzo(b)fluoranthene	46	U	420	46	ug/Kg
207-08-9	Benzo(k)fluoranthene	92	U	420	92	ug/Kg
50-32-8	Benzo(a)pyrene	67	U	420	67	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53	U	420	53	ug/Kg
53-70-3	Dibenz(a,h)anthracene	52	U	420	52	ug/Kg
191-24-2	Benzo(g,h,i)perylene	69	U	420	69	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	37.42	19 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	95.33	48 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	120.79	60 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166280	6.34			
1146-65-2	Naphthalene-d8	752437	8.64			
15067-26-2	Acenaphthene-d10	392722	12.10			
1517-22-2	Phenanthrene-d10	679604	15.07			
1719-03-5	Chrysene-d12	489409	20.43			
1520-96-3	Perylene-d12	482578	23.65			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2WESTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026625.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	65	U	380	65	ug/Kg
83-32-9	Acenaphthene	67	U	380	67	ug/Kg
86-73-7	Fluorene	64	U	380	64	ug/Kg
85-01-8	Phenanthrene	60	U	380	60	ug/Kg
120-12-7	Anthracene	57	U	380	57	ug/Kg
206-44-0	Fluoranthene	56	U	380	56	ug/Kg
129-00-0	Pyrene	67	U	380	67	ug/Kg
56-55-3	Benzo(a)anthracene	53	U	380	53	ug/Kg
218-01-9	Chrysene	68	U	380	68	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	380	42	ug/Kg
207-08-9	Benzo(k)fluoranthene	83	U	380	83	ug/Kg
50-32-8	Benzo(a)pyrene	61	U	380	61	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48	U	380	48	ug/Kg
53-70-3	Dibenz(a,h)anthracene	47	U	380	47	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63	U	380	63	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	298.13	149 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	122.92	61 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	124.6	62 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70492	6.38			
1146-65-2	Naphthalene-d8	209301	8.69			
15067-26-2	Acenaphthene-d10	184392	12.11			
1517-22-2	Phenanthrene-d10	339180	15.09			
1719-03-5	Chrysene-d12	256507	20.44			
1520-96-3	Perylene-d12	238042	23.66			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK2EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026607.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	63	U	370	63	ug/Kg
83-32-9	Acenaphthene	66	U	370	66	ug/Kg
86-73-7	Fluorene	63	U	370	63	ug/Kg
85-01-8	Phenanthrene	59	U	370	59	ug/Kg
120-12-7	Anthracene	56	U	370	56	ug/Kg
206-44-0	Fluoranthene	55	U	370	55	ug/Kg
129-00-0	Pyrene	66	U	370	66	ug/Kg
56-55-3	Benzo(a)anthracene	52	U	370	52	ug/Kg
218-01-9	Chrysene	67	U	370	67	ug/Kg
205-99-2	Benzo(b)fluoranthene	41	U	370	41	ug/Kg
207-08-9	Benzo(k)fluoranthene	82	U	370	82	ug/Kg
50-32-8	Benzo(a)pyrene	59	U	370	59	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47	U	370	47	ug/Kg
53-70-3	Dibenz(a,h)anthracene	47	U	370	47	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	U	370	61	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	152.48	76 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	140.36	70 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	129.98	65 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142634	6.35			
1146-65-2	Naphthalene-d8	610431	8.64			
15067-26-2	Acenaphthene-d10	342089	12.10			
1517-22-2	Phenanthrene-d10	576129	15.08			
1719-03-5	Chrysene-d12	418299	20.43			
1520-96-3	Perylene-d12	424898	23.64			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	SOUTHWALL(WEST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	17
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026626.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	67	U	390	67	ug/Kg
83-32-9	Acenaphthene	69	U	390	69	ug/Kg
86-73-7	Fluorene	66	U	390	66	ug/Kg
85-01-8	Phenanthrene	72	J	390	62	ug/Kg
120-12-7	Anthracene	59	U	390	59	ug/Kg
206-44-0	Fluoranthene	58	U	390	58	ug/Kg
129-00-0	Pyrene	69	U	390	69	ug/Kg
56-55-3	Benzo(a)anthracene	55	U	390	55	ug/Kg
218-01-9	Chrysene	70	U	390	70	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	390	43	ug/Kg
207-08-9	Benzo(k)fluoranthene	86	U	390	86	ug/Kg
50-32-8	Benzo(a)pyrene	62	U	390	62	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	390	49	ug/Kg
53-70-3	Dibenz(a,h)anthracene	49	U	390	49	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64	U	390	64	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	208.08	104 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	112.02	56 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	119.01	60 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60139	6.39			
1146-65-2	Naphthalene-d8	101868	8.72			
15067-26-2	Acenaphthene-d10	140561	12.11			
1517-22-2	Phenanthrene-d10	269799	15.09			
1719-03-5	Chrysene-d12	200782	20.45			
1520-96-3	Perylene-d12	202515	23.66			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	FD01	**SDG No.:**	T5025
Lab Sample ID:	T5025-05	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Vol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026631.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	65	U	380	65	ug/Kg
83-32-9	Acenaphthene	68	U	380	68	ug/Kg
86-73-7	Fluorene	65	U	380	65	ug/Kg
85-01-8	Phenanthrene	68	J	380	61	ug/Kg
120-12-7	Anthracene	66	J	380	58	ug/Kg
206-44-0	Fluoranthene	57	U	380	57	ug/Kg
129-00-0	Pyrene	68	U	380	68	ug/Kg
56-55-3	Benzo(a)anthracene	54	U	380	54	ug/Kg
218-01-9	Chrysene	69	U	380	69	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	380	42	ug/Kg
207-08-9	Benzo(k)fluoranthene	84	U	380	84	ug/Kg
50-32-8	Benzo(a)pyrene	61	U	380	61	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	380	49	ug/Kg
53-70-3	Dibenz(a,h)anthracene	48	U	380	48	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63	U	380	63	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	436.61	218 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	121.6	61 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	121.9	61 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	67850	6.40			
1146-65-2	Naphthalene-d8	106532	8.72			
15067-26-2	Acenaphthene-d10	136623	12.12			
1517-22-2	Phenanthrene-d10	257769	15.09			
1719-03-5	Chrysene-d12	203284	20.45			
1520-96-3	Perylene-d12	197709	23.67			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	SOUTHWALL(EAST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-06	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	13
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE025916.D	1	10/12/2005	10/13/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	65	U	380	65	ug/Kg
83-32-9	Acenaphthene	67	U	380	67	ug/Kg
86-73-7	Fluorene	64	U	380	64	ug/Kg
85-01-8	Phenanthrene	60	U	380	60	ug/Kg
120-12-7	Anthracene	57	U	380	57	ug/Kg
206-44-0	Fluoranthene	56	U	380	56	ug/Kg
129-00-0	Pyrene	67	U	380	67	ug/Kg
56-55-3	Benzo(a)anthracene	53	U	380	53	ug/Kg
218-01-9	Chrysene	68	U	380	68	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	380	42	ug/Kg
207-08-9	Benzo(k)fluoranthene	83	U	380	83	ug/Kg
50-32-8	Benzo(a)pyrene	61	U	380	61	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48	U	380	48	ug/Kg
53-70-3	Dibenz(a,h)anthracene	47	U	380	47	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63	U	380	63	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	112.73	56 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	102.22	51 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	103.25	52 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	291052	3.67			
1146-65-2	Naphthalene-d8	1008542	4.44			
15067-26-2	Acenaphthene-d10	587326	5.54			
1517-22-2	Phenanthrene-d10	841047	6.49			
1719-03-5	Chrysene-d12	813829	8.46			
1520-96-3	Perylene-d12	942471	10.21			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK1FLOOR	**SDG No.:**	T5025
Lab Sample ID:	T5025-10	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	24
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026609.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	73	U	420	73	ug/Kg
83-32-9	Acenaphthene	76	U	420	76	ug/Kg
86-73-7	Fluorene	72	U	420	72	ug/Kg
85-01-8	Phenanthrene	68	U	420	68	ug/Kg
120-12-7	Anthracene	64	U	420	64	ug/Kg
206-44-0	Fluoranthene	63	U	420	63	ug/Kg
129-00-0	Pyrene	75	U	420	75	ug/Kg
56-55-3	Benzo(a)anthracene	60	U	420	60	ug/Kg
218-01-9	Chrysene	76	U	420	76	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	420	47	ug/Kg
207-08-9	Benzo(k)fluoranthene	94	U	420	94	ug/Kg
50-32-8	Benzo(a)pyrene	68	U	420	68	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54	U	420	54	ug/Kg
53-70-3	Dibenz(a,h)anthracene	53	U	420	53	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70	U	420	70	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	138.1	69 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	130.12	65 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	110.52	55 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155276	6.35			
1146-65-2	Naphthalene-d8	673461	8.64			
15067-26-2	Acenaphthene-d10	376788	12.10			
1517-22-2	Phenanthrene-d10	624340	15.08			
1719-03-5	Chrysene-d12	486437	20.43			
1520-96-3	Perylene-d12	502013	23.65			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK1WESTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-11	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026610.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	69	U	400	69	ug/Kg
83-32-9	Acenaphthene	72	U	400	72	ug/Kg
86-73-7	Fluorene	68	U	400	68	ug/Kg
85-01-8	Phenanthrene	64	U	400	64	ug/Kg
120-12-7	Anthracene	61	U	400	61	ug/Kg
206-44-0	Fluoranthene	60	U	400	60	ug/Kg
129-00-0	Pyrene	71	U	400	71	ug/Kg
56-55-3	Benzo(a)anthracene	56	U	400	56	ug/Kg
218-01-9	Chrysene	72	U	400	72	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	400	44	ug/Kg
207-08-9	Benzo(k)fluoranthene	89	U	400	89	ug/Kg
50-32-8	Benzo(a)pyrene	64	U	400	64	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51	U	400	51	ug/Kg
53-70-3	Dibenz(a,h)anthracene	50	U	400	50	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67	U	400	67	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	106.59	53 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	106.71	53 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	104.43	52 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145278	6.36			
1146-65-2	Naphthalene-d8	534151	8.65			
15067-26-2	Acenaphthene-d10	338722	12.10			
1517-22-2	Phenanthrene-d10	584448	15.08			
1719-03-5	Chrysene-d12	485370	20.44			
1520-96-3	Perylene-d12	489902	23.64			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK5EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-12	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	14
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026629.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	970		370	64	ug/Kg
83-32-9	Acenaphthene	67	U	370	67	ug/Kg
86-73-7	Fluorene	63	U	370	63	ug/Kg
85-01-8	Phenanthrene	60	U	370	60	ug/Kg
120-12-7	Anthracene	57	U	370	57	ug/Kg
206-44-0	Fluoranthene	56	U	370	56	ug/Kg
129-00-0	Pyrene	66	U	370	66	ug/Kg
56-55-3	Benzo(a)anthracene	53	U	370	53	ug/Kg
218-01-9	Chrysene	67	U	370	67	ug/Kg
205-99-2	Benzo(b)fluoranthene	41	U	370	41	ug/Kg
207-08-9	Benzo(k)fluoranthene	83	U	370	83	ug/Kg
50-32-8	Benzo(a)pyrene	60	U	370	60	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48	U	370	48	ug/Kg
53-70-3	Dibenz(a,h)anthracene	47	U	370	47	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62	U	370	62	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	156.2	78 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	138.83	69 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	111.21	56 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	115087	6.36			
1146-65-2	Naphthalene-d8	434989	8.66			
15067-26-2	Acenaphthene-d10	266869	12.10			
1517-22-2	Phenanthrene-d10	466224	15.09			
1719-03-5	Chrysene-d12	280820	20.44			
1520-96-3	Perylene-d12	313368	23.68			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	TANK4EASTWALL	**SDG No.:**	T5025
Lab Sample ID:	T5025-13	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	22
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026611.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	70	U	410	70	ug/Kg
83-32-9	Acenaphthene	73	U	410	73	ug/Kg
86-73-7	Fluorene	69	U	410	69	ug/Kg
85-01-8	Phenanthrene	66	U	410	66	ug/Kg
120-12-7	Anthracene	62	U	410	62	ug/Kg
206-44-0	Fluoranthene	61	U	410	61	ug/Kg
129-00-0	Pyrene	73	U	410	73	ug/Kg
56-55-3	Benzo(a)anthracene	58	U	410	58	ug/Kg
218-01-9	Chrysene	74	U	410	74	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	410	45	ug/Kg
207-08-9	Benzo(k)fluoranthene	91	U	410	91	ug/Kg
50-32-8	Benzo(a)pyrene	66	U	410	66	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52	U	410	52	ug/Kg
53-70-3	Dibenz(a,h)anthracene	52	U	410	52	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68	U	410	68	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	147.96	74 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	133.27	67 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	113.2	57 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149154	6.36			
1146-65-2	Naphthalene-d8	610627	8.64			
15067-26-2	Acenaphthene-d10	351380	12.09			
1517-22-2	Phenanthrene-d10	576737	15.08			
1719-03-5	Chrysene-d12	452810	20.44			
1520-96-3	Perylene-d12	473585	23.64			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/3/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/4/2005
Client Sample ID:	NORTHWALL(EAST)	**SDG No.:**	T5025
Lab Sample ID:	T5025-14	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026630.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	70	U	410	70	ug/Kg
83-32-9	Acenaphthene	73	U	410	73	ug/Kg
86-73-7	Fluorene	69	U	410	69	ug/Kg
85-01-8	Phenanthrene	65	U	410	65	ug/Kg
120-12-7	Anthracene	62	U	410	62	ug/Kg
206-44-0	Fluoranthene	61	U	410	61	ug/Kg
129-00-0	Pyrene	72	U	410	72	ug/Kg
56-55-3	Benzo(a)anthracene	57	U	410	57	ug/Kg
218-01-9	Chrysene	73	U	410	73	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	410	45	ug/Kg
207-08-9	Benzo(k)fluoranthene	90	U	410	90	ug/Kg
50-32-8	Benzo(a)pyrene	65	U	410	65	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52	U	410	52	ug/Kg
53-70-3	Dibenz(a,h)anthracene	51	U	410	51	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68	U	410	68	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	134.47	67 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	148.89	74 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	140.71	70 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	109178	6.36			
1146-65-2	Naphthalene-d8	434655	8.64			
15067-26-2	Acenaphthene-d10	243587	12.10			
1517-22-2	Phenanthrene-d10	410761	15.09			
1719-03-5	Chrysene-d12	312397	20.44			
1520-96-3	Perylene-d12	310082	23.66			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Hit Summary Report

SDG No.: T5025 **Order ID:** T5025

Client: C.T. Male & Associates **Project ID:** 714 Broadway, city of Schenectady

Test: SVOC-STARS

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**FD01**							
T5025-05	FD01	SOIL	Phenanthrene	68	J	380	61	ug/Kg
T5025-05	FD01	SOIL	Anthracene	66	J	380	58	ug/Kg
			Total SVOC's:	134.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	134.00				
Client ID:	**SOUTHWALL(WEST)**							
T5025-04	SOUTHWALL(WES	SOIL	Phenanthrene	72	J	390	62	ug/Kg
			Total SVOC's:	72.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	72.00				
Client ID:	**SOUTHWALL(WEST)RE**							
T5025-04RE	SOUTHWALL(WES	SOIL	Phenanthrene	82	J	390	62	ug/Kg
			Total SVOC's:	82.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	82.00				
Client ID:	**TANK5EASTWALL**							
T5025-12	TANK5EASTWALL	SOIL	Naphthalene	970		370	64	ug/Kg
			Total SVOC's:	970.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	970.00				
Client ID:	**TANK5EASTWALLRE**							
T5025-12RE	TANK5EASTWALL	SOIL	Naphthalene	860		370	64	ug/Kg
			Total SVOC's:	860.00				
			Total TIC's:	0.00				
			Total SVOC's and TIC's:	860.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

Lab Chronicle

Order ID: T5025
Client: C.T. Male & Associates
Contact: Liz Rovers

Order Date: 10/4/2005 6:00:39 PM
Project: 714 Broadway, city of Schenectady
Location N53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5025-01	**TANK2FLOOR**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/07/05	
T5025-02	**TANK2WESTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/08/05	
T5025-02RE	**TANK2WESTWALLRE**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/13/05	
T5025-03	**TANK2EASTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/07/05	
T5025-04	**SOUTHWALL(WEST)**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/08/05	
T5025-04RE	**SOUTHWALL(WEST)RE**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/13/05	
T5025-05	**FD01**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/08/05	
T5025-06	**SOUTHWALL(EAST)**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/12/05	10/13/05	
T5025-10	**TANK1FLOOR**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/07/05	
T5025-11	**TANK1WESTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/07/05	
T5025-12	**TANK5EASTWALL**	**SOIL**			**10/03/05**			**10/04/05**
			SVOC-STARS	8270		10/06/05	10/08/05	
T5025-12RE	**TANK5EASTWALLRE**	**SOIL**			**10/03/05**			**10/04/05**

			SVOC-STARS	8270			10/06/05	10/13/05	
T5025-13	**TANK4EASTWALL**	**SOIL**			**10/03/05**				**10/04/05**
			SVOC-STARS	8270			10/06/05	10/07/05	
T5025-14	**NORTHWALL(EAST)**	**SOIL**			**10/03/05**				**10/04/05**
			SVOC-STARS	8270			10/06/05	10/08/05	

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

END OF ANALYTICAL RESULTS

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

RECEIVED
OCT 24 2005
C.T. MALE ASSOCIATES, P.C.

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T5039 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5039-01	TANK5WESTWALL
T5039-02	TANK5FLOOR
T5039-03	TANK4FLOOR
T5039-04	NORTHWALL(WEST)
T5039-05	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Deepa Dubey

Date: 10/28/05 Title: office

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5039

COC Number 053104

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 518 786 7400 FAX: 518 786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway
PROJECT NO.: 05.5086 LOCATION: Schenectady, NY
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 518 786-7400 FAX: 518 786-7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Normal DAYS *
HARD COPY: DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

STARS 8260+MTBE VOC
STARS 8270 BN SVOC

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A,E)	PRESERVATIVES 2 (E)	3	4	5	6	7	8	9	COMMENTS
1.	Tank #5 West Wall	Soil		X	10/4/05	915	2	X	X								
2.	Tank #5 Floor	Soil		X	10/4/05	920	2	X	X								
3.	Tank #4 Floor	Soil		X	10/4/05	925	2	X	X								
4.	North Wall (West)	Soil		X	10/4/05	930	2	X	X								
5.	Trip Blank	Water			10/4/05	—	2	X									
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: 1 = A,E; 2 = E

COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Matt Thiem	10/4/05 1730	1. Fed ex # 706651105190
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:40	RECEIVED FOR LAB BY:
3. FedEx	10-5-05	3. M. Nelson

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Origin ID: DSVA (518) 786-7400
ANNA E BROBSTON
C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DR

LATHAM, NY 12110

FedEx Express

CLS091404/05/05

Ship Date: 04OCT05
Actual Wgt: 23.0 LB MAN
System#: 530710/CAFE2246
Account#: S 012200374

REF:

Delivery Address Bar Code

SHIP TO: (908) 789-8900 BILL SENDER

SAMPLE RECEIVING
CHEMTECH
284 SHEFFIELD STREET

MOUNTAINSIDE, NJ 07092

PRIORITY OVERNIGHT

WED
Deliver By:
05OCT05

TRK# 7066 5110 5190 FORM 0201

EWR A1

07092 -NJ-US

Z3 KBCA

JL
10-5-05
9:40

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

QA REVIEW GENERAL DOCUMENTATION

Project #: T5039

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	

Non – Conformance /Comments:

1st Level QA Review Signature: Krupa Dubey Date: 10/28/05

2nd Level QA Review Signature: _____ Date: _____

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # N/A
Chemtech Project # T5039

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/5/05.
1 Water sample was received on 10/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, 8260 Stars List Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for 8260 Stars List Volatiles.

C. Analytical Techniques:
The analysis performed on instrument MSVOA H were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for TANK5WESTWALL, TANK5WESTWALLRE, TANK5FLOOR and TANK5FLOORRE.
The Internal Standards Areas met the acceptable requirements except for TANK5WESTWALLRE.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature: _____ Name: Krupa Dubey

Date: 10/20/05 Title: QA/QC

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # N/A
Chemtech Project # T5039

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 10/5/05.
1 Water sample was received on 10/5/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, 8260 Stars List Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for Stars List Semi Volatiles.

C. Analytical Techniques:
The samples were analyzed on instrument BNA B using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements except for T5025-06MS and T5025-06MSD.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 10/20/05 Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK5WESTWALL	**SDG No.:**	T5039
Lab Sample ID:	T5039-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	21
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100819.D	1	10/8/2005	VK100805

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.46	U	6.3	0.46	ug/Kg
71-43-2	Benzene	0.50	U	6.3	0.50	ug/Kg
108-88-3	Toluene	0.51	U	6.3	0.51	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	6.3	0.45	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.3	1.1	ug/Kg
95-47-6	o-Xylene	0.48	U	6.3	0.48	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	6.3	0.52	ug/Kg
103-65-1	N-propylbenzene	0.68	U	6.3	0.68	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.62	U	6.3	0.62	ug/Kg
98-06-6	tert-Butylbenzene	0.90	U	6.3	0.90	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.48	U	6.3	0.48	ug/Kg
135-98-8	Sec-butylbenzene	0.53	U	6.3	0.53	ug/Kg
99-87-6	p-Isopropyltoluene	0.54	U	6.3	0.54	ug/Kg
104-51-8	n-Butylbenzene	0.43	U	6.3	0.43	ug/Kg
91-20-3	Naphthalene	1.5	J	6.3	0.74	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	73.19	146 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	39.78	80 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	39.59	79 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	289.11	578 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82625	4.18			
540-36-3	1,4-Difluorobenzene	285899	4.62			
3114-55-4	Chlorobenzene-d5	232612	7.52			
3855-82-1	1,4-Dichlorobenzene-d4	146337	9.57			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK5FLOOR	**SDG No.:**	T5039
Lab Sample ID:	T5039-02	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	26
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101039.D	1	10/11/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.50	U	6.7	0.50	ug/Kg
71-43-2	Benzene	0.54	U	6.7	0.54	ug/Kg
108-88-3	Toluene	0.55	U	6.7	0.55	ug/Kg
100-41-4	Ethyl Benzene	0.48	U	6.7	0.48	ug/Kg
126777-61-2	m/p-Xylenes	1.2	U	6.7	1.2	ug/Kg
95-47-6	o-Xylene	0.52	U	6.7	0.52	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	6.7	0.56	ug/Kg
103-65-1	N-propylbenzene	0.72	U	6.7	0.72	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.67	U	6.7	0.67	ug/Kg
98-06-6	tert-Butylbenzene	0.96	U	6.7	0.96	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.51	U	6.7	0.51	ug/Kg
135-98-8	Sec-butylbenzene	0.56	U	6.7	0.56	ug/Kg
99-87-6	p-Isopropyltoluene	0.57	U	6.7	0.57	ug/Kg
104-51-8	n-Butylbenzene	0.46	U	6.7	0.46	ug/Kg
91-20-3	Naphthalene	0.79	U	6.7	0.79	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.5	131 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	52.63	105 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	53.12	106 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	54.58	109 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282983	4.16			
540-36-3	1,4-Difluorobenzene	543119	4.60			
3114-55-4	Chlorobenzene-d5	545898	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	270123	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK4FLOOR	**SDG No.:**	T5039
Lab Sample ID:	T5039-03	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	20
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101223.D	1	10/12/2005	VK101005

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.46	U	6.2	0.46	ug/Kg
71-43-2	Benzene	0.50	U	6.2	0.50	ug/Kg
108-88-3	Toluene	0.50	U	6.2	0.50	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	6.2	0.44	ug/Kg
126777-61-2	m/p-Xylenes	1.1	U	6.2	1.1	ug/Kg
95-47-6	o-Xylene	0.48	U	6.2	0.48	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	6.2	0.52	ug/Kg
103-65-1	N-propylbenzene	0.67	U	6.2	0.67	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.61	U	6.2	0.61	ug/Kg
98-06-6	tert-Butylbenzene	0.89	U	6.2	0.89	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1.3	J	6.2	0.47	ug/Kg
135-98-8	Sec-butylbenzene	0.52	U	6.2	0.52	ug/Kg
99-87-6	p-Isopropyltoluene	0.53	U	6.2	0.53	ug/Kg
104-51-8	n-Butylbenzene	0.42	U	6.2	0.42	ug/Kg
91-20-3	Naphthalene	0.73	U	6.2	0.73	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.71	125 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	49.43	99 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.96	102 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	54.64	109 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198595	4.16			
540-36-3	1,4-Difluorobenzene	385365	4.61			
3114-55-4	Chlorobenzene-d5	413502	7.49			
3855-82-1	1,4-Dichlorobenzene-d4	196922	9.54			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	NORTHWALL(WEST)	**SDG No.:**	T5039
Lab Sample ID:	T5039-04	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	11
Sample Wt/Vol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK100822.D	1	10/8/2005	VK100805

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.41	U	5.6	0.41	ug/Kg
71-43-2	Benzene	0.45	U	5.6	0.45	ug/Kg
108-88-3	Toluene	0.46	U	5.6	0.46	ug/Kg
100-41-4	Ethyl Benzene	0.40	U	5.6	0.40	ug/Kg
126777-61-2	m/p-Xylenes	0.97	U	5.6	0.97	ug/Kg
95-47-6	o-Xylene	0.43	U	5.6	0.43	ug/Kg
98-82-8	Isopropylbenzene	0.47	U	5.6	0.47	ug/Kg
103-65-1	N-propylbenzene	0.60	U	5.6	0.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.56	U	5.6	0.56	ug/Kg
98-06-6	tert-Butylbenzene	0.80	U	5.6	0.80	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.43	U	5.6	0.43	ug/Kg
135-98-8	Sec-butylbenzene	0.47	U	5.6	0.47	ug/Kg
99-87-6	p-Isopropyltoluene	0.48	U	5.6	0.48	ug/Kg
104-51-8	n-Butylbenzene	0.38	U	5.6	0.38	ug/Kg
91-20-3	Naphthalene	0.66	U	5.6	0.66	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.06	96 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	51.21	102 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	50.1	100 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	49.04	98 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113025	4.18			
540-36-3	1,4-Difluorobenzene	258500	4.62			
3114-55-4	Chlorobenzene-d5	281592	7.51			
3855-82-1	1,4-Dichlorobenzene-d4	94466	9.55			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TRIPBLANK	**SDG No.:**	T5039
Lab Sample ID:	T5039-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH101335.D	1	10/14/2005	VH100605

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m/p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.36	87 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	47.99	96 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.78	94 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.58	95 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205478	5.64			
540-36-3	1,4-Difluorobenzene	312147	6.27			
3114-55-4	Chlorobenzene-d5	279175	10.02			
3855-82-1	1,4-Dichlorobenzene-d4	126810	12.44			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: T5039 **Order ID:** T5039

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**TANK4FLOOR**							
T5039-03	TANK4FLOOR	SOIL	1,2,4-Trimethylbenzene	1.3	J	6.2	0.47	ug/Kg
			Total VOC's:	1.30				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	1.30				
Client ID:	**TANK5WESTWALL**							
T5039-01	TANK5WESTWALL	SOIL	Naphthalene	1.5	J	6.3	0.74	ug/Kg
			Total VOC's:	1.50				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	1.50				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

Lab Chronicle

Order ID:	T5039	Order Date:	10/5/2005 3:03:35 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	O31

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5039-01	**TANK5WESTWALL**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/08/05	
T5039-01RE	**TANK5WESTWALLRE**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/11/05	
T5039-02	**TANK5FLOOR**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/11/05	
T5039-02RE	**TANK5FLOORRE**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/12/05	
T5039-03	**TANK4FLOOR**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/12/05	
T5039-04	**NORTHWALL(WEST)**	**SOIL**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/08/05	
T5039-05	**TRIPBLANK**	**WATER**			**10/04/05**			**10/05/05**
			VOC-STARS	8260			10/14/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK5WESTWALL	**SDG No.:**	T5039
Lab Sample ID:	T5039-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	21
Sample Wt/Wol:	15.3 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026627.D	1	10/6/2005	10/8/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	70	U	410	70	ug/Kg
83-32-9	Acenaphthene	73	U	410	73	ug/Kg
86-73-7	Fluorene	69	U	410	69	ug/Kg
85-01-8	Phenanthrene	66	U	410	66	ug/Kg
120-12-7	Anthracene	62	U	410	62	ug/Kg
206-44-0	Fluoranthene	61	U	410	61	ug/Kg
129-00-0	Pyrene	73	U	410	73	ug/Kg
56-55-3	Benzo(a)anthracene	58	U	410	58	ug/Kg
218-01-9	Chrysene	74	U	410	74	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	410	45	ug/Kg
207-08-9	Benzo(k)fluoranthene	91	U	410	91	ug/Kg
50-32-8	Benzo(a)pyrene	66	U	410	66	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52	U	410	52	ug/Kg
53-70-3	Dibenz(a,h)anthracene	52	U	410	52	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68	U	410	68	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	172.65	86 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	118.03	59 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	114.97	57 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125220	6.37			
1146-65-2	Naphthalene-d8	499176	8.66			
15067-26-2	Acenaphthene-d10	335675	12.10			
1517-22-2	Phenanthrene-d10	593298	15.08			
1719-03-5	Chrysene-d12	479482	20.45			
1520-96-3	Perylene-d12	470913	23.66			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK5FLOOR	**SDG No.:**	T5039
Lab Sample ID:	T5039-02	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	26
Sample Wt/Vol:	15.4 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB026612.D	1	10/6/2005	10/7/2005	BB100505

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	75	U	440	75	ug/Kg
83-32-9	Acenaphthene	78	U	440	78	ug/Kg
86-73-7	Fluorene	74	U	440	74	ug/Kg
85-01-8	Phenanthrene	70	U	440	70	ug/Kg
120-12-7	Anthracene	66	U	440	66	ug/Kg
206-44-0	Fluoranthene	65	U	440	65	ug/Kg
129-00-0	Pyrene	77	U	440	77	ug/Kg
56-55-3	Benzo(a)anthracene	61	U	440	61	ug/Kg
218-01-9	Chrysene	78	U	440	78	ug/Kg
205-99-2	Benzo(b)fluoranthene	48	U	440	48	ug/Kg
207-08-9	Benzo(k)fluoranthene	96	U	440	96	ug/Kg
50-32-8	Benzo(a)pyrene	70	U	440	70	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	55	U	440	55	ug/Kg
53-70-3	Dibenz(a,h)anthracene	55	U	440	55	ug/Kg
191-24-2	Benzo(g,h,i)perylene	72	U	440	72	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	154.47	77 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	134.86	67 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	112.53	56 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144733	6.35			
1146-65-2	Naphthalene-d8	631571	8.65			
15067-26-2	Acenaphthene-d10	363354	12.10			
1517-22-2	Phenanthrene-d10	610454	15.08			
1719-03-5	Chrysene-d12	398128	20.44			
1520-96-3	Perylene-d12	431205	23.65			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	TANK4FLOOR	**SDG No.:**	T5039
Lab Sample ID:	T5039-03	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	20
Sample Wt/Wol:	15.0 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026051.D	1	10/12/2005	10/17/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	70	U	410	70	ug/Kg
83-32-9	Acenaphthene	73	U	410	73	ug/Kg
86-73-7	Fluorene	70	U	410	70	ug/Kg
85-01-8	Phenanthrene	66	U	410	66	ug/Kg
120-12-7	Anthracene	62	U	410	62	ug/Kg
206-44-0	Fluoranthene	61	U	410	61	ug/Kg
129-00-0	Pyrene	73	U	410	73	ug/Kg
56-55-3	Benzo(a)anthracene	58	U	410	58	ug/Kg
218-01-9	Chrysene	74	U	410	74	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	410	45	ug/Kg
207-08-9	Benzo(k)fluoranthene	91	U	410	91	ug/Kg
50-32-8	Benzo(a)pyrene	66	U	410	66	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52	U	410	52	ug/Kg
53-70-3	Dibenz(a,h)anthracene	52	U	410	52	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68	U	410	68	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	148.03	74 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	142.44	71 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	141.03	71 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	189440	3.64			
1146-65-2	Naphthalene-d8	678576	4.42			
15067-26-2	Acenaphthene-d10	392074	5.52			
1517-22-2	Phenanthrene-d10	576174	6.50			
1719-03-5	Chrysene-d12	526250	8.54			
1520-96-3	Perylene-d12	608577	10.30			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/4/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/5/2005
Client Sample ID:	NORTHWALL(WEST)	**SDG No.:**	T5039
Lab Sample ID:	T5039-04	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	11
Sample Wt/Vol:	15.1 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026052.D	1	10/12/2005	10/17/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	63	U	370	63	ug/Kg
83-32-9	Acenaphthene	66	U	370	66	ug/Kg
86-73-7	Fluorene	62	U	370	62	ug/Kg
85-01-8	Phenanthrene	59	U	370	59	ug/Kg
120-12-7	Anthracene	56	U	370	56	ug/Kg
206-44-0	Fluoranthene	55	U	370	55	ug/Kg
129-00-0	Pyrene	66	U	370	66	ug/Kg
56-55-3	Benzo(a)anthracene	52	U	370	52	ug/Kg
218-01-9	Chrysene	67	U	370	67	ug/Kg
205-99-2	Benzo(b)fluoranthene	41	U	370	41	ug/Kg
207-08-9	Benzo(k)fluoranthene	82	U	370	82	ug/Kg
50-32-8	Benzo(a)pyrene	59	U	370	59	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47	U	370	47	ug/Kg
53-70-3	Dibenz(a,h)anthracene	46	U	370	46	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	U	370	61	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	138.51	69 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	131.66	66 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	136.32	68 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179202	3.64			
1146-65-2	Naphthalene-d8	645086	4.42			
15067-26-2	Acenaphthene-d10	376043	5.52			
1517-22-2	Phenanthrene-d10	552475	6.50			
1719-03-5	Chrysene-d12	512075	8.53			
1520-96-3	Perylene-d12	584538	10.29			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T5039	Order Date:	10/5/2005 3:03:35 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	O31

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5039-01	**TANK5WESTWALL**	**SOIL**			**10/04/05**			**10/05/05**
			SVOC-STARS	8270		10/06/05	10/08/05	
T5039-02	**TANK5FLOOR**	**SOIL**			**10/04/05**			**10/05/05**
			SVOC-STARS	8270		10/06/05	10/07/05	
T5039-03	**TANK4FLOOR**	**SOIL**			**10/04/05**			**10/05/05**
			SVOC-STARS	8270		10/12/05	10/17/05	
T5039-04	**NORTHWALL(WEST)**	**SOIL**			**10/04/05**			**10/05/05**
			SVOC-STARS	8270		10/12/05	10/17/05	

CHEMTECH

284 Sheffield ST. Mountainside, NJ 07092
Tel: 908-789-8900

END OF ANALYTICAL RESULTS

C.3 Groundwater Investigation Soil Sample

CHEMTECH

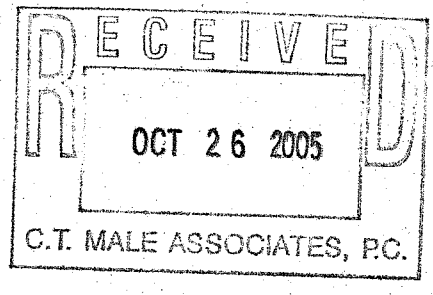
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T5114 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5114-01	MW-2(10-12)
T5114-02	TRIPBLANK10-6-05



I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Releas of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature

Signature: _____ Name: _____

Date: 10/26/05 Title: _____

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5114

COC Number 054693

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates

ADDRESS: 50 Century Hill Dr

CITY: Latham STATE: NY ZIP: 12110

ATTENTION: Liz Rosen

PHONE: 518 786 7400 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 LOCATION: Schenectady

PROJECT MANAGER: Liz Rosen

e-mail: L.Rosen@ctmale.com

PHONE: 518 786 7400 FAX: 518 786 7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:

ADDRESS: Same

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Normal DAYS *

HARD COPY: DAYS *

EDD: DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☒ New York State ASP "A"
- ☐ Other

ANALYSIS

1 STARS 8260+MTBE VOC's
2 STARS 8270 BN SVOC's
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-2 10-12'	Soil		X	10/6/05	1420	2	X	X								
2.	Trip Blank 10/6/05	Water		X	10/6/05		2	X									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	Matt Thue	10/6/05 1624	Elizabeth W. Rosen
2.	RELINQUISHED BY: Elizabeth W Rosen	DATE/TIME: 10/6/05 16:30	RECEIVED BY: FedEx #845598736504
3.	RELINQUISHED BY: Fed-Ex	DATE/TIME: 10/7/05 10:00	RECEIVED FOR LAB BY: ZEBAIR ALI

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C

Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

QA REVIEW GENERAL DOCUMENTATION

Project #: 35114

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓

Non – Conformance /Comments:

1st Level QA Review Signature: Carole Collins Date: 10/20/05

2nd Level QA Review Signature: Kunpa Dubey Date: 10/21/05

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T5114

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/7/05.
1 Water sample was received on 10/7/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
Stars List Semi Volatiles, 8260 Stars List Volatiles, and 8260 Stars List Volatiles soil. This data package contains results for 8260 Stars List Volatiles.

C. Analytical Techniques:
The analysis performed on instrument MSVOA D were done using GC column RTX624 which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #40924. The Trap was supplied by OI Analytical, OI #10 Trap, OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA K were done using GC column DB624, which is 20 meters, 0.18 ID, 1.0 df, J&W Cat. #1211324. The Trap was supplied by OI Analytical, OI #10 Trap, OI 4560 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for T5073-15MSD and MW-2(10-12).
The Internal Standards Areas met the acceptable requirements except for MW-2(10-12) and T5073-15MSD.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Toluene, Ethyl Benzene, m/p-Xylenes, sec-Butylbenzene, p-Isopropyltoluene, n-Butylbenzene and Naphthalene.
The MSD recoveries met the acceptable requirements except for Toluene, Ethyl Benzene, m/p-Xylenes, sec-Butylbenzene, p-Isopropyltoluene, n-Butylbenzene and Naphthalene.
The RPD recoveries met criteria except for Naphthalene.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: 10/21/05 Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5114 MATRIX: Water/Soil

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8260 and CLP.			✓
b.	System Performance Check Compounds for 8260 and CLP			✓

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
Vinyl chloride		

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries met the acceptable criteria except for T5073-15MSD and MW-2(10-12).

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

   The MS recoveries met the requirements for all compounds except for Toluene, Ethyl Benzene, m/p-Xylenes, sec-Butylbenzene, p-Isopropyltoluene, n-Butylbenzene and Naphthalene. The MSD recoveries met the acceptable requirements except for Toluene, Ethyl Benzene, m/p-Xylenes, sec-Butylbenzene, p-Isopropyltoluene, n-Butylbenzene and Naphthalene.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments: The Internal Standards Areas met the acceptable requirements except for MW-2(10-12) and T5073-15MSD.

10. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Carole Collins
QA REVIEW

10/21/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/6/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/7/2005
Client Sample ID:	MW-2(10-12)	**SDG No.:**	T5114
Lab Sample ID:	T5114-01	**Matrix:**	SOIL
Analytical Method:	8260	**% Moisture:**	15
Sample Wt/Wol:	5.0 Units: g	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VK101519.D	1	10/15/2005	VK101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.43	U	5.9	0.43	ug/Kg
71-43-2	Benzene	0.47	U	5.9	0.47	ug/Kg
108-88-3	Toluene	0.48	U	5.9	0.48	ug/Kg
100-41-4	Ethyl Benzene	0.42	U	5.9	0.42	ug/Kg
126777-61-2	m/p-Xylenes	1.0	U	5.9	1.0	ug/Kg
95-47-6	o-Xylene	0.45	U	5.9	0.45	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	5.9	0.49	ug/Kg
103-65-1	N-propylbenzene	0.63	U	5.9	0.63	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.58	U	5.9	0.58	ug/Kg
98-06-6	tert-Butylbenzene	0.84	U	5.9	0.84	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	92		5.9	0.45	ug/Kg
135-98-8	Sec-butylbenzene	0.49	U	5.9	0.49	ug/Kg
99-87-6	p-Isopropyltoluene	0.50	U	5.9	0.50	ug/Kg
104-51-8	n-Butylbenzene	16		5.9	0.40	ug/Kg
91-20-3	Naphthalene	36		5.9	0.69	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	0	0 %	75 - 125		SPK: 50
1868-53-7	Dibromofluoromethane	0	0 %	75 - 125		SPK: 50
2037-26-5	Toluene-d8	60.87	122 %	75 - 125		SPK: 50
460-00-4	4-Bromofluorobenzene	0	0 %	75 - 125		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	0	0.00			
540-36-3	1,4-Difluorobenzene	241	4.61			
3114-55-4	Chlorobenzene-d5	0	0.00			
3855-82-1	1,4-Dichlorobenzene-d4	522	9.56			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/6/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/7/2005
Client Sample ID:	TRIPBLANK10-6-05	**SDG No.:**	T5114
Lab Sample ID:	T5114-02	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101423.D	1	10/14/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.11	112 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.21	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.97	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.07	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	413572	4.09			
540-36-3	1,4-Difluorobenzene	754700	4.56			
3114-55-4	Chlorobenzene-d5	706708	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	332412	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Summary Sheet
SW-846

SDG No.: T5114 **Order ID:** T5114

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	MW-2(10-12)							
T5114-01	MW-2(10-12)	SOIL	1,2,4-Trimethylbenzene	92		5.9	0.45	ug/Kg
T5114-01	MW-2(10-12)	SOIL	n-Butylbenzene	16		5.9	0.40	ug/Kg
T5114-01	MW-2(10-12)	SOIL	Naphthalene	36		5.9	0.69	ug/Kg
			Total VOC's:	144.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	144.00				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

CHEMTECH

Lab Chronicle

Order ID:	T5114	Order Date:	10/7/2005 3:13:54 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	B11

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5114-01	**MW-2(10-12)**	**SOIL**			**10/06/05**			**10/07/05**
			VOC-STARS	8260			10/15/05	
T5114-01RE	**MW-2(10-12)RE**	**SOIL**			**10/06/05**			**10/07/05**
			VOC-STARS	8260			10/17/05	
T5114-02	**TRIPBLANK10-6-05**	**WATER**			**10/06/05**			**10/07/05**
			VOC-STARS	8260			10/14/05	

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # 05.5086
Chemtech Project # T5114

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/7/05.
1 Water sample was received on 10/7/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
Stars List Semi Volatiles, 8260 Stars List Volatiles, and 8260 Stars List Volatiles soil.
This data package contains results for Stars List Semi Volatiles.

C. Analytical Techniques:
The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ Name: Krupa Dubey

Date: _____ Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5114 MATRIX: Soil

METHOD: 8270

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8270 and CLP.			✓
b.	System Performance Check Compounds for 8270 and CLP			✓

8270 CALIBRATION CRITERIA

SPCC Compounds	MINRF	CCC Compounds	
		Base/Neutral Fraction	Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments:

10. Extraction Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

11. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Carole Collins
QA REVIEW

10/21/05
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/6/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/7/2005
Client Sample ID:	MW-2(10-12)	**SDG No.:**	T5114
Lab Sample ID:	T5114-01	**Matrix:**	SOIL
Analytical Method:	8270	**% Moisture:**	15
Sample Wt/Wol:	15.0 g	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE025925.D	1	10/10/2005	10/13/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	66	U	390	66	ug/Kg
83-32-9	Acenaphthene	69	U	390	69	ug/Kg
86-73-7	Fluorene	66	U	390	66	ug/Kg
85-01-8	Phenanthrene	62	U	390	62	ug/Kg
120-12-7	Anthracene	59	U	390	59	ug/Kg
206-44-0	Fluoranthene	58	U	390	58	ug/Kg
129-00-0	Pyrene	69	U	390	69	ug/Kg
56-55-3	Benzo(a)anthracene	54	U	390	54	ug/Kg
218-01-9	Chrysene	70	U	390	70	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	390	43	ug/Kg
207-08-9	Benzo(k)fluoranthene	85	U	390	85	ug/Kg
50-32-8	Benzo(a)pyrene	62	U	390	62	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	390	49	ug/Kg
53-70-3	Dibenz(a,h)anthracene	49	U	390	49	ug/Kg
191-24-2	Benzo(g,h,i)perylene	64	U	390	64	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	139.96	70 %	23 - 120		SPK: 20
321-60-8	2-Fluorobiphenyl	131.99	66 %	30 - 116		SPK: 20
1718-51-0	Terphenyl-d14	141.16	71 %	18 - 137		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221987	3.66			
1146-65-2	Naphthalene-d8	823610	4.44			
15067-26-2	Acenaphthene-d10	447071	5.54			
1517-22-2	Phenanthrene-d10	670758	6.49			
1719-03-5	Chrysene-d12	576295	8.45			
1520-96-3	Perylene-d12	647107	10.19			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T5114	Order Date:	10/7/2005 3:13:54 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	B11

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5114-01	MW-2(10-12)	SOIL			10/06/05			10/07/05
			SVOC-STARS	8270		10/10/05	10/13/05	

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

END OF ANALYTICAL RESULTS

C.4 Waste Characterization Soil Sample

CHEMTECH

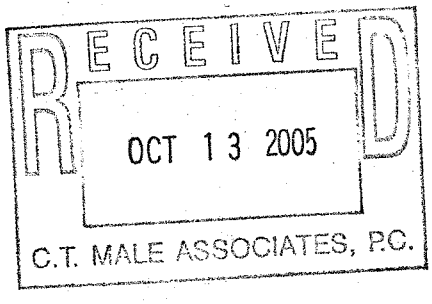
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T4905 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T4905-01	LANDFILLCHARACTERI



I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Releas of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 10/7/05 Title: _____

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T4905

COC Number 053158

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 786-7400 FAX: 786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway Schenectady, NY
PROJECT NO.: 05.5086 LOCATION: Schenectady
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 756-7400 FAX: 786-7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:
ADDRESS: Same
CITY: — STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 72 hour DAYS *
HARD COPY: ↓ DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- [X] RESULTS ONLY
- [ ] RESULTS + QC
- [ ] New Jersey REDUCED
- [ ] New Jersey CLP
- [ ] EDD FORMAT
- [ ] USEPA CLP
- [ ] New York State ASP "B"
- [ ] New York State ASP "A"
- [ ] Other

ANALYSIS

1 TCLP VOC
2 TCLP SVOC
3 TCLP Pesticides
4 TCLP Herbicides
5 TCLP Metals
6 Total PCB's
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Landfill Characterization	Soil	X		9/26/05	1550	3	X	X	X	X	X	X				
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Preservatives: E E E E E E

← Specify Preservatives
A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [illegible]	9/26/05 1830	1. Fed ex # 7066 5110 4713
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:20	RECEIVED FOR LAB BY:
3. FED-EX	9-27-05	3. [illegible]

Conditions of bottles or coolers at receipt: [X] Compliant [ ] Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: [ ] HAND DELIVERED [X] OVERNIGHT
CHEMTECH: [ ] PICKED UP [ ] OVERNIGHT

Shipment Complete: [X] YES [ ] NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "A" for Flame AA "PM" for ICP when Microwave Digestion is used "AM" for flame AA when Microwave Digestion is used "FM" for furnace AA when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi -Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed

QA REVIEW GENERAL DOCUMENTATION

Project #: T4905

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	√
Check chain-of-custody for proper relinquish/return of samples	√
Is the chain of custody signed and complete	√
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	√
Collect information for each project id from server. Were all requirements followed	√
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	√
Do lab numbers and client Ids on cover page agree with the Chain of Custody	√
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	√
Do requested analyses on Chain of Custody agree with the log-in page	√
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	√
Were the samples received within hold time	√
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	√

Non – Conformance /Comments:

1st Level QA Review Signature: Carole Collins Date: 10/7/05

2nd Level QA Review Signature: Kimpa Busby Date: 10/7/05

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	LANDFILLCHARACTERIZATION	**SDG No.:**	T4905
Lab Sample ID:	T4905-01	**Matrix:**	TCLP
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH092810.D	5	9/28/2005	VH092805

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-01-4	Vinyl chloride	1.6	U	25	1.6	ug/L
75-35-4	1,1-Dichloroethene	2.1	U	25	2.1	ug/L
78-93-3	2-Butanone	5.7	U	120	5.7	ug/L
56-23-5	Carbon Tetrachloride	5.7	U	25	5.7	ug/L
67-66-3	Chloroform	1.7	U	25	1.7	ug/L
71-43-2	Benzene	1.9	U	25	1.9	ug/L
107-06-2	1,2-Dichloroethane	1.7	U	25	1.7	ug/L
79-01-6	Trichloroethene	2.3	U	25	2.3	ug/L
127-18-4	Tetrachloroethene	2.4	U	25	2.4	ug/L
108-90-7	Chlorobenzene	2.3	U	25	2.3	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.07	90 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	45.14	90 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.49	93 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	42.82	86 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	332206	6.28			
540-36-3	1,4-Difluorobenzene	505130	6.93			
3114-55-4	Chlorobenzene-d5	425035	10.61			
3855-82-1	1,4-Dichlorobenzene-d4	195804	12.88			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	**LANDFILLCHARACTERIZATION**	**TCLP**			**09/26/05**			**09/27/05**
			TCLP VOA	8260			09/28/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	LANDFILLCHARACTERIZATION	**SDG No.:**	T4905
Lab Sample ID:	T4905-01	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	500.0 mL	**Extract Vol:**	500 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA021277.D	1	9/28/2005	9/29/2005	BA092305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
110-86-1	Pyridine	0.980	U	10	0.980	ug/L
106-46-7	1,4-Dichlorobenzene	1.2	U	10	1.2	ug/L
95-48-7	2-Methylphenol	1.5	U	10	1.5	ug/L
106-44-5	3+4-Methylphenols	1.3	U	10	1.3	ug/L
67-72-1	Hexachloroethane	1.2	U	10	1.2	ug/L
98-95-3	Nitrobenzene	1.6	U	10	1.6	ug/L
87-68-3	Hexachlorobutadiene	1.4	U	10	1.4	ug/L
95-95-4	2,4,5-Trichlorophenol	1.2	U	10	1.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.1	U	10	1.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.2	U	10	1.2	ug/L
118-74-1	Hexachlorobenzene	1.2	U	10	1.2	ug/L
87-86-5	Pentachlorophenol	1.6	U	10	1.6	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	215.5	72 %	21 - 100		SPK: 30
13127-88-3	Phenol-d5	242.43	81 %	10 - 94		SPK: 30
4165-60-0	Nitrobenzene-d5	150.57	75 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	142.42	71 %	43 - 116		SPK: 20
118-79-6	2,4,6-Tribromophenol	312.02	104 %	10 - 123		SPK: 30
1718-51-0	Terphenyl-d14	187.58	94 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84557	7.26			
1146-65-2	Naphthalene-d8	162094	9.65			
15067-26-2	Acenaphthene-d10	126164	13.13			
1517-22-2	Phenanthrene-d10	258074	16.11			
1719-03-5	Chrysene-d12	358029	21.43			
1520-96-3	Perylene-d12	435208	24.60			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	**LANDFILLCHARACTERIZATION**	**WATER**			**09/26/05**			**09/27/05**
			TCLP BNA	8270		09/28/05	09/29/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	LANDFILLCHARACTERIZATION	**SDG No.:**	T4905
Lab Sample ID:	T4905-01	**Matrix:**	SOIL
Analytical Method:	8082	**% Moisture:**	15
Sample Wt/Vol:	15 g	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
4PC6405.D	1	9/27/2005	9/29/2005	4PC092205

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	3.0	U	20	3.0	ug/Kg
11104-28-2	AROCLOR 1221	4.6	U	20	4.6	ug/Kg
11141-16-5	AROCLOR 1232	6.9	U	20	6.9	ug/Kg
53469-21-9	AROCLOR 1242	6.1	U	20	6.1	ug/Kg
12672-29-6	AROCLOR 1248	3.0	U	20	3.0	ug/Kg
11097-69-1	AROCLOR 1254	1.9	U	20	1.9	ug/Kg
11096-82-5	AROCLOR 1260	4.9	U	20	4.9	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.3	67 %	50 - 132		SPK: 20
2051-24-3	Decachlorobiphenyl	17.48	87 %	58 - 125		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	LANDFILLCHARACTERIZATION	SOIL			09/26/05			09/27/05
			PCB	8082		09/27/05	09/29/05	
			TCLP Herbicide	8151		09/28/05	09/29/05	
			TCLP Pesticide	8081		09/28/05	09/29/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	LANDFILLCHARACTERIZATION	**SDG No.:**	T4905
Lab Sample ID:	T4905-01	**Matrix:**	TCLP
Analytical Method:	8081	**% Moisture:**	100
Sample Wt/Vol:	500 mL	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
5PS2143.D	1	9/28/2005	9/29/2005	5PS092805

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.007100	U	0.050	0.0071	ug/L
76-44-8	Heptachlor	0.022690	U	0.050	0.0226	ug/L
1024-57-3	Heptachlor epoxide	0.012100	U	0.050	0.0121	ug/L
72-20-8	Endrin	0.006910	U	0.050	0.0069	ug/L
72-43-5	Methoxychlor	0.007150	U	0.050	0.0071	ug/L
8001-35-2	Toxaphene	0.090000	U	0.50	0.0900	ug/L
57-74-9	Chlordane	0.191400	U	0.50	0.1914	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.11	96 %	40 - 135		SPK: 20
877-09-8	Tetrachloro-m-xylene	16.42	82 %	40 - 135		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	LANDFILLCHARACTERIZATION	SOIL			09/26/05			09/27/05
			PCB	8082		09/27/05	09/29/05	
			TCLP Herbicide	8151		09/28/05	09/29/05	
			TCLP Pesticide	8081		09/28/05	09/29/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	9/26/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	9/27/2005
Client Sample ID:	LANDFILLCHARACTERIZATION	**SDG No.:**	T4905
Lab Sample ID:	T4905-01	**Matrix:**	TCLP
Analytical Method:	8151	**% Moisture:**	100
Sample Wt/Vol:	500 mL	**Extract Vol:**	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
3PS4861.D	1	9/28/2005	9/29/2005	3HB090805

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	0.045	U	0.10	0.045	ug/L
93-72-1	2,4,5-TP (Silvex)	0.025	U	0.10	0.025	ug/L
SURROGATES						
	2,4-DCAA	46.14	92 %	45 - 140		SPK: 50

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	LANDFILLCHARACTERIZATION	SOIL			09/26/05			09/27/05
			PCB	8082		09/27/05	09/29/05	
			TCLP Herbicide	8151		09/28/05	09/29/05	
			TCLP Pesticide	8081		09/28/05	09/29/05	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**9/26/2005**
Project:	**714 Broadway, city of S**	**Date Received:**	**9/27/2005**
Client Sample ID:	**LANDFILLCHARACTERIZATION**	**SDG No.:**	**T4905**
Lab Sample ID:	**T4905-01**	**Matrix:**	**TCLP**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	33.2	U	ug/L	33.2	1	9/28/2005	9/29/2005	EPA SW-846 6010
7440-39-3	Barium	437	J	ug/L	7.2	1	9/28/2005	9/29/2005	EPA SW-846 6010
7440-43-9	Cadmium	3.3	U	ug/L	3.3	1	9/28/2005	9/29/2005	EPA SW-846 6010
7440-47-3	Chromium	17.8	J	ug/L	3.4	1	9/28/2005	9/29/2005	EPA SW-846 6010
7439-92-1	Lead	59.1	J	ug/L	28.2	1	9/28/2005	9/29/2005	EPA SW-846 6010
7439-97-6	Mercury	0.330	U	ug/L	0.330	1	9/29/2005	9/30/2005	EPA SW-846 7471
7782-49-2	Selenium	30.4	U	ug/L	30.4	1	9/28/2005	9/29/2005	EPA SW-846 6010
7440-22-4	Silver	16.4	U	ug/L	16.4	1	9/28/2005	9/29/2005	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Hit Summary Sheet
SW-846

SDG No.: T4905 **Order ID:** T4905

Client: C.T. Male & Associates **Project ID:** 714 Broadway, city of Schenectady

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	LANDFILLCHARACTERIZATION							
T4905-01	LANDFILLCHARA	TCLP	Barium	437	J	2000	7.2	ug/L
T4905-01	LANDFILLCHARA	TCLP	Chromium	17.8	J	100	3.4	ug/L
T4905-01	LANDFILLCHARA	TCLP	Lead	59.1	J	100	28.2	ug/L

CHEMTECH

Lab Chronicle

Order ID:	T4905	Order Date:	9/27/2005 10:09:06 AM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	K53

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T4905-01	**LANDFILLCHARACTERIZATION**	**TCLP**			**09/26/05**			**09/27/05**
			TCLP ICP Metals	6010		09/28/05	09/29/05	
			TCLP Mercury	7471		09/29/05	09/30/05	

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900

END OF ANALYTICAL RESULTS

APPENDIX D

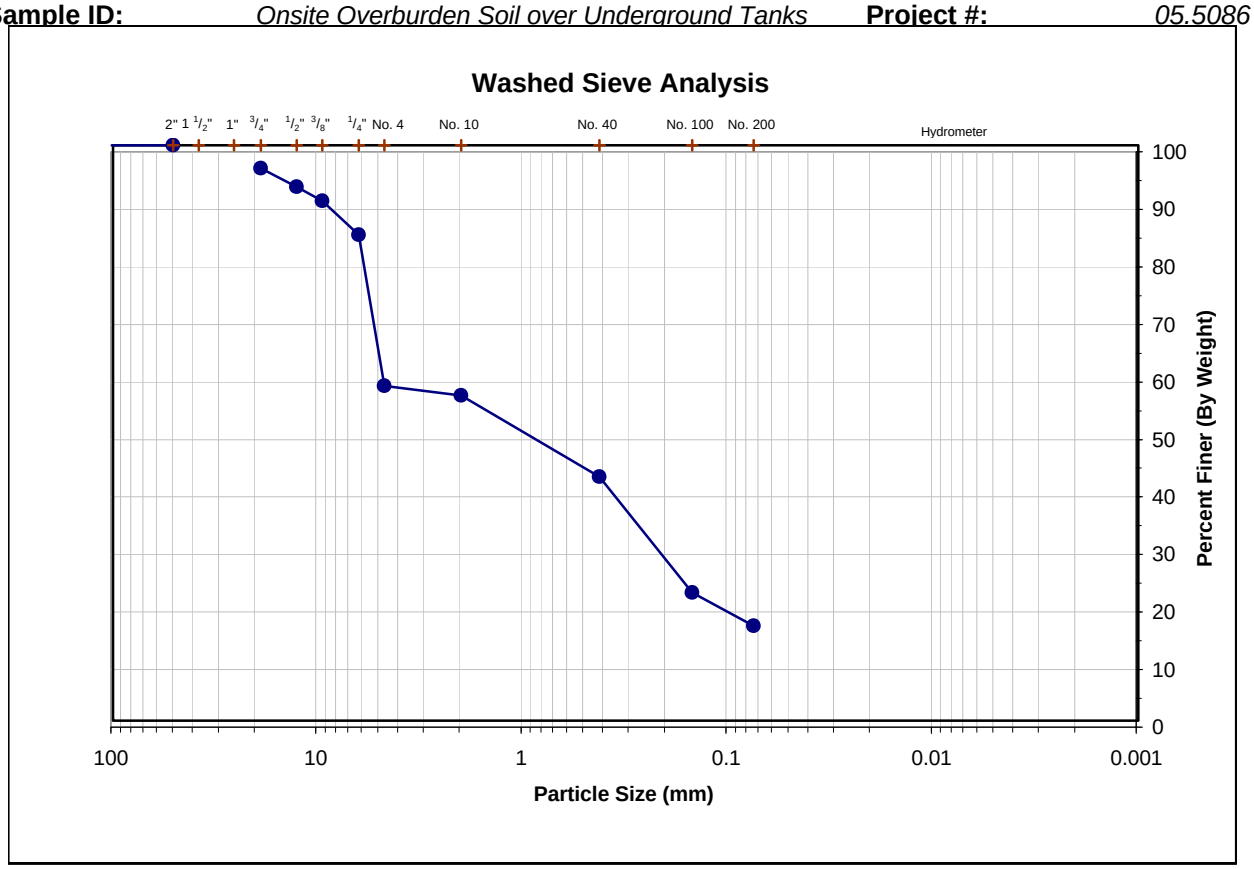
STANDARD PROCTOR TEST AND GRADATION ANALYSIS LABORATORY ANALYSIS REPORTS

C.T. Male Associates, P.C.

Sieve Analysis

Geotechnical Engineering Laboratory

Project:	*714 Broadway*	**Date Sampled:**	*23-Sep-05*
Location:	*Schenectady, Schenectady County, New York*	**Date Tested:**	*27-Sep-05*
Client:		**Lab #:**	*5-031*
Sample ID:	*Onsite Overburden Soil over Underground Tanks*	**Project #:**	*05.5086*



Sieve No.	Diameter (mm)	% Passing
6"	152.4	
4"	101.6	100.0
2"	50.8	100.0
1 1/2"	38.1	
1"	25.7	
3/4"	19.0	96.0
1/2"	12.7	92.8
3/8"	9.51	90.3
1/4"	6.35	84.4
No. 4	4.76	58.2
No. 10	2.00	56.5
No. 40	0.425	42.4
No. 100	0.150	22.3
No. 200	0.075	16.5

Brown SAND and GRAVEL, trace silt

Laboratory Compaction Characteristics of Soil
Standard Proctor Test

Sample Location	Overburden Soil over Underground Storage Tanks from Site (714 Broadway)		
Sample Description:	Brown SAND and GRAVEL, trace silt (Lab #5-031)		
Natural Moisture:	14.8%	RAMMER TYPE	Manual

Procedure: ASTM D 698-91 Standard Proctor B

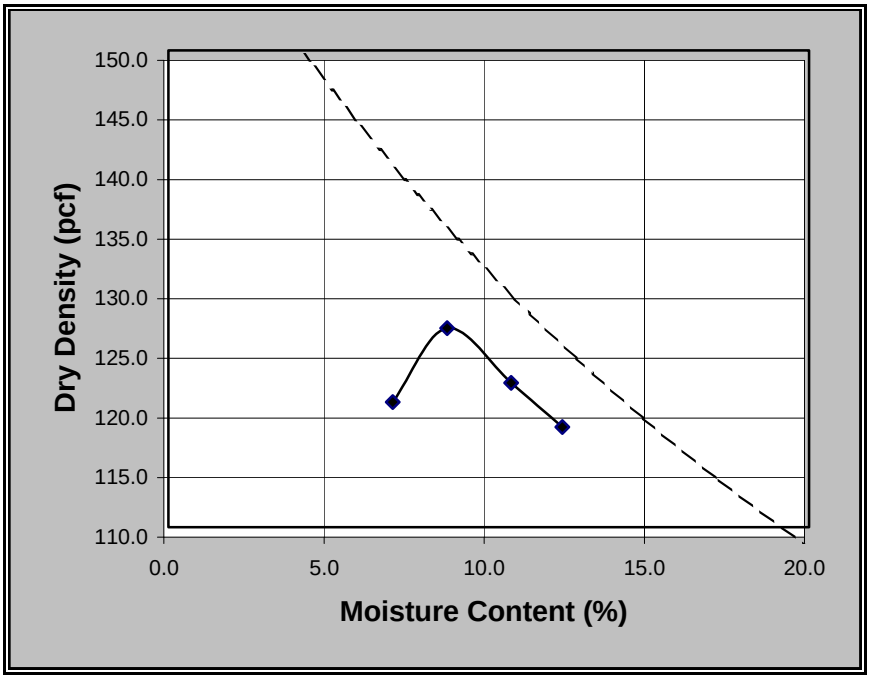
Maximum Dry Density = **126.5 pcf**

Optimum Moisture % = **8.5%**

*Correction ASTM D 4718

Specific Gravity (est.): 2.70

SIEVE SIZE		**% PASSING**
(ASTM D 422: Sieve Analysis)		
2"	=	100.0%
3/4"	=	96.0%
3/8"	=	90.3%
No. 4	=	58.2%



Moisture %	**7.0**	**8.7**	**10.7**	**12.3**	
Unit Weight pcf	120.5	126.7	122.1	118.4	

PROJECT: 714 Broadway
Schenectady, Schenectady County, New York

CLIENT:

PROJECT No.: 05.5086

DATE Sampled: September 23, 2005

DATE Tested: September 27, 2005

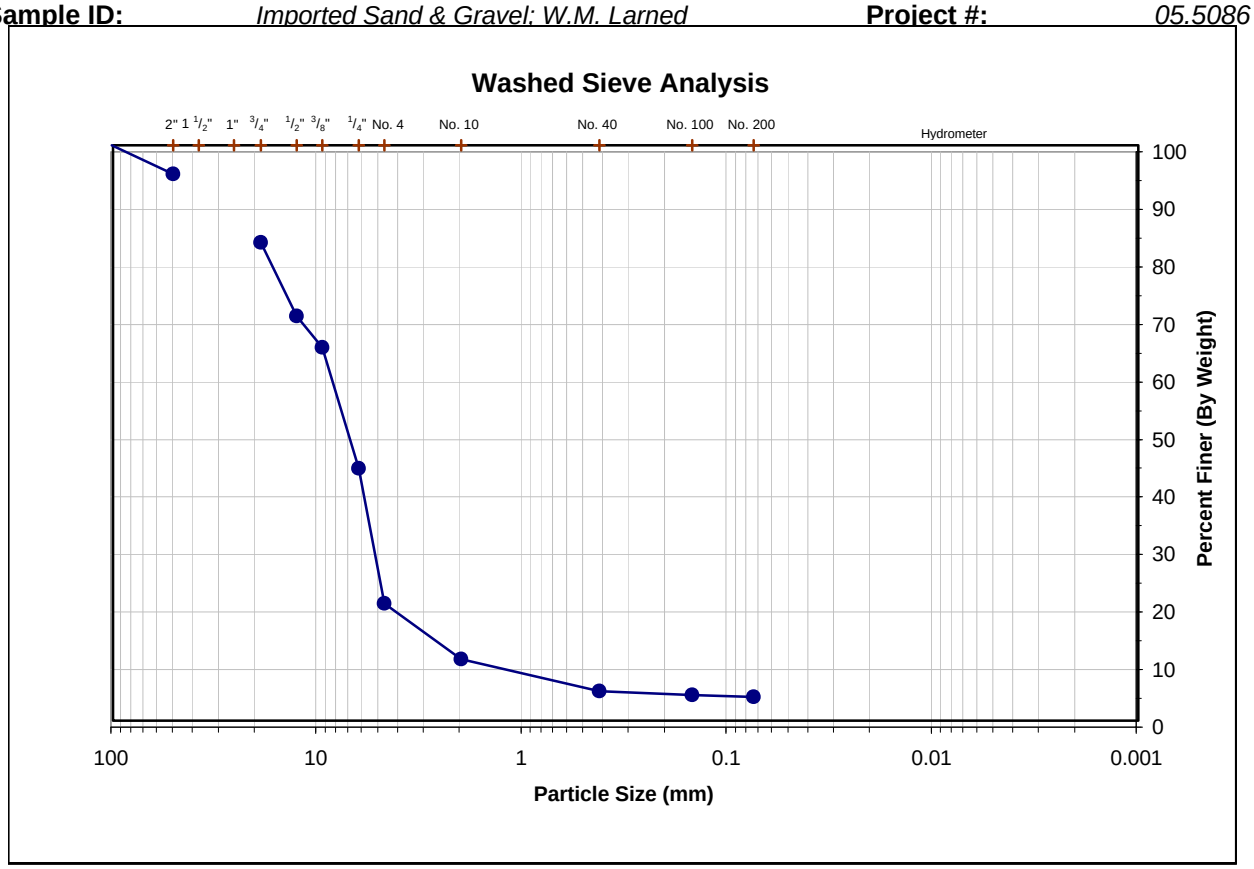
C.T. Male Associates, P.C.
50 Century Hill Drive
Latham, New York
(518) 786-7400
On the Web at::
www.ctmale.com

C.T. Male Associates, P.C.

Sieve Analysis

Geotechnical Engineering Laboratory

Project:	*714 Broadway*	**Date Sampled:**	*23-Sep-05*
Location:	*Schenectady, Schenectady County, New York*	**Date Tested:**	*26-Sep-05*
Client:		**Lab #:**	*5-030*
Sample ID:	*Imported Sand & Gravel; W.M. Larned*	**Project #:**	*05.5086*



Sieve No.	Diameter (mm)	% Passing
6"	152.4	
4"	101.6	100.0
2"	50.8	95.0
1 1/2"	38.1	
1"	25.7	
3/4"	19.0	83.0
1/2"	12.7	70.3
3/8"	9.51	64.8
1/4"	6.35	43.9
No. 4	4.76	20.3
No. 10	2.00	10.7
No. 40	0.425	5.2
No. 100	0.150	4.5
No. 200	0.075	4.1

Fine GRAVEL, trace to Some m-c Sand, trace silt

Laboratory Compaction Characteristics of Soil
Standard Proctor Test

Sample Location	Imported Sand & Gravel (W.M. Larned)		
Sample Description:	Fine GRAVEL, trace to Some m-c Sand, trace silt		(Lab #5-030)
Natural Moisture:	9.6%	RAMMER TYPE	Manual

Procedure: ASTM D 698-91 Standard Proctor C

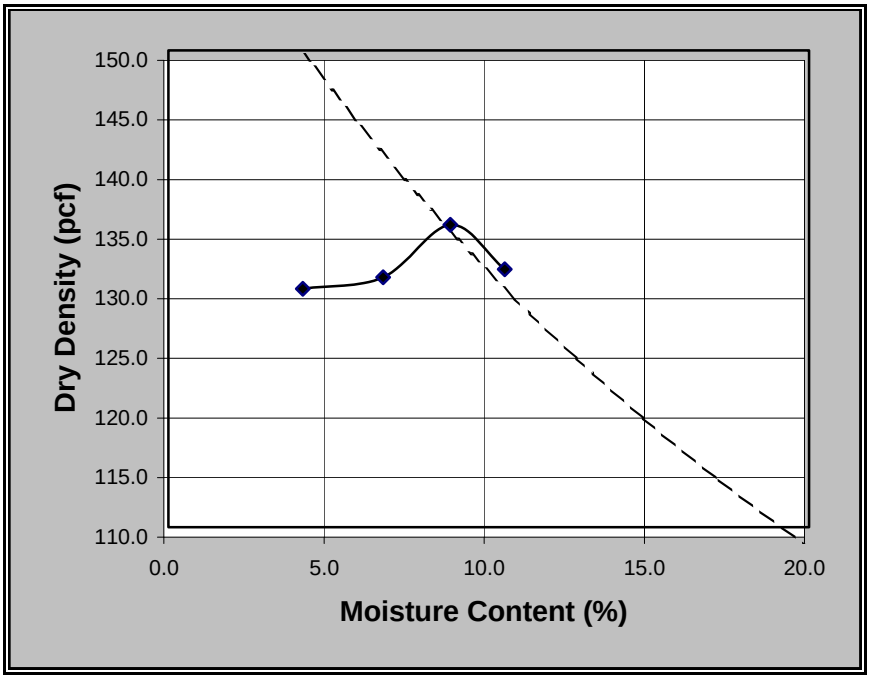
Maximum Dry Density = **135.5 pcf**

Optimum Moisture % = **9.0%**

*Correction ASTM D 4718

Specific Gravity (est.): 2.70

SIEVE SIZE		**% PASSING**
(ASTM D 422: Sieve Analysis)		
2"	=	95.0%
3/4"	=	83.0%
3/8"	=	64.8%
No. 4	=	20.3%



Moisture %	**4.2**	**6.7**	**8.8**	**10.5**	
Unit Weight pcf	130.0	131.0	135.4	131.6	

PROJECT: 714 Broadway
Schenectady, Schenectady County, New York

CLIENT:

PROJECT No.: 05.5086

DATE Sampled: September 23, 2005

DATE Tested: September 26, 2005

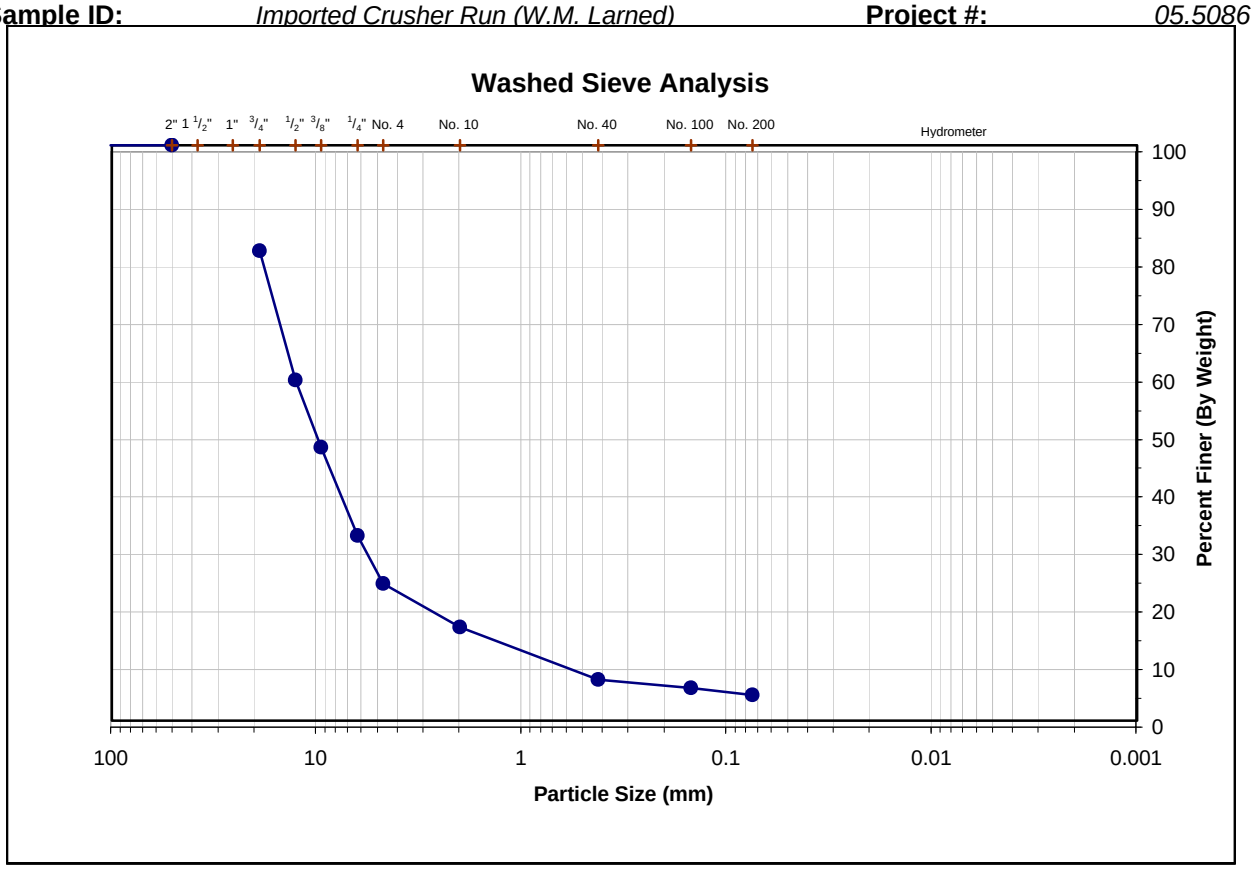
C.T. Male Associates, P.C.
50 Century Hill Drive
Latham, New York
(518) 786-7400
On the Web at::
www.ctmale.com

C.T. Male Associates, P.C.

Sieve Analysis

Geotechnical Engineering Laboratory

Project:	*714 Broadway*	**Date Sampled:**	*04-Oct-05*
Location:	*Schenectady, Schenectady County, New York*	**Date Tested:**	*07-Oct-05*
Client:	*City of Schenectady*	**Lab #:**	*5-032*
Sample ID:	*Imported Crusher Run (W.M. Larned)*	**Project #:**	*05.5086*



Sieve No.	Diameter (mm)	% Passing
6"	152.4	
4"	101.6	100.0
2"	50.8	100.0
1 1/2"	38.1	
1"	25.7	
3/4"	19.0	81.7
1/2"	12.7	59.2
3/8"	9.51	47.5
1/4"	6.35	32.1
No. 4	4.76	23.8
No. 10	2.00	16.2
No. 40	0.425	7.1
No. 100	0.150	5.7
No. 200	0.075	4.5

Crusher Run;Gray crushed STONE some Sand, trace silt

Laboratory Compaction Characteristics of Soil
Standard Proctor Test

Sample Location	Imported Crusher Run (W.M. Larned)		
Sample Description:	Crusher Run;Gray crushed Stone some Sand, trace silt		(Lab #5-032)
Natural Moisture:	4.8%	RAMMER TYPE	Manual

Procedure: ASTM D 698-91 Standard Proctor C

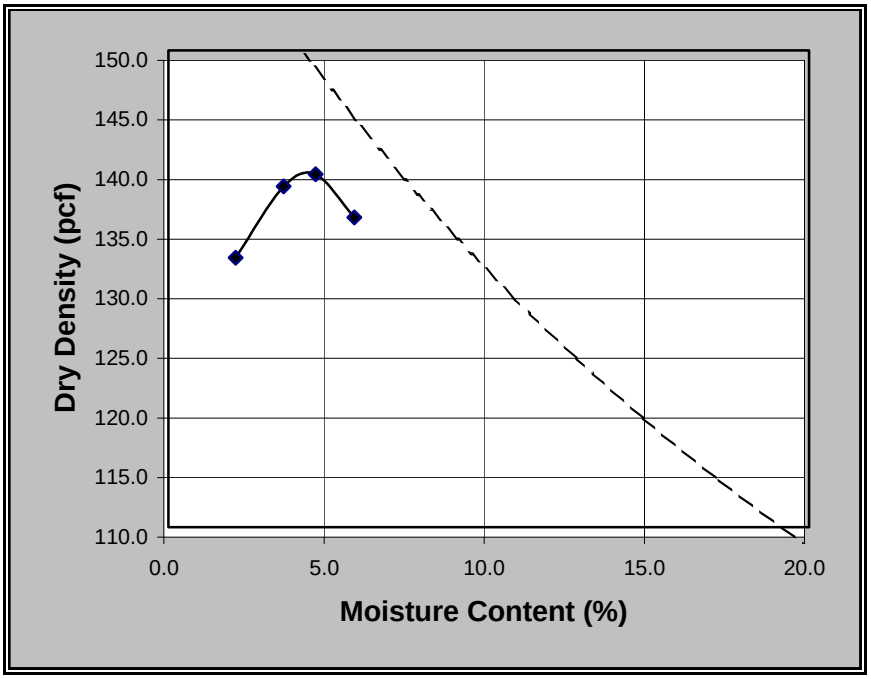
Maximum Dry Density = **139.5 pcf**

Optimum Moisture % = **4.5%**

*Correction ASTM D 4718

Specific Gravity (est.): 2.70

SIEVE SIZE		**% PASSING**
(ASTM D 422: Sieve Analysis)		
2"	=	100.0%
3/4"	=	81.7%
3/8"	=	47.5%
No. 4	=	23.8%



Moisture %	2.1	3.6	4.6	5.8	
Unit Weight pcf	132.6	138.6	139.6	136.0	

PROJECT: 714 Broadway
Schenectady, Schenectady County, New York

CLIENT: City of Schenectady

PROJECT No.: 05.5086

DATE Sampled: October 4, 2005

DATE Tested: October 7, 2005

C.T. Male Associates, P.C.

50 Century Hill Drive
Latham, New York
(518) 786-7400
On the Web at::
www.ctmale.com

APPENDIX E

GROUNDWATER INVESTIGATION FIELD LOGS

E.1 Geoprobe Subsurface Exploration Logs
E.2 Organic Vapor Headspace Analysis Logs
E.3 Monitoring Well Construction Logs
E.4 Groundwater Services Field Logs

E.1 Subsurface Exploration Logs

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG

BORING NO.: MW-1
ELEV.: **DATUM:**
START DATE: 10/6/05 **FINISH DATE: 10/6/05**
SHEET 1 OF 1

PROJECT: 714 Broadway IRM - Groundwater Investigation — CTM PROJECT NO.: 05.5086

LOCATION: 714 Broadway, Schenectady, NY — CTM OBSERVER: Nate Freeman

DEPTH (FT.)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	1.5	0.4' CONCRETE	
				FILL: Brown fine to coarse SAND and SILT, trace coarse gravel, trace red brick	
4					
		2	1.6	FILL: Brown fine to coarse SAND, little gravel, little red brick (Moist)	
8					
		3	3.0	10'	
				Gray fine SAND and SILT (Wet)	
12					
		4	4.0	Gray fine to coarse SAND, Some Silt (Wet)	
				15.5'	
16				Gray SILT, trace fine sand	
				End of Boring @ 16'	Monitoring well installed. Steel casing driven to 16' to install we due to heaving sands. See Monitoring Well Construction Log for MW-1.
20					
24					
28					

DRILLING CONTRACTOR: ADT, Inc. — GEOPROBE TYPE: Van-Mounted Model 5400

METHOD OF SAMPLING: 2" x 4' Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: NF

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG

BORING NO.: MW-2
ELEV.: **DATUM:**
START DATE: 10/6/05 **FINISH DATE: 10/6/05**
SHEET 1 OF 1

PROJECT: 714 Broadway IRM - Groundwater Investigation
CTM PROJECT NO.: 05.5086
LOCATION: 714 Broadway, Schenectady, NY
CTM OBSERVER: Nate Freeman

DEPTH (FT.)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	2.3	0.6' CRUSHED GRAVEL SUBBASE	
				FILL: Brown fine SAND and SILT, Some Gravel	
4					
		2	3.1		
8					Very moist at ± 7'
		3	3.0	FILL: Brown fine to coarse SAND and GRAVEL, trace silt	
					Wet at ± 10'
12				12'	
		4	4.0	Gray fine SAND and SILT (Wet)	Two 2" pockets of heavy stained /
				14'	petroleum odor soil at 12'-13'.
				Gray SILT	
16					
				End of Boring @ 16'	Monitoring well installed.
					Steel casing driven to 16' to install well
20					due to heaving sands. See Monitoring
					Well Construction Log for MW-2.
24					
28					

DRILLING CONTRACTOR: ADT, Inc. GEOPROBE TYPE: Van-Mounted Model 5400
METHOD OF SAMPLING: 2" x 4' Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: NF

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG

a

BORING NO.: MW-3
ELEV.: **DATUM:**
START DATE: 10/6/05 **FINISH DATE: 10/6/05**
SHEET 1 OF 1

PROJECT: 714 Broadway IRM - Groundwater Investigation — CTM PROJECT NO.: 05.5086

LOCATION: 714 Broadway, Schenectady, NY — CTM OBSERVER: Nate Freeman

DEPTH (FT.)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
4		1	2.8	FILL: Brown fine to coarse SAND, Some Gravel, trace brown silt, trace red brick (Moist)	
8		2	3	Brown fine to coarse SAND, Some Silt, Some Gravel	Wet at ± 7.5'
12		3	3.5	Gray fine to coarse SAND, Some Silt (Wet)	
15		4	3.5		
16				End of Boring @ 15'	Monitoring well installed. See Monitoring Well Construction Log for MW-3.
20					
24					
28					

DRILLING CONTRACTOR: ADT, Inc. — GEOPROBE TYPE: Van-Mounted Model 5400

METHOD OF SAMPLING: 2" x 4' Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: NF

C.T. MALE ASSOCIATES, P.C.

GEOPROBE SUBSURFACE EXPLORATION LOG

a

BORING NO.: MW-4
ELEV.: **DATUM:**
START DATE:10/6/05 **FINISH DATE: 10/6/05**
SHEET 1 OF 1

PROJECT: 714 Broadway IRM - Groundwater Investigation | CTM PROJECT NO.: 05.5086

LOCATION: 714 Broadway, Schenectady, NY | CTM OBSERVER: Nate Freeman

DEPTH (FT.)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
		1	2.2	0.4' CONCRETE, Then 0.2' CRUSHED GRAVEL SUBBASE	0.6'
4				Brown fine to coarse SAND, Some Silt (Moist)	
		2	2.6		
8					Wet at ± 7.5'
		3	4.0	10'	
12				Gray SILT and fine SAND (Wet) 12'	
		4	4.0	Brown fine to coarse SAND (possible cave in) 15'	
16				Gray SILT and fine SAND	
				End of Boring @ 16'	
20					Monitoring well installed. See Monitoring Well Construction Log for MW-4.
24					
28					

DRILLING CONTRACTOR: ADT, Inc. GEOPROBE TYPE: Van-Mounted Model 5400
METHOD OF SAMPLING: 2" x 4' Macro-Core Sampler with Acetate Liner

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: NF

E.2 Organic Vapor Headspace Analysis Logs

a

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT: 714 Broadway IRM - Groundwater Investigation	PROJECT #: 05.5086	PAGE 1 OF 2
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/06/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/06/05 (Prior to use) BY: NF		ANAYLZED: 10/06/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
MW-1	1	0-4***	Soil	0.8	0.6	No odor / No staining
	2	4-8***	Soil	0.8	0.6	No odor / No staining
	3	8-10	Soil	2.2	0.6	Slight petroleum odor / No staining
	3	10-12	Soil	3.6	0.7	Slight petroleum odor / No staining
	4	12-14	Soil	1.1	0.9	No odor / No staining
	4	14-16	Soil	0.8	0.7	No odor / No staining
MW-2	1	0-4***	Soil	0.9	0.8	No odor / No staining
	2	4-6	Soil	1.8	1.0	No odor / No staining
	2	6-8	Soil	3.2	1.0	No odor / No staining
	3	8-10	Soil	233	1.0	Petroleum odor / No staining
	3	10-12	Soil	723	1.0	Petroleum odor / No staining
	4	12-14	Soil	523	1.0	Petroleum odor / Petroleum stained
	4	14-16	Soil	1.2	1.0	No odor / No staining
MW-3	1	0-2	Soil	1.2	1.0	No odor / No staining
	1	2-4	Soil	1.2	1.0	No odor / No staining
	2	4-6	Soil	1.3	1.0	No odor / No staining
	2	6-8	Soil	1.4	1.0	No odor / No staining

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected.

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

a

PROJECT: 714 Broadway IRM - Groundwater Investigation	PROJECT #: 05.5086	PAGE 2 0F 2
CLIENT: City of Schenectady		DATE
LOCATION: 714 Broadway, Schenectady, NY		COLLECTED: 10/06/05
INSTRUMENT USED: MiniRAE 2000 LAMP 10.6 EV		DATE
DATE INSTRUMENT CALIBRATED: 10/06/05 (Prior to use)	BY: NF	ANAYLZED: 10/06/05
TEMPERATURE OF SOIL: Ambient		ANALYST: Nate Freeman

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
MW-3 (cont.)	3	8-10	Soil	3.4	0.9	Slight petroleum odor / No staining
	3	10-12	Soil	4.2	0.9	No odor / No staining
	4	12-14	Soil	2.3	0.9	No odor / No staining
	4	14-15	Soil	1.5	0.9	No odor / No staining
MW-4	1	0-4***	Soil	1.2	1.0	No odor / No staining
	2	4-6	Soil	1.2	0.8	No odor / No staining
	2	6-8	Soil	1.3	0.8	No odor / No staining
	3	8-10	Soil	1.1	0.8	No odor / No staining
	3	10-12	Soil	1.5	1.1	No odor / No staining
	4	12-14	Soil	1.4	1.3	No odor / No staining
	4	14-16	Soil	1.7	1.4	No odor / No staining

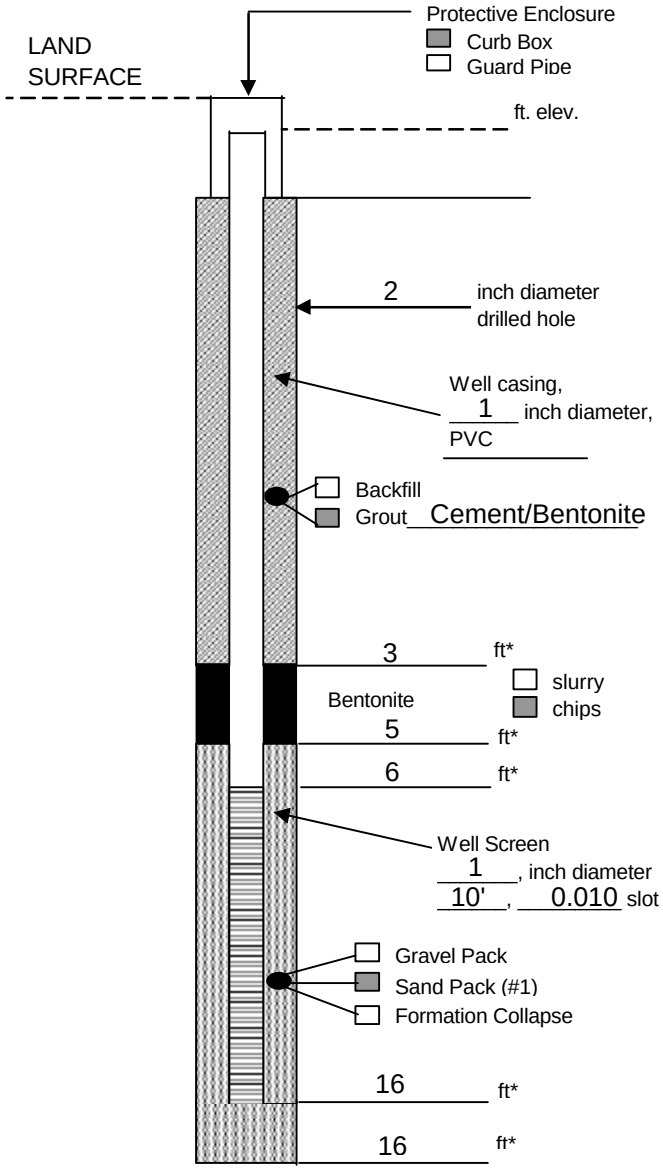
*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected.

E.3 Monitoring Well Construction Logs

Well No. MW-1

MONITOR WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES, P.C.



* Depth below land surface.

Project Number 05.5086

Project Name 714 Broadway IRM - Groundwater Investigation

Well No. MW-1 Boring No. MW-1

Town/City Schenectady

County Schenectady State New York

Installation Date(s) 10/06/05

Drilling Contractor ADT, Inc.

Drilling Method Van-Mounted Geoprobe Model 5400
2" x 4' Macro-Core Sampler, Steel Casing

Water Depth From Top of Riser _____ ft _____ Date

Drilling Inspector Present Nate Freeman

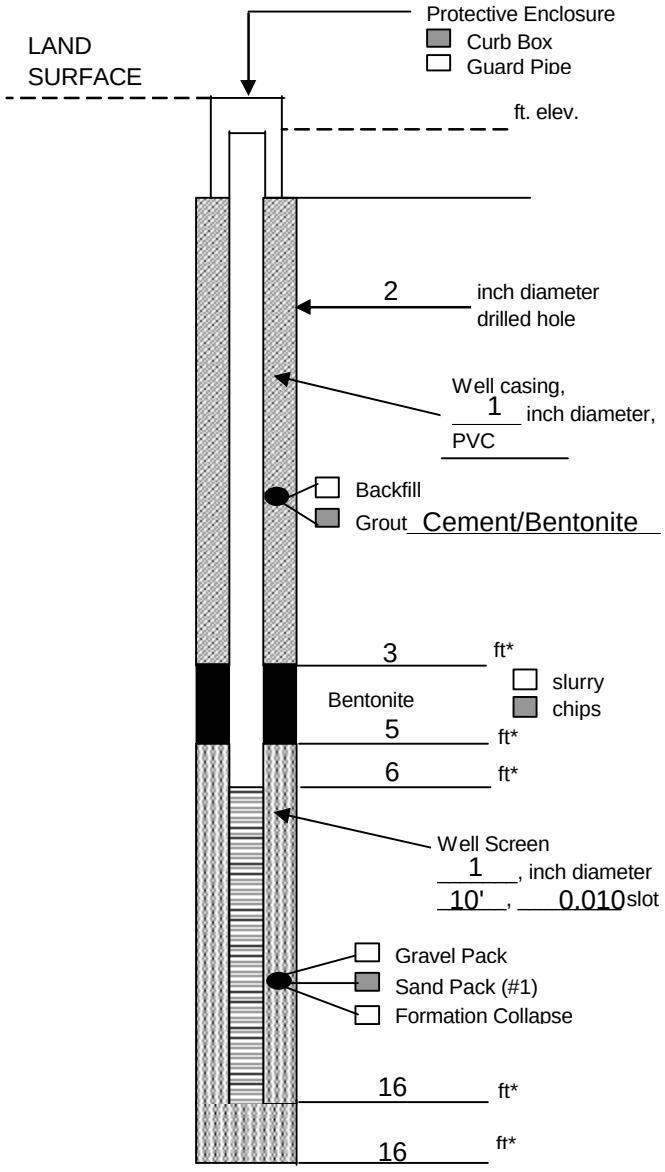
Notes:
Macro-Core Sampler to 16'
Steel casing driven to 16' to install well

Well Materials:
10' Schedule 40 PVC well screen (0.010 slot)
6' Schedule 40 PVC riser
1 Push-on well cap
1 End cap
#1 Silica Quartz Sand - 0.125 bag(s) (100 lbs each)
Cetco Bentonite Chips - 0.10 bag(s) (50 lbs each)
1.5 Gallons of water to hydrate bentonite chips
Portland Type I/II Cement - 0.05 bag(s) (94 lbs each)
Cetco Bentonite Powder - 0.04 bag(s) (50 lbs each)
1 Gallon of water for grout
Quikrete Concrete Mix - 0.5 bag(s) (80 lbs each)
Water for concrete
1 Steel curb box

Well No. MW-2

MONITOR WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES, P.C.



* Depth below land surface.

Project Number 05.5086

Project Name 714 Broadway IRM - Groundwater Investigation

Well No. MW-2 Boring No. MW-2

Town/City Schenectady

County Schenectady State New York

Installation Date(s) 10/6/05

Drilling Contractor ADT, Inc.

Drilling Method Van-Mounted Geoprobe Model 5400
2" x 4' Macro-Core Sampler, Steel Casing

Water Depth From Top of Riser _____ ft _____
Date

Drilling Inspector Present Nate Freeman

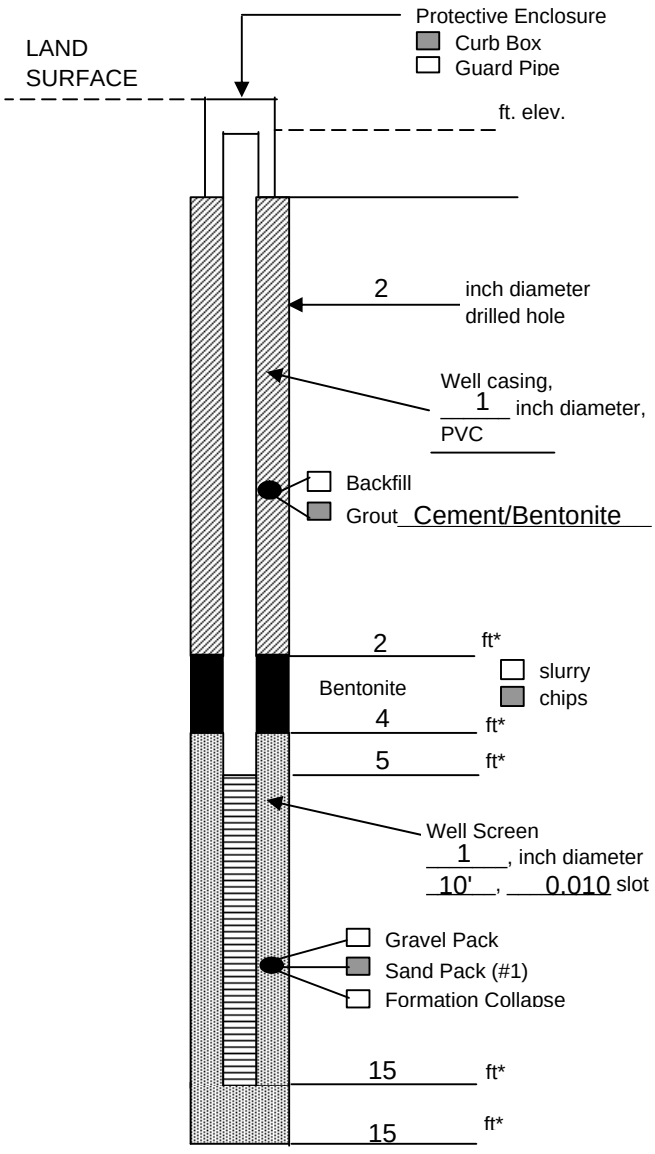
Notes:
Macro-Core Sampler to 16'
Steel casing driven to 16' to install well

Well Materials:
10' Schedule 40 PVC well screen (0.010 slot)
6' Schedule 40 PVC riser
1 Push-on well cap
1 End cap
#1 Silica Quartz Sand - 0.125 bag(s) (100 lbs each)
Cetco Bentonite Chips - 0.10 bag(s) (50 lbs each)
1.5 Gallons water to hydrate bentonite chips
Portland Type I/II Cement - 0.05 bag(s) (94 lbs each)
Cetco Bentonite Powder - 0.04 bag(s) (50 lbs each)
1 Gallon water for grout
Quikrete Concrete Mix - 0.5 bag(s) (80 lbs each)
Water for concrete
1 Steel curb box

Well No. MW-3

MONITOR WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES, P.C.



* Depth below land surface.

Project Number 05.5086

Project Name 714 Broadway IRM - Groundwater Investigation

Well No. MW-3 Boring No. MW-3

Town/City Schenectady

County Schenectady State New York

Installation Date(s) 10/6/05

Drilling Contractor ADT, Inc.

Drilling Method Van-Mounted Geoprobe Model 5400
2" x 4' Macro-Core Sampler

Water Depth From Top of Riser _____ ft _____
Date

Drilling Inspector Present Nate Freeman

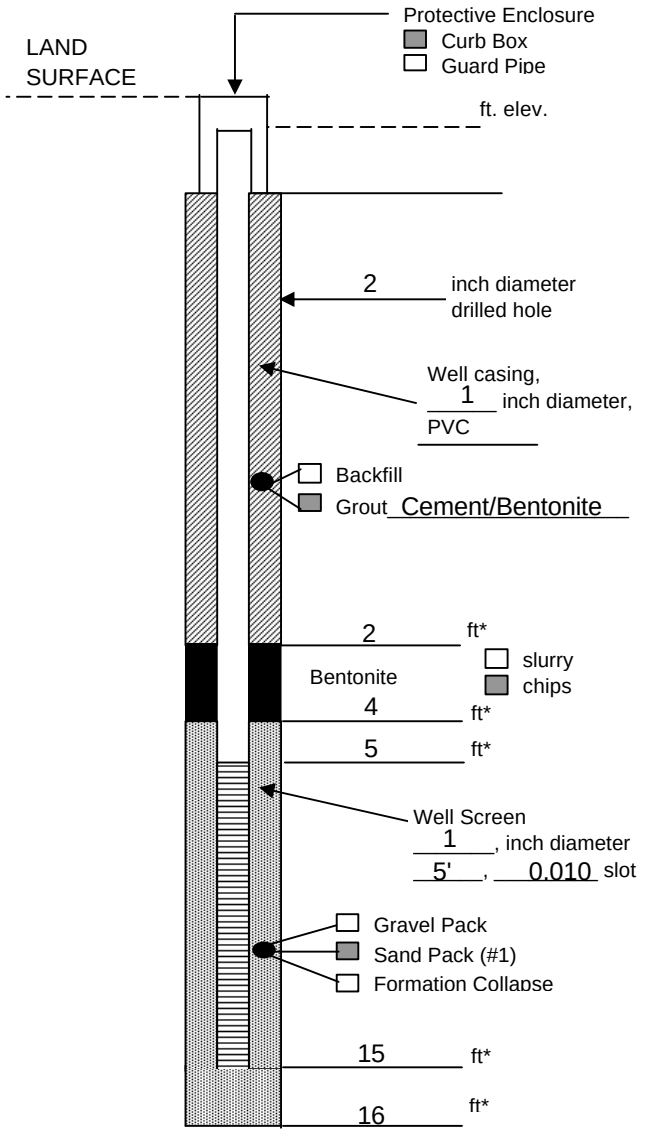
Notes:
Macro-Core Sampler to 15'

Well Materials:
10' Schedule 40 PVC well screen (0.010 slot)
5' Schedule 40 PVC riser
1 Push-on well cap
1 End cap
#1 Silica Quartz Sand - 0.125 bag(s) (100 lbs each)
Cetco Bentonite Chips - 0.10 bag(s) (50 lbs each)
1.5 Gallons water to hydrate bentonite chips
Portland Type I/II Cement - 0.05 bag(s) (94 lbs each)
Cetco Bentonite Powder - 0.04 bag(s) (50 lbs each)
1 Gallon water for grout
Quikrete Concrete Mix - 0.5 bag(s) (80 lbs each)
Water for concrete
1 Steel curb box

Well No. MW-4

MONITOR WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES, P.C.



* Depth below land surface.

Project Number 05.5086

Project Name 714 Broadway IRM - Groundwater Investigation

Well No. MW-4 Boring No. MW-4

Town/City Schenectady

County Schenectady State New York

Installation Date(s) 10/6/05

Drilling Contractor ADT, Inc.

Drilling Method Van-Mounted Geoprobe Model 5400
2" x 4' Macro-Core Sampler

Water Depth From Top of Riser _____ ft _____ Date

Drilling Inspector Present Nate Freeman

Notes:

Macro-Core Sampler to 16'
#1 Silica Quartz Sand from 15'-16'

Well Materials:

10' Schedule 40 PVC well screen (0.010 slot)
5' Schedule 40 PVC riser
1 Push-on well cap
1 End cap
#1 Silica Quartz Sand - 0.125 bag(s) (100 lbs each)
Cetco Bentonite Chips - 0.10 bag(s) (50 lbs each)
1.5 Gallons water to hydrate bentonite chips
Portland Type I/II Cement - 0.05 bag(s) (94 lbs each)
Cetco Bentonite Powder - 0.04 bag(s) (50 lbs each)
1 Gallon water for grout
Quikrete Concrete Mix - 0.5 bag(s) (80 lbs each)
Water for concrete
1 Steel curb box

E.4 Groundwater Services Field Logs

Groundwater Services Field Log

DATE: 10/12/05 PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 PROJECT LOCATION: Schenectady, N

SAMPLING PERSONNEL: Megan Drosky

MONITORING WELL ID#: MW-1 NOTES TAKEN BY: MD

DEPTH TO WATER: 7.81' FROM: TOC BAILER ID: —

DEPTH TO BOTTOM: 15.09' FROM: TOC BAILER: LAB CLEANED / FIELD CLEANED

WATER COLUMN HEIGHT: 7.28' BAILER: STAINLESS STEEL

OTHER NEW DISPOSABLE

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS

(1") = 0.041 GALLONS	3" = 0.38 GALLONS
1.25" = 0.064 GALLONS	4" = 0.66 GALLONS
2" = 0.16 GALLONS	6" = 1.47 GALLONS

WELL VOLUME: ~~7.28~~ MD 10/12 0.29 GALLONS

VOLUMES PURGED: 1.5 GALLONS PURGE METHOD: low flow

TIME STARTED: 0945 ; TIME FINISHED: 1014

OBSERVATIONS: COLOR None ; ODOR None

SHEEN None ; TURBIDITY 0.8 NTU

OTHER

WATER RECOVERY HEIGHT: 7.95' TOC ; RECOVERY TIME IN MINUTES: —

FIELD PARAMETERS: pH 6.76 SU , TEMPERATURE 18.7 °C

CONDUCTIVITY 1322 u/S ~~UMHO/CM;~~ OTHER

SAMPLE COLLECTION TIME: 1014

NOTES: Extra volumes for MS/MSD collected here

Groundwater Services Field Log

DATE: 10/12/05 PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 PROJECT LOCATION: Schenectady, NY

SAMPLING PERSONNEL: Megan Prosky

MONITORING WELL ID#: MW-2 NOTES TAKEN BY: MD

DEPTH TO WATER: 6.91' FROM: TOC BAILER ID: —

DEPTH TO BOTTOM: 15.48' FROM: TOC BAILER: LAB CLEANED / FIELD CLEANED

WATER COLUMN HEIGHT: 8.58' BAILER: STAINLESS STEEL

OTHER New DISPOSABLE

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS	3" = 0.38 GALLONS
1.25" = 0.064 GALLONS	4" = 0.66 GALLONS
2" = 0.16 GALLONS	6" = 1.47 GALLONS

WELL CASING DIAMETER

WELL VOLUME: 0.34 GALLONS

VOLUMES PURGED: 1.5 GALLONS PURGE METHOD: Low Flow

TIME STARTED: 1115 ; TIME FINISHED: 1133

OBSERVATIONS: COLOR None ; ODOR None

SHEEN None ; TURBIDITY 9.8 NTU

OTHER

WATER RECOVERY HEIGHT: 7.15' TOC ; RECOVERY TIME IN MINUTES: —

FIELD PARAMETERS: pH 6.99 SU , TEMPERATURE 16.2 °C

CONDUCTIVITY 693 µs ~~UMHO/CM;~~ OTHER

SAMPLE COLLECTION TIME: 1133

NOTES: FDGW01 Duplicate collected (1345)

Groundwater Services Field Log

DATE: 10/12/05 PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 PROJECT LOCATION: Schenectady, NY

SAMPLING PERSONNEL: Megan Drosky

MONITORING WELL ID#: MW-3 NOTES TAKEN BY: MD

DEPTH TO WATER: 6.92' FROM: TOC BAILER ID: —

DEPTH TO BOTTOM: 14.5' FROM: TOC BAILER: LAB CLEANED / FIELD CLEANED

WATER COLUMN HEIGHT: 7.58' BAILER: STAINLESS STEEL

OTHER New DISPOSABLE

WELL CASING DIAMETER

CONVERSION FACTORS LINEAR FEET TO GALLONS

1" = 0.041 GALLONS 3" = 0.38 GALLONS

1.25" = 0.064 GALLONS 4" = 0.66 GALLONS

2" = 0.16 GALLONS 6" = 1.47 GALLONS

WELL VOLUME: 0.3 GALLONS

VOLUMES PURGED: 1.25 GALLONS PURGE METHOD: Low flow

TIME STARTED: 1235 ; TIME FINISHED: 1325

OBSERVATIONS: COLOR — ; ODOR —

SHEEN — ; TURBIDITY 6.9 NTU

OTHER

WATER RECOVERY HEIGHT: 6.95' from TOC ; RECOVERY TIME IN MINUTES: —

FIELD PARAMETERS: pH 7.01 SU , TEMPERATURE 16.0°C

CONDUCTIVITY 929 u/s ~~UMHO/CM,~~ OTHER

SAMPLE COLLECTION TIME: 1250

NOTES: EB GW01 collected @ 1215 before this well

Groundwater Services Field Log

DATE: 10/12/05 PROJECT NAME: 714 Broadway

PROJECT NO.: 05.5086 PROJECT LOCATION: Schenectady, NY

SAMPLING PERSONNEL: Megan Drosky

MONITORING WELL ID#: MW-4 NOTES TAKEN BY: MD

DEPTH TO WATER: 6.5' FROM: TOC BAILER ID: —

DEPTH TO BOTTOM: 14.85' FROM: TOC BAILER: LAB CLEANED / FIELD CLEANED

WATER COLUMN HEIGHT: 8.35' BAILER: STAINLESS STEEL

OTHER New DISPOSABLE

CONVERSION FACTORS LINEAR FEET TO GALLONS

WELL CASING DIAMETER

1" = 0.041 GALLONS 3" = 0.38 GALLONS

1.25" = 0.064 GALLONS 4" = 0.66 GALLONS

WELL VOLUME: 8.33 GALLONS 2" = 0.16 GALLONS 6" = 1.47 GALLONS

VOLUMES PURGED: 1.5 GALLONS PURGE METHOD: Low flow

TIME STARTED: 1325 ; TIME FINISHED: 1400

OBSERVATIONS: COLOR — ; ODOR —

SHEEN — ; TURBIDITY 4.9 NTU

OTHER

WATER RECOVERY HEIGHT: 6.55' TOC ; RECOVERY TIME IN MINUTES: —

FIELD PARAMETERS: pH 6.95 SU , TEMPERATURE 15.9°C

CONDUCTIVITY 651 u/S ~~UMHO/CM,~~ OTHER

SAMPLE COLLECTION TIME: 1400

NOTES:

APPENDIX F

GROUNDWATERSAMPLES ASP CATEGORY B DATA DELIVERABLE PACKAGE (LABORATORY ANALYSIS REPORT AND CHAIN OF CUSTODY RECORD)

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY

PROJECT NAME: 714 Broadway, city of Schenectady

C.T. MALE & ASSOCIATES
50 CENTURY HILL DRIVE
PO BOX 727
LATHAM, NY 12110
5187867400

A FULL SERVICE ENVIRONMENTAL LABORATORY
EXPRESS THE DIFFERENCE

RECEIVED
NOV - 4 2005
C.T. MALE ASSOCIATES, P.C.

CHEMTECH PROJECT NO. **T5189**
ATTENTION: **Liz Rovers**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-1	**SDG No.:**	T5189
Lab Sample ID:	T5189-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101614.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.35	105 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.64	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.47	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.75	100 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	463588	4.09			
540-36-3	1,4-Difluorobenzene	799202	4.56			
3114-55-4	Chlorobenzene-d5	756489	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	365690	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101833.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.21	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.88	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.27	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.6	91 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	488365	4.08			
540-36-3	1,4-Difluorobenzene	846578	4.55			
3114-55-4	Chlorobenzene-d5	787428	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	357253	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101834.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.35	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.29	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.54	93 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.84	92 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448851	4.09			
540-36-3	1,4-Difluorobenzene	814931	4.55			
3114-55-4	Chlorobenzene-d5	733653	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	354262	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101835.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.97	102 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.52	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.19	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	444823	4.08			
540-36-3	1,4-Difluorobenzene	793837	4.55			
3114-55-4	Chlorobenzene-d5	756689	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	366902	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101836.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.34	101 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.46	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.35	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.76	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	470330	4.09			
540-36-3	1,4-Difluorobenzene	809450	4.56			
3114-55-4	Chlorobenzene-d5	750034	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	352986	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101843.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.08	108 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.8	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.82	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.52	93 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	424751	4.09			
540-36-3	1,4-Difluorobenzene	762924	4.55			
3114-55-4	Chlorobenzene-d5	696379	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	330497	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	TRIPBLANK	**SDG No.:**	T5189
Lab Sample ID:	T5189-09	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101610.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.07	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.98	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.95	100 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.14	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	438185	4.10			
540-36-3	1,4-Difluorobenzene	769399	4.56			
3114-55-4	Chlorobenzene-d5	723602	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	347918	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-1	**SDG No.:**	T5189
Lab Sample ID:	T5189-01	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026028.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	124.93	62 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	111.14	56 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	95.12	48 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263488	3.65			
1146-65-2	Naphthalene-d8	893933	4.43			
15067-26-2	Acenaphthene-d10	536158	5.52			
1517-22-2	Phenanthrene-d10	777658	6.48			
1719-03-5	Chrysene-d12	753299	8.44			
1520-96-3	Perylene-d12	878361	10.18			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026029.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	93.86	47 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	87.17	44 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	81.19	41 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	275455	3.65			
1146-65-2	Naphthalene-d8	933550	4.42			
15067-26-2	Acenaphthene-d10	556400	5.52			
1517-22-2	Phenanthrene-d10	846632	6.48			
1719-03-5	Chrysene-d12	792670	8.43			
1520-96-3	Perylene-d12	929266	10.16			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026030.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	111.04	56 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	99.25	50 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	93.83	47 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267180	3.65			
1146-65-2	Naphthalene-d8	918717	4.43			
15067-26-2	Acenaphthene-d10	544747	5.52			
1517-22-2	Phenanthrene-d10	812852	6.48			
1719-03-5	Chrysene-d12	760627	8.41			
1520-96-3	Perylene-d12	890690	10.14			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026031.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	139.64	70 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	122.08	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	119.36	60 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245732	3.65			
1146-65-2	Naphthalene-d8	844097	4.42			
15067-26-2	Acenaphthene-d10	501011	5.52			
1517-22-2	Phenanthrene-d10	712464	6.47			
1719-03-5	Chrysene-d12	706383	8.41			
1520-96-3	Perylene-d12	806660	10.14			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	970.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026032.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.770	U	10	0.770	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.850	U	10	0.850	ug/L
53-70-3	Dibenz(a,h)anthracene	0.890	U	10	0.890	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	144.86	72 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	121.44	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	125.77	63 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248848	3.65			
1146-65-2	Naphthalene-d8	847613	4.42			
15067-26-2	Acenaphthene-d10	501492	5.52			
1517-22-2	Phenanthrene-d10	726685	6.48			
1719-03-5	Chrysene-d12	701006	8.44			
1520-96-3	Perylene-d12	808354	10.18			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026033.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	134.85	67 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	113.98	57 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	116.75	58 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270835	3.65			
1146-65-2	Naphthalene-d8	926350	4.43			
15067-26-2	Acenaphthene-d10	555524	5.52			
1517-22-2	Phenanthrene-d10	811175	6.48			
1719-03-5	Chrysene-d12	768827	8.43			
1520-96-3	Perylene-d12	904083	10.17			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR VOLATILE ORGANICS

PROJECT NAME: 714 Broadway, city of Schenectady

C.T. MALE & ASSOCIATES
50 CENTURY HILL DRIVE
PO BOX 727
LATHAM, NY 12110
5187867400

CHEMTECH PROJECT NO. **T5189**
ATTENTION: **Liz Rovers**

A FULL SERVICE ENVIRONMENTAL LABORATORY
EXPRESS . . . THE DIFFERENCE

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T5189 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5189-01	MW-1
T5189-02	MW-1MS
T5189-03	MW-1MSD
T5189-04	MW-2
T5189-05	MW-3
T5189-06	MW-4
T5189-07	EBGW01
T5189-08	FDGW01
T5189-09	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Lupa Dutcy

Date: 10/31/05 Title: QA Mgr

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # N/A
Chemtech Project # T5189

A. Number of Samples and Date of Receipt:
9 Water samples were received on 10/13/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, and 8260 Stars List Volatiles. This data package contains results for 8260 Stars List Volatiles.

C. Analytical Techniques:
The analysis performed on instrument MSVOA D were done using GC column RTX624 which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #40924. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for tert-Butylbenzene and n-Butylbenzene.
The MSD recoveries met the acceptable requirements except for tert-Butylbenzene and Naphthalene.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 11/8/05 Title: QA/QC

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

VOLATILES

DATA

CHEMTECH

VOLATILES QC DATA

Surrogate Summary
SW-846

SDG No.: T5189
Client: C.T. Male & Associates

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSD1016W1	VLCS01	1,2-Dichloroethane-d4	50	53.53	107		72.00	119.00
		Dibromofluoromethane	50	49.76	100		85.00	115.00
		Toluene-d8	50	49.27	99		81.00	120.00
		4-Bromofluorobenzene	50	47.42	95		76.00	119.00
T5189-01	MW-1	1,2-Dichloroethane-d4	50	52.35	105		72.00	119.00
		Dibromofluoromethane	50	49.64	99		85.00	115.00
		Toluene-d8	50	49.47	99		81.00	120.00
		4-Bromofluorobenzene	50	49.75	100		76.00	119.00
T5189-02MS	MW-1MS	1,2-Dichloroethane-d4	50	51.91	104		72.00	119.00
		Dibromofluoromethane	50	48.95	98		85.00	115.00
		Toluene-d8	50	49.62	99		81.00	120.00
		4-Bromofluorobenzene	50	48.97	98		76.00	119.00
T5189-03MSD	MW-1MSD	1,2-Dichloroethane-d4	50	54.2	108		72.00	119.00
		Dibromofluoromethane	50	49.3	99		85.00	115.00
		Toluene-d8	50	50.91	102		81.00	120.00
		4-Bromofluorobenzene	50	49.4	99		76.00	119.00
T5189-04	MW-2	1,2-Dichloroethane-d4	50	51.21	102		72.00	119.00
		Dibromofluoromethane	50	48.88	98		85.00	115.00
		Toluene-d8	50	48.27	97		81.00	120.00
		4-Bromofluorobenzene	50	45.6	91		76.00	119.00
T5189-05	MW-3	1,2-Dichloroethane-d4	50	53.35	107		72.00	119.00
		Dibromofluoromethane	50	49.29	99		85.00	115.00
		Toluene-d8	50	46.54	93		81.00	120.00
		4-Bromofluorobenzene	50	45.84	92		76.00	119.00
T5189-06	MW-4	1,2-Dichloroethane-d4	50	53.5	107		72.00	119.00
		Dibromofluoromethane	50	50.97	102		85.00	115.00
		Toluene-d8	50	49.52	99		81.00	120.00
		4-Bromofluorobenzene	50	49.19	98		76.00	119.00
T5189-07	EBGW01	1,2-Dichloroethane-d4	50	50.34	101		72.00	119.00
		Dibromofluoromethane	50	49.46	99		85.00	115.00
		Toluene-d8	50	49.35	99		81.00	120.00
		4-Bromofluorobenzene	50	46.76	94		76.00	119.00
T5189-08	FDGW01	1,2-Dichloroethane-d4	50	54.08	108		72.00	119.00
		Dibromofluoromethane	50	49.8	100		85.00	115.00
		Toluene-d8	50	48.82	98		81.00	120.00
		4-Bromofluorobenzene	50	46.52	93		76.00	119.00
T5189-09	TRIPBLANK	1,2-Dichloroethane-d4	50	51.07	102		72.00	119.00
		Dibromofluoromethane	50	48.98	98		85.00	115.00
		Toluene-d8	50	49.95	100		81.00	120.00
		4-Bromofluorobenzene	50	47.14	94		76.00	119.00
VBD1016W2	VBLK01	1,2-Dichloroethane-d4	50	49.55	99		72.00	119.00

Surrogate Summary
SW-846

SDG No.: T5189
Client: C.T. Male & Associates

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
VBD1016W2	VBLK01	Dibromofluoromethane	50	48.81	98		85.00	115.00
		Toluene-d8	50	47.84	96		81.00	120.00
		4-Bromofluorobenzene	50	48.12	96		76.00	119.00
VBD1018W2	VBLK02	1,2-Dichloroethane-d4	50	50.31	101		72.00	119.00
		Dibromofluoromethane	50	48.14	96		85.00	115.00
		Toluene-d8	50	48.75	98		81.00	120.00
		4-Bromofluorobenzene	50	49.43	99		76.00	119.00

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: T5189

Client: C.T. Male & Associates

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**MW-1MS**									
T5189-02MS	Methyl tert-butyl Ether	50	0.0	54	108			72	127	
	Benzene	50	0.0	54	108			79	130	
	Toluene	50	0.0	53	106			81	133	
	Ethyl Benzene	50	0.0	51	102			82	124	
	m&p-Xylenes	100	0.0	99	99			80	126	
	o-Xylene	50	0.0	51	102			84	127	
	Isopropylbenzene	50	0.0	54	108			77	117	
	N-propylbenzene	50	0.0	57	114			76	118	
	1,3,5-Trimethylbenzene	50	0.0	53	106			76	117	
	tert-Butylbenzene	50	0.0	61	122		*	70	116	
	1,2,4-Trimethylbenzene	50	0.0	53	106			78	116	
	Sec-butylbenzene	50	0.0	53	106			76	116	
	p-Isopropyltoluene	50	0.0	55	110			70	130	
	n-Butylbenzene	50	0.0	59	118		*	73	115	
	Naphthalene	50	0.0	56	112			60	123	
Client Sample ID:	**MW-1MSD**									
T5189-03MSD	Methyl tert-butyl Ether	50	0.0	49	98	10		72	127	12
	Benzene	50	0.0	56	112	4		79	130	11
	Toluene	50	0.0	55	110	4		81	133	13
	Ethyl Benzene	50	0.0	53	106	4		82	124	20
	m&p-Xylenes	100	0.0	100	100	1		80	126	20
	o-Xylene	50	0.0	52	104	2		84	127	20
	Isopropylbenzene	50	0.0	55	110	2		77	117	20
	N-propylbenzene	50	0.0	57	114	0		76	118	20
	1,3,5-Trimethylbenzene	50	0.0	54	108	2		76	117	20
	tert-Butylbenzene	50	0.0	62	124	2	*	70	116	20
	1,2,4-Trimethylbenzene	50	0.0	55	110	4		78	116	20
	Sec-butylbenzene	50	0.0	54	108	2		76	116	20
	p-Isopropyltoluene	50	0.0	59	118	7		70	130	20
	n-Butylbenzene	50	0.0	57	114	3		73	115	20
	Naphthalene	50	0.0	63	126	12	*	60	123	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: T5189

Client: C.T. Male & Associates

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSD1016W1	Methyl tert-butyl Ether	20	22	110			70	130	
	Benzene	20	22	110			70	130	
	Toluene	20	21	105			70	130	
	Ethyl Benzene	20	20	100			70	130	
	m&p-Xylenes	40	42	105			70	130	
	o-Xylene	20	21	105			70	130	
	Isopropylbenzene	20	21	105			70	130	
	N-propylbenzene	20	23	115			70	130	
	1,3,5-Trimethylbenzene	20	21	105			70	130	
	tert-Butylbenzene	20	21	105			70	130	
	1,2,4-Trimethylbenzene	20	21	105			70	130	
	Sec-butylbenzene	20	21	105			70	130	
	p-Isopropyltoluene	20	21	105			70	130	
	n-Butylbenzene	20	22	110			70	130	
	Naphthalene	20	21	105			70	130	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: VD101605.D Lab Sample ID: VBD1016W2

Date Analyzed: 10/16/2005 Time Analyzed: 15:42

GC Column: RTX502.2 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAD

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
TRIPBLANK	T5189-09	VD101610.D	17:46
VLCS01	BSD1016W1	VD101611.D	18:11
MW-1	T5189-01	VD101614.D	19:25
MW-1MS	T5189-02MS	VD101615.D	19:50
MW-1MSD	T5189-03MSD	VD101616.D	20:14

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK02

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: VD101829.D Lab Sample ID: VBD1018W2

Date Analyzed: 10/18/2005 Time Analyzed: 21:56

GC Column: RTX502.2 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAD

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
MW-2	T5189-04	VD101833.D	23:35
MW-3	T5189-05	VD101834.D	23:59
MW-4	T5189-06	VD101835.D	00:23
EBGW01	T5189-07	VD101836.D	00:47
FDGW01	T5189-08	VD101843.D	03:39

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: VD101301.D BFB Injection Date: 10/13/2005

Instrument ID: MSVOAD BFB Injection Time: 13:38

GC Column: RTX502. ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.7
173	Less than 2.0% of mass 174	0.0(0.0) 1
174	50.0 - 100.0% of mass 95	91.7
175	5.0 - 9.0% of mass 174	6.8 (7.4) 1
176	95.0 - 101.0% of mass 174	87.5 (95.4) 1
177	5.0 - 9.0% of mass 176	6.6 (7.6 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VD101302.D	10/13/2005	14:03
VSTD010	10 PPB ICC	VD101304.D	10/13/2005	14:51
VSTD050	50 PPB ICC	VD101305.D	10/13/2005	15:16
VSTD020	20 PPB ICC	VD101306.D	10/13/2005	15:40
VSTD100	100 PPB ICC	VD101308.D	10/13/2005	16:30

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: VD101601.D BFB Injection Date: 10/16/2005

Instrument ID: MSVOAD BFB Injection Time: 14:04

GC Column: RTX502. ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0(0.0) 1
174	50.0 - 100.0% of mass 95	91.1
175	5.0 - 9.0% of mass 174	7.9 (8.6) 1
176	95.0 - 101.0% of mass 174	88.5 (97.2) 1
177	5.0 - 9.0% of mass 176	6.2 (7.0 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VD101603.D	10/16/2005	14:53
VBLK01	VBD1016W2	VD101605.D	10/16/2005	15:42
TRIPBLANK	T5189-09	VD101610.D	10/16/2005	17:46
VLCS01	BSD1016W1	VD101611.D	10/16/2005	18:11
MW-1	T5189-01	VD101614.D	10/16/2005	19:25
MW-1MS	T5189-02MS	VD101615.D	10/16/2005	19:50
MW-1MSD	T5189-03MSD	VD101616.D	10/16/2005	20:14

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: VD101826.D BFB Injection Date: 10/18/2005

Instrument ID: MSVOAD BFB Injection Time: 20:43

GC Column: RTX502. ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0(0.0) 1
174	50.0 - 100.0% of mass 95	68.7
175	5.0 - 9.0% of mass 174	6.0 (8.7) 1
176	95.0 - 101.0% of mass 174	66.6 (96.9) 1
177	5.0 - 9.0% of mass 176	5.0 (7.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD020	20 PPB CCC	VD101828.D	10/18/2005	21:32
VBLK02	VBD1018W2	VD101829.D	10/18/2005	21:56
MW-2	T5189-04	VD101833.D	10/18/2005	23:35
MW-3	T5189-05	VD101834.D	10/18/2005	23:59
MW-4	T5189-06	VD101835.D	10/19/2005	00:23
EBGW01	T5189-07	VD101836.D	10/19/2005	00:47
FDGW01	T5189-08	VD101843.D	10/19/2005	03:39

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Lab File ID: VD101828.D Date Analyzed: 10/18/2005

Instrument ID: MSVOAD Time Analyzed: 21:32

GC Column: RTX502.2 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	497748	4.09	840664	4.55	774419	7.62
UPPER LIMIT	995496	4.59	1681328	5.05	1548838	8.12
LOWER LIMIT	248874	3.59	420332	4.05	387210	7.12
SAMPLE NO.						
VBLK02	479220	4.09	836857	4.56	757729	7.62
MW-2	488365	4.08	846578	4.55	787428	7.62
MW-3	448851	4.09	814931	4.55	733653	7.63
MW-4	444823	4.08	793837	4.55	756689	7.62
EBGW01	470330	4.09	809450	4.56	750034	7.62
FDGW01	424751	4.09	762924	4.55	696379	7.62

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No. T5189 SAS No.: T5189 SDG No.: T5189

Lab File ID: VD101828.D Date Analyzed: 10/18/200

Instrument ID: MSVOAD Time Analyzed: 21:32

GC Column: RTX502.2 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	395120	9.83				
UPPER LIMIT	790240	10.33				
LOWER LIMIT	197560	9.33				
SAMPLE NO.						
VBLK02	372640	9.82				
MW-2	357253	9.83				
MW-3	354262	9.82				
MW-4	366902	9.83				
EBGW01	352986	9.82				
FDGW01	330497	9.82				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Lab File ID: VD101603.D Date Analyzed: 10/16/2005

Instrument ID: MSVOAD Time Analyzed: 14:53

GC Column: RTX502.2 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	496778	4.09	859111	4.56	772940	7.63
UPPER LIMIT	993556	4.59	1718222	5.06	1545880	8.13
LOWER LIMIT	248389	3.59	429556	4.06	386470	7.13
SAMPLE NO.						
VBLK01	475424	4.10	823000	4.57	765910	7.63
TRIPBLANK	438185	4.10	769399	4.56	723602	7.63
VLCS01	441734	4.09	781560	4.56	703776	7.63
MW-1	463588	4.09	799202	4.56	756489	7.63
MW-1MS	466434	4.10	826848	4.57	751772	7.63
MW-1MSD	515938	4.09	882006	4.56	810567	7.63

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No. T5189 SAS No.: T5189 SDG No.: T5189

Lab File ID: VD101603.D Date Analyzed: 10/16/200

Instrument ID: MSVOAD Time Analyzed: 14:53

GC Column: RTX502.2 ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#				
12 HOUR STD	388140	9.83				
UPPER LIMIT	776280	10.33				
LOWER LIMIT	194070	9.33				
SAMPLE NO.						
VBLK01	375618	9.83				
TRIPBLANK	347918	9.83				
VLCS01	349475	9.82				
MW-1	365690	9.83				
MW-1MS	369728	9.83				
MW-1MSD	396403	9.83				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILES SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**10/12/2005**
Project:	**714 Broadway, city of Schenectady**	**Date Received:**	**10/13/2005**
Client Sample ID:	**MW-1**	**SDG No.:**	**T5189**
Lab Sample ID:	**T5189-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Vol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101614.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.35	105 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.64	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.47	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.75	100 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	463588	4.09			
540-36-3	1,4-Difluorobenzene	799202	4.56			
3114-55-4	Chlorobenzene-d5	756489	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	365690	9.83			

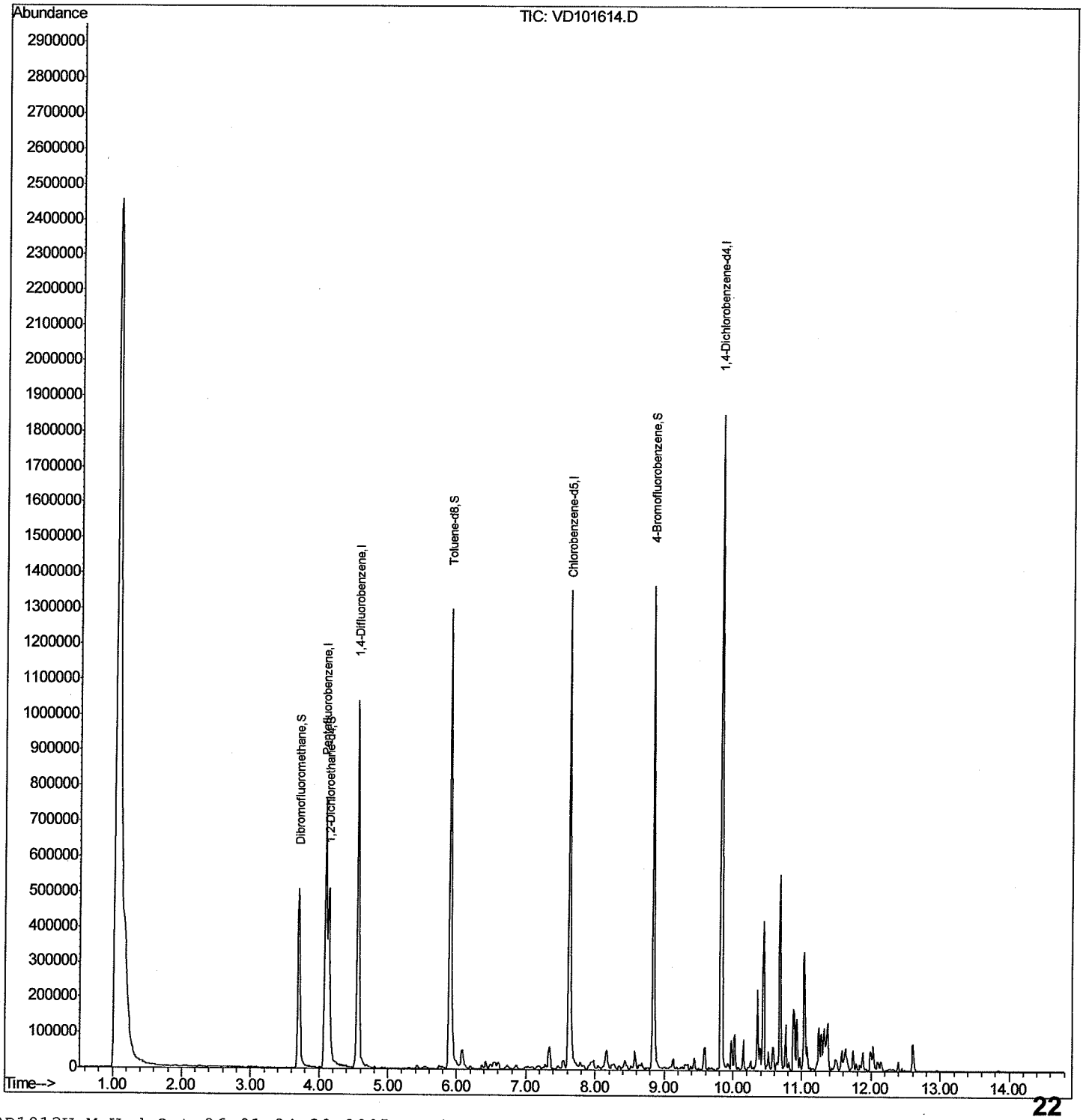
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101614.D
Acq On : 16 Oct 2005 7:25 pm
Operator : sam
Sample : T5189-01
Misc : 5mL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 15:44:04 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101614.D
Acq On : 16 Oct 2005 7:25 pm
Operator : sam
Sample : T5189-01
Misc : 5mL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 15:44:04 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	463588	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.56	114	799202	50.00	ug/l	0.02
55) Chlorobenzene-d5	7.63	117	756489	50.00	ug/l	0.02
64) 1,4-Dichlorobenzene-d4	9.83	152	365690	50.00	ug/l	0.01
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.14	65	411075	52.35	ug/l	0.02
Spiked Amount 50.000			Recovery = 104.70%			
31) Dibromofluoromethane	3.71	113	323428	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery = 99.28%			
41) Toluene-d8	5.91	98	906685	49.47	ug/l	0.02
Spiked Amount 50.000			Recovery = 98.94%			
54) 4-Bromofluorobenzene	8.84	95	389213	49.75	ug/l	0.01
Spiked Amount 50.000			Recovery = 99.50%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101833.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.21	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.88	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.27	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.6	91 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	488365	4.08			
540-36-3	1,4-Difluorobenzene	846578	4.55			
3114-55-4	Chlorobenzene-d5	787428	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	357253	9.83			

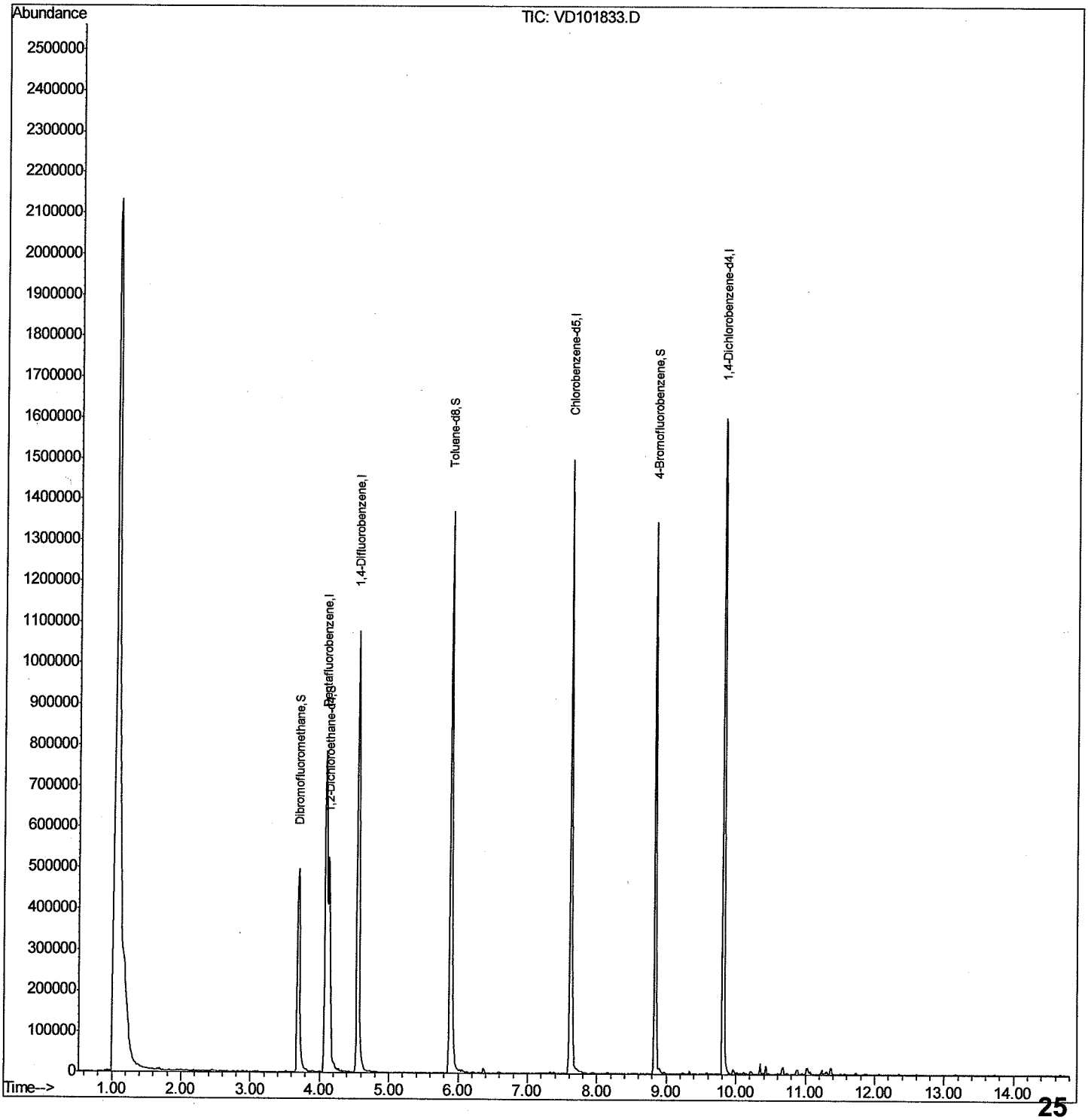
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101833.D
Acq On : 18 Oct 2005 11:35 pm
Operator : sam
Sample : T5189-04
Misc : 5mL
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 19 14:26:20 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101833.D
Acq On : 18 Oct 2005 11:35 pm
Operator : sam
Sample : T5189-04
Misc : 5mL
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 19 14:26:20 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.08	168	488365	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.55	114	846578	50.00	ug/l	0.01
55) Chlorobenzene-d5	7.62	117	787428	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.83	152	357253	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.13	65	423576	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery = 102.42%			
31) Dibromofluoromethane	3.70	113	337319	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.76%			
41) Toluene-d8	5.90	98	937157	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.54%			
54) 4-Bromofluorobenzene	8.84	95	377898	45.60	ug/l	0.00
Spiked Amount 50.000			Recovery = 91.20%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101834.D	1	10/18/2005	VD101305

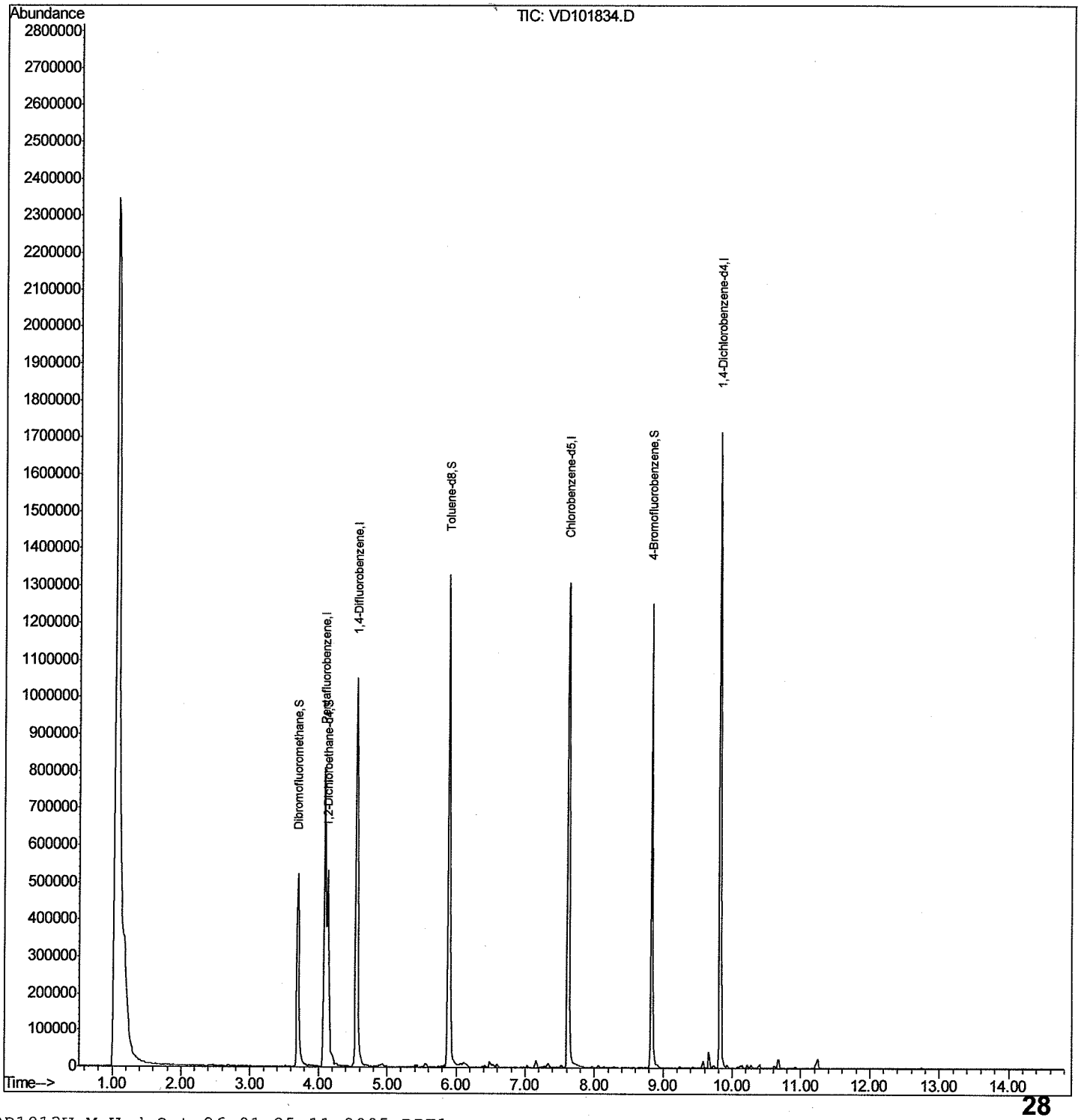
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.35	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.29	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.54	93 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.84	92 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448851	4.09			
540-36-3	1,4-Difluorobenzene	814931	4.55			
3114-55-4	Chlorobenzene-d5	733653	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	354262	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101834.D
Acq On : 18 Oct 2005 11:59 pm
Operator : sam
Sample : T5189-05
Misc : 5mL
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 19 14:27:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101834.D
Acq On : 18 Oct 2005 11:59 pm
Operator : sam
Sample : T5189-05
Misc : 5mL
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 19 14:27:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	448851	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.55	114	814931	50.00	ug/l	0.01
55) Chlorobenzene-d5	7.63	117	733653	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	354262	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.13	65	405569	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery = 106.70%			
31) Dibromofluoromethane	3.70	113	327477	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.58%			
41) Toluene-d8	5.89	98	869869	46.54	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.08%			
54) 4-Bromofluorobenzene	8.83	95	365686	45.84	ug/l	0.00
Spiked Amount 50.000			Recovery = 91.68%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101835.D	1	10/19/2005	VD101305

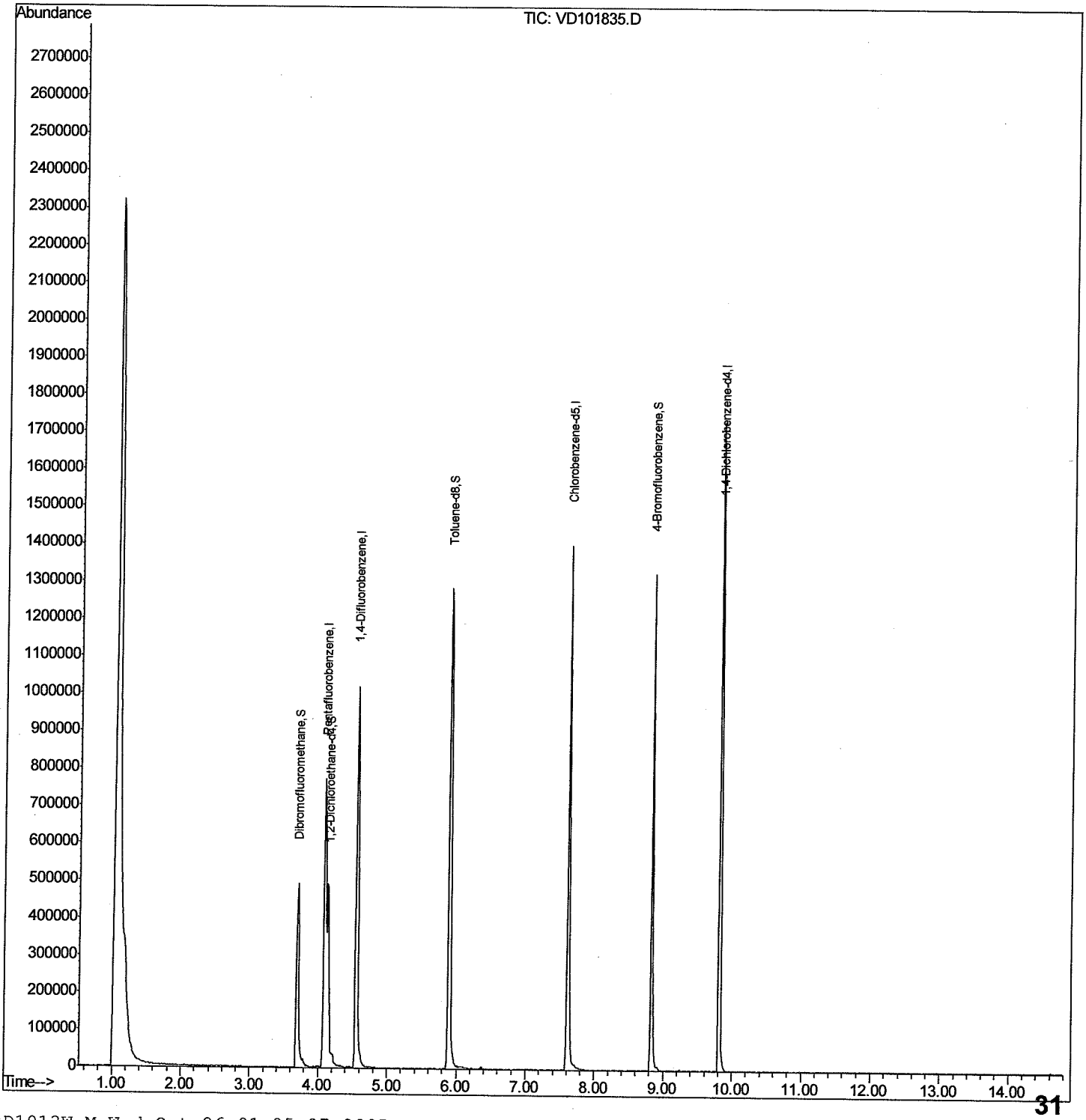
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.97	102 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.52	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.19	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	444823	4.08			
540-36-3	1,4-Difluorobenzene	793837	4.55			
3114-55-4	Chlorobenzene-d5	756689	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	366902	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101835.D
Acq On : 19 Oct 2005 12:23 am
Operator : sam
Sample : T5189-06
Misc : 5mL
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 19 14:28:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101835.D
Acq On : 19 Oct 2005 12:23 am
Operator : sam
Sample : T5189-06
Misc : 5mL
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 19 14:28:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.08	168	444823	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.55	114	793837	50.00	ug/l	0.01
55) Chlorobenzene-d5	7.62	117	756689	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.83	152	366902	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.14	65	403101	53.50	ug/l	0.01
Spiked Amount 50.000			Recovery =	107.00%		
31) Dibromofluoromethane	3.70	113	329873	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.94%		
41) Toluene-d8	5.89	98	901549	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.04%		
54) 4-Bromofluorobenzene	8.83	95	382245	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.38%		

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101836.D	1	10/19/2005	VD101305

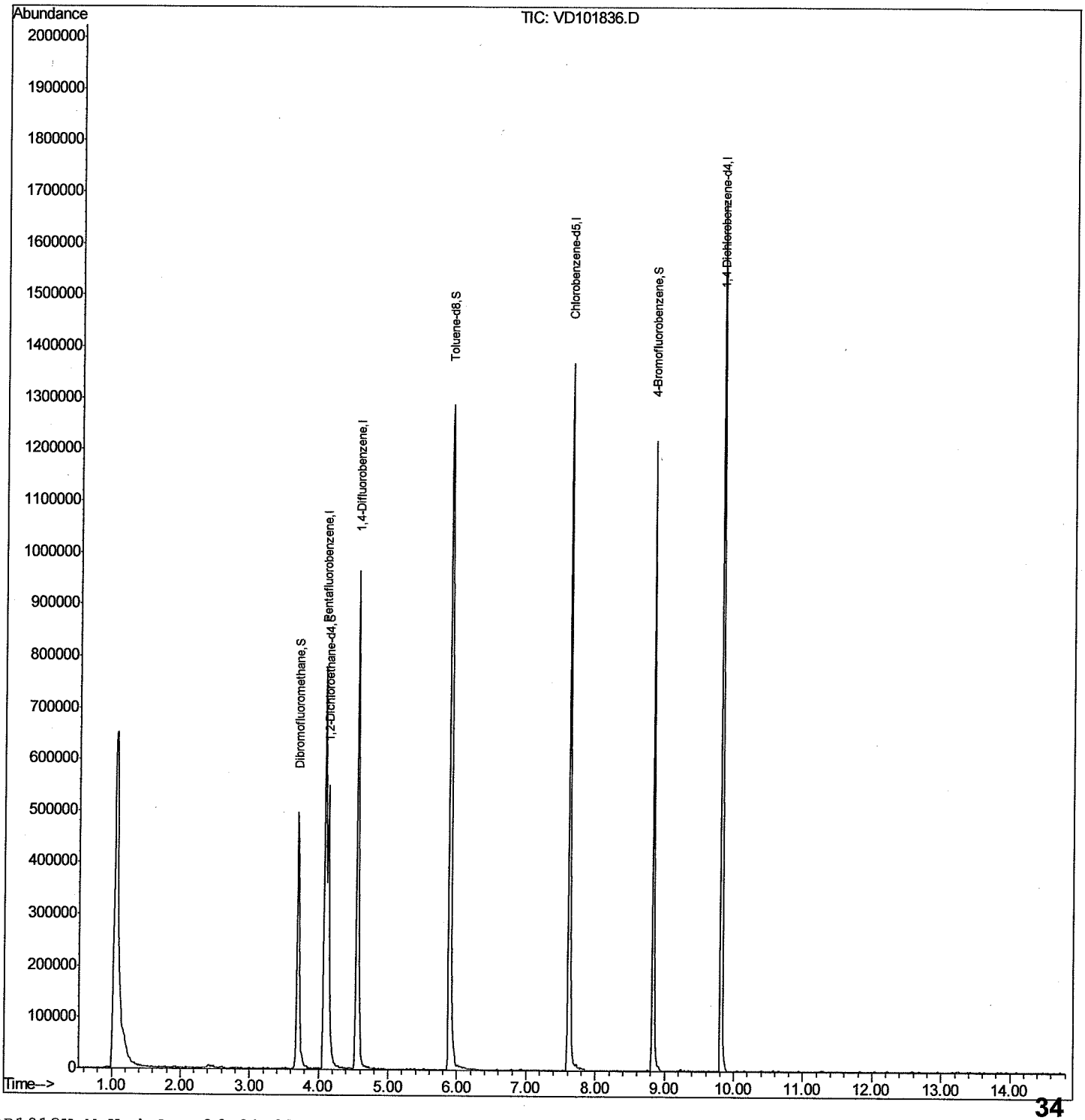
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.34	101 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.46	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.35	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.76	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	470330	4.09			
540-36-3	1,4-Difluorobenzene	809450	4.56			
3114-55-4	Chlorobenzene-d5	750034	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	352986	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101836.D
Acq On : 19 Oct 2005 12:47 am
Operator : sam
Sample : T5189-07
Misc : 5mL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 19 14:30:30 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101836.D
Acq On : 19 Oct 2005 12:47 am
Operator : sam
Sample : T5189-07
Misc : 5mL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 19 14:30:30 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	470330	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.56	114	809450	50.00	ug/l	0.02
55) Chlorobenzene-d5	7.62	117	750034	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	352986	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.13	65	401043	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery = 100.68%			
31) Dibromofluoromethane	3.69	113	326409	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.92%			
41) Toluene-d8	5.90	98	916191	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.70%			
54) 4-Bromofluorobenzene	8.83	95	370459	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.52%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101843.D	1	10/19/2005	VD101305

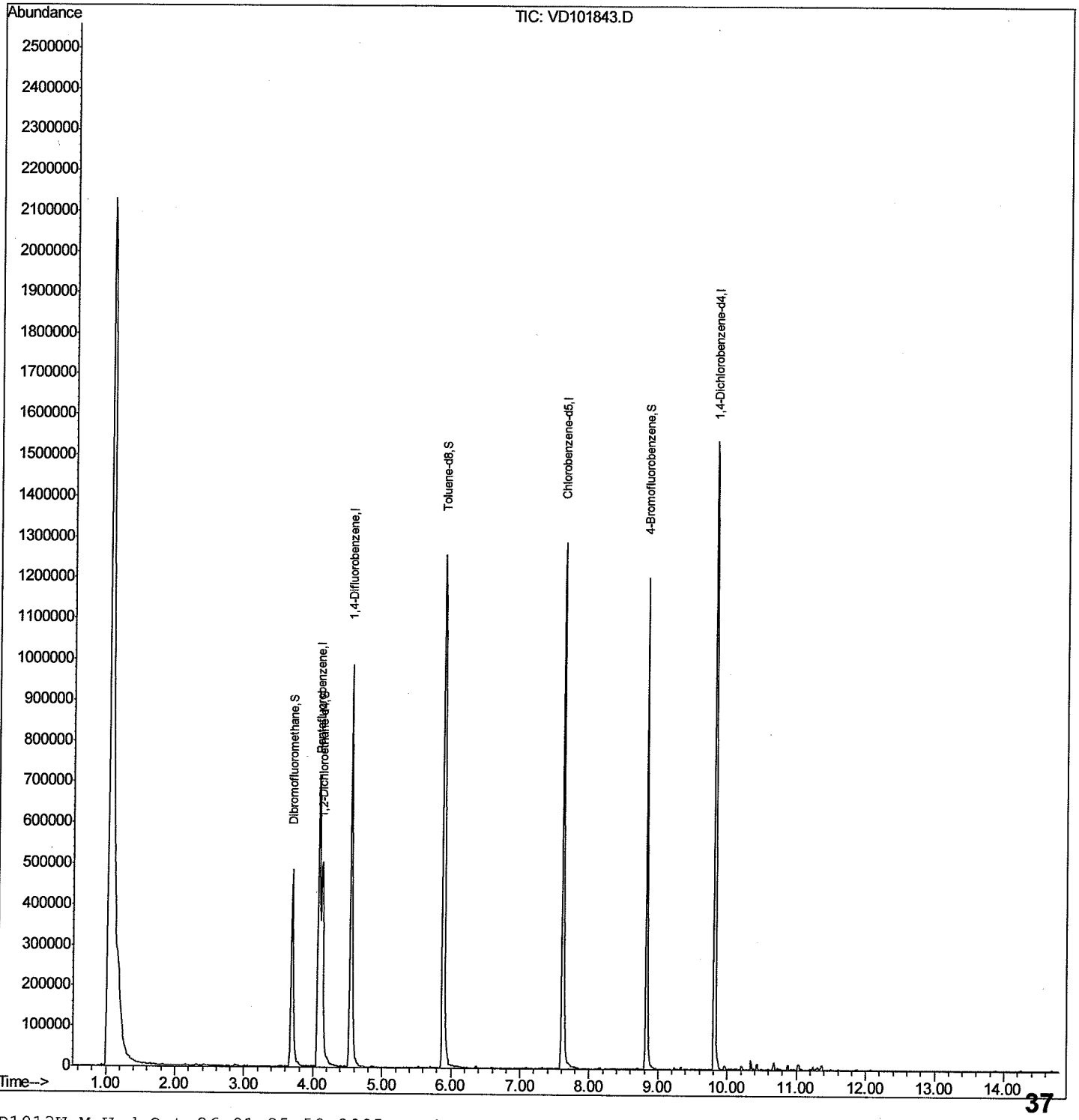
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.08	108 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.8	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.82	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.52	93 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	424751	4.09			
540-36-3	1,4-Difluorobenzene	762924	4.55			
3114-55-4	Chlorobenzene-d5	696379	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	330497	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101843.D
Acq On : 19 Oct 2005 3:39 am
Operator : sam
Sample : T5189-08
Misc : 5mL
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 19 14:40:22 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101843.D
Acq On : 19 Oct 2005 3:39 am
Operator : sam
Sample : T5189-08
Misc : 5mL
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 19 14:40:22 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	424751	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.55	114	762924	50.00	ug/l	0.00
55) Chlorobenzene-d5	7.62	117	696379	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	330497	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.13	65	389046	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery = 108.16%			
31) Dibromofluoromethane	3.70	113	309719	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery = 99.60%			
41) Toluene-d8	5.89	98	854294	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.64%			
54) 4-Bromofluorobenzene	8.83	95	347394	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.04%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	TRIPBLANK	**SDG No.:**	T5189
Lab Sample ID:	T5189-09	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101610.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.07	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.98	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.95	100 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.14	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	438185	4.10			
540-36-3	1,4-Difluorobenzene	769399	4.56			
3114-55-4	Chlorobenzene-d5	723602	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	347918	9.83			

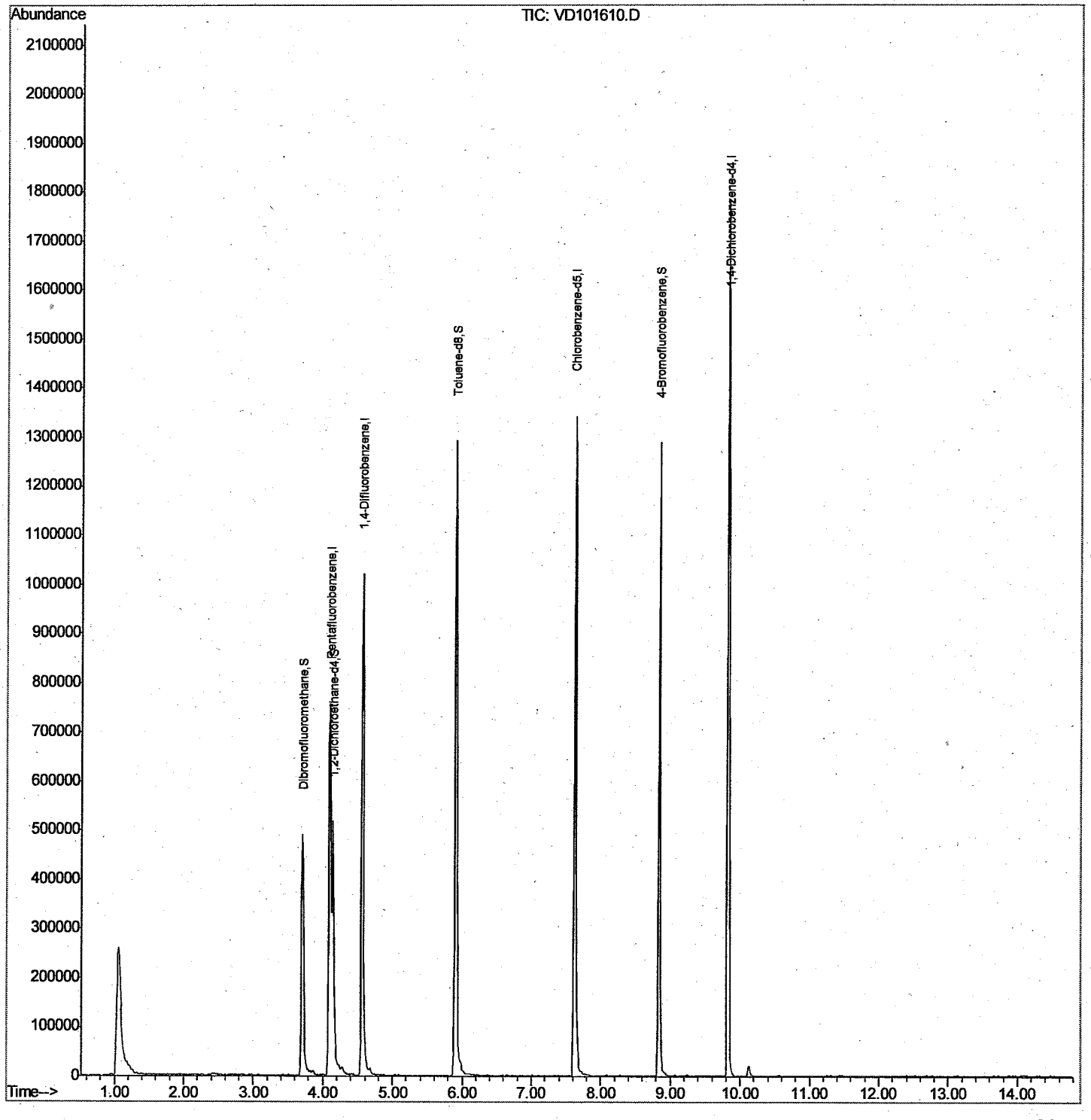
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101610.D
Acq On : 16 Oct 2005 5:46 pm
Operator : sam
Sample : T5189-09
Misc : 5mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 07:46:46 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101610.D
Acq On : 16 Oct 2005 5:46 pm
Operator : sam
Sample : T5189-09
Misc : 5mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 07:46:46 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.10	168	438185	50.00	ug/l	0.01
30) 1,4-Difluorobenzene	4.56	114	769399	50.00	ug/l	0.02
55) Chlorobenzene-d5	7.63	117	723602	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.83	152	347918	50.00	ug/l	0.01
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.14	65	378980	51.07	ug/l	0.01
Spiked Amount 50.000			Recovery = 102.14%			
31) Dibromofluoromethane	3.70	113	307234	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.96%			
41) Toluene-d8	5.90	98	881477	49.95	ug/l	0.01
Spiked Amount 50.000			Recovery = 99.90%			
54) 4-Bromofluorobenzene	8.84	95	355017	47.14	ug/l	0.01
Spiked Amount 50.000			Recovery = 94.28%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH

VOLATILES CALIBRATION DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Instrument ID: MSVOAD Calibration Date(s): 10/13/2005 10/13/2005

Heated Purge: (Y/N) N Calibration Time(s): 14:03 16:30

GC Column: RTX502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD101302.D RRF010 = VD101304.D

RRF020 = VD101306.D RRF050 = VD101305.D RRF100 = VD101308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD	
Methyl tert-butyl Ether	1.226	1.030	1.031	1.000	0.889	1.035	11.7	
Benzene *	0.941	0.859	0.916	0.871	0.782	0.874	7.0	*
Toluene *	0.627	0.553	0.610	0.572	0.500	0.572	8.7	*
Ethyl Benzene *	0.422	0.355	0.401	0.389	0.321	0.378	10.6	*
m&p-Xylenes	0.508	0.424	0.472	0.444	0.375	0.445	11.3	
o-Xylene *	0.502	0.423	0.509	0.463	0.404	0.460	10.1	*
Isopropylbenzene	2.483	2.126	2.378	2.212	1.960	2.232	9.2	
n-propylbenzene	2.868	2.497	2.711	2.616	2.334	2.605	7.8	
1,3,5-Trimethylbenzene	2.119	1.762	1.941	1.863	1.657	1.868	9.4	
tert-Butylbenzene	1.870	1.513	1.643	1.589	1.395	1.602	11.0	
1,2,4-Trimethylbenzene	2.140	1.744	1.950	1.842	1.651	1.865	10.2	
sec-Butylbenzene	2.559	2.134	2.353	2.284	2.009	2.268	9.3	
4-Isopropyltoluene	1.971	1.731	1.954	1.884	1.673	1.843	7.3	
n-Butylbenzene	1.903	1.601	1.800	1.749	1.541	1.719	8.6	
Naphthalene	2.178	1.768	2.195	2.047	1.793	1.996	10.3	
1,2-Dichloroethane-d4	0.841	0.848	0.808	0.872	0.865	0.847	3.0	
Dibromofluoromethane	0.414	0.405	0.411	0.404	0.404	0.408	1.1	
Toluene-d8	1.102	1.154	1.181	1.147	1.150	1.147	2.5	
4-Bromofluorobenzene *	0.479	0.490	0.508	0.489	0.481	0.489	2.3	*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Response Factor Report 5970 MSD

Method Path : I:\MSVOA_D\METHOD\
Method File : 82D1013W.M
Title : SW846 8260
Last Update : Fri Oct 14 11:13:46 2005
Response Via : Initial Calibration

Calibration Files
5 =VD101302.D 10 =VD101304.D 20 =VD101306.D
50 =VD101305.D 100 =VD101308.D =

		Compound	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorom	0.414	0.413	0.357	0.397	0.348	0.386	8.14
3)	P	Chloromethane	0.500	0.361	0.386	0.385	0.309	0.388	18.01
4)	C	Vinyl Chloride	0.399	0.343	0.334	0.345	0.268	0.338	13.84#
5)	T	Bromomethane	0.287	0.236	0.223	0.198	0.147	0.218	23.45
6)	T	Chloroethane	0.292	0.210	0.161	0.148	0.108	0.184	38.43
7)	T	Trichlorofluorome	0.654	0.582	0.493	0.489	0.400	0.523	18.63
8)	T	1,1,2-Trichlorotr	0.480	0.445	0.398	0.395	0.332	0.410	13.72
9)	T	Tert butyl alcoho	0.073	0.066	0.065	0.055	0.048	0.061	16.19
10)	CM	1,1-Dichloroethen	0.364	0.328	0.289	0.306	0.262	0.310	12.53#
11)	T	Iodomethane	0.756	0.675	0.622	0.662	0.567	0.656	10.65
12)	T	Acrolein	0.055	0.042	0.040	0.046	0.038	0.044	14.82
13)	T	Acrylonitrile	0.116	0.111	0.101	0.105	0.089	0.105	9.68
14)	T	Acetone	0.197	0.141	0.124	0.115	0.104	0.136	26.91
15)	T	Carbon Disulfide	0.766	0.750	0.683	0.779	0.692	0.734	5.97
16)	T	Methyl Acetate	0.632	0.451	0.474	0.542	0.451	0.510	15.28
17)	T	Methyl tert-butyl	1.226	1.030	1.031	1.000	0.889	1.035	11.74
18)	T	Methylene Chlorid	0.475	0.395	0.357	0.367	0.321	0.383	15.17
19)	T	trans-1,2-Dichlor	0.442	0.380	0.358	0.369	0.320	0.374	11.92
20)	T	Vinyl Acetate	1.027	0.748	0.662	0.595	0.546	0.716	26.50
21)	P	1,1-Dichloroethan	0.808	0.662	0.663	0.653	0.545	0.666	14.01
22)	T	2-Butanone	0.414	0.327	0.348	0.344	0.298	0.346	12.43
23)	T	2,2-Dichloropropa	0.631	0.528	0.557	0.559	0.467	0.548	10.78
24)	T	cis-1,2-Dichloroe	0.530	0.489	0.510	0.525	0.449	0.501	6.55
25)	T	Bromochloromethan	0.480	0.442	0.376	0.417	0.354	0.414	12.17
26)	C	Chloroform	1.025	0.869	0.897	0.903	0.813	0.901	8.60#
27)	T	Cyclohexane	0.735	0.632	0.648	0.607	0.538	0.632	11.26
28)	T	1,1,1-Trichloroet	0.764	0.695	0.730	0.735	0.648	0.714	6.18
29)	S	1,2-Dichloroethan	0.841	0.848	0.808	0.872	0.865	0.847	2.94
30)	I	1,4-Difluorobenzene	----------ISTD----------						
31)	S	Dibromofluorometh	0.414	0.405	0.411	0.404	0.404	0.408	1.11
32)	T	1,1-Dichloroprope	0.439	0.380	0.407	0.381	0.337	0.389	9.70
33)	T	Carbon Tetrachlor	0.451	0.399	0.441	0.439	0.402	0.426	5.65
34)	T	Methylcyclohexane	0.540	0.430	0.427	0.356	0.320	0.414	20.41
35)	TM	Benzene	0.941	0.859	0.916	0.871	0.782	0.874	6.98
36)	TM	1,2-Dichloroethan	0.509	0.429	0.466	0.438	0.399	0.448	9.25
37)	TM	Trichloroethene	0.321	0.294	0.336	0.314	0.277	0.308	7.58
38)	C	1,2-Dichloropropa	0.297	0.264	0.281	0.270	0.244	0.271	7.33#
39)	T	Dibromomethane	0.239	0.217	0.239	0.235	0.207	0.227	6.42
40)	T	Bromodichlorometh	0.352	0.334	0.372	0.385	0.349	0.359	5.59
41)	S	Toluene-d8	1.102	1.154	1.181	1.147	1.150	1.147	2.49
42)	T	4-Methyl-2-Pentan	0.432	0.381	0.413	0.358	0.305	0.378	13.18
43)	T	t-1,4-Dichloro-2-	0.194	0.176	0.211	0.183	0.161	0.185	10.21
44)	CM	Toluene	0.627	0.553	0.610	0.572	0.500	0.572	8.74#
45)	T	t-1,3-Dichloropro	0.379	0.353	0.432	0.419	0.382	0.393	8.20
46)	T	cis-1,3-Dichlorop	0.414	0.357	0.425	0.426	0.388	0.402	7.32
47)	T	Ethyl Methacrylat	0.408	0.382	0.436	0.415	0.365	0.401	6.98
48)	T	1,1,2-Trichloroet	0.289	0.271	0.283	0.271	0.240	0.271	7.04
49)	T	1,3-Dichloropropa	0.495	0.454	0.485	0.464	0.405	0.461	7.58
50)	T	2-Chloroethyl vin	0.200	0.180	0.202	0.191	0.166	0.188	8.10
51)	T	2-Hexanone	0.351	0.294	0.356	0.297	0.266	0.313	12.47
52)	T	Dibromochlorometh	0.264	0.249	0.321	0.311	0.286	0.286	10.61

Method Path : I:\MSVOA_D\METHOD\
Method File : 82D1013W.M
Title : SW846 8260
Last Update : Fri Oct 14 11:13:46 2005
Response Via : Initial Calibration

Calibration Files
5 =VD101302.D 10 =VD101304.D 20 =VD101306.D
50 =VD101305.D 100 =VD101308.D =

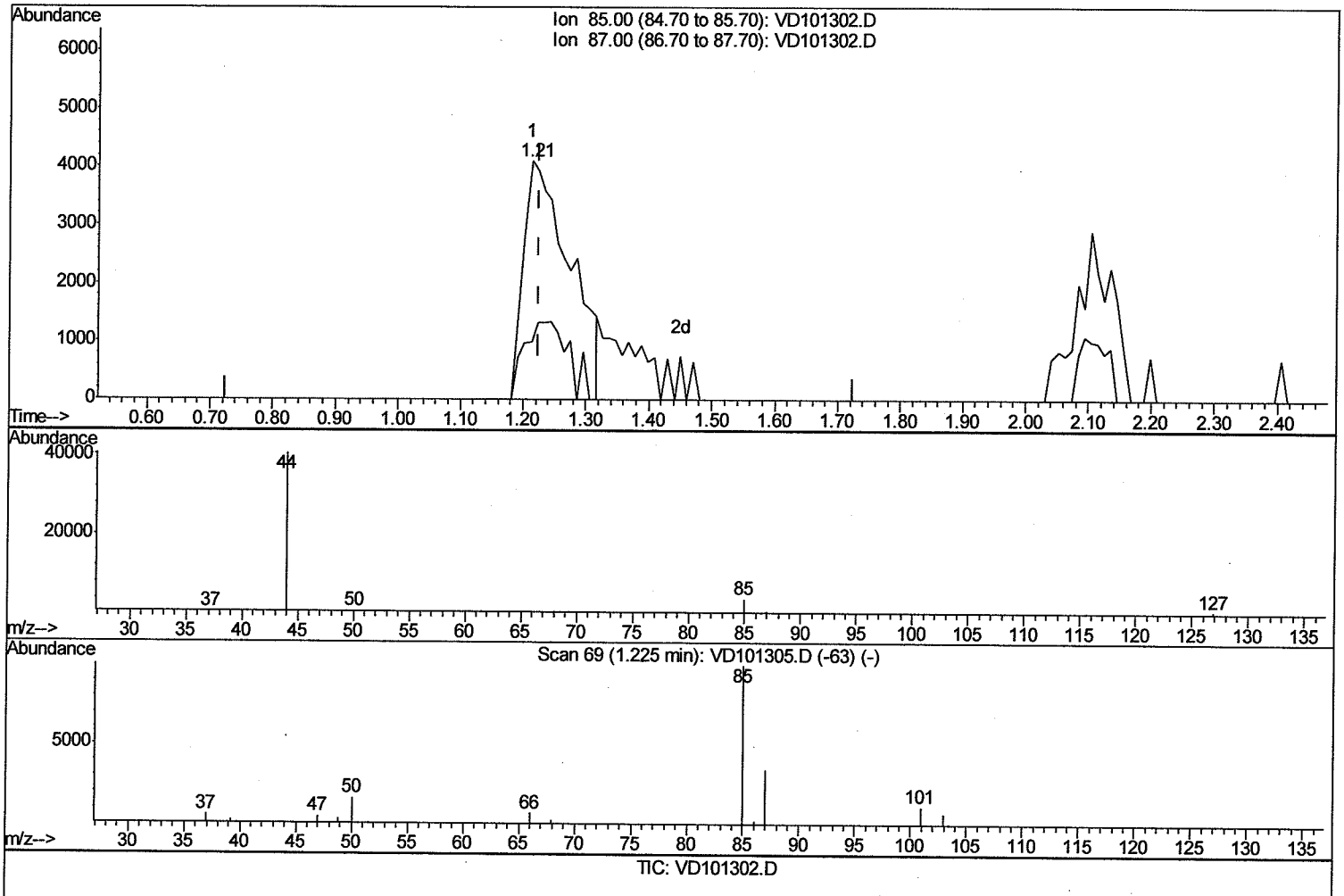
		Compound	5	10	20	50	100	Avg	%RSD
53)	T	1,2-Dibromoethane	0.324	0.309	0.334	0.332	0.297	0.319	4.87
54)	S	4-Bromofluorobenz	0.479	0.490	0.508	0.489	0.481	0.489	2.31
55)	I	Chlorobenzene-d5	----------ISTD----------						
56)	T	Tetrachloroethene	0.289	0.338	0.426	0.397	0.340	0.358	15.10
57)	PM	Chlorobenzene	0.846	0.701	0.800	0.744	0.672	0.753	9.45
58)	T	1,1,1,2-Tetrachlo	0.274	0.264	0.303	0.298	0.262	0.280	6.90
59)	C	Ethyl Benzene	0.422	0.355	0.401	0.389	0.320	0.378	10.63#
60)	T	m&p-Xylenes	0.508	0.424	0.472	0.444	0.375	0.445	11.28
61)	T	o-Xylene	0.502	0.423	0.509	0.463	0.404	0.460	10.11
62)	T	Styrene	0.869	0.778	0.846	0.815	0.692	0.800	8.69
63)	P	Bromoform	0.163	0.164	0.221	0.227	0.212	0.198	15.84
64)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
65)	T	Isopropylbenzene	2.483	2.126	2.378	2.212	1.960	2.232	9.24
66)	P	1,1,2,2-Tetrachlo	0.963	0.801	0.889	0.842	0.731	0.845	10.39
67)	T	1,2,3-Trichloropr	0.321	0.286	0.369	0.374	0.316	0.333	11.23
68)	T	Bromobenzene	0.685	0.597	0.639	0.624	0.567	0.623	7.17
69)	T	n-propylbenzene	2.868	2.497	2.711	2.616	2.334	2.605	7.82
70)	T	2-Chlorotoluene	1.820	1.608	1.678	1.602	1.426	1.627	8.77
71)	T	1,3,5-Trimethylbe	2.119	1.762	1.941	1.863	1.657	1.868	9.44
72)	T	4-Chlorotoluene	1.868	1.638	1.779	1.689	1.473	1.689	8.85
73)	T	tert-Butylbenzene	1.870	1.513	1.643	1.589	1.395	1.602	11.00
74)	T	1,2,4-Trimethylbe	2.140	1.744	1.950	1.842	1.651	1.865	10.15
75)	T	sec-Butylbenzene	2.558	2.134	2.353	2.284	2.009	2.268	9.27
76)	T	4-Isopropyltoluen	1.971	1.731	1.954	1.884	1.673	1.843	7.28
77)	T	1,3-Dichlorobenze	1.238	1.036	1.151	1.118	0.957	1.100	9.81
78)	T	1,4-Dichlorobenze	1.298	1.041	1.188	1.121	0.961	1.122	11.60
79)	T	n-Butylbenzene	1.903	1.601	1.800	1.749	1.540	1.719	8.59
80)	T	1,2-Dichlorobenze	1.203	0.985	1.109	1.100	0.908	1.061	10.84
81)	T	1,2-Dibromo-3-Chl	0.162	0.154	0.184	0.194	0.172	0.173	9.50
82)	T	1,2,4-Trichlorobe	0.730	0.576	0.687	0.649	0.573	0.643	10.66
83)	T	Hexachlorobutadie	0.206	0.175	0.212	0.206	0.179	0.196	8.64
84)	T	Naphthalene	2.178	1.768	2.195	2.047	1.793	1.996	10.29
85)	T	1,2,3-Trichlorobe	0.693	0.578	0.669	0.611	0.544	0.619	10.03

(#) = Out of Range

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101302.D

(2) Dichlorodifluoromethane (T)

1.213min (-0.012) 5.21ug/l m

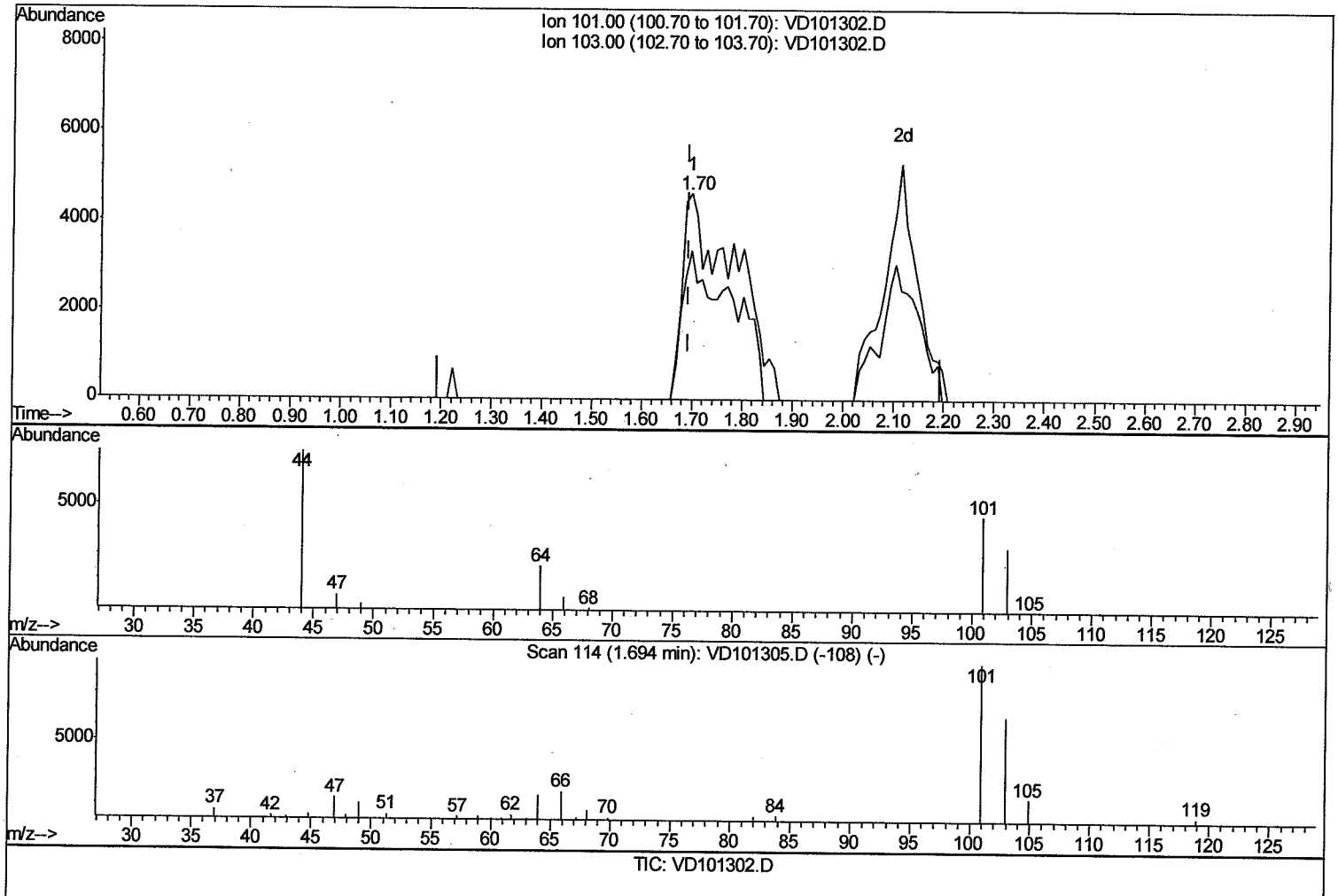
response 21033

Ion	Exp%	Act%
85.00	100	100
87.00	34.40	24.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101302.D

(7) Trichlorofluoromethane (T)

1.699min (+0.005) 6.69ug/l m

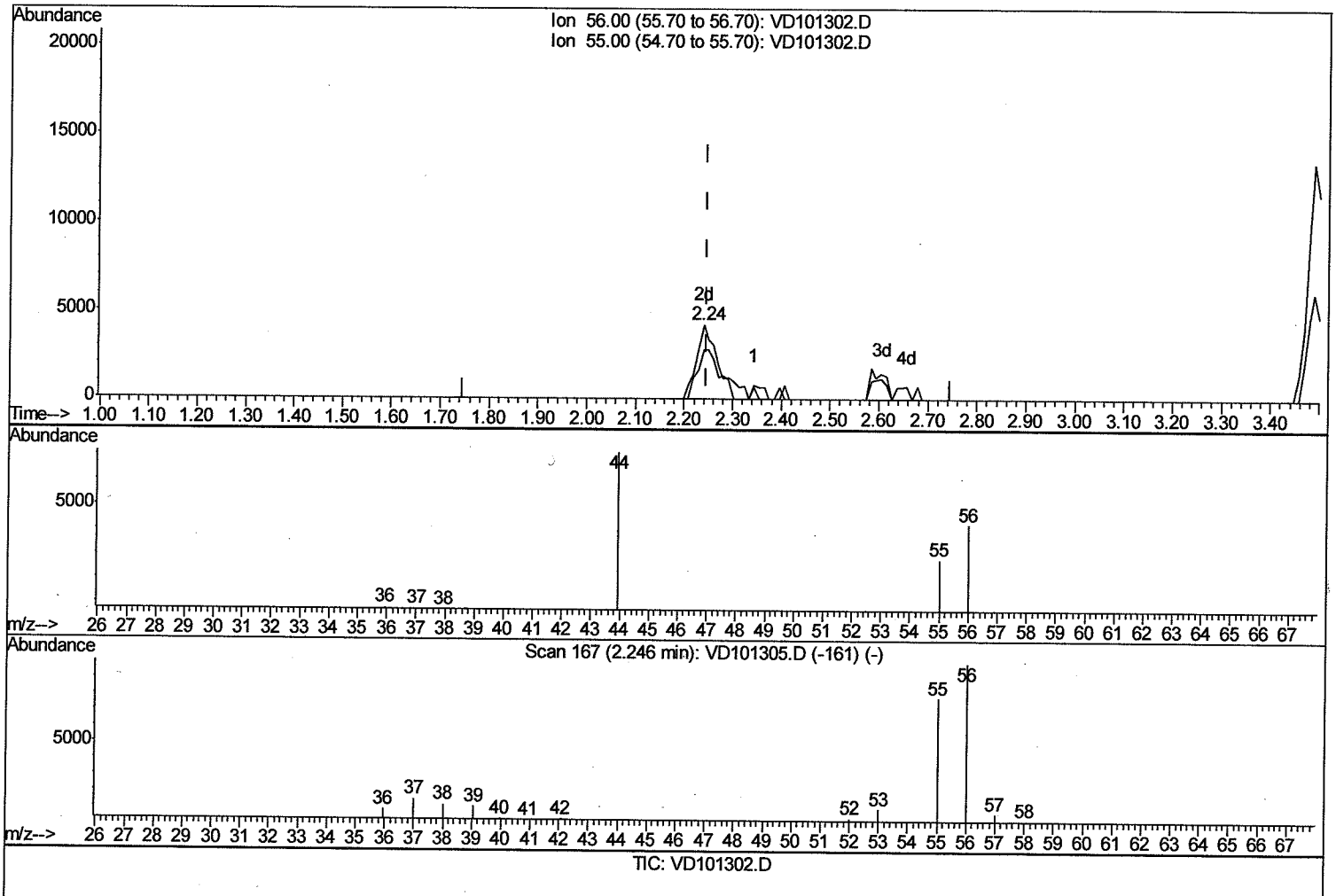
response 33237

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	72.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



(12) Acrolein (T)

2.240min (-0.006) 29.61ug/l m

response 13861

Ion	Exp%	Act%
56.00	100	100
55.00	29.90	3.15#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.07	168	508011	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.54	114	868068	50.00	ug/l		0.00
55) Chlorobenzene-d5	7.61	117	786901	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	415814	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.12	65	427301	48.23	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.46%				
31) Dibromofluoromethane	3.69	113	359107	51.17	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.34%				
41) Toluene-d8	5.88	98	956260	48.03	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.06%				
54) 4-Bromofluorobenzene	8.83	95	415559	48.90	ug/l		0.00
Spiked Amount 50.000			Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	21033m	5.21	ug/l		
3) Chloromethane	1.33	50	25399	6.50	ug/l		96
4) Vinyl Chloride	1.41	62	20263	5.78	ug/l		88
5) Bromomethane	1.57	94	14578	7.25	ug/l		88
6) Chloroethane	1.68	64	14843	9.90	ug/l		88
7) Trichlorofluoromethane	1.70	101	33237m	6.69	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.11	101	24395	6.07	ug/l		98
9) Tert butyl alcohol	2.67	59	18631	33.53	ug/l		100
10) 1,1-Dichloroethene	2.02	96	18482	5.94	ug/l		95
11) Iodomethane	2.11	142	38421	5.71	ug/l		99
12) Acrolein	2.24	56	13861m	29.61	ug/l		
13) Acrylonitrile	2.92	53	29465	27.53	ug/l	#	92
14) Acetone	2.46	43	50068	42.81	ug/l		93
15) Carbon Disulfide	2.04	76	38938	4.92	ug/l	#	83
16) Methyl Acetate	2.53	43	32119	5.83	ug/l		91
17) Methyl tert-butyl Ether	2.60	73	62292	6.13	ug/l	#	90
18) Methylene Chloride	2.41	84	24149	6.49	ug/l		95
19) trans-1,2-Dichloroethene	2.51	96	22473	6.00	ug/l		96
20) Vinyl Acetate	3.13	43	260745	43.10	ug/l		95
21) 1,1-Dichloroethane	2.94	63	41039	6.18	ug/l		94
22) 2-Butanone	3.79	43	105261	30.10	ug/l	#	89
23) 2,2-Dichloropropane	3.42	77	32048	5.65	ug/l		96
24) cis-1,2-Dichloroethene	3.33	96	26905	5.04	ug/l		96
25) Bromochloromethane	3.48	49	24367	5.75	ug/l	#	94
26) Chloroform	3.54	83	52047	5.67	ug/l		91
27) Cyclohexane	3.49	56	37343	6.05	ug/l		92
28) 1,1,1-Trichloroethane	3.71	97	38788	5.20	ug/l		96
32) 1,1-Dichloropropene	3.80	75	38091	5.76	ug/l		96
33) Carbon Tetrachloride	3.66	117	39137	5.14	ug/l		96
34) Methylcyclohexane	4.51	83	46900	7.59	ug/l		94
35) Benzene	4.01	78	81669	5.40	ug/l		100
36) 1,2-Dichloroethane	4.18	62	44148	5.80	ug/l		100
37) Trichloroethene	4.51	130	27866	5.11	ug/l		94
38) 1,2-Dichloropropane	4.99	63	25814	5.50	ug/l		92

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

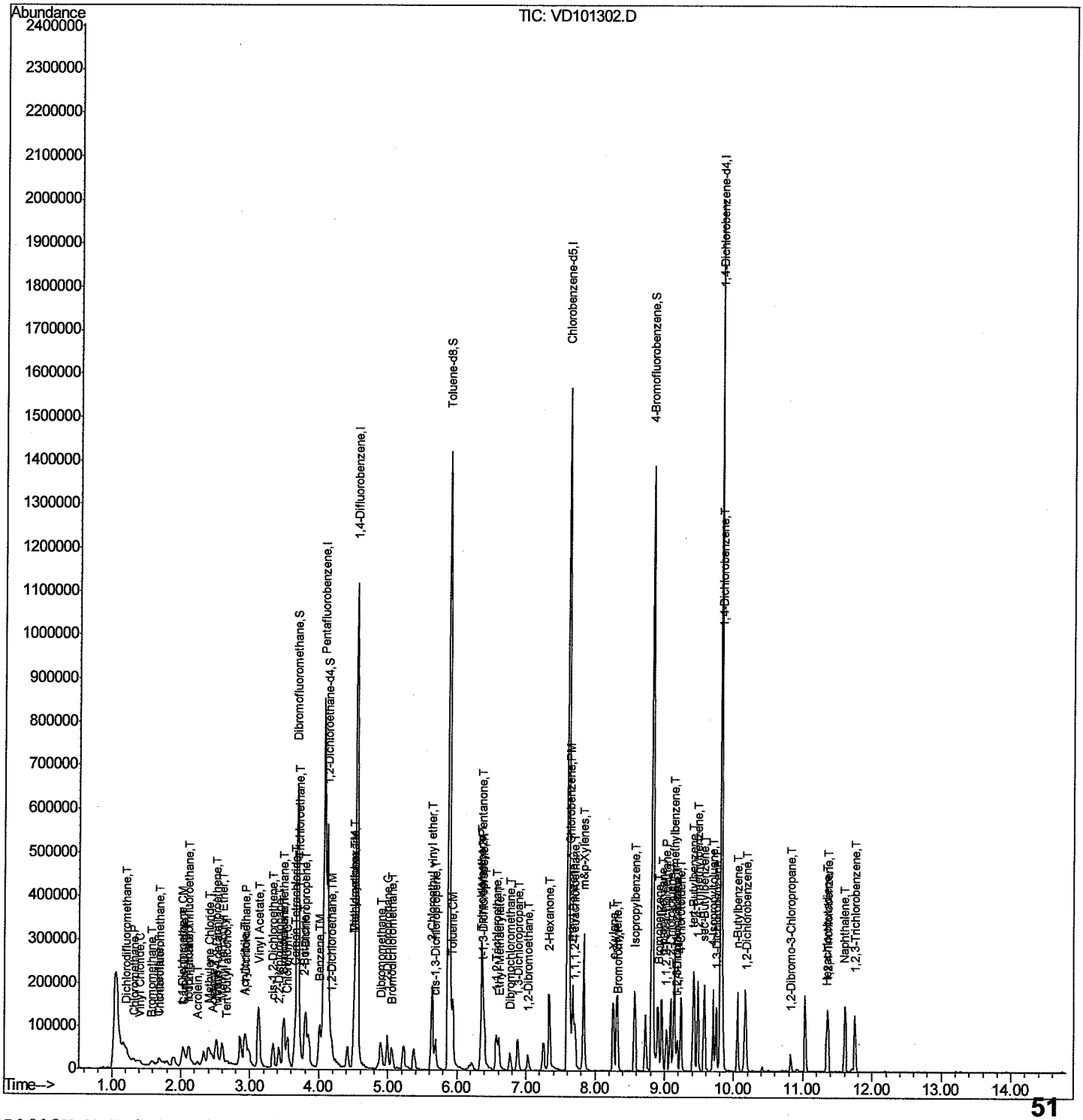
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.90	93	20725	5.07 ug/l	96
40) Bromodichloromethane	5.05	83	30566	4.57 ug/l #	95
42) 4-Methyl-2-Pentanone	6.36	43	187449	30.20 ug/l	99
43) t-1,4-Dichloro-2-butene	9.18	53	16853	5.30 ug/l #	84
44) Toluene	5.93	92	54446	5.48 ug/l	99
45) t-1,3-Dichloropropene	6.39	75	32938	4.53 ug/l	93
46) cis-1,3-Dichloropropene	5.69	75	35908	4.86 ug/l	100
47) Ethyl Methacrylate	6.61	69	35426	4.91 ug/l	80
48) 1,1,2-Trichloroethane	6.57	97	25126	5.34 ug/l	95
49) 1,3-Dichloropropane	6.88	76	42927	5.33 ug/l	99
50) 2-Chloroethyl vinyl ether	5.63	63	86959	26.23 ug/l	96
51) 2-Hexanone	7.33	43	152469	29.55 ug/l	99
52) Dibromochloromethane	6.77	129	22947	4.24 ug/l	97
53) 1,2-Dibromoethane	7.03	107	28137	4.88 ug/l	95
56) Tetrachloroethene	6.35	164	22727	3.63 ug/l	93
57) Chlorobenzene	7.63	112	66608	5.69 ug/l	98
58) 1,1,1,2-Tetrachloroethane	7.70	131	21570	4.59 ug/l	82
59) Ethyl Benzene	7.67	106	33212	5.43 ug/l	100
60) m&p-Xylenes	7.83	106	79991	11.44 ug/l	94
61) o-Xylene	8.26	106	39475	5.42 ug/l	99
62) Styrene	8.32	104	68377	5.33 ug/l	99
63) Bromoform	8.33	173	12852	3.60 ug/l #	85
65) Isopropylbenzene	8.57	105	103244	5.61 ug/l	99
66) 1,1,2,2-Tetrachloroethane	9.02	83	40028	5.72 ug/l	97
67) 1,2,3-Trichloropropane	9.18	75	13356	4.30 ug/l #	34
68) Bromobenzene	8.91	156	28489	5.49 ug/l	97
69) n-propylbenzene	8.96	91	119252	5.48 ug/l	99
70) 2-Chlorotoluene	9.09	91	75664	5.68 ug/l	95
71) 1,3,5-Trimethylbenzene	9.14	105	88128	5.69 ug/l	99
72) 4-Chlorotoluene	9.23	91	77680	5.53 ug/l	99
73) tert-Butylbenzene	9.42	119	77752	5.88 ug/l	98
74) 1,2,4-Trimethylbenzene	9.48	105	88972	5.81 ug/l	99
75) sec-Butylbenzene	9.57	105	106384	5.60 ug/l	99
76) 4-Isopropyltoluene	9.70	119	81966	5.23 ug/l	97
77) 1,3-Dichlorobenzene	9.75	146	51462	5.53 ug/l	98
78) 1,4-Dichlorobenzene	9.83	146	53986	5.79 ug/l	92
79) n-Butylbenzene	10.06	91	79145	5.44 ug/l	99
80) 1,2-Dichlorobenzene	10.18	146	50007	5.47 ug/l	100
81) 1,2-Dibromo-3-Chloropropan	10.82	75	6725	4.16 ug/l	91
82) 1,2,4-Trichlorobenzene	11.36	180	30347	5.62 ug/l	94
83) Hexachlorobutadiene	11.34	225	8547	4.98 ug/l	91
84) Naphthalene	11.60	128	90567	5.32 ug/l	100
85) 1,2,3-Trichlorobenzene	11.75	180	28829	5.67 ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

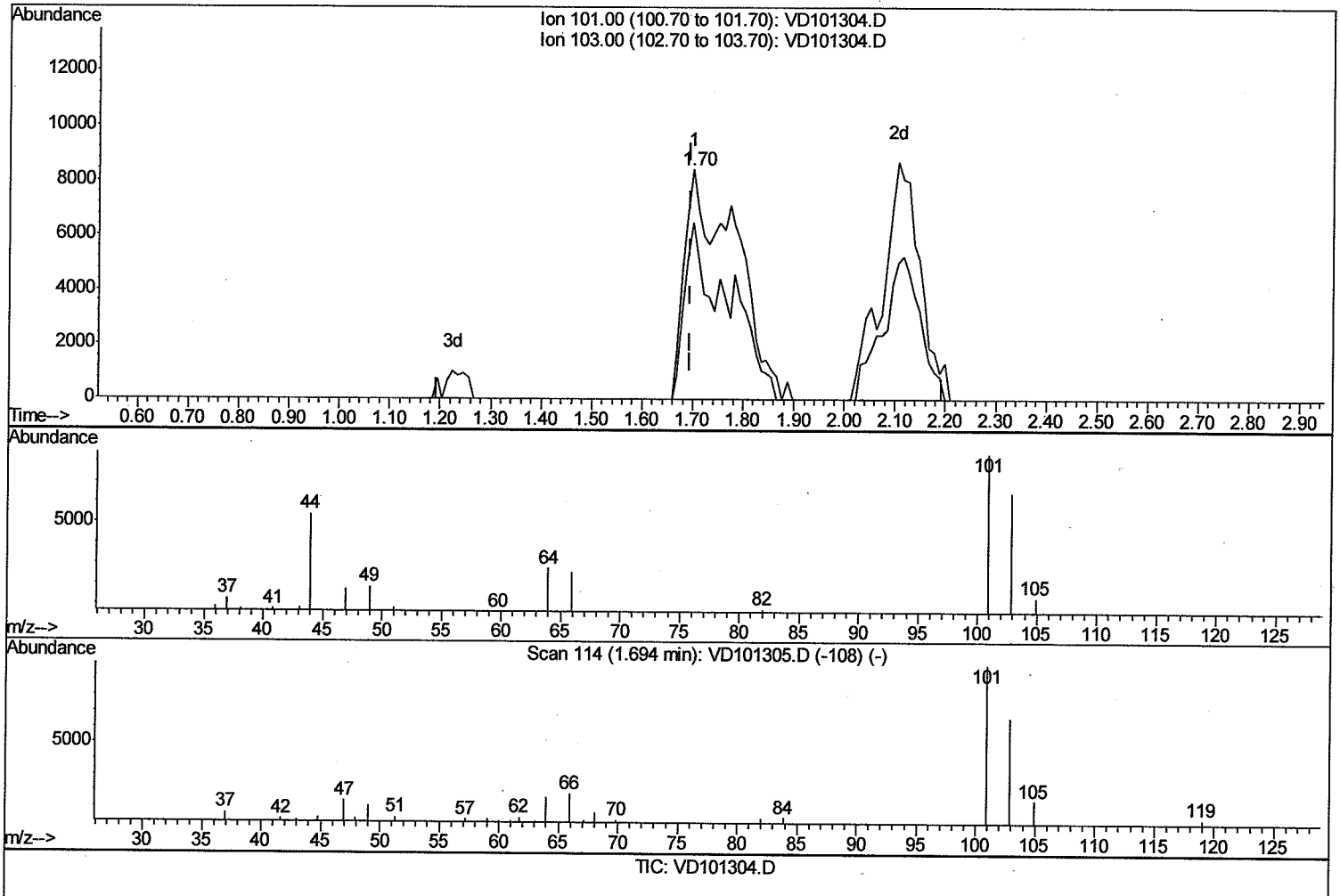
Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101302.D
Acq On : 13 Oct 2005 2:03 pm
Operator : sam
Sample : 5 PPB ICC
Misc : 5mL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 13 16:04:24 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101304.D
Acq On : 13 Oct 2005 2:51 pm
Operator : sam
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 15:54:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101304.D

(7) Trichlorofluoromethane (T)

1.701min (+0.007) 11.91ug/l m

response 59111

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	77.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101304.D
Acq On : 13 Oct 2005 2:51 pm
Operator : sam
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 15:54:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.08	168	507666	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.54	114	834552	50.00	ug/l		0.00
55) Chlorobenzene-d5	7.61	117	782053	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	404147	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.12	65	430649	48.64	ug/l		0.00
Spiked Amount 50.000			Recovery = 97.28%				
31) Dibromofluoromethane	3.69	113	337837	50.07	ug/l		-0.01
Spiked Amount 50.000			Recovery = 100.14%				
41) Toluene-d8	5.89	98	963290	50.33	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.66%				
54) 4-Bromofluorobenzene	8.82	95	408732	50.03	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.23	85	41912	10.40	ug/l		95
3) Chloromethane	1.32	50	36671	9.39	ug/l	#	85
4) Vinyl Chloride	1.41	62	34818	9.93	ug/l		95
5) Bromomethane	1.58	94	23947	11.91	ug/l		93
6) Chloroethane	1.68	64	21281	14.21	ug/l		96
7) Trichlorofluoromethane	1.70	101	59111m	11.91	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.11	101	45222	11.27	ug/l		98
9) Tert butyl alcohol	2.68	59	33392	60.14	ug/l		100
10) 1,1-Dichloroethene	2.02	96	33331	10.73	ug/l		91
11) Iodomethane	2.12	142	68523	10.19	ug/l		96
12) Acrolein	2.25	56	21187	45.30	ug/l	#	16
13) Acrylonitrile	2.93	53	56255	52.59	ug/l		98
14) Acetone	2.45	43	71385	61.08	ug/l		96
15) Carbon Disulfide	2.04	76	76153	9.63	ug/l		98
16) Methyl Acetate	2.53	43	45781	8.32	ug/l		97
17) Methyl tert-butyl Ether	2.61	73	104604	10.30	ug/l		99
18) Methylene Chloride	2.41	84	40138	10.79	ug/l		100
19) trans-1,2-Dichloroethene	2.51	96	38626	10.32	ug/l		92
20) Vinyl Acetate	3.13	43	379542	62.78	ug/l		98
21) 1,1-Dichloroethane	2.94	63	67220	10.14	ug/l		96
22) 2-Butanone	3.80	43	165896	47.46	ug/l		95
23) 2,2-Dichloropropane	3.43	77	53614	9.45	ug/l		99
24) cis-1,2-Dichloroethene	3.34	96	49652	9.31	ug/l		97
25) Bromochloromethane	3.49	49	44868	10.59	ug/l	#	88
26) Chloroform	3.54	83	88254	9.63	ug/l		97
27) Cyclohexane	3.49	56	64173	10.41	ug/l		96
28) 1,1,1-Trichloroethane	3.71	97	70614	9.47	ug/l		91
32) 1,1-Dichloropropene	3.81	75	63388	9.97	ug/l		98
33) Carbon Tetrachloride	3.66	117	66578	9.09	ug/l		97
34) Methylcyclohexane	4.51	83	71704	12.07	ug/l		91
35) Benzene	4.01	78	143349	9.86	ug/l		100
36) 1,2-Dichloroethane	4.18	62	71609	9.79	ug/l		99
37) Trichloroethene	4.52	130	49057	9.35	ug/l		90
38) 1,2-Dichloropropane	4.99	63	44118	9.77	ug/l		96

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101304.D
Acq On : 13 Oct 2005 2:51 pm
Operator : sam
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 15:54:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

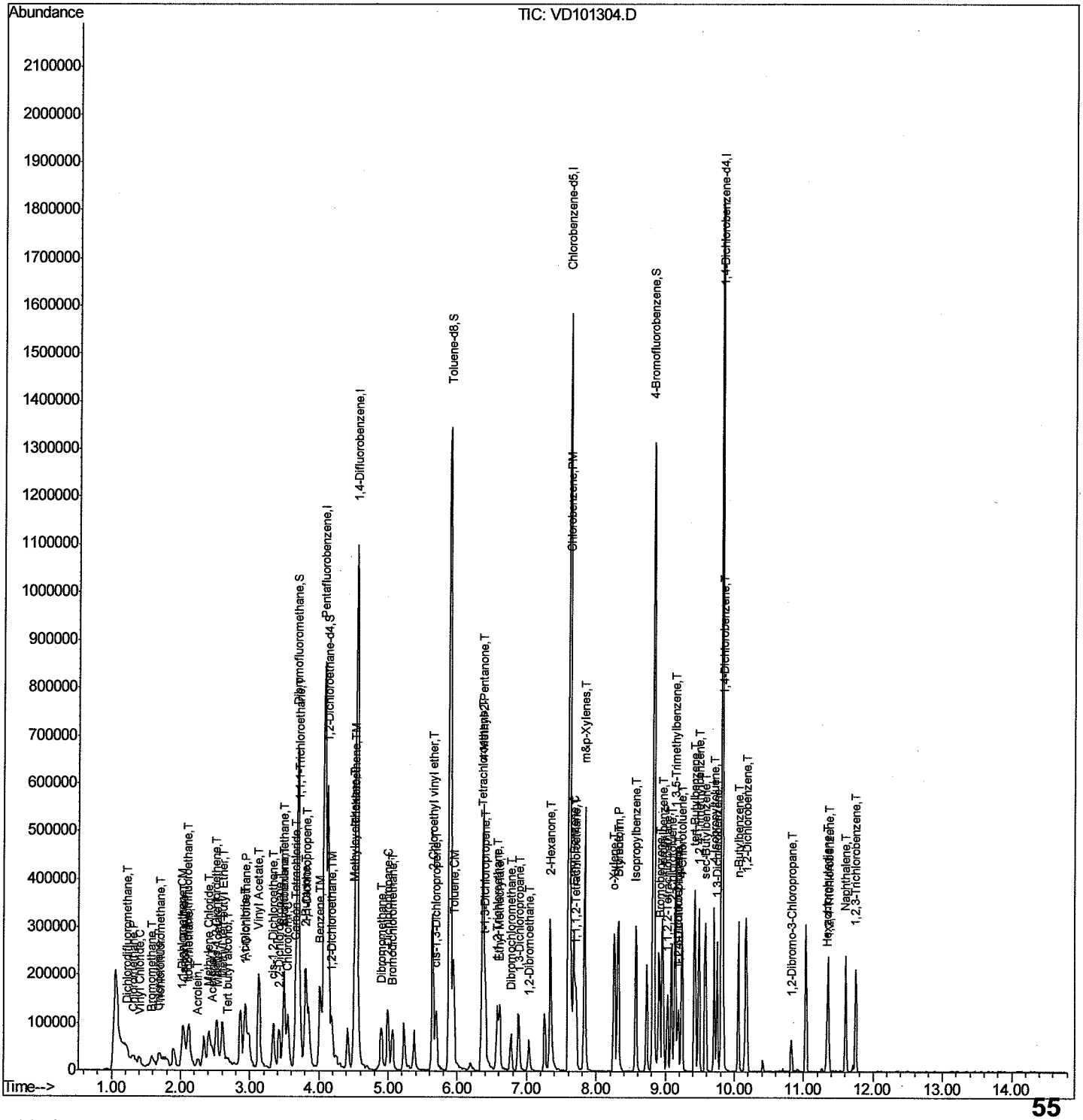
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.89	93	36249	9.23 ug/l	98
40) Bromodichloromethane	5.06	83	55806	8.68 ug/l	98
42) 4-Methyl-2-Pentanone	6.37	43	317924	53.28 ug/l	100
43) t-1,4-Dichloro-2-butene	9.18	53	29358	9.61 ug/l	89
44) Toluene	5.94	92	92370	9.68 ug/l	100
45) t-1,3-Dichloropropene	6.40	75	58855	8.41 ug/l	98
46) cis-1,3-Dichloropropene	5.69	75	59576	8.38 ug/l	100
47) Ethyl Methacrylate	6.61	69	63741	9.19 ug/l	92
48) 1,1,2-Trichloroethane	6.58	97	45310	10.02 ug/l	96
49) 1,3-Dichloropropane	6.89	76	75836	9.80 ug/l	99
50) 2-Chloroethyl vinyl ether	5.64	63	150343	47.17 ug/l	98
51) 2-Hexanone	7.33	43	245187	49.42 ug/l	97
52) Dibromochloromethane	6.77	129	41595	8.00 ug/l	98
53) 1,2-Dibromoethane	7.03	107	51601	9.32 ug/l	96
56) Tetrachloroethene	6.36	164	52814	8.50 ug/l	97
57) Chlorobenzene	7.63	112	109646	9.42 ug/l	98
58) 1,1,1,2-Tetrachloroethane	7.71	131	41222	8.83 ug/l	95
59) Ethyl Benzene	7.68	106	55521	9.13 ug/l	100
60) m&p-Xylenes	7.83	106	132502	19.06 ug/l	100
61) o-Xylene	8.26	106	66195	9.15 ug/l	92
62) Styrene	8.32	104	121666	9.55 ug/l	97
63) Bromoform	8.32	173	25696	7.24 ug/l	98
65) Isopropylbenzene	8.57	105	171866	9.61 ug/l	100
66) 1,1,2,2-Tetrachloroethane	9.03	83	64732	9.52 ug/l	98
67) 1,2,3-Trichloropropane	9.18	75	23090	7.65 ug/l #	34
68) Bromobenzene	8.91	156	48276	9.56 ug/l	99
69) n-propylbenzene	8.96	91	201791	9.55 ug/l	99
70) 2-Chlorotoluene	9.09	91	129938	10.03 ug/l	97
71) 1,3,5-Trimethylbenzene	9.14	105	142407	9.46 ug/l	100
72) 4-Chlorotoluene	9.24	91	132404	9.70 ug/l	98
73) tert-Butylbenzene	9.42	119	122274	9.52 ug/l	99
74) 1,2,4-Trimethylbenzene	9.49	105	141001	9.47 ug/l	97
75) sec-Butylbenzene	9.58	105	172512	9.34 ug/l	99
76) 4-Isopropyltoluene	9.70	119	139894	9.19 ug/l	99
77) 1,3-Dichlorobenzene	9.75	146	83708	9.26 ug/l	99
78) 1,4-Dichlorobenzene	9.83	146	84178	9.29 ug/l	93
79) n-Butylbenzene	10.06	91	129436	9.15 ug/l	99
80) 1,2-Dichlorobenzene	10.17	146	79625	8.96 ug/l	98
81) 1,2-Dibromo-3-Chloropropan	10.83	75	12409	7.90 ug/l	93
82) 1,2,4-Trichlorobenzene	11.37	180	46585	8.87 ug/l	97
83) Hexachlorobutadiene	11.34	225	14178	8.50 ug/l	92
84) Naphthalene	11.60	128	142884	8.64 ug/l	100
85) 1,2,3-Trichlorobenzene	11.75	180	46728	9.46 ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101304.D
Acq On : 13 Oct 2005 2:51 pm
Operator : sam
Sample : 10 PPB ICC
Misc : 5mL
ALS Vial : 4 Sample Multiplier: 1

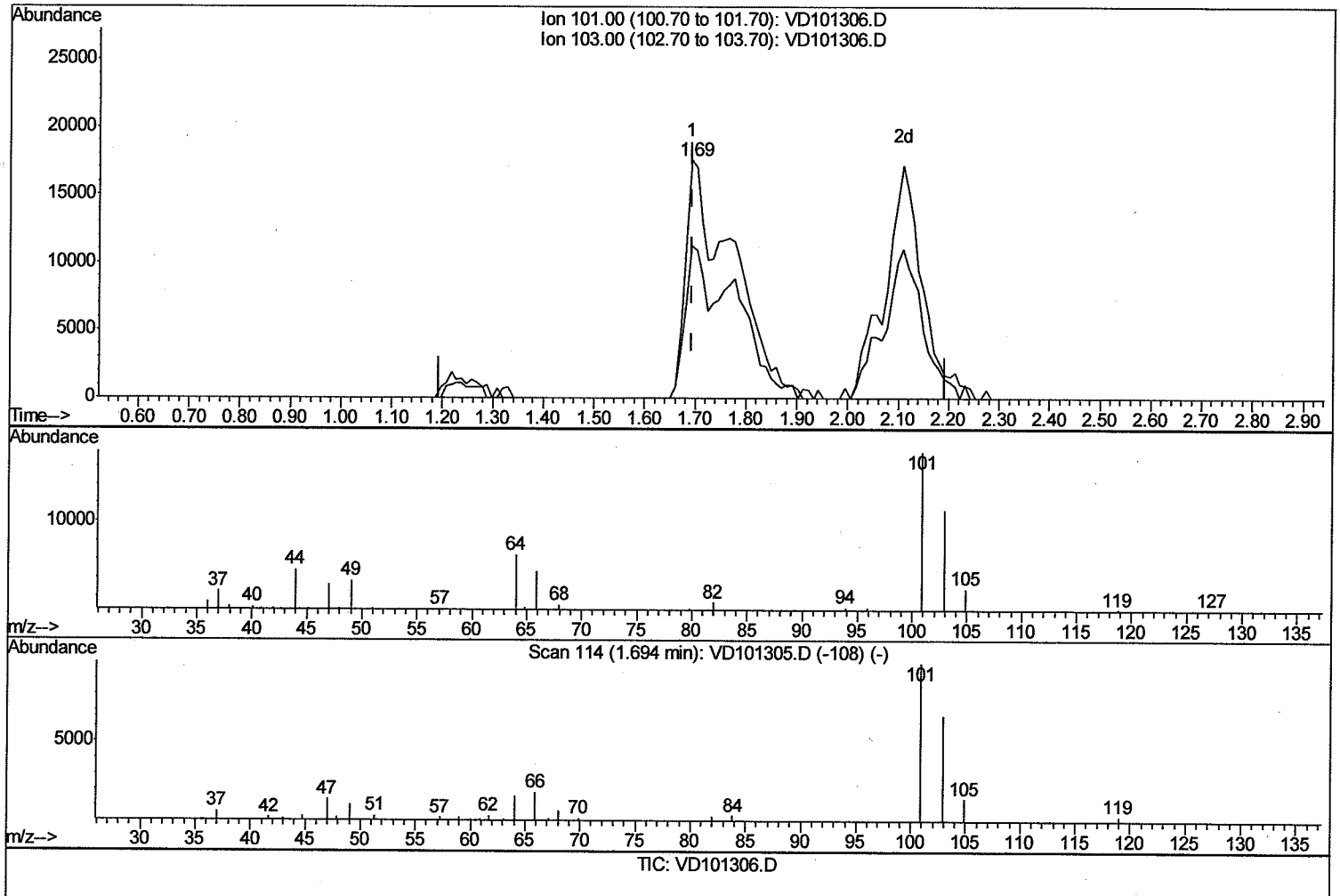
Quant Time: Oct 13 15:54:46 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101306.D
Acq On : 13 Oct 2005 3:40 pm
Operator : sam
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 16:08:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101306.D

(7) Trichlorofluoromethane (T)

1.692min (-0.002) 20.17ug/l m

response 112268

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	64.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101306.D
Acq On : 13 Oct 2005 3:40 pm
Operator : sam
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 16:08:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.08	168	569558	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.54	114	903931	50.00	ug/l		0.00
55) Chlorobenzene-d5	7.62	117	825389	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	450399	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.13	65	460294	46.34	ug/l		0.00
Spiked Amount 50.000			Recovery = 92.68%				
31) Dibromofluoromethane	3.69	113	371779	50.87	ug/l		0.00
Spiked Amount 50.000			Recovery = 101.74%				
41) Toluene-d8	5.89	98	1067219	51.48	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.96%				
54) 4-Bromofluorobenzene	8.83	95	458927	51.87	ug/l		0.00
Spiked Amount 50.000			Recovery = 103.74%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.22	85	81223	17.96	ug/l		98
3) Chloromethane	1.31	50	87976	20.08	ug/l		93
4) Vinyl Chloride	1.40	62	76039	19.33	ug/l		97
5) Bromomethane	1.57	94	50868	22.55	ug/l		83
6) Chloroethane	1.67	64	36672	21.82	ug/l		95
7) Trichlorofluoromethane	1.69	101	112268m	20.17	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.11	101	90583	20.11	ug/l		99
9) Tert butyl alcohol	2.69	59	73621	118.18	ug/l		100
10) 1,1-Dichloroethene	2.03	96	65736	18.85	ug/l		93
11) Iodomethane	2.12	142	141745	18.79	ug/l		99
12) Acrolein	2.25	56	45683	87.05	ug/l	#	27
13) Acrylonitrile	2.92	53	115209	96.00	ug/l		97
14) Acetone	2.45	43	141413	107.85	ug/l		94
15) Carbon Disulfide	2.05	76	155616	17.54	ug/l		96
16) Methyl Acetate	2.53	43	107895	17.48	ug/l		99
17) Methyl tert-butyl Ether	2.60	73	234778	20.60	ug/l		99
18) Methylene Chloride	2.40	84	81221	19.45	ug/l		95
19) trans-1,2-Dichloroethene	2.52	96	81566	19.42	ug/l		99
20) Vinyl Acetate	3.13	43	754468	111.24	ug/l		99
21) 1,1-Dichloroethane	2.94	63	151128	20.31	ug/l		99
22) 2-Butanone	3.81	43	396749	101.18	ug/l		99
23) 2,2-Dichloropropane	3.42	77	126979	19.95	ug/l		98
24) cis-1,2-Dichloroethene	3.34	96	116232	19.43	ug/l		98
25) Bromochloromethane	3.48	49	85688	18.03	ug/l	#	94
26) Chloroform	3.55	83	204471	19.88	ug/l		98
27) Cyclohexane	3.49	56	147574	21.33	ug/l		98
28) 1,1,1-Trichloroethane	3.71	97	166236	19.86	ug/l	#	91
32) 1,1-Dichloropropene	3.81	75	147265	21.38	ug/l		97
33) Carbon Tetrachloride	3.65	117	159312	20.09	ug/l		97
34) Methylcyclohexane	4.51	83	154320	23.98	ug/l		99
35) Benzene	4.01	78	331276	21.03	ug/l		100
36) 1,2-Dichloroethane	4.18	62	168533	21.27	ug/l		100
37) Trichloroethene	4.52	130	121571	21.40	ug/l		96
38) 1,2-Dichloropropane	4.99	63	101479	20.75	ug/l		98

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101306.D
Acq On : 13 Oct 2005 3:40 pm
Operator : sam
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 16:08:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

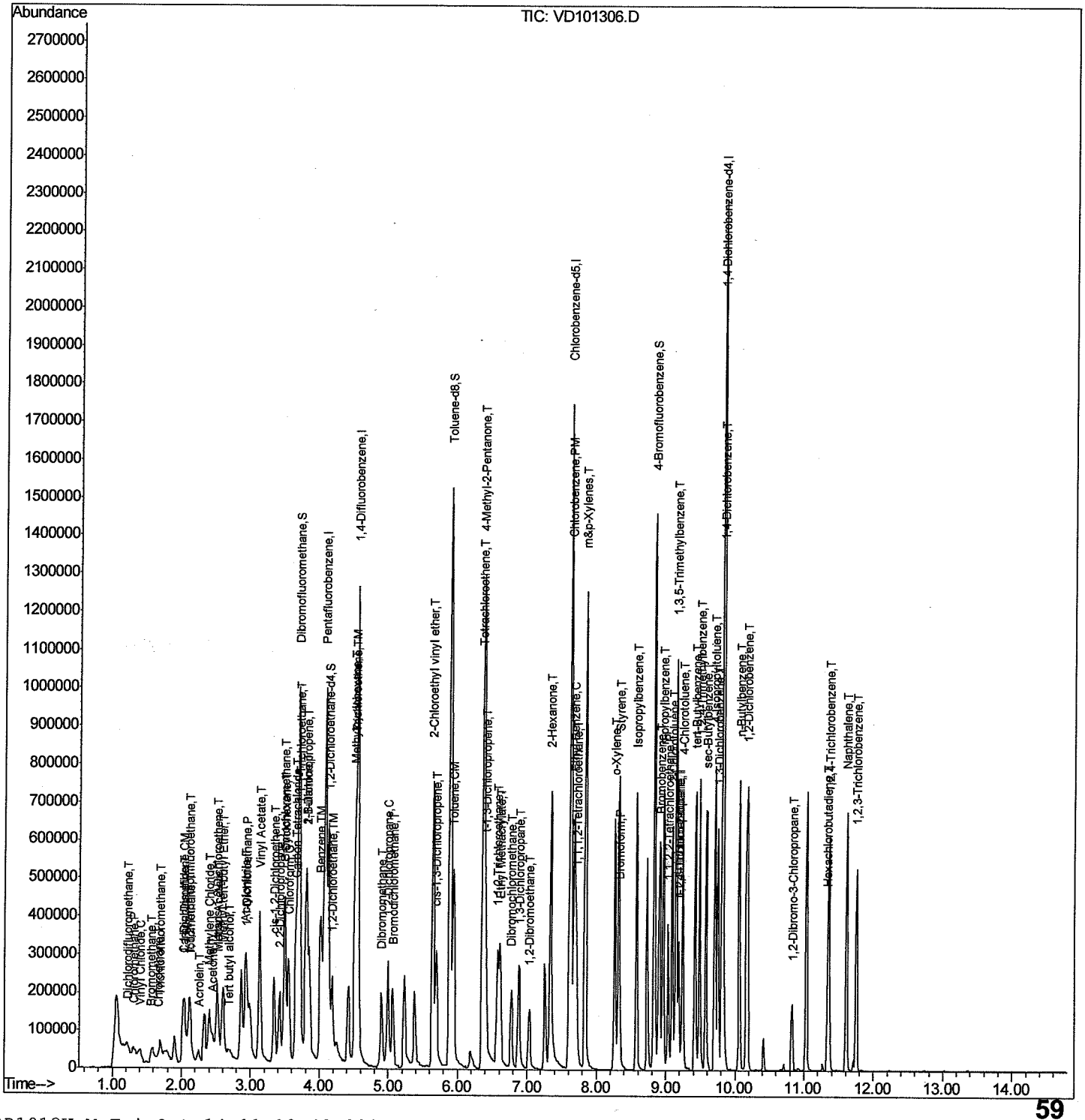
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Dibromomethane	4.90	93	86406	20.31 ug/l		98
40) Bromodichloromethane	5.06	83	134621	19.34 ug/l		96
42) 4-Methyl-2-Pentanone	6.37	43	746358	115.48 ug/l		99
43) t-1,4-Dichloro-2-butene	9.19	53	76268	23.04 ug/l		94
44) Toluene	5.94	92	220447	21.33 ug/l		98
45) t-1,3-Dichloropropene	6.40	75	156326	20.63 ug/l		98
46) cis-1,3-Dichloropropene	5.69	75	153705	19.96 ug/l		100
47) Ethyl Methacrylate	6.61	69	157606	20.98 ug/l		96
48) 1,1,2-Trichloroethane	6.57	97	102149	20.85 ug/l		98
49) 1,3-Dichloropropane	6.89	76	175530	20.94 ug/l		99
50) 2-Chloroethyl vinyl ether	5.64	63	365799	105.95 ug/l		100
51) 2-Hexanone	7.33	43	642908	119.65 ug/l		98
52) Dibromochloromethane	6.77	129	116070	20.62 ug/l		99
53) 1,2-Dibromoethane	7.03	107	120616	20.11 ug/l		97
56) Tetrachloroethene	6.36	164	140595	21.43 ug/l		95
57) Chlorobenzene	7.63	112	264211	21.50 ug/l		99
58) 1,1,1,2-Tetrachloroethane	7.71	131	99915	20.28 ug/l		95
59) Ethyl Benzene	7.68	106	132504	20.65 ug/l		100
60) m&p-Xylenes	7.83	106	311817	42.50 ug/l		100
61) o-Xylene	8.26	106	168039	22.01 ug/l		98
62) Styrene	8.32	104	279443	20.77 ug/l		99
63) Bromoform	8.33	173	73083	19.50 ug/l		99
65) Isopropylbenzene	8.57	105	428497	21.51 ug/l		99
66) 1,1,2,2-Tetrachloroethane	9.03	83	160229	21.13 ug/l		99
67) 1,2,3-Trichloropropane	9.19	75	66403	19.73 ug/l	#	34
68) Bromobenzene	8.91	156	115212	20.48 ug/l		99
69) n-propylbenzene	8.96	91	488452	20.73 ug/l		98
70) 2-Chlorotoluene	9.09	91	302346	20.95 ug/l		100
71) 1,3,5-Trimethylbenzene	9.14	105	349657	20.84 ug/l		99
72) 4-Chlorotoluene	9.24	91	320526	21.07 ug/l		100
73) tert-Butylbenzene	9.43	119	296053	20.68 ug/l		98
74) 1,2,4-Trimethylbenzene	9.49	105	351360	21.18 ug/l		98
75) sec-Butylbenzene	9.58	105	423838	20.60 ug/l		99
76) 4-Isopropyltoluene	9.70	119	352068	20.74 ug/l		99
77) 1,3-Dichlorobenzene	9.75	146	207379	20.59 ug/l		98
78) 1,4-Dichlorobenzene	9.83	146	213999	21.19 ug/l		99
79) n-Butylbenzene	10.06	91	324243	20.58 ug/l		100
80) 1,2-Dichlorobenzene	10.18	146	199784	20.17 ug/l		99
81) 1,2-Dibromo-3-Chloropropan	10.83	75	33193	18.97 ug/l		93
82) 1,2,4-Trichlorobenzene	11.36	180	123798	21.16 ug/l		99
83) Hexachlorobutadiene	11.34	225	38113	20.51 ug/l		96
84) Naphthalene	11.61	128	395388	21.44 ug/l		100
85) 1,2,3-Trichlorobenzene	11.76	180	120470	21.88 ug/l		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101306.D
Acq On : 13 Oct 2005 3:40 pm
Operator : sam
Sample : 20 PPB ICC
Misc : 5mL
ALS Vial : 6 Sample Multiplier: 1

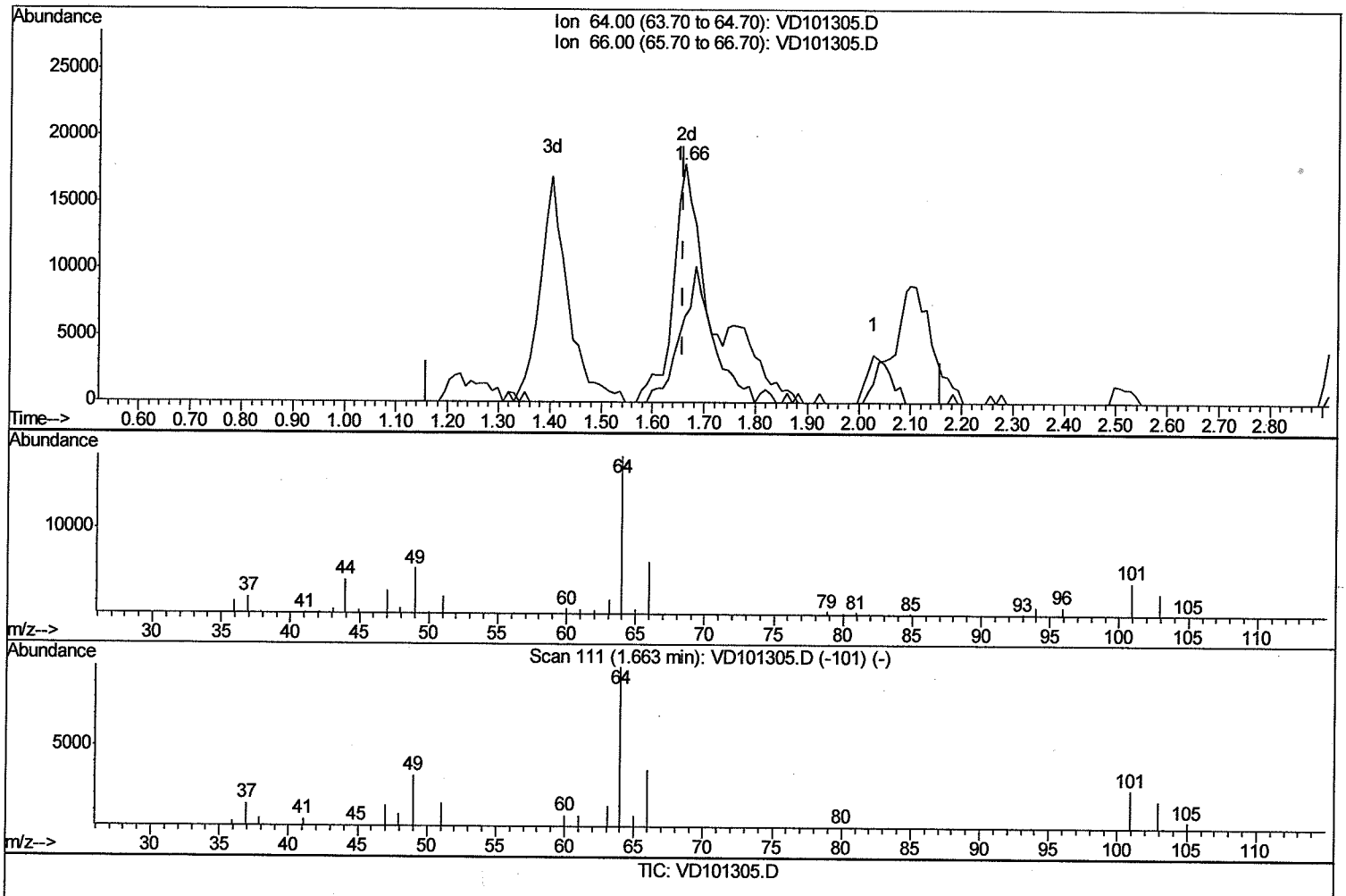
Quant Time: Oct 13 16:08:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration



(6) Chloroethane (T)

1.663min (+0.003) 50.00ug/l m

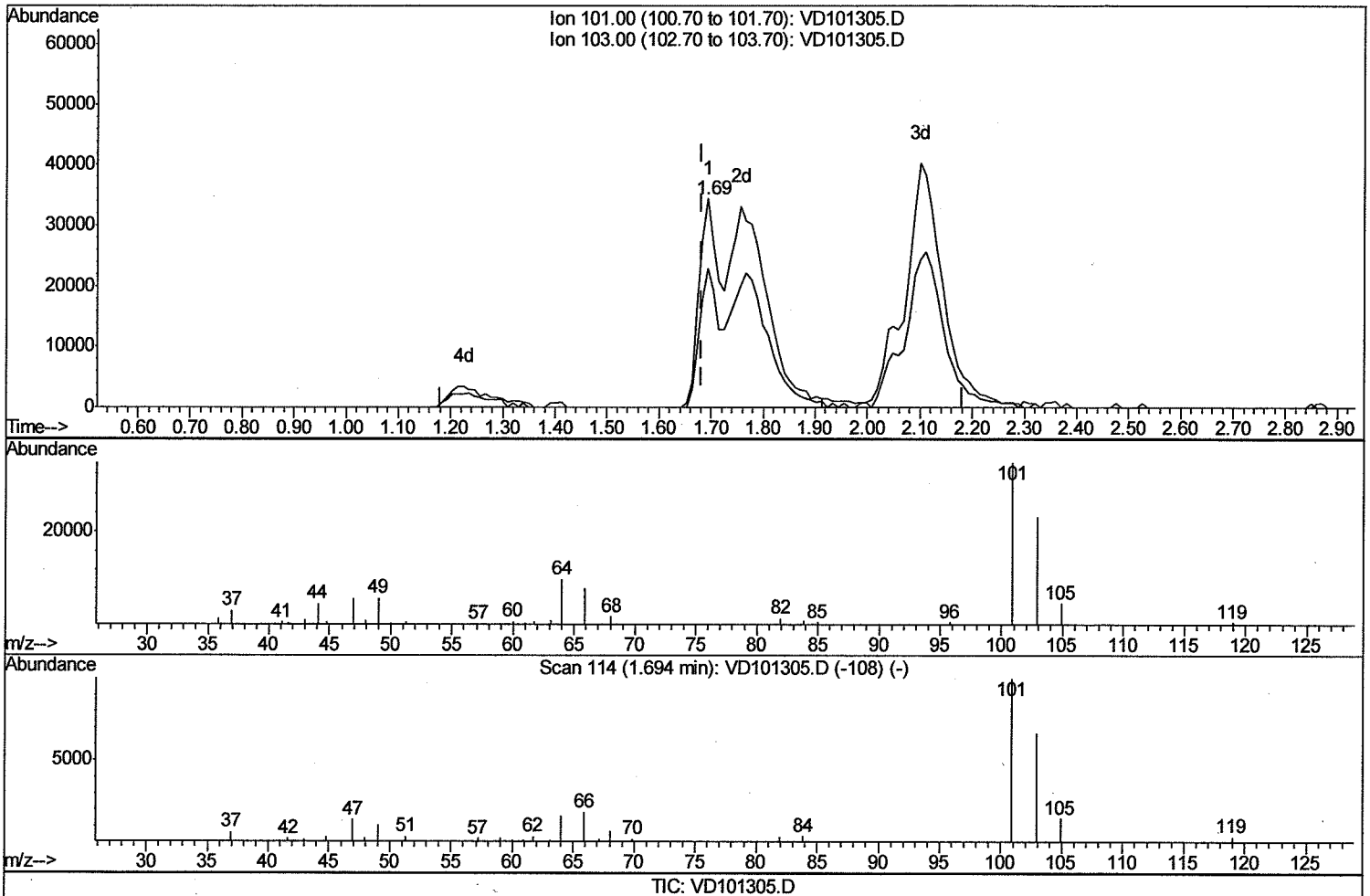
response 77273

Ion	Exp%	Act%
64.00	100	100
66.00	46.00	35.77#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration



TIC: VD101305.D

(7) Trichlorofluoromethane (T)

1.694min (+0.013) 50.00ug/l m

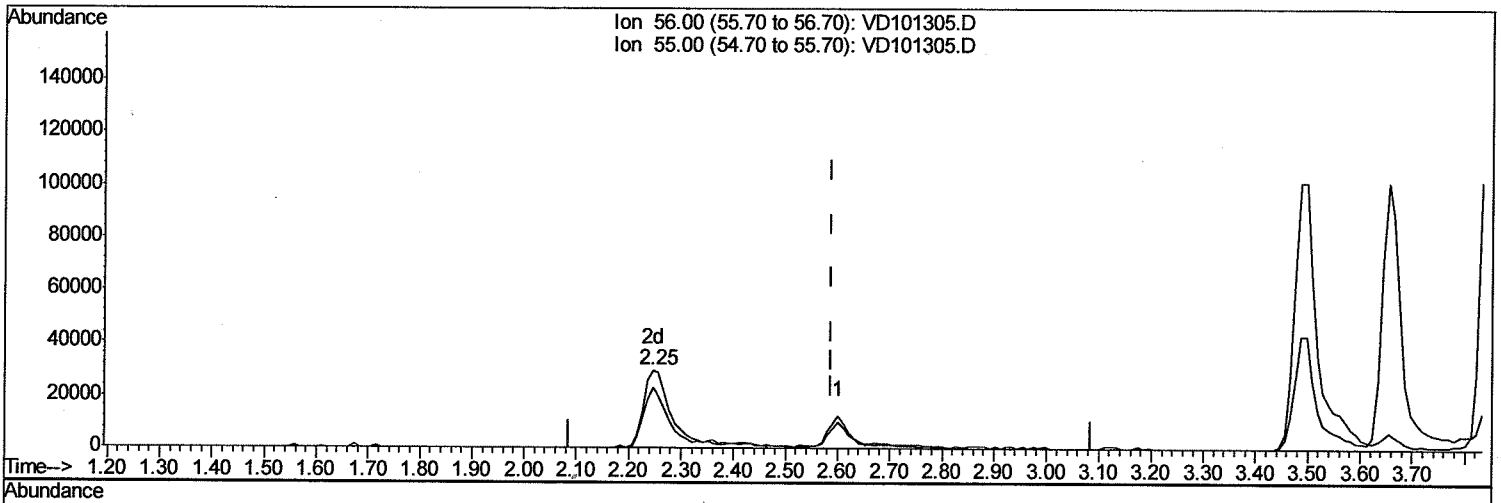
response 255940

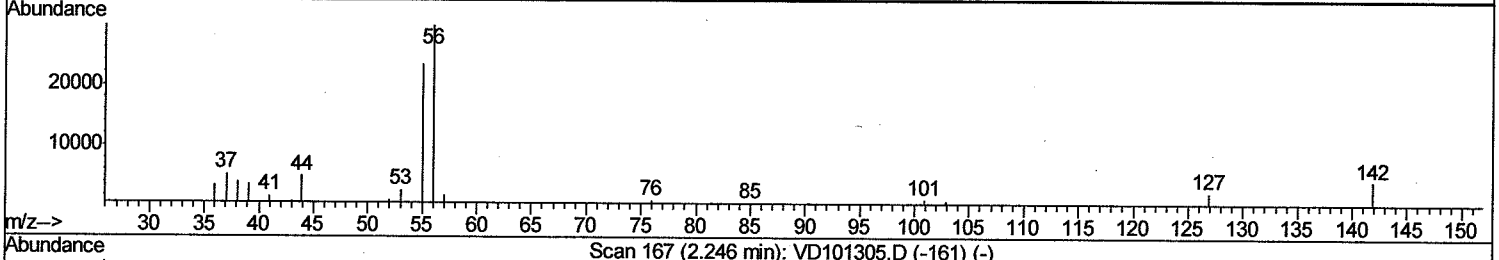
Ion	Exp%	Act%
101.00	100	100
103.00	62.00	66.80
0.00	0.00	0.00
0.00	0.00	0.00

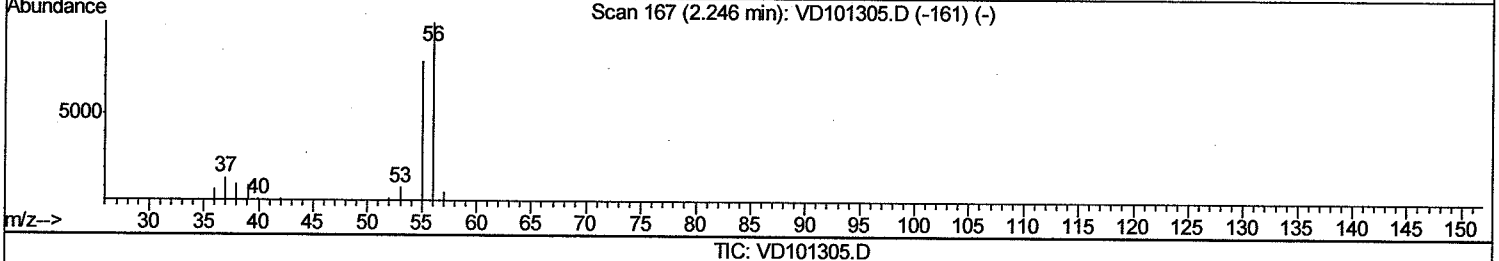
Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration







TIC: VD101305.D

(12) Acrolein (T)

2.246min (-0.340) 251.58ug/l m

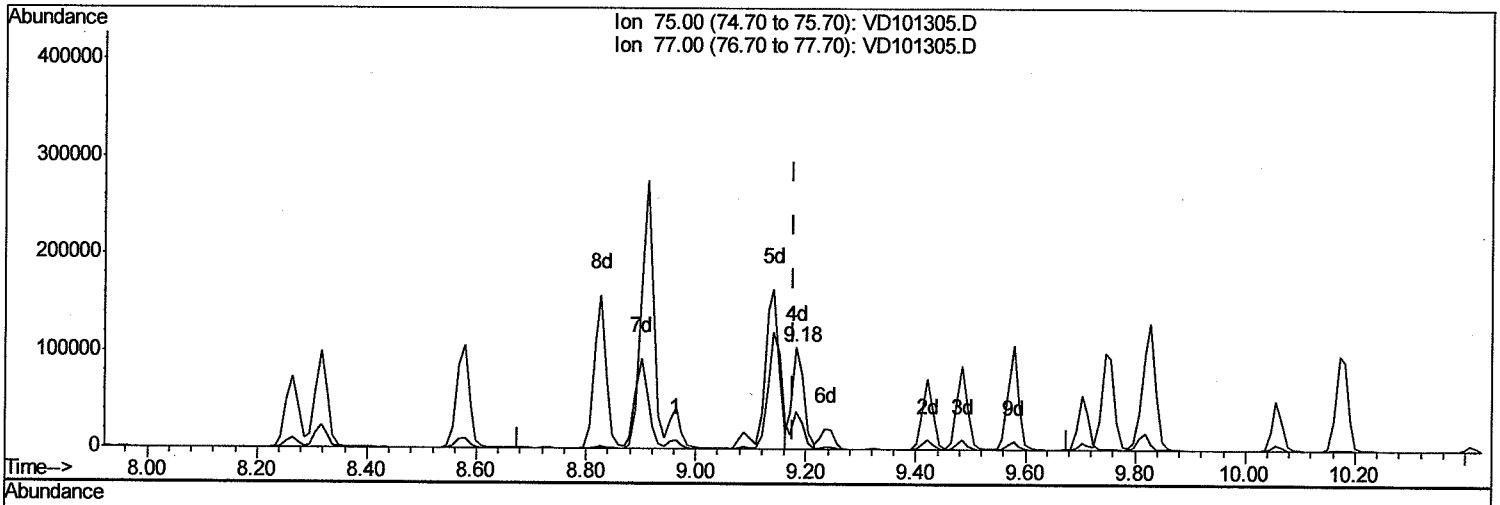
response 120645

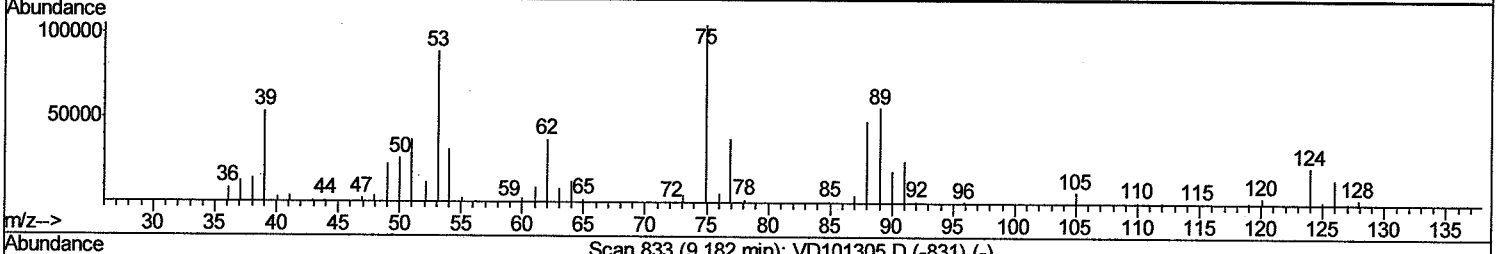
Ion	Exp%	Act%
56.00	100	100
55.00	170.50	29.89#
0.00	0.00	0.00
0.00	0.00	0.00

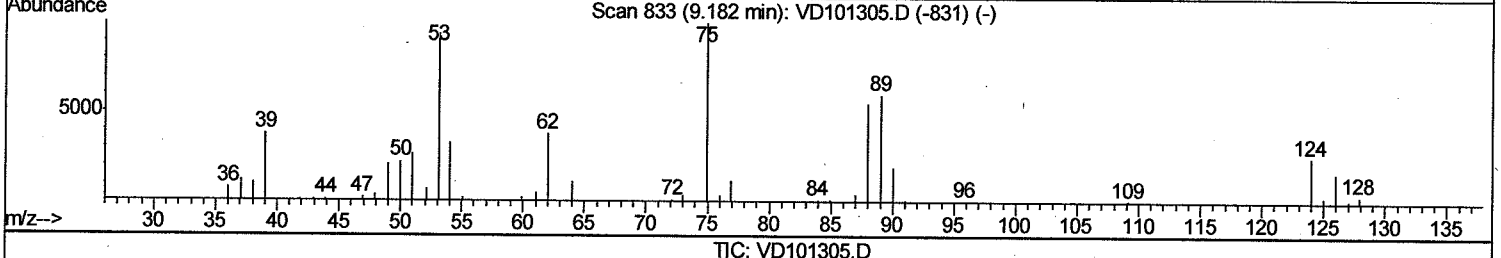
Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration







TIC: VD101305.D

(67) 1,2,3-Trichloropropane (T)

9.182min (+0.006) 50.00ug/l m

response 151846

Ion	Exp%	Act%
75.00	100	100
77.00	591.70	42.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.08	168	523765	50.00	ug/l		0.02
30) 1,4-Difluorobenzene	4.54	114	880773	50.00	ug/l		0.02
55) Chlorobenzene-d5	7.62	117	788150	50.00	ug/l		0.02
64) 1,4-Dichlorobenzene-d4	9.82	152	406517	50.00	ug/l		0.02
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.12	65	456696	50.00	ug/l		0.02
Spiked Amount 50.000			Recovery = 100.00%				
31) Dibromofluoromethane	3.70	113	356031	50.00	ug/l		0.02
Spiked Amount 50.000			Recovery = 100.00%				
41) Toluene-d8	5.89	98	1009999	50.00	ug/l		0.03
Spiked Amount 50.000			Recovery = 100.00%				
54) 4-Bromofluorobenzene	8.83	95	431085	50.00	ug/l		0.02
Spiked Amount 50.000			Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.23	85	207930	50.00	ug/l		96
3) Chloromethane	1.33	50	201413	50.00	ug/l		99
4) Vinyl Chloride	1.40	62	180831	50.00	ug/l		96
5) Bromomethane	1.58	94	103700	50.00	ug/l		98
6) Chloroethane	1.66	64	77273m	50.00	ug/l		
7) Trichlorofluoromethane	1.69	101	255940m	50.00	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.10	101	207069	50.00	ug/l		98
9) Tert butyl alcohol	2.68	59	143215	250.00	ug/l		100
10) 1,1-Dichloroethene	2.02	96	160305	50.00	ug/l		97
11) Iodomethane	2.11	142	346885	50.00	ug/l	#	81
12) Acrolein	2.25	56	120645m	251.58	ug/l		
13) Acrylonitrile	2.92	53	275901	250.00	ug/l		97
14) Acetone	2.44	43	301457	250.00	ug/l		97
15) Carbon Disulfide	2.04	76	407978	50.00	ug/l		98
16) Methyl Acetate	2.53	43	283864	50.00	ug/l		98
17) Methyl tert-butyl Ether	2.60	73	523924	50.00	ug/l		96
18) Methylene Chloride	2.40	84	191965	50.00	ug/l		97
19) trans-1,2-Dichloroethene	2.52	96	193080	50.00	ug/l		96
20) Vinyl Acetate	3.12	43	1559229	250.00	ug/l		98
21) 1,1-Dichloroethane	2.93	63	342085	50.00	ug/l		97
22) 2-Butanone	3.80	43	901502	250.00	ug/l	#	85
23) 2,2-Dichloropropane	3.41	77	292604	50.00	ug/l		97
24) cis-1,2-Dichloroethene	3.34	96	274990	50.00	ug/l		94
25) Bromochloromethane	3.49	49	218533	50.00	ug/l	#	92
26) Chloroform	3.55	83	472974	50.00	ug/l		99
27) Cyclohexane	3.49	56	318068	50.00	ug/l		96
28) 1,1,1-Trichloroethane	3.71	97	384815	50.00	ug/l	#	94
32) 1,1-Dichloropropene	3.81	75	335605	50.00	ug/l		98
33) Carbon Tetrachloride	3.65	117	386334	50.00	ug/l		96
34) Methylcyclohexane	4.51	83	313580	50.00	ug/l		96
35) Benzene	4.01	78	767463	50.00	ug/l		100
36) 1,2-Dichloroethane	4.18	62	385995	50.00	ug/l		100
37) Trichloroethene	4.52	130	276755	50.00	ug/l		94
38) 1,2-Dichloropropane	5.00	63	238219	50.00	ug/l		100

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration

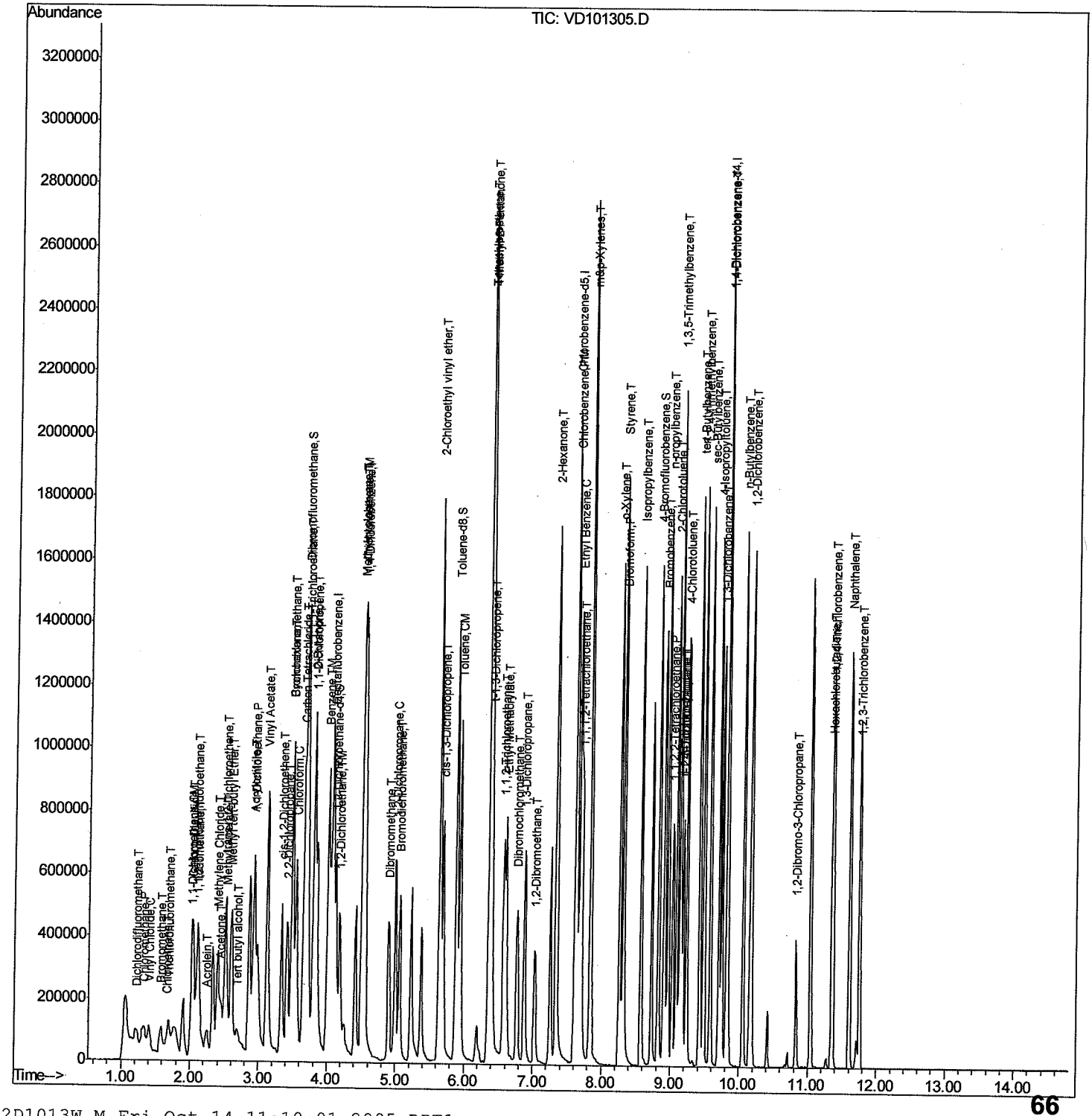
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.89	93	207286	50.00 ug/l	97
40) Bromodichloromethane	5.06	83	339083	50.00 ug/l	97
42) 4-Methyl-2-Pentanone	6.37	43	1574388	250.00 ug/l	98
43) t-1,4-Dichloro-2-butene	9.18	53	161257	50.00 ug/l #	73
44) Toluene	5.94	92	503588	50.00 ug/l	100
45) t-1,3-Dichloropropene	6.40	75	369086	50.00 ug/l	94
46) cis-1,3-Dichloropropene	5.69	75	375180	50.00 ug/l	100
47) Ethyl Methacrylate	6.61	69	365930	50.00 ug/l	100
48) 1,1,2-Trichloroethane	6.58	97	238664	50.00 ug/l	98
49) 1,3-Dichloropropane	6.88	76	408340	50.00 ug/l	99
50) 2-Chloroethyl vinyl ether	5.64	63	840995	250.00 ug/l	99
51) 2-Hexanone	7.34	43	1308933	250.00 ug/l	98
52) Dibromochloromethane	6.78	129	274258	50.00 ug/l	98
53) 1,2-Dibromoethane	7.03	107	292224	50.00 ug/l	99
56) Tetrachloroethene	6.36	164	313271	50.00 ug/l	98
57) Chlorobenzene	7.63	112	586602	50.00 ug/l	97
58) 1,1,1,2-Tetrachloroethane	7.71	131	235178	50.00 ug/l	98
59) Ethyl Benzene	7.68	106	306356	50.00 ug/l	100
60) m&p-Xylenes	7.84	106	700558	100.00 ug/l	91
61) o-Xylene	8.26	106	364592	50.00 ug/l	98
62) Styrene	8.32	104	642211	50.00 ug/l	96
63) Bromoform	8.33	173	178955	50.00 ug/l	98
65) Isopropylbenzene	8.58	105	899178	50.00 ug/l	98
66) 1,1,2,2-Tetrachloroethane	9.03	83	342145	50.00 ug/l	99
67) 1,2,3-Trichloropropane	9.18	75	151846m	50.00 ug/l	
68) Bromobenzene	8.91	156	253867	50.00 ug/l	94
69) n-propylbenzene	8.96	91	1063249	50.00 ug/l	98
70) 2-Chlorotoluene	9.09	91	651329	50.00 ug/l	99
71) 1,3,5-Trimethylbenzene	9.15	105	757145	50.00 ug/l	100
72) 4-Chlorotoluene	9.25	91	686469	50.00 ug/l	100
73) tert-Butylbenzene	9.42	119	646090	50.00 ug/l	97
74) 1,2,4-Trimethylbenzene	9.48	105	748602	50.00 ug/l	99
75) sec-Butylbenzene	9.58	105	928554	50.00 ug/l	99
76) 4-Isopropyltoluene	9.70	119	765963	50.00 ug/l	99
77) 1,3-Dichlorobenzene	9.75	146	454600	50.00 ug/l	97
78) 1,4-Dichlorobenzene	9.83	146	455826	50.00 ug/l	97
79) n-Butylbenzene	10.06	91	711146	50.00 ug/l	98
80) 1,2-Dichlorobenzene	10.18	146	447084	50.00 ug/l	99
81) 1,2-Dibromo-3-Chloropropan	10.82	75	78950	50.00 ug/l	98
82) 1,2,4-Trichlorobenzene	11.37	180	264002	50.00 ug/l	98
83) Hexachlorobutadiene	11.34	225	83874	50.00 ug/l	97
84) Naphthalene	11.61	128	832052	50.00 ug/l	100
85) 1,2,3-Trichlorobenzene	11.76	180	248530	50.00 ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101305.D
Acq On : 13 Oct 2005 3:16 pm
Operator : sam
Sample : 50 PPB ICC
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

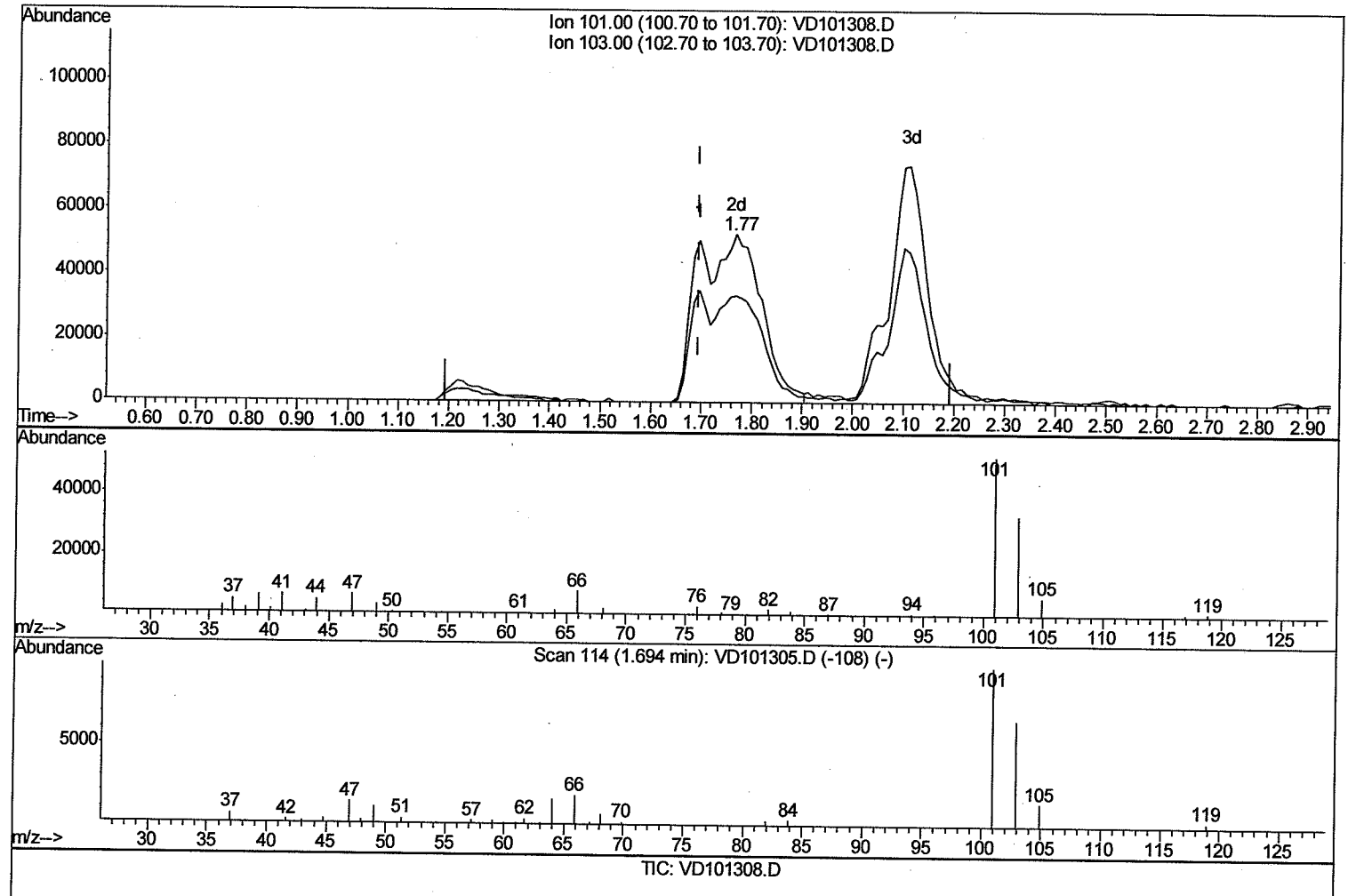
Quant Time: Oct 13 15:53:32 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:01:58 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101308.D
Acq On : 13 Oct 2005 4:30 pm
Operator : sam
Sample : 100 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 16:53:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101308.D

(7) Trichlorofluoromethane (T)

1.768min (+0.074) 81.78ug/l m

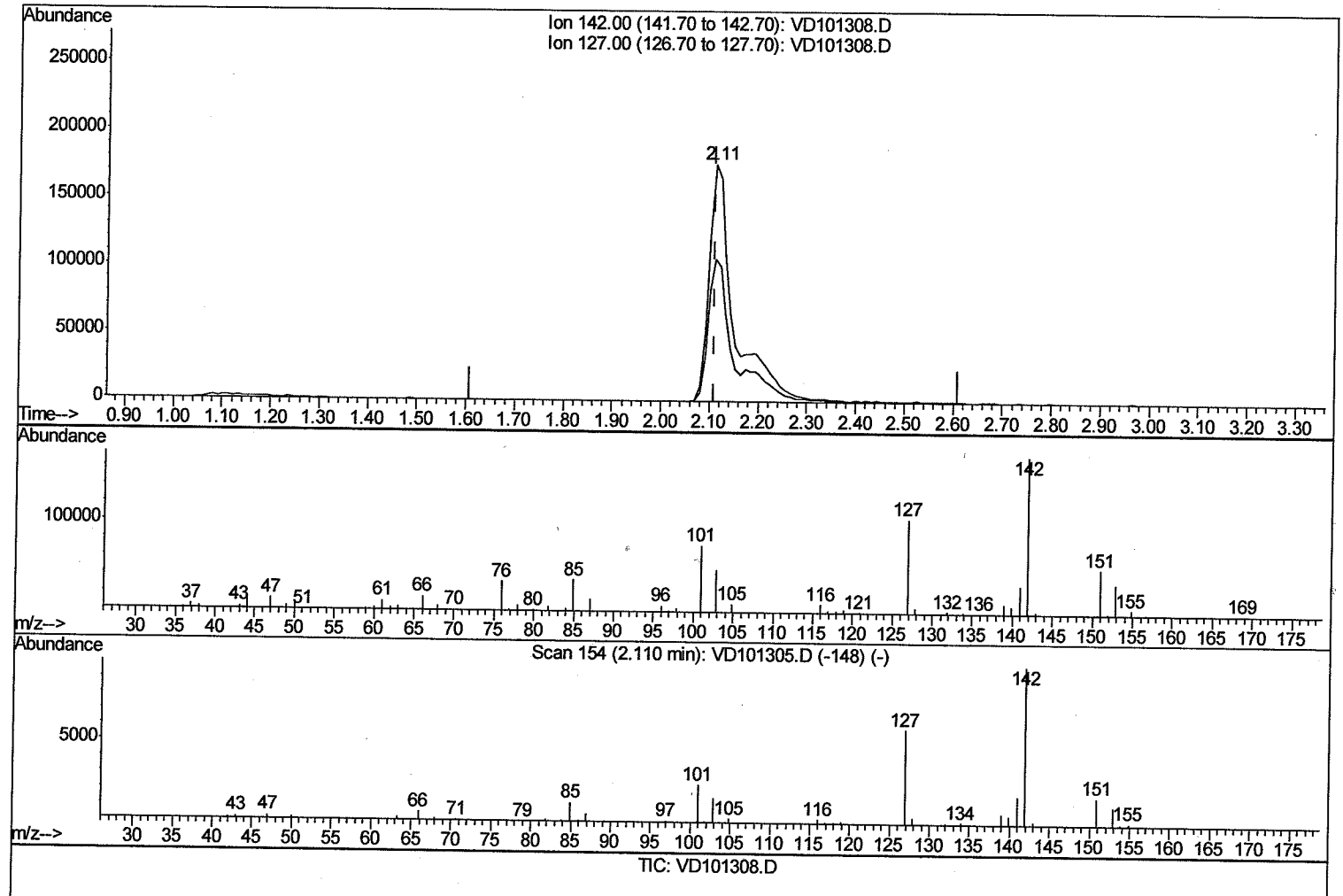
response 452160

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	63.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101308.D
Acq On : 13 Oct 2005 4:30 pm
Operator : sam
Sample : 100 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 16:53:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



TIC: VD101308.D

(11) Iodomethane (T)

2.111min (+0.001) 85.58ug/l m

response 641279

Ion	Exp%	Act%
142.00	100	100
127.00	60.40	46.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101308.D
Acq On : 13 Oct 2005 4:30 pm
Operator : sam
Sample : 100 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 16:53:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.08	168	565745	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.55	114	935741	50.00	ug/l		0.00
55) Chlorobenzene-d5	7.62	117	845361	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	439889	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.12	65	489199	49.58	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.16%				
31) Dibromofluoromethane	3.70	113	378095	49.98	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.96%				
41) Toluene-d8	5.89	98	1076493	50.16	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.32%				
54) 4-Bromofluorobenzene	8.83	95	450499	49.18	ug/l		0.00
Spiked Amount 50.000			Recovery = 98.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.22	85	393731	87.65	ug/l		99
3) Chloromethane	1.32	50	349350	80.29	ug/l		96
4) Vinyl Chloride	1.41	62	302923	77.54	ug/l		95
5) Bromomethane	1.57	94	166813	74.46	ug/l		93
6) Chloroethane	1.66	64	122609	73.45	ug/l		97
7) Trichlorofluoromethane	1.77	101	452160m	81.78	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.11	101	375475	83.94	ug/l		94
9) Tert butyl alcohol	2.69	59	272125	439.78	ug/l		100
10) 1,1-Dichloroethene	2.02	96	296276	85.55	ug/l		96
11) Iodomethane	2.11	142	641279m	85.58	ug/l		
12) Acrolein	2.25	56	215548	413.51	ug/l	#	12
13) Acrylonitrile	2.92	53	506262	424.70	ug/l		98
14) Acetone	2.45	43	587249	450.87	ug/l		97
15) Carbon Disulfide	2.04	76	783014	88.84	ug/l		100
16) Methyl Acetate	2.53	43	510118	83.19	ug/l		95
17) Methyl tert-butyl Ether	2.60	73	1006054	88.89	ug/l		98
18) Methylene Chloride	2.40	84	363247	87.59	ug/l		98
19) trans-1,2-Dichloroethene	2.52	96	361730	86.72	ug/l		96
20) Vinyl Acetate	3.12	43	3088370	458.43	ug/l		99
21) 1,1-Dichloroethane	2.94	63	617125	83.51	ug/l		98
22) 2-Butanone	3.80	43	1683164	432.13	ug/l		99
23) 2,2-Dichloropropane	3.42	77	528656	83.63	ug/l		99
24) cis-1,2-Dichloroethene	3.34	96	508282	85.56	ug/l		99
25) Bromochloromethane	3.49	49	400414	84.82	ug/l	#	99
26) Chloroform	3.55	83	919924	90.03	ug/l		100
27) Cyclohexane	3.50	56	608997	88.63	ug/l		98
28) 1,1,1-Trichloroethane	3.71	97	733380	88.22	ug/l	#	88
32) 1,1-Dichloropropene	3.81	75	630286	88.39	ug/l		98
33) Carbon Tetrachloride	3.65	117	751626	91.56	ug/l		98
34) Methylcyclohexane	4.51	83	598182	89.78	ug/l		98
35) Benzene	4.01	78	1463974	89.77	ug/l		100
36) 1,2-Dichloroethane	4.18	62	746391	91.00	ug/l		99
37) Trichloroethene	4.52	130	517669	88.03	ug/l		93
38) 1,2-Dichloropropane	5.00	63	455910	90.07	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101308.D
Acq On : 13 Oct 2005 4:30 pm
Operator : sam
Sample : 100 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 13 16:53:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration

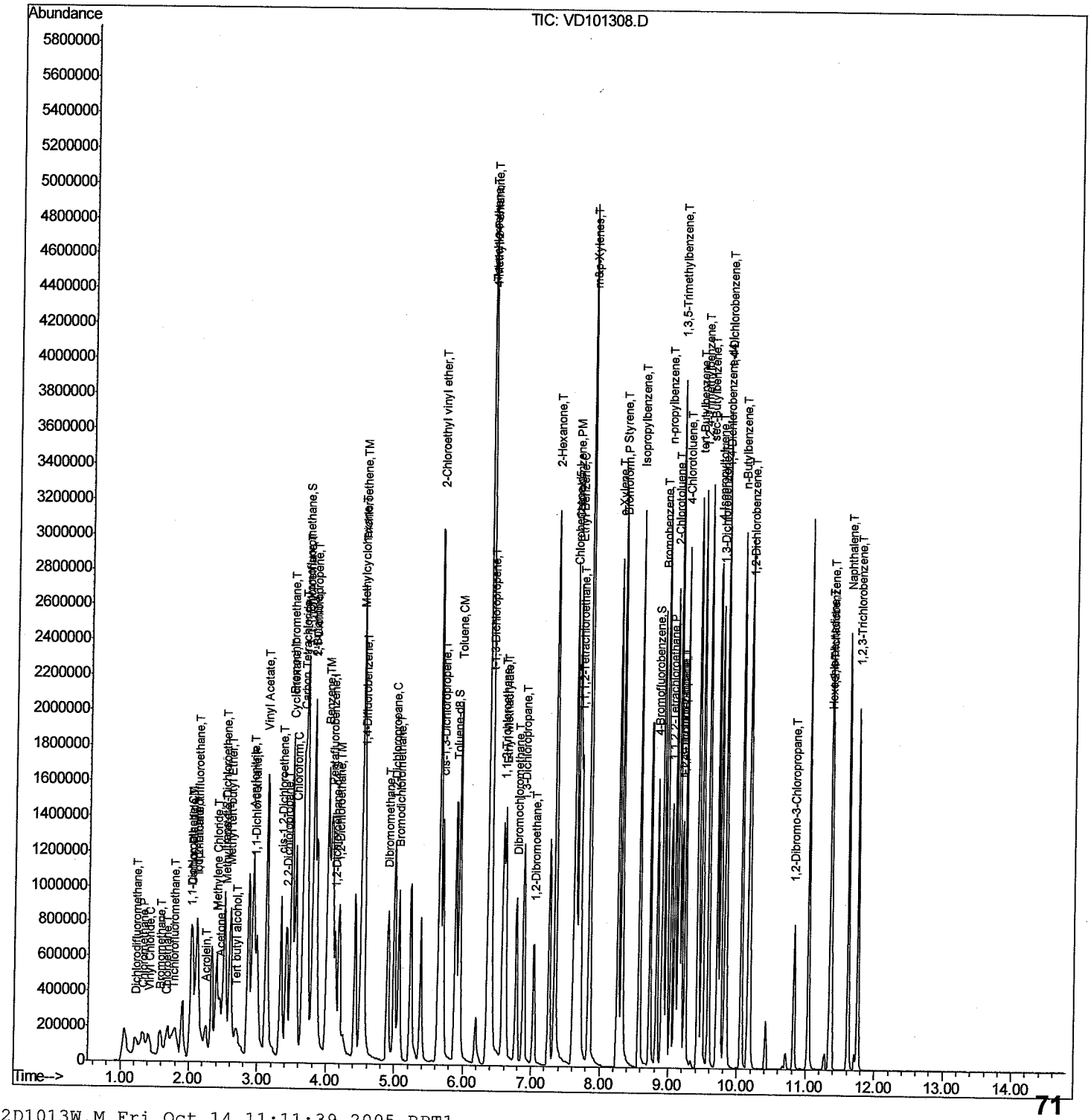
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.90	93	387160	87.90 ug/l	98
40) Bromodichloromethane	5.06	83	653226	90.66 ug/l	98
42) 4-Methyl-2-Pentanone	6.37	43	2851943	426.26 ug/l	99
43) t-1,4-Dichloro-2-butene	9.19	53	301047	87.86 ug/l	99
44) Toluene	5.95	92	935450	87.42 ug/l	98
45) t-1,3-Dichloropropene	6.40	75	715658	91.25 ug/l	96
46) cis-1,3-Dichloropropene	5.69	75	726485	91.13 ug/l	100
47) Ethyl Methacrylate	6.61	69	683119	87.86 ug/l	98
48) 1,1,2-Trichloroethane	6.58	97	448595	88.46 ug/l	99
49) 1,3-Dichloropropane	6.88	76	758510	87.42 ug/l	99
50) 2-Chloroethyl vinyl ether	5.65	63	1550484	433.83 ug/l	99
51) 2-Hexanone	7.34	43	2491257	447.87 ug/l	99
52) Dibromochloromethane	6.78	129	535175	91.84 ug/l	99
53) 1,2-Dibromoethane	7.04	107	556621	89.64 ug/l	99
56) Tetrachloroethene	6.36	164	575032	85.57 ug/l	98
57) Chlorobenzene	7.63	112	1136978	90.35 ug/l	96
58) 1,1,1,2-Tetrachloroethane	7.71	131	442274	87.67 ug/l	99
59) Ethyl Benzene	7.68	106	541812	82.44 ug/l	100
60) m&p-Xylenes	7.84	106	1269093	168.89 ug/l	99
61) o-Xylene	8.27	106	682579	87.27 ug/l	98
62) Styrene	8.32	104	1169420	84.88 ug/l	100
63) Bromoform	8.33	173	357902	93.23 ug/l	98
65) Isopropylbenzene	8.58	105	1724418	88.61 ug/l	99
66) 1,1,2,2-Tetrachloroethane	9.04	83	642753	86.80 ug/l	99
67) 1,2,3-Trichloropropane	9.19	75	277592	84.47 ug/l #	34
68) Bromobenzene	8.92	156	498457	90.73 ug/l	96
69) n-propylbenzene	8.96	91	2053069	89.22 ug/l	100
70) 2-Chlorotoluene	9.09	91	1254162	88.97 ug/l	98
71) 1,3,5-Trimethylbenzene	9.15	105	1457724	88.96 ug/l	100
72) 4-Chlorotoluene	9.24	91	1296170	87.25 ug/l	99
73) tert-Butylbenzene	9.42	119	1227516	87.79 ug/l	100
74) 1,2,4-Trimethylbenzene	9.49	105	1452775	89.67 ug/l	100
75) sec-Butylbenzene	9.58	105	1767528	87.96 ug/l	100
76) 4-Isopropyltoluene	9.71	119	1471819	88.79 ug/l	99
77) 1,3-Dichlorobenzene	9.76	146	841810	85.56 ug/l	99
78) 1,4-Dichlorobenzene	9.83	146	845656	85.72 ug/l	99
79) n-Butylbenzene	10.06	91	1355263	88.06 ug/l	100
80) 1,2-Dichlorobenzene	10.18	146	799064	82.58 ug/l	99
81) 1,2-Dibromo-3-Chloropropan	10.83	75	151559	88.70 ug/l	96
82) 1,2,4-Trichlorobenzene	11.37	180	504476	88.30 ug/l	98
83) Hexachlorobutadiene	11.35	225	157706	86.88 ug/l	97
84) Naphthalene	11.61	128	1577037	87.58 ug/l	100
85) 1,2,3-Trichlorobenzene	11.75	180	478169	88.90 ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101308.D
Acq On : 13 Oct 2005 4:30 pm
Operator : sam
Sample : 100 PPB ICC
Misc : 5mL
ALS Vial : 8 Sample Multiplier: 1

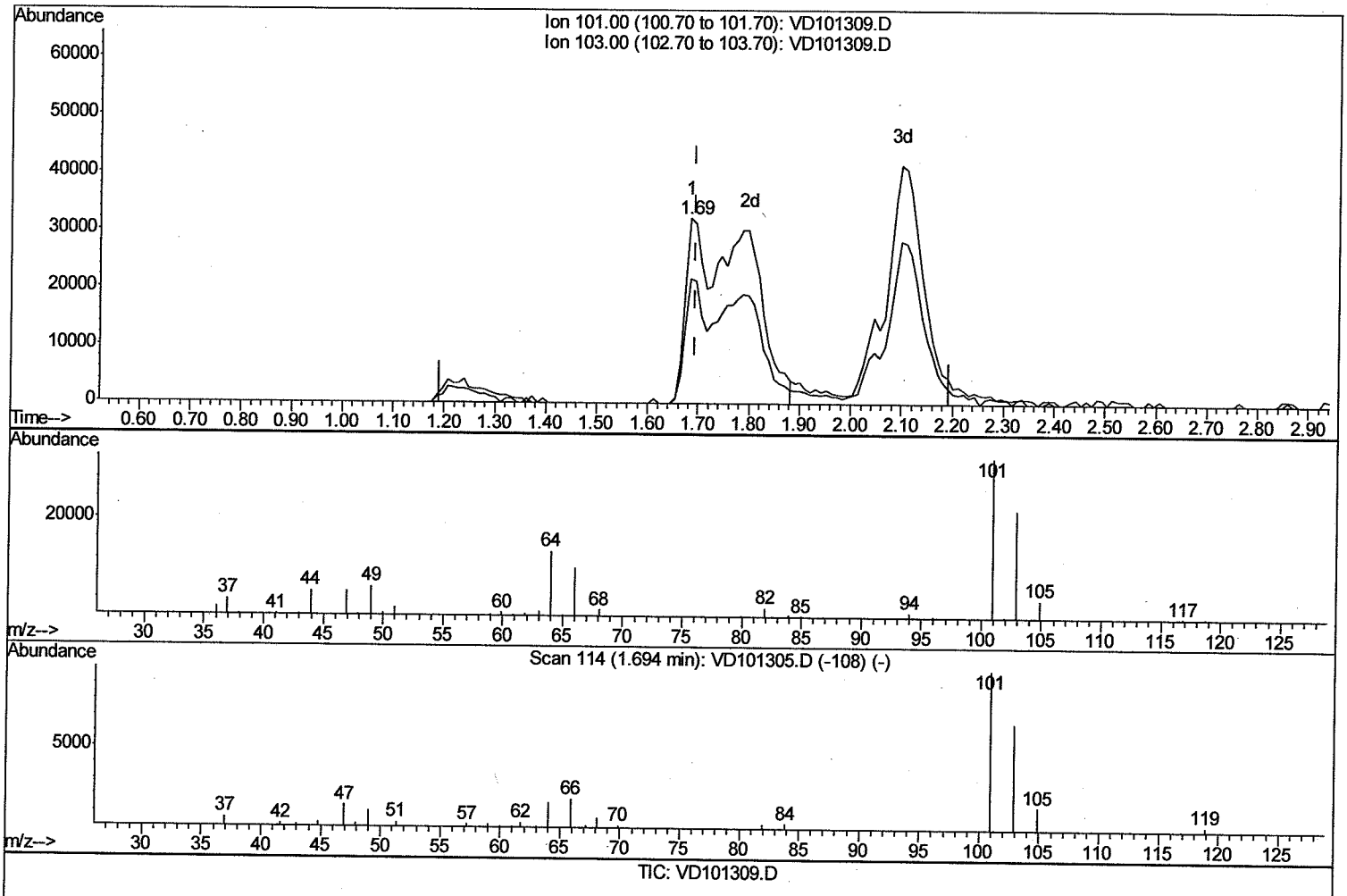
Quant Time: Oct 13 16:53:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 13 16:04:15 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:05:52 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101309.D

(7) Trichlorofluoromethane (T)

1.685min (-0.008) 55.93ug/l m

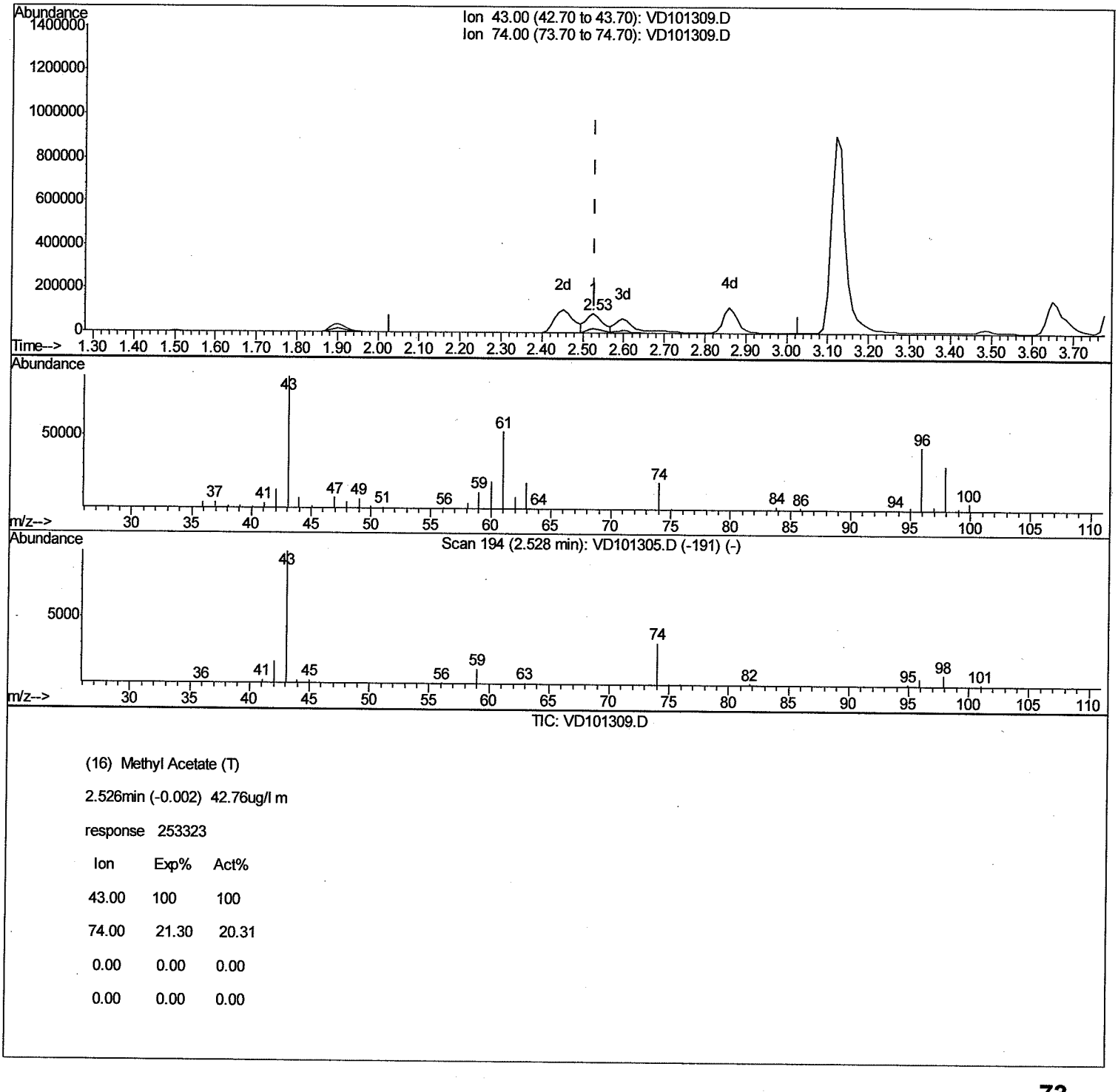
response 273864

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	67.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:05:52 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(16) Methyl Acetate (T)

2.526min (-0.002) 42.76ug/l m

response 253323

Ion	Exp%	Act%
43.00	100	100
74.00	21.30	20.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:07:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.08	168	580959	50.00 ug/l	0.00
30) 1,4-Difluorobenzene	4.54	114	946718	50.00 ug/l	0.00
55) Chlorobenzene-d5	7.61	117	854617	50.00 ug/l	-0.01
64) 1,4-Dichlorobenzene-d4	9.81	152	427055	50.00 ug/l	0.00
System Monitoring Compounds					
29) 1,2-Dichloroethane-d4	4.12	65	475173	48.29 ug/l	0.00
Spiked Amount 50.000			Recovery =	96.58%	
31) Dibromofluoromethane	3.69	113	384233	49.78 ug/l	0.00
Spiked Amount 50.000			Recovery =	99.56%	
41) Toluene-d8	5.88	98	1073946	49.46 ug/l	-0.01
Spiked Amount 50.000			Recovery =	98.92%	
54) 4-Bromofluorobenzene	8.82	95	438972	47.37 ug/l	0.00
Spiked Amount 50.000			Recovery =	94.74%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.22	85	246407	54.99 ug/l	99
3) Chloromethane	1.32	50	213967	56.41 ug/l	98
4) Vinyl Chloride	1.41	62	184018	46.90 ug/l	94
5) Bromomethane	1.57	94	104026	55.81 ug/l	96
6) Chloroethane	1.66	64	92297	66.96 ug/l	88
7) Trichlorofluoromethane	1.69	101	273864m	55.93 ug/l	
8) 1,1,2-Trichlorotrifluoroet	2.10	101	213121	44.73 ug/l	98
9) Tert butyl alcohol	2.69	59	156336	268.80 ug/l	100
10) 1,1-Dichloroethene	2.02	96	157784	43.85 ug/l	98
11) Iodomethane	2.11	142	350792m	45.99 ug/l	
12) Acrolein	2.24	56	126222	246.25 ug/l #	23
13) Acrylonitrile	2.92	53	281123	231.40 ug/l	96
14) Acetone	2.45	43	351185	282.32 ug/l	98
15) Carbon Disulfide	2.04	76	405247	47.51 ug/l	98
16) Methyl Acetate	2.53	43	253323m	42.76 ug/l	
17) Methyl tert-butyl Ether	2.60	73	563926	46.88 ug/l	100
18) Methylene Chloride	2.40	84	204715	46.01 ug/l	93
19) trans-1,2-Dichloroethene	2.50	96	195414	44.99 ug/l	97
20) Vinyl Acetate	3.12	43	2252492	345.29 ug/l	99
21) 1,1-Dichloroethane	2.93	63	355655	45.94 ug/l	97
22) 2-Butanone	3.80	43	927396	230.52 ug/l	99
23) 2,2-Dichloropropane	3.41	77	320842	50.35 ug/l	99
24) cis-1,2-Dichloroethene	3.34	96	289164	49.71 ug/l	98
25) Bromochloromethane	3.48	49	229922	47.83 ug/l	99
26) Chloroform	3.55	83	515063	49.17 ug/l	100
27) Cyclohexane	3.48	56	347698	47.34 ug/l	98
28) 1,1,1-Trichloroethane	3.70	97	377377	45.47 ug/l	92
32) 1,1-Dichloropropene	3.80	75	353231	47.99 ug/l	99
33) Carbon Tetrachloride	3.65	117	400729	49.67 ug/l	95
34) Methylcyclohexane	4.50	83	349815	55.79 ug/l	97
35) Benzene	4.00	78	798225	48.24 ug/l	100
36) 1,2-Dichloroethane	4.18	62	403812	47.59 ug/l	97
37) Trichloroethene	4.51	130	286385	49.04 ug/l	92
38) 1,2-Dichloropropane	4.99	63	244232	47.55 ug/l	98

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:07:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

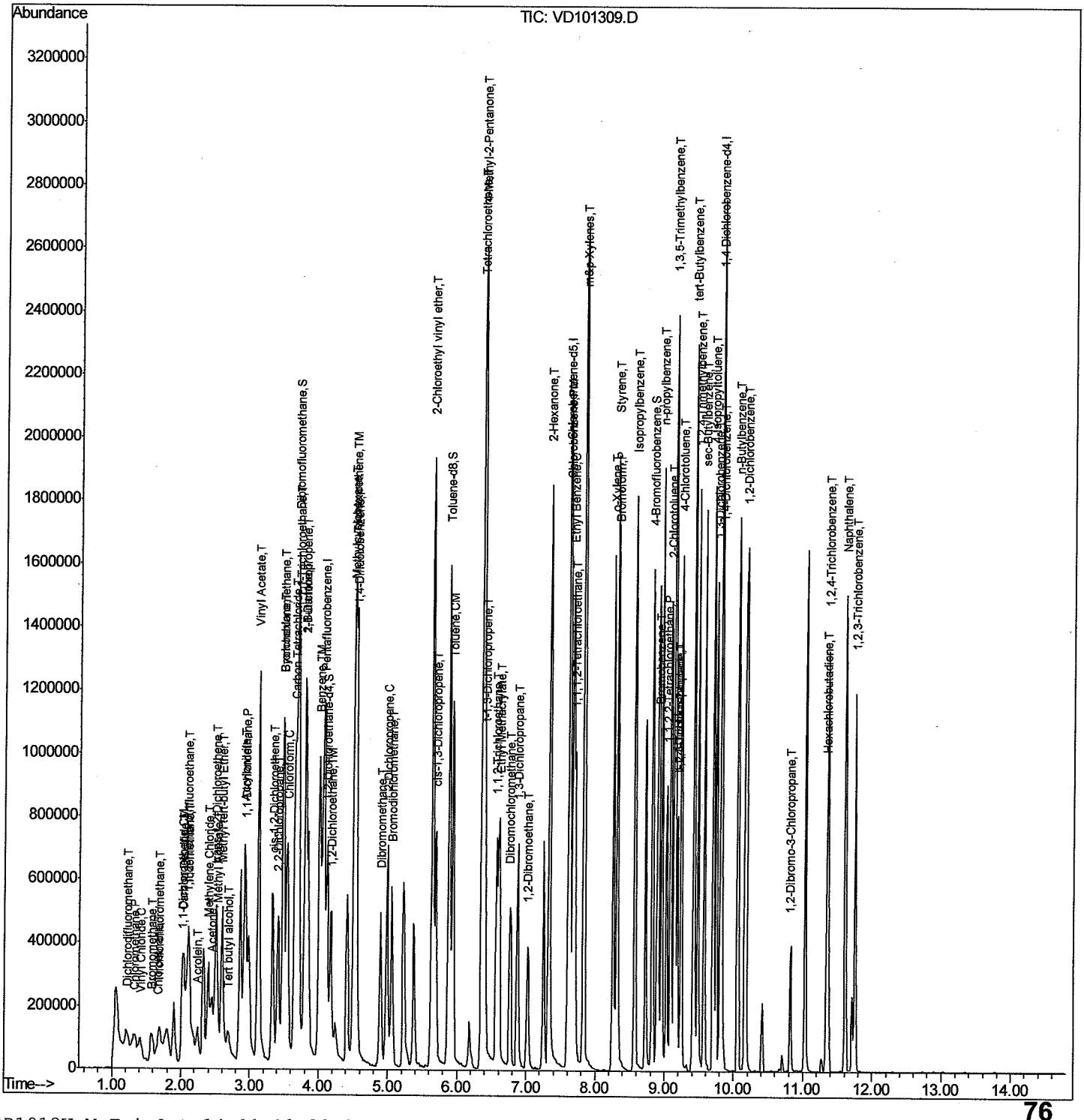
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Dibromomethane	4.90	93	212579	49.37	ug/l		99
40) Bromodichloromethane	5.05	83	356766	52.55	ug/l		96
42) 4-Methyl-2-Pentanone	6.37	43	1657768	231.87	ug/l		99
43) t-1,4-Dichloro-2-butene	9.19	53	178884	51.07	ug/l		98
44) Toluene	5.93	92	530022	48.91	ug/l		96
45) t-1,3-Dichloropropene	6.40	75	392820	52.77	ug/l		100
46) cis-1,3-Dichloropropene	5.69	75	404898	53.20	ug/l		100
47) Ethyl Methacrylate	6.61	69	384181	50.56	ug/l		98
48) 1,1,2-Trichloroethane	6.56	97	239717	46.75	ug/l		97
49) 1,3-Dichloropropane	6.88	76	429905	49.29	ug/l		98
50) 2-Chloroethyl vinyl ether	5.64	63	851259	239.27	ug/l		95
51) 2-Hexanone	7.33	43	1338848	226.03	ug/l		98
52) Dibromochloromethane	6.76	129	284071	52.39	ug/l		97
53) 1,2-Dibromoethane	7.02	107	298605	49.40	ug/l		97
56) Tetrachloroethene	6.36	164	212549	34.74	ug/l		97
57) Chlorobenzene	7.63	112	608996	47.32	ug/l		98
58) 1,1,1,2-Tetrachloroethane	7.70	131	247038	51.61	ug/l		98
59) Ethyl Benzene	7.67	106	316903	49.11	ug/l		100
60) m&p-Xylenes	7.84	106	723720	95.20	ug/l		99
61) o-Xylene	8.26	106	381045	48.46	ug/l		100
62) Styrene	8.31	104	680031	49.74	ug/l		99
63) Bromoform	8.32	173	190807	52.05	ug/l		100
65) Isopropylbenzene	8.57	105	968932	50.83	ug/l		100
66) 1,1,2,2-Tetrachloroethane	9.03	83	376423	52.15	ug/l		98
67) 1,2,3-Trichloropropane	9.19	75	161096	56.66	ug/l	#	34
68) Bromobenzene	8.91	156	271315	51.02	ug/l		98
69) n-propylbenzene	8.96	91	1139444	51.21	ug/l		99
70) 2-Chlorotoluene	9.08	91	700305	50.41	ug/l		99
71) 1,3,5-Trimethylbenzene	9.14	105	778111	48.76	ug/l		98
72) 4-Chlorotoluene	9.24	91	749491	51.94	ug/l		100
73) tert-Butylbenzene	9.43	119	772702	56.47	ug/l		91
74) 1,2,4-Trimethylbenzene	9.48	105	797569	50.06	ug/l		98
75) sec-Butylbenzene	9.57	105	974610	50.32	ug/l		99
76) 4-Isopropyltoluene	9.71	119	800594	50.87	ug/l		100
77) 1,3-Dichlorobenzene	9.75	146	463283	49.32	ug/l		99
78) 1,4-Dichlorobenzene	9.83	146	484039	50.51	ug/l		98
79) n-Butylbenzene	10.06	91	753589	51.33	ug/l		98
80) 1,2-Dichlorobenzene	10.17	146	441825	48.76	ug/l		98
81) 1,2-Dibromo-3-Chloropropan	10.82	75	84378	57.04	ug/l		97
82) 1,2,4-Trichlorobenzene	11.36	180	278566	50.70	ug/l		99
83) Hexachlorobutadiene	11.34	225	90401	54.11	ug/l		96
84) Naphthalene	11.61	128	874486	51.30	ug/l		100
85) 1,2,3-Trichlorobenzene	11.75	180	263010	49.75	ug/l		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:07:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:07:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	111	0.00
2	T	Dichlorodifluoromethane	0.386	0.424	-9.8	119	0.00
3	P	Chloromethane	0.388	0.368	5.2	106	0.00
4	C	Vinyl Chloride	0.338	0.317	6.2#	102	0.01
5	T	Bromomethane	0.218	0.179	17.9	100	0.00
6	T	Chloroethane	0.184	0.159	13.6	119	0.00
7	T	Trichlorofluoromethane	0.523	0.471	9.9	107	0.00
8	T	1,1,2-Trichlorotrifluoroeth	0.410	0.367	10.5	103	0.00
9	T	Tert butyl alcohol	0.061	0.054	11.5	109	0.00
10	CM	1,1-Dichloroethene	0.310	0.272	12.3#	98	0.00
11	T	Iodomethane	0.656	0.604	7.9	101	0.00
12	T	Acrolein	0.044	0.043	2.3	105	0.00
13	T	Acrylonitrile	0.105	0.097	7.6	102	0.00
14	T	Acetone	0.136	0.121	11.0	116	0.00
15	T	Carbon Disulfide	0.734	0.698	4.9	99	0.00
16	T	Methyl Acetate	0.510	0.436	14.5	89	0.00
17	T	Methyl tert-butyl Ether	1.035	0.971	6.2	108	0.00
18	T	Methylene Chloride	0.383	0.352	8.1	107	0.00
19	T	trans-1,2-Dichloroethene	0.374	0.336	10.2	101	-0.01
20	T	Vinyl Acetate	0.716	0.775	-8.2	144	0.00
21	P	1,1-Dichloroethane	0.666	0.612	8.1	104	0.00
22	T	2-Butanone	0.346	0.319	7.8	103	0.00
23	T	2,2-Dichloropropane	0.548	0.552	-0.7	110	0.00
24	T	cis-1,2-Dichloroethene	0.501	0.498	0.6	105	0.00
25	T	Bromochloromethane	0.414	0.396	4.3	105	0.00
26	C	Chloroform	0.901	0.887	1.6#	109	0.00
27	T	Cyclohexane	0.632	0.598	5.4	109	0.00
28	T	1,1,1-Trichloroethane	0.714	0.650	9.0	98	0.00
29	S	1,2-Dichloroethane-d4	0.847	0.818	3.4	104	0.00
30	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
31	S	Dibromofluoromethane	0.408	0.406	0.5	108	0.00
32	T	1,1-Dichloropropene	0.389	0.373	4.1	105	-0.02
33	T	Carbon Tetrachloride	0.426	0.423	0.7	104	0.00
34	T	Methylcyclohexane	0.414	0.370	10.6	112	0.00
35	TM	Benzene	0.874	0.843	3.5	104	0.00
36	TM	1,2-Dichloroethane	0.448	0.427	4.7	105	0.00
37	TM	Trichloroethene	0.308	0.303	1.6	103	0.00
38	C	1,2-Dichloropropane	0.271	0.258	4.8#	103	0.00
39	T	Dibromomethane	0.227	0.225	0.9	103	0.00
40	T	Bromodichloromethane	0.359	0.377	-5.0	105	0.00
41	S	Toluene-d8	1.147	1.134	1.1	106	-0.01
42	T	4-Methyl-2-Pentanone	0.378	0.350	7.4	105	0.00
43	T	t-1,4-Dichloro-2-butene	0.185	0.189	-2.2	111	0.00
44	CM	Toluene	0.572	0.560	2.1#	105	-0.01
45	T	t-1,3-Dichloropropene	0.393	0.415	-5.6	106	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101309.D
Acq On : 13 Oct 2005 5:30 pm
Operator : sam
Sample : 50 PPB ICV
Misc : 5mL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 11:07:18 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	T	cis-1,3-Dichloropropene	0.402	0.428	-6.5	108	0.00
47	T	Ethyl Methacrylate	0.401	0.406	-1.2	105	0.00
48	T	1,1,2-Trichloroethane	0.271	0.253	6.6	100	-0.01
49	T	1,3-Dichloropropane	0.461	0.454	1.5	105	0.00
50	T	2-Chloroethyl vinyl ether	0.188	0.180	4.3	101	0.00
51	T	2-Hexanone	0.313	0.283	9.6	102	0.00
52	T	Dibromochloromethane	0.286	0.300	-4.9	104	-0.01
53	T	1,2-Dibromoethane	0.319	0.315	1.3	102	0.00
54	S	4-Bromofluorobenzene	0.489	0.464	5.1	102	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	108	-0.01
56	T	Tetrachloroethene	0.358	0.249	30.4#	68	0.00
57	PM	Chlorobenzene	0.753	0.713	5.3	104	0.00
58	T	1,1,1,2-Tetrachloroethane	0.280	0.289	-3.2	105	-0.01
59	C	Ethyl Benzene	0.378	0.371	1.9#	103	-0.01
60	T	m&p-Xylenes	0.445	0.423	4.9	103	0.00
61	T	o-Xylene	0.460	0.446	3.0	105	0.00
62	T	Styrene	0.800	0.796	0.5	106	0.00
63	P	Bromoform	0.198	0.223	-12.6	107	0.00
64	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
65	T	Isopropylbenzene	2.232	2.269	-1.7	108	0.00
66	P	1,1,2,2-Tetrachloroethane	0.845	0.881	-4.3	110	0.00
67	T	1,2,3-Trichloropropane	0.333	0.377	-13.2	106	0.00
68	T	Bromobenzene	0.623	0.635	-1.9	107	0.00
69	T	n-propylbenzene	2.605	2.668	-2.4	107	0.00
70	T	2-Chlorotoluene	1.627	1.640	-0.8	108	0.00
71	T	1,3,5-Trimethylbenzene	1.868	1.822	2.5	103	0.00
72	T	4-Chlorotoluene	1.689	1.755	-3.9	109	0.00
73	T	tert-Butylbenzene	1.602	1.809	-12.9	120	0.00
74	T	1,2,4-Trimethylbenzene	1.865	1.868	-0.2	107	0.00
75	T	sec-Butylbenzene	2.268	2.282	-0.6	105	0.00
76	T	4-Isopropyltoluene	1.843	1.875	-1.7	105	0.00
77	T	1,3-Dichlorobenzene	1.100	1.085	1.4	102	0.00
78	T	1,4-Dichlorobenzene	1.122	1.133	-1.0	106	0.00
79	T	n-Butylbenzene	1.719	1.765	-2.7	106	0.00
80	T	1,2-Dichlorobenzene	1.061	1.035	2.5	99	0.00
81	T	1,2-Dibromo-3-Chloropropane	0.173	0.198	-14.5	107	0.00
82	T	1,2,4-Trichlorobenzene	0.643	0.652	-1.4	106	0.00
83	T	Hexachlorobutadiene	0.196	0.212	-8.2	108	0.00
84	T	Naphthalene	1.996	2.048	-2.6	105	0.00
85	T	1,2,3-Trichlorobenzene	0.619	0.616	0.5	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Instrument ID: MSVOAD Calibration Date/Time: 10/16/2005 14:53

Lab File ID: VD101603.D Init. Calib. Date(s): 10/13/2005 10/13/2005

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:03 16:30

GC Column: RTX502.2 ID: 0.18 (mm)

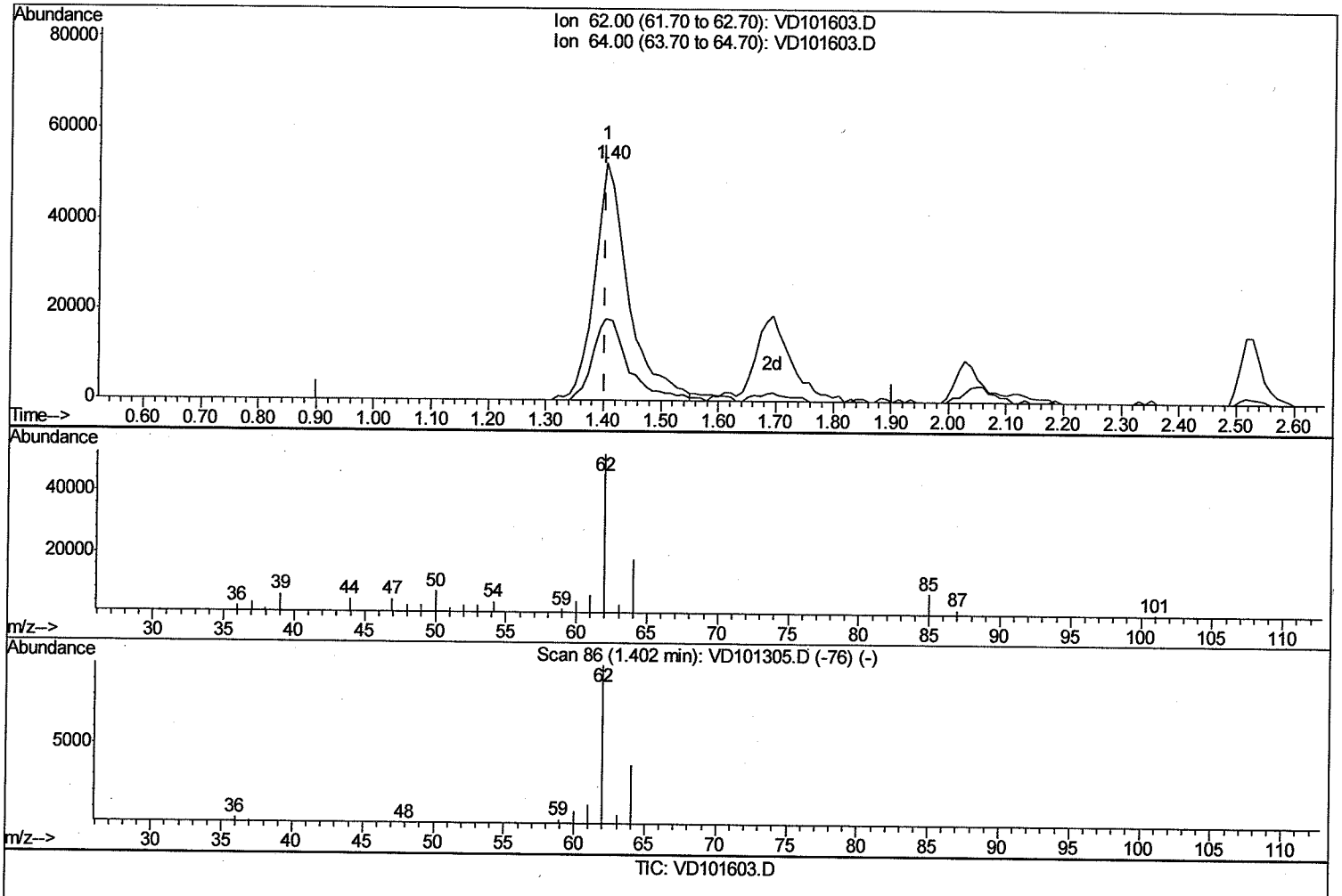
COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	1.035	1.077		4.1	
Benzene	0.874	0.890		1.8	
Toluene	0.572	0.567		-0.9	20.0
Ethyl Benzene	0.378	0.364		-3.7	20.0
m&p-Xylenes	0.445	0.417		-6.3	
o-Xylene	0.460	0.445		-3.3	
Isopropylbenzene	2.232	2.188		-2.0	
n-propylbenzene	2.605	2.682		3.0	
1,3,5-Trimethylbenzene	1.868	1.774		-5.0	
tert-Butylbenzene	1.602	1.667		4.1	
1,2,4-Trimethylbenzene	1.865	1.837		-1.5	
sec-Butylbenzene	2.268	2.218		-2.2	
4-Isopropyltoluene	1.843	1.868		1.4	
n-Butylbenzene	1.719	1.784		3.8	
Naphthalene	1.996	2.050		2.7	
1,2-Dichloroethane-d4	0.847	0.912		7.7	
Dibromofluoromethane	0.408	0.394		-3.4	
Toluene-d8	1.147	1.117		-2.6	
4-Bromofluorobenzene	0.489	0.464		-5.1	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(4) Vinyl Chloride (C)

1.404min (+0.002) 64.78ug/l m

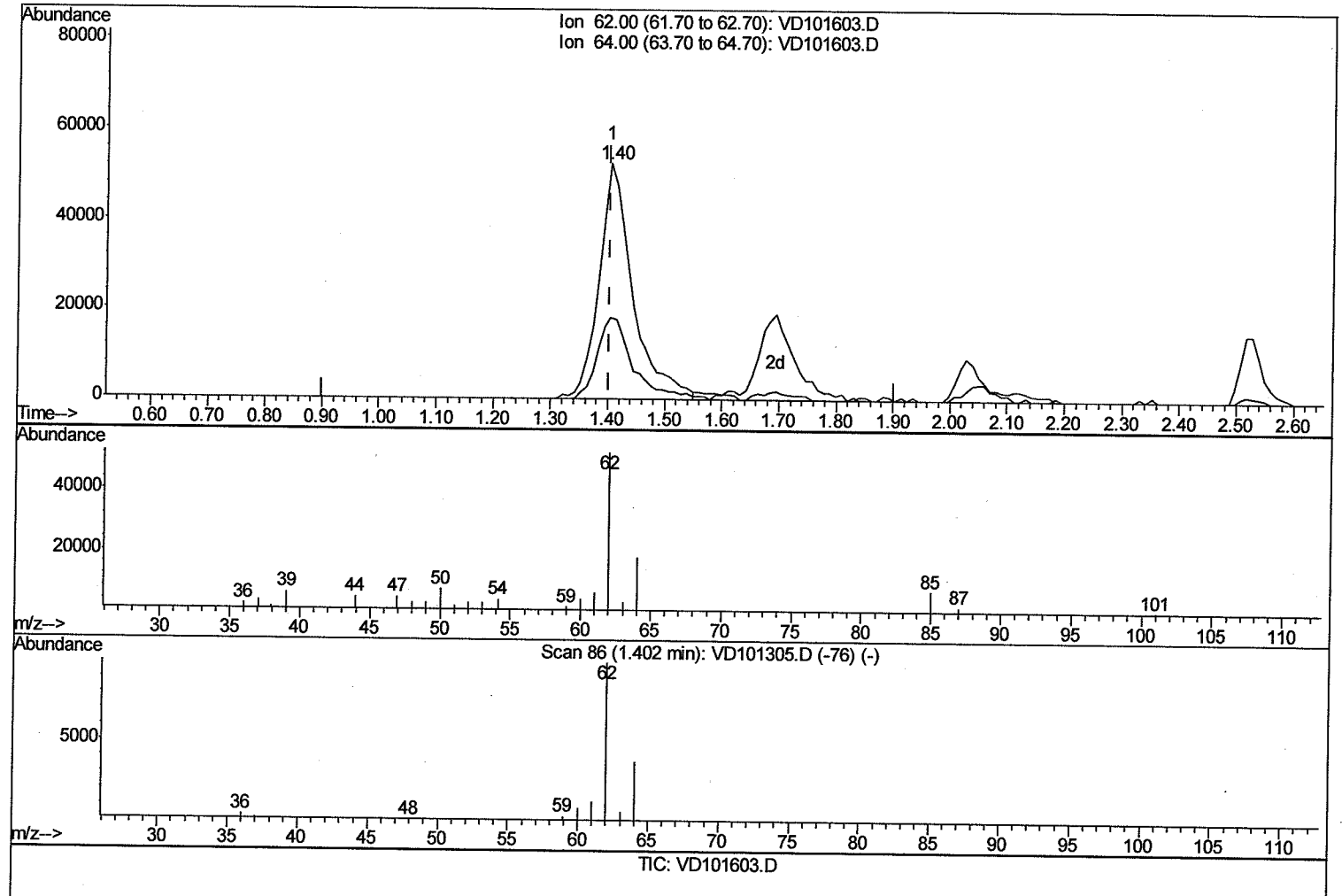
response 217347

Ion	Exp%	Act%
62.00	100	100
64.00	37.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(4) Vinyl Chloride (C)

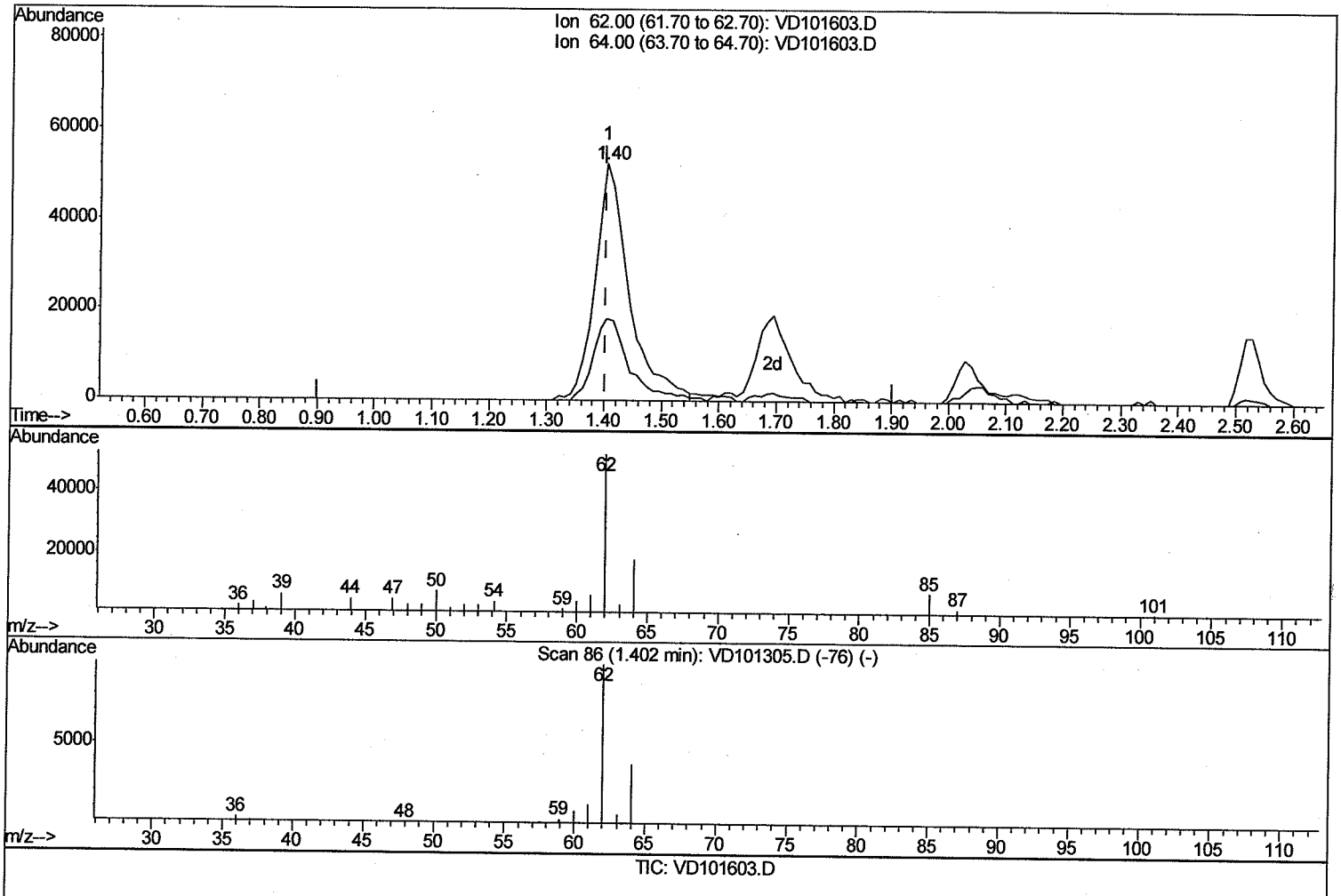
1.404min (+0.002) 64.78ug/l m

response 217347

Ion	Exp%	Act%
62.00	100	100
64.00	37.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(4) Vinyl Chloride (C)

1.404min (+0.002) 64.78ug/l m

response 217347

Ion	Exp%	Act%
62.00	100	100
64.00	37.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.09	168	496778	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.56	114	859111	50.00	ug/l		0.02
55) Chlorobenzene-d5	7.63	117	772940	50.00	ug/l		0.01
64) 1,4-Dichlorobenzene-d4	9.83	152	388140	50.00	ug/l		0.01
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.14	65	452870	53.82	ug/l		0.02
Spiked Amount 50.000			Recovery = 107.64%				
31) Dibromofluoromethane	3.71	113	338620	48.35	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.70%				
41) Toluene-d8	5.90	98	959780	48.71	ug/l		0.01
Spiked Amount 50.000			Recovery = 97.42%				
54) 4-Bromofluorobenzene	8.84	95	398432	47.38	ug/l		0.01
Spiked Amount 50.000			Recovery = 94.76%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.23	85	308095	80.41	ug/l		95
3) Chloromethane	1.32	50	249335	76.87	ug/l		100
4) Vinyl Chloride	1.40	62	217347m	64.78	ug/l		
5) Bromomethane	1.60	94	123909	77.75	ug/l		95
6) Chloroethane	1.69	64	85647	72.67	ug/l	#	65
7) Trichlorofluoromethane	1.70	101	240631m	57.47	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.13	101	222561m	54.62	ug/l		
9) Tert butyl alcohol	2.72	59	128316	258.01	ug/l		100
10) 1,1-Dichloroethene	2.03	96	166660	54.16	ug/l		95
11) Iodomethane	2.12	142	275345	42.21	ug/l		99
12) Acrolein	2.27	56	110828	252.85	ug/l	#	20
13) Acrylonitrile	2.93	53	276572	266.23	ug/l		94
14) Acetone	2.47	43	266230	250.29	ug/l		96
15) Carbon Disulfide	2.05	76	472263	64.75	ug/l		100
16) Methyl Acetate	2.54	43	274418	54.17	ug/l		91
17) Methyl tert-butyl Ether	2.61	73	534804	51.99	ug/l		98
18) Methylene Chloride	2.41	84	206062	54.16	ug/l		98
19) trans-1,2-Dichloroethene	2.53	96	203745	54.86	ug/l		98
20) Vinyl Acetate	3.14	43	2208322	395.88	ug/l		100
21) 1,1-Dichloroethane	2.96	63	340502	51.43	ug/l		99
22) 2-Butanone	3.82	43	885738	257.47	ug/l		99
23) 2,2-Dichloropropane	3.43	77	284080	52.14	ug/l		96
24) cis-1,2-Dichloroethene	3.35	96	257972	51.87	ug/l		98
25) Bromochloromethane	3.51	49	188075	45.75	ug/l	#	94
26) Chloroform	3.56	83	466559	52.09	ug/l		98
27) Cyclohexane	3.51	56	298291	47.50	ug/l		97
28) 1,1,1-Trichloroethane	3.73	97	345104	48.63	ug/l		98
32) 1,1-Dichloropropene	3.82	75	334873	50.14	ug/l		99
33) Carbon Tetrachloride	3.67	117	379287	51.80	ug/l		95
34) Methylcyclohexane	4.53	83	343622	60.39	ug/l		98
35) Benzene	4.03	78	764530	50.92	ug/l		100
36) 1,2-Dichloroethane	4.20	62	372196	48.34	ug/l		99
37) Trichloroethene	4.53	130	266443	50.28	ug/l		98
38) 1,2-Dichloropropane	5.01	63	234370	50.28	ug/l		98

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

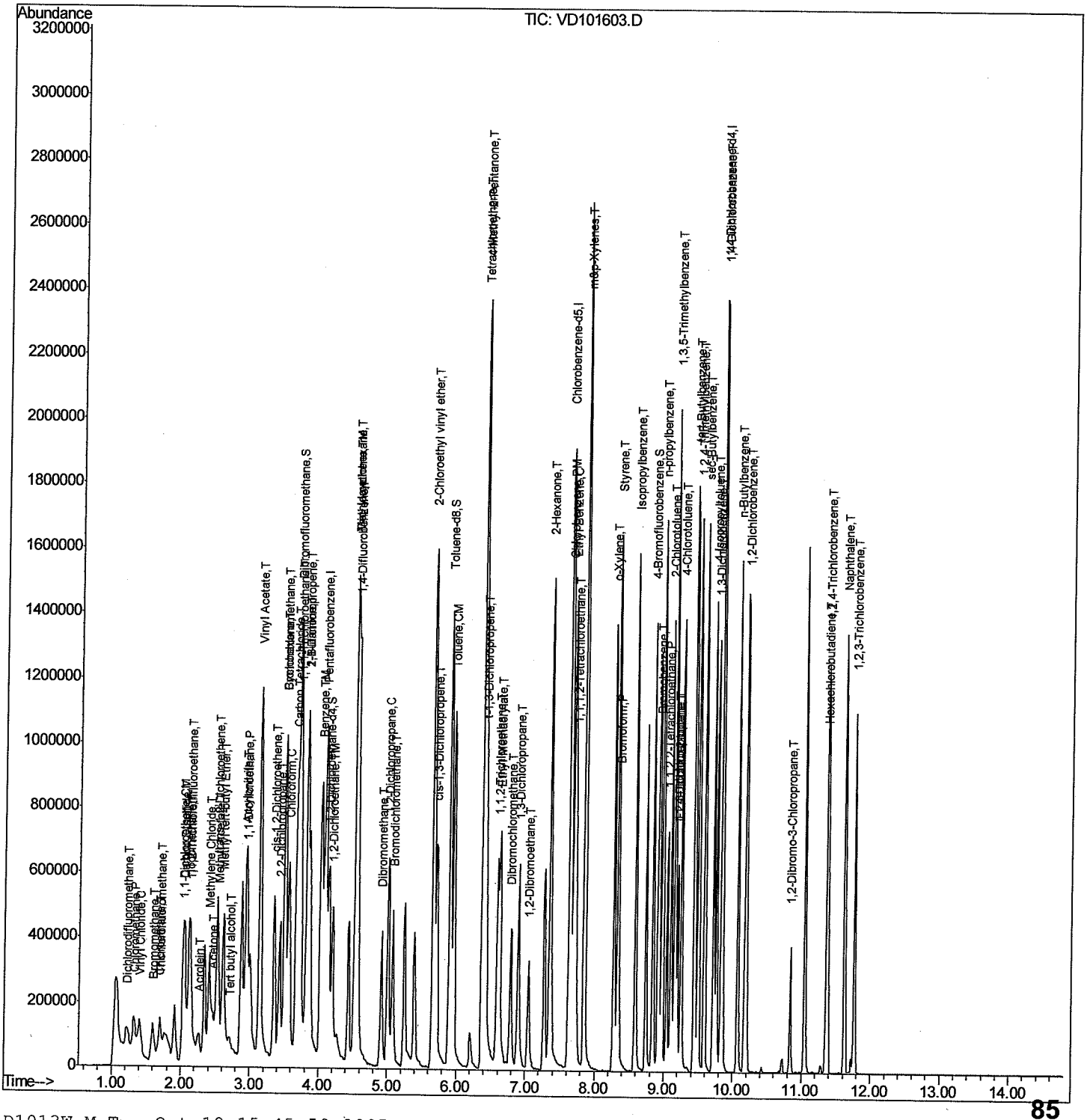
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.91	93	194412	49.75 ug/l	99
40) Bromodichloromethane	5.08	83	317824	51.59 ug/l	97
42) 4-Methyl-2-Pentanone	6.39	43	1516456	233.74 ug/l	100
43) t-1,4-Dichloro-2-butene	9.19	53	145653	45.83 ug/l	96
44) Toluene	5.95	92	486708	49.49 ug/l	97
45) t-1,3-Dichloropropene	6.42	75	350217	51.84 ug/l	98
46) cis-1,3-Dichloropropene	5.70	75	360245	52.16 ug/l	100
47) Ethyl Methacrylate	6.63	69	344871	50.02 ug/l	99
48) 1,1,2-Trichloroethane	6.59	97	224881	48.33 ug/l	96
49) 1,3-Dichloropropane	6.90	76	389025	49.15 ug/l	98
50) 2-Chloroethyl vinyl ether	5.66	63	795801	246.49 ug/l	100
51) 2-Hexanone	7.36	43	1273836	236.99 ug/l	97
52) Dibromochloromethane	6.79	129	254464	51.71 ug/l	100
53) 1,2-Dibromoethane	7.05	107	267598	48.79 ug/l	99
56) Tetrachloroethene	6.38	164	240512	43.46 ug/l	97
57) Chlorobenzene	7.65	112	560224	48.13 ug/l	99
58) 1,1,1,2-Tetrachloroethane	7.72	131	221049	51.06 ug/l	100
59) Ethyl Benzene	7.69	106	281341	48.21 ug/l	100
60) m&p-Xylenes	7.85	106	645158	93.83 ug/l	94
61) o-Xylene	8.27	106	343721	48.33 ug/l	96
62) Styrene	8.34	104	590174	47.73 ug/l	99
63) Bromoform	8.35	173	154279	46.53 ug/l	99
65) Isopropylbenzene	8.59	105	849401	49.02 ug/l	100
66) 1,1,2,2-Tetrachloroethane	9.05	83	327090	49.86 ug/l	99
67) 1,2,3-Trichloropropane	9.19	75	132071	51.11 ug/l #	34
68) Bromobenzene	8.93	156	239295	49.51 ug/l	96
69) n-propylbenzene	8.97	91	1041168	51.49 ug/l	99
70) 2-Chlorotoluene	9.10	91	628961	49.81 ug/l	98
71) 1,3,5-Trimethylbenzene	9.16	105	688393	47.46 ug/l	100
72) 4-Chlorotoluene	9.26	91	684047	52.16 ug/l	100
73) tert-Butylbenzene	9.43	119	647120	52.03 ug/l	97
74) 1,2,4-Trimethylbenzene	9.50	105	713162	49.25 ug/l	99
75) sec-Butylbenzene	9.59	105	860738	48.90 ug/l	99
76) 4-Isopropyltoluene	9.72	119	725221	50.70 ug/l	99
77) 1,3-Dichlorobenzene	9.77	146	424624	49.73 ug/l	98
78) 1,4-Dichlorobenzene	9.84	146	431523	49.54 ug/l	99
79) n-Butylbenzene	10.07	91	692322	51.89 ug/l	100
80) 1,2-Dichlorobenzene	10.19	146	385877	46.85 ug/l	98
81) 1,2-Dibromo-3-Chloropropan	10.84	75	71233	52.98 ug/l	98
82) 1,2,4-Trichlorobenzene	11.37	180	255323	51.13 ug/l	98
83) Hexachlorobutadiene	11.36	225	77076	50.76 ug/l	95
84) Naphthalene	11.62	128	795806	51.36 ug/l	100
85) 1,2,3-Trichlorobenzene	11.77	180	243748	50.73 ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

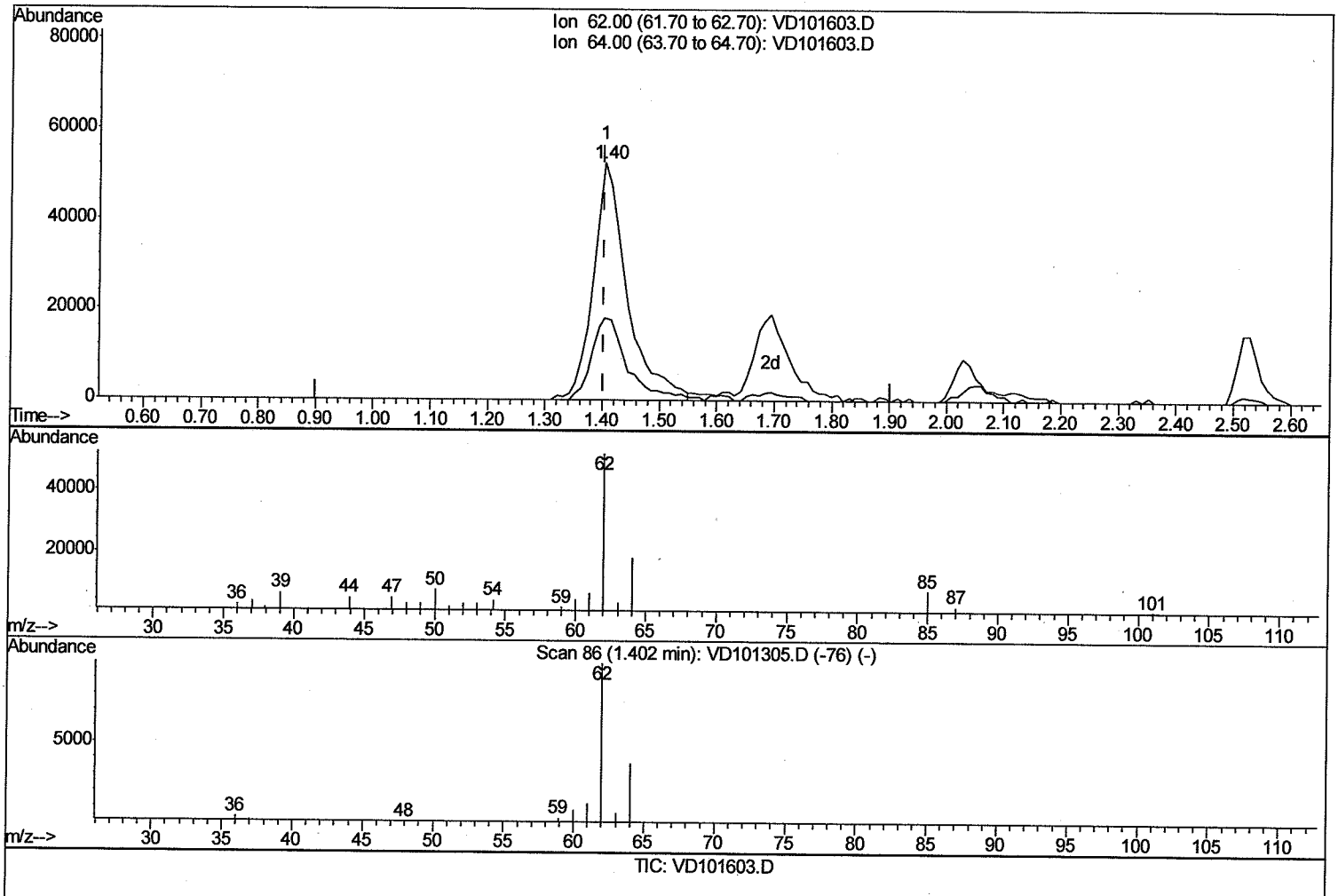
Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(4) Vinyl Chloride (C)

1.404min (+0.002) 64.78ug/l m

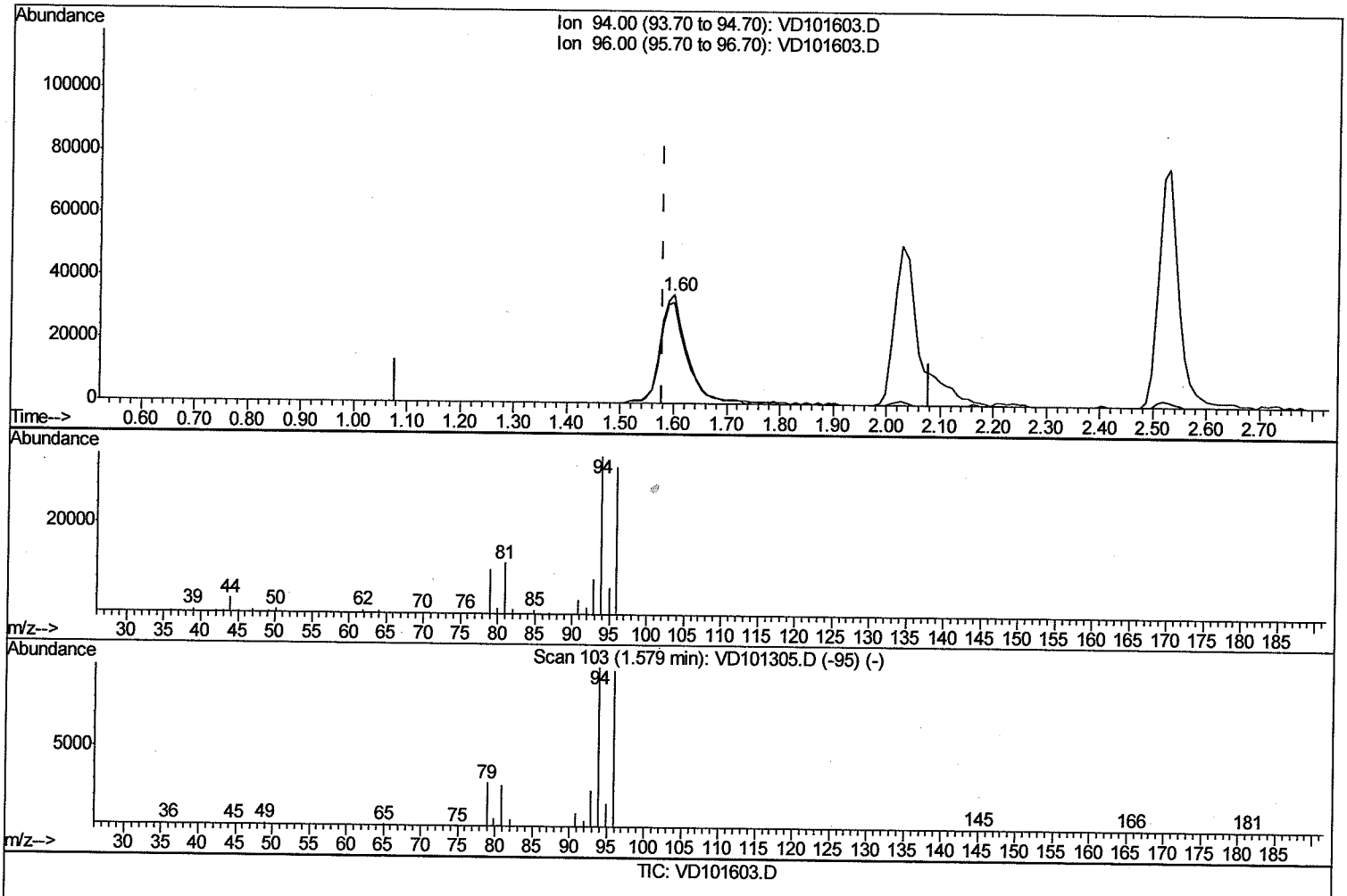
response 217347

Ion	Exp%	Act%
62.00	100	100
64.00	37.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(5) Bromomethane (T)

1.600min (+0.021) 77.75ug/l

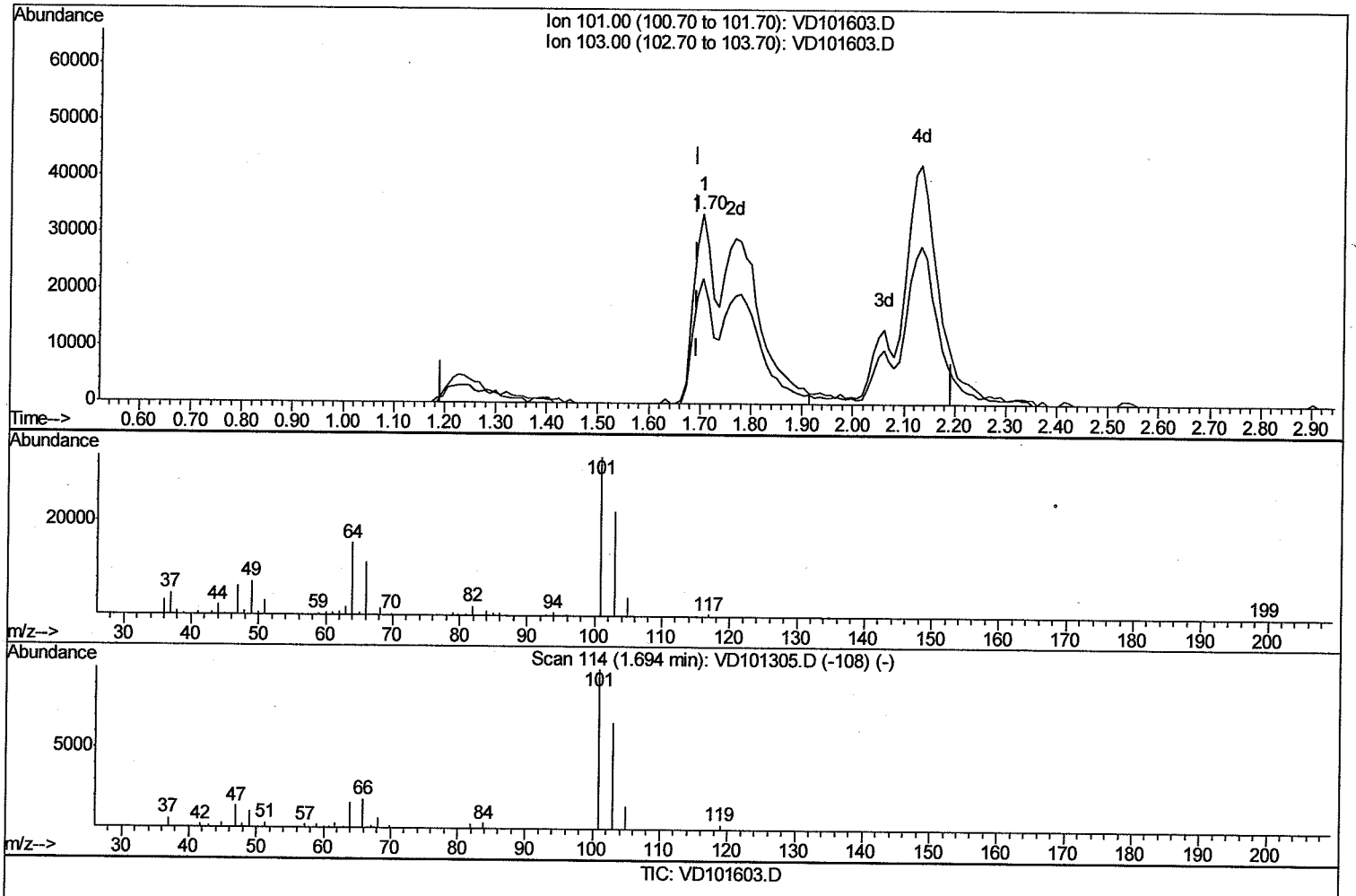
response 123909

Ion	Exp%	Act%
94.00	100	100
96.00	98.10	93.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(7) Trichlorofluoromethane (T)

1.705min (+0.012) 57.47ug/l m

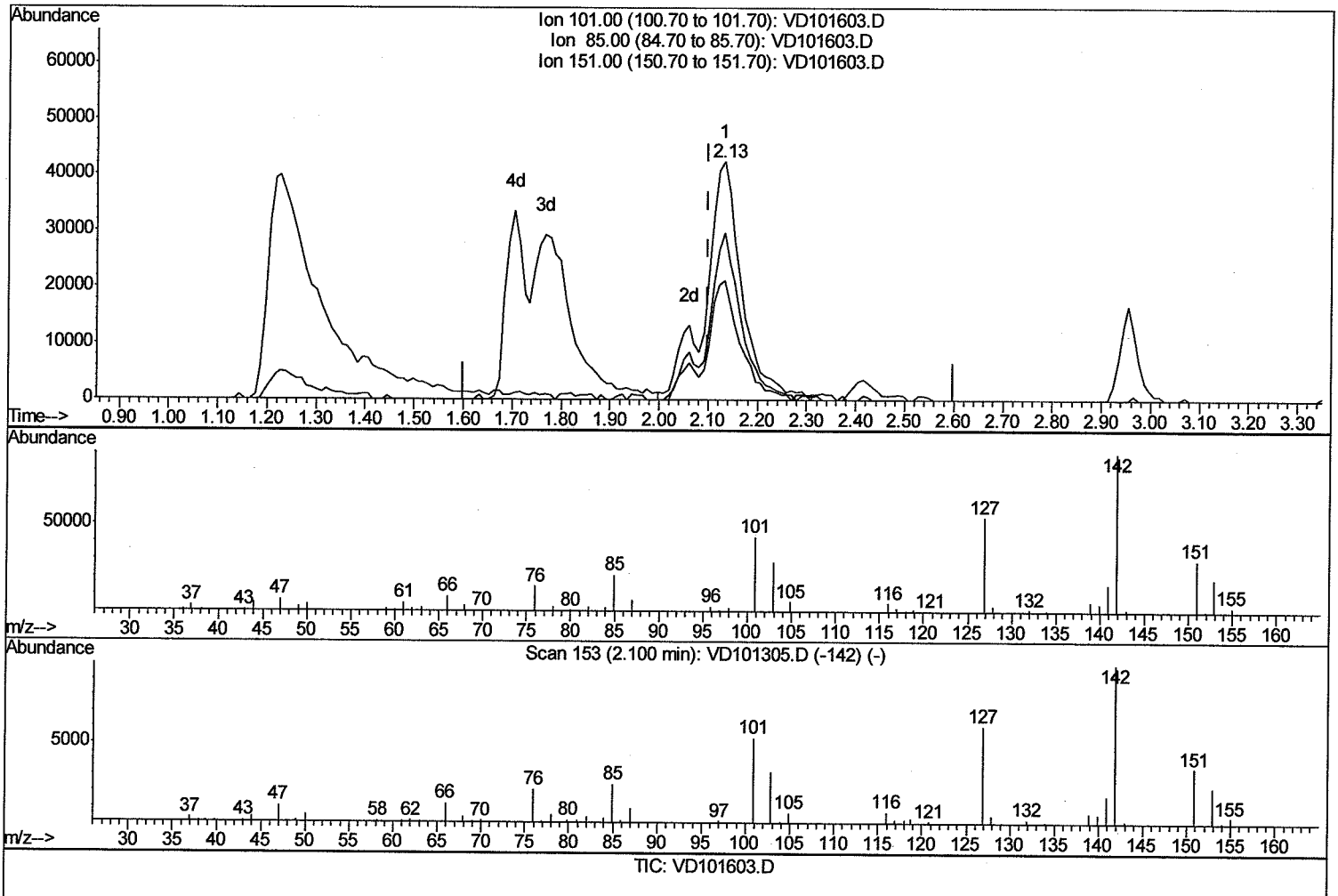
response 240631

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	66.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101603.D
Acq On : 16 Oct 2005 2:53 pm
Operator : sam
Sample : 50 PPB CCC
Misc : 5mL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 15:34:22 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101603.D

(8) 1,1,2-Trichlorotrifluoroethane (T)

2.133min (+0.032) 54.62ug/l m

response 222561

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	40.22
151.00	65.80	54.36
0.00	0.00	0.00

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Instrument ID: MSVOAD Calibration Date/Time: 10/18/2005 21:32

Lab File ID: VD101828.D Init. Calib. Date(s): 10/13/2005 10/13/2005

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:03 16:30

GC Column: RTX502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	1.035	1.168		12.9	
Benzene	0.874	0.978		11.9	
Toluene	0.572	0.627		9.6	20.0
Ethyl Benzene	0.378	0.410		8.5	20.0
m&p-Xylenes	0.445	0.481		8.1	
o-Xylene	0.460	0.485		5.4	
Isopropylbenzene	2.232	2.451		9.8	
n-propylbenzene	2.605	2.884		10.7	
1,3,5-Trimethylbenzene	1.868	1.992		6.6	
tert-Butylbenzene	1.602	1.675		4.6	
1,2,4-Trimethylbenzene	1.865	2.015		8.0	
sec-Butylbenzene	2.268	2.395		5.6	
4-Isopropyltoluene	1.843	1.978		7.3	
n-Butylbenzene	1.719	1.853		7.8	
Naphthalene	1.996	2.221		11.3	
1,2-Dichloroethane-d4	0.847	0.859		1.4	
Dibromofluoromethane	0.408	0.416		2.0	
Toluene-d8	1.147	1.147		0.0	
4-Bromofluorobenzene	0.489	0.487		-0.4	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.09	168	497748	50.00	ug/l		0.01
30) 1,4-Difluorobenzene	4.55	114	840664	50.00	ug/l		0.01
55) Chlorobenzene-d5	7.62	117	774419	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.83	152	395120	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.14	65	427462	50.71	ug/l		0.01
Spiked Amount 50.000			Recovery = 101.42%				
31) Dibromofluoromethane	3.70	113	349971	51.07	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.14%				
41) Toluene-d8	5.90	98	964625	50.03	ug/l		0.00
Spiked Amount 50.000			Recovery = 100.06%				
54) 4-Bromofluorobenzene	8.83	95	409642	49.78	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.24	85	67269m	17.52	ug/l		
3) Chloromethane	1.32	50	76454	23.53	ug/l		99
4) Vinyl Chloride	1.39	62	55512m	16.51	ug/l		
5) Bromomethane	1.59	94	37880	23.72	ug/l		93
6) Chloroethane	1.69	64	30909	26.17	ug/l	#	57
7) Trichlorofluoromethane	1.70	101	77857m	18.56	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.13	101	76333	18.70	ug/l		98
9) Tert butyl alcohol	2.70	59	69560	139.59	ug/l		100
10) 1,1-Dichloroethene	2.02	96	68791	22.31	ug/l		99
11) Iodomethane	2.12	142	112907	17.28	ug/l		97
12) Acrolein	2.25	56	22247	50.66	ug/l	#	39
13) Acrylonitrile	2.93	53	115785	111.24	ug/l		98
14) Acetone	2.46	43	139909	131.28	ug/l		99
15) Carbon Disulfide	2.04	76	168289	23.03	ug/l		98
16) Methyl Acetate	2.54	43	138353	27.26	ug/l		97
17) Methyl tert-butyl Ether	2.61	73	232615	22.57	ug/l		95
18) Methylene Chloride	2.41	84	89912	23.59	ug/l		96
19) trans-1,2-Dichloroethene	2.52	96	79979	21.49	ug/l		98
20) Vinyl Acetate	3.14	43	746892	133.63	ug/l		99
21) 1,1-Dichloroethane	2.95	63	147365	22.22	ug/l		98
22) 2-Butanone	3.81	43	399490	115.90	ug/l		99
23) 2,2-Dichloropropane	3.43	77	105873	19.39	ug/l		98
24) cis-1,2-Dichloroethene	3.35	96	110218	22.12	ug/l		97
25) Bromochloromethane	3.49	49	82499	20.03	ug/l	#	100
26) Chloroform	3.55	83	197192	21.97	ug/l		100
27) Cyclohexane	3.50	56	142232	22.60	ug/l		99
28) 1,1,1-Trichloroethane	3.72	97	149685	21.05	ug/l		96
32) 1,1-Dichloropropene	3.81	75	138739	21.23	ug/l		99
33) Carbon Tetrachloride	3.67	117	147285	20.56	ug/l		96
34) Methylcyclohexane	4.52	83	145458	26.12	ug/l		96
35) Benzene	4.02	78	328968	22.39	ug/l		100
36) 1,2-Dichloroethane	4.19	62	159444	21.16	ug/l		100
37) Trichloroethene	4.53	130	110091	21.23	ug/l		100
38) 1,2-Dichloropropane	5.00	63	98192	21.53	ug/l		94

Quantitation Report (QT Reviewed)

Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

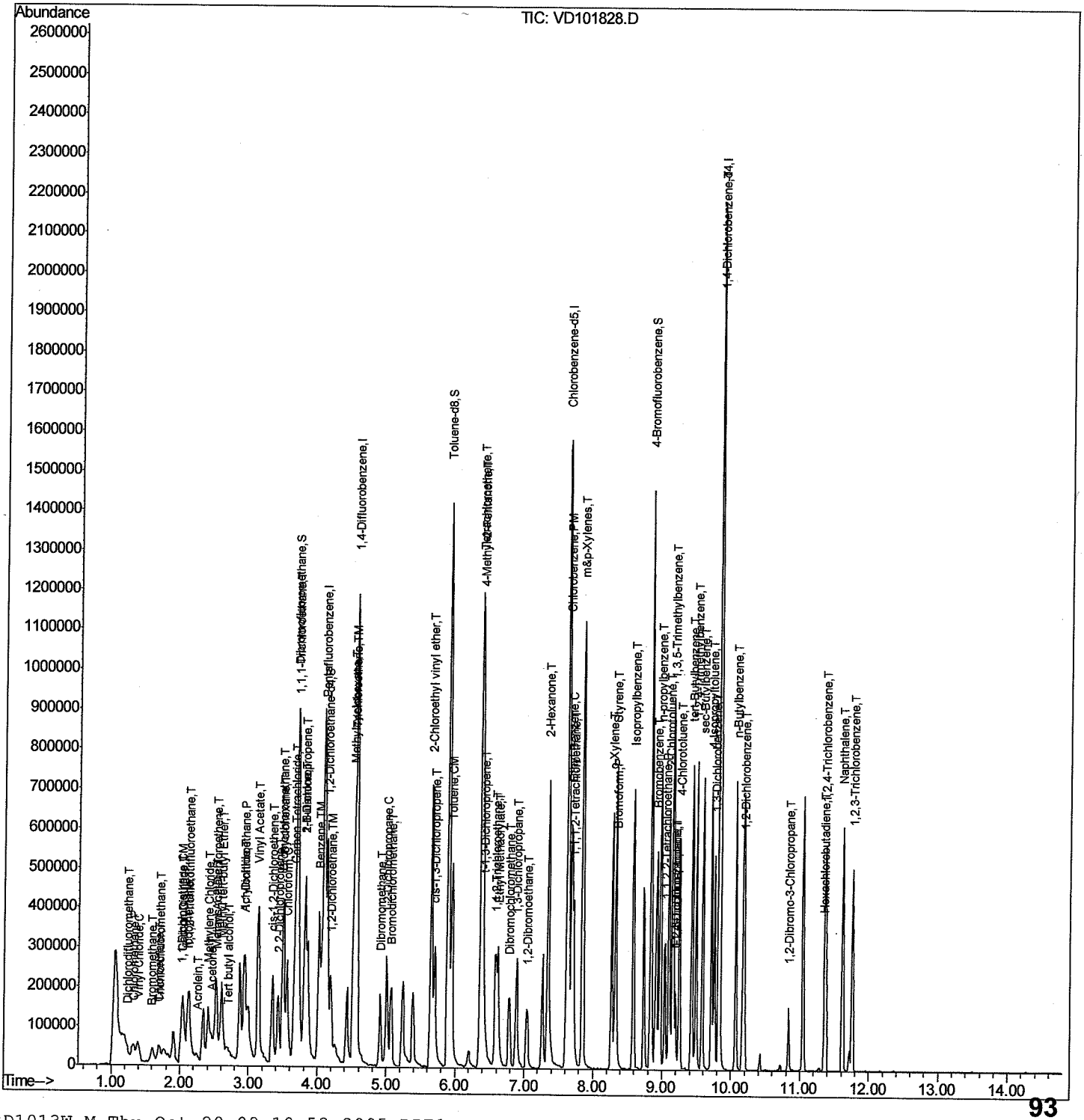
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.91	93	83507	21.84 ug/l	97
40) Bromodichloromethane	5.08	83	131595	21.83 ug/l	99
42) 4-Methyl-2-Pentanone	6.38	43	710480	111.91 ug/l	99
43) t-1,4-Dichloro-2-butene	9.19	53	46940	15.09 ug/l #	79
44) Toluene	5.95	92	210687	21.89 ug/l	99
45) t-1,3-Dichloropropene	6.42	75	141275	21.37 ug/l	100
46) cis-1,3-Dichloropropene	5.70	75	140922	20.85 ug/l	100
47) Ethyl Methacrylate	6.62	69	153525	22.76 ug/l	99
48) 1,1,2-Trichloroethane	6.58	97	97454	21.40 ug/l	95
49) 1,3-Dichloropropane	6.89	76	172271	22.24 ug/l	98
50) 2-Chloroethyl vinyl ether	5.66	63	347632	110.04 ug/l	100
51) 2-Hexanone	7.35	43	556427	105.79 ug/l	99
52) Dibromochloromethane	6.79	129	104377	21.68 ug/l	99
53) 1,2-Dibromoethane	7.04	107	118717	22.12 ug/l	99
56) Tetrachloroethene	6.37	164	129324	23.32 ug/l	99
57) Chlorobenzene	7.64	112	251265	21.55 ug/l	98
58) 1,1,1,2-Tetrachloroethane	7.71	131	92875	21.41 ug/l	98
59) Ethyl Benzene	7.68	106	127082	21.73 ug/l	100
60) m&p-Xylenes	7.85	106	297852	43.24 ug/l	100
61) o-Xylene	8.28	106	150239	21.09 ug/l	96
62) Styrene	8.33	104	280965	22.68 ug/l	99
63) Bromoform	8.34	173	58484	17.61 ug/l	98
65) Isopropylbenzene	8.58	105	387322	21.96 ug/l	99
66) 1,1,2,2-Tetrachloroethane	9.04	83	145530	21.79 ug/l	99
67) 1,2,3-Trichloropropane	9.19	75	33113	12.59 ug/l #	34
68) Bromobenzene	8.92	156	106505	21.65 ug/l	99
69) n-propylbenzene	8.97	91	455838	22.14 ug/l	99
70) 2-Chlorotoluene	9.10	91	287046	22.33 ug/l	96
71) 1,3,5-Trimethylbenzene	9.16	105	314781	21.32 ug/l	100
72) 4-Chlorotoluene	9.25	91	297604	22.29 ug/l	97
73) tert-Butylbenzene	9.43	119	264704	20.91 ug/l	99
74) 1,2,4-Trimethylbenzene	9.49	105	318436	21.60 ug/l	98
75) sec-Butylbenzene	9.59	105	378511	21.12 ug/l	100
76) 4-Isopropyltoluene	9.71	119	312577	21.47 ug/l	98
77) 1,3-Dichlorobenzene	9.76	146	186255	21.43 ug/l	100
78) 1,4-Dichlorobenzene	9.84	146	191583	21.61 ug/l	98
79) n-Butylbenzene	10.07	91	292908	21.56 ug/l	99
80) 1,2-Dichlorobenzene	10.19	146	174567	20.82 ug/l	99
81) 1,2-Dibromo-3-Chloropropan	10.84	75	30216	22.08 ug/l	98
82) 1,2,4-Trichlorobenzene	11.37	180	109681	21.58 ug/l	97
83) Hexachlorobutadiene	11.35	225	31895	20.63 ug/l	93
84) Naphthalene	11.62	128	351091	22.26 ug/l	100
85) 1,2,3-Trichlorobenzene	11.76	180	104548	21.37 ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

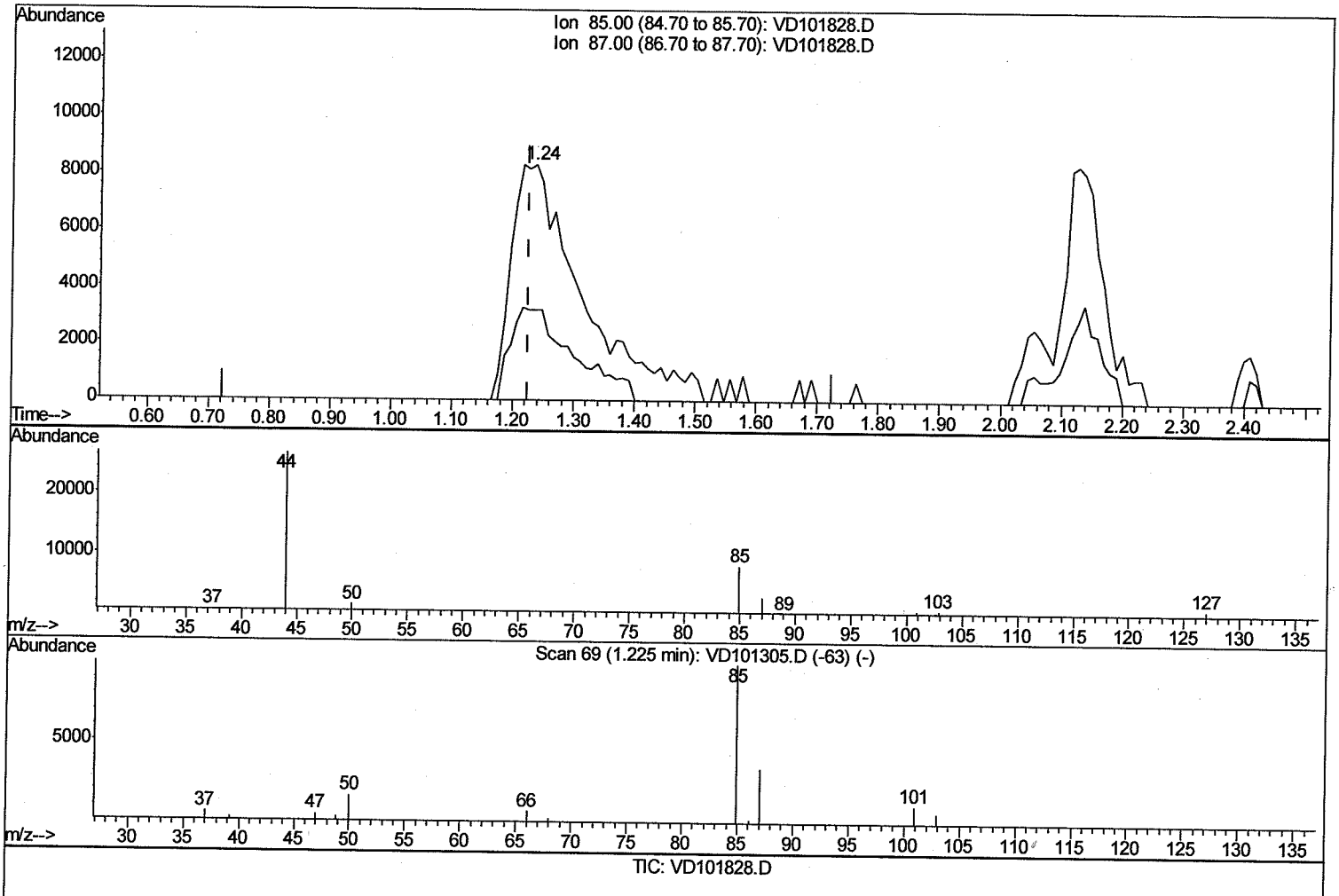
Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



TIC: VD101828.D

(2) Dichlorodifluoromethane (T)

1.237min (+0.012) 17.52ug/l m

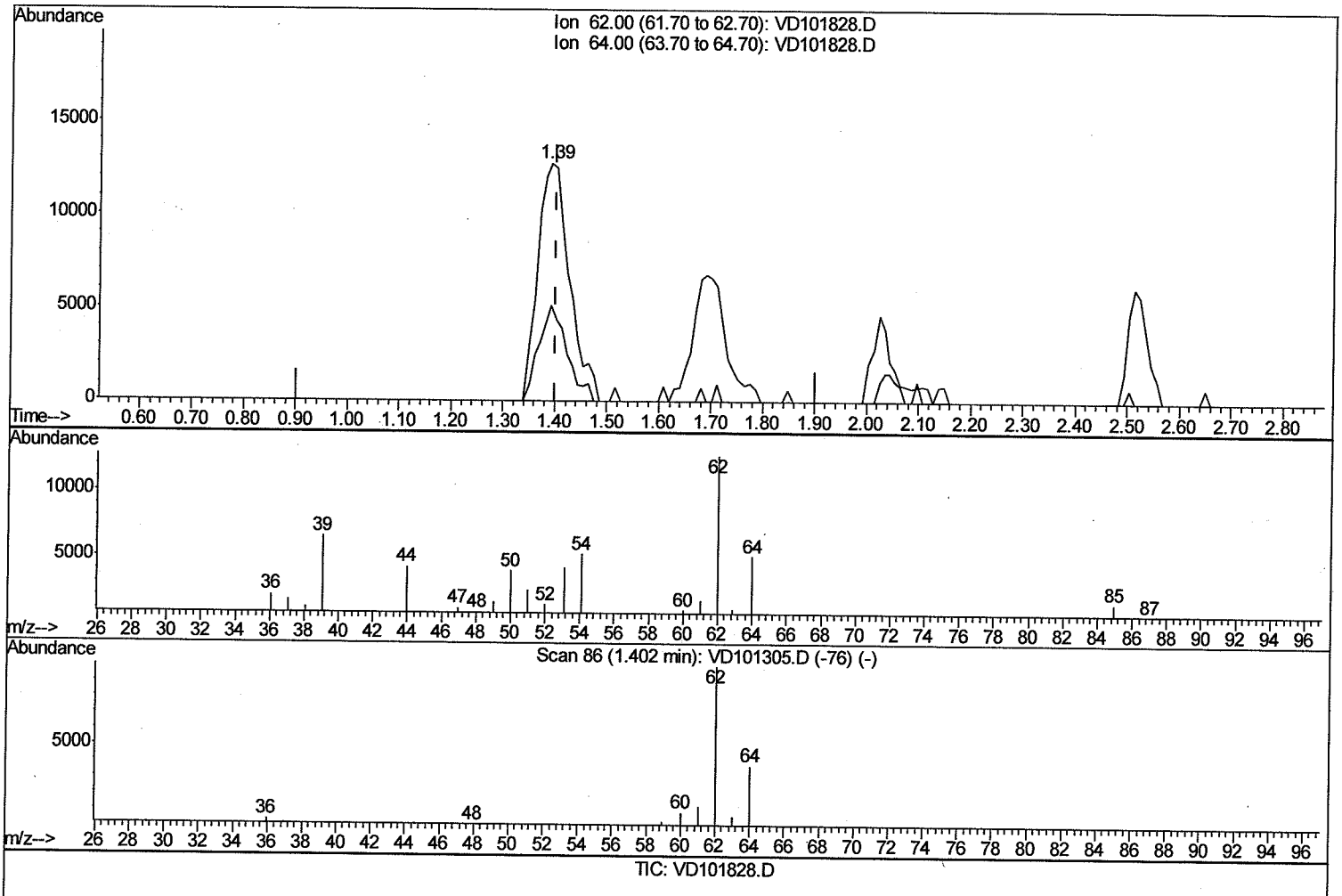
response 67269

Ion	Exp%	Act%
85.00	100	100
87.00	34.40	38.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



TIC: VD101828.D

(4) Vinyl Chloride (C)

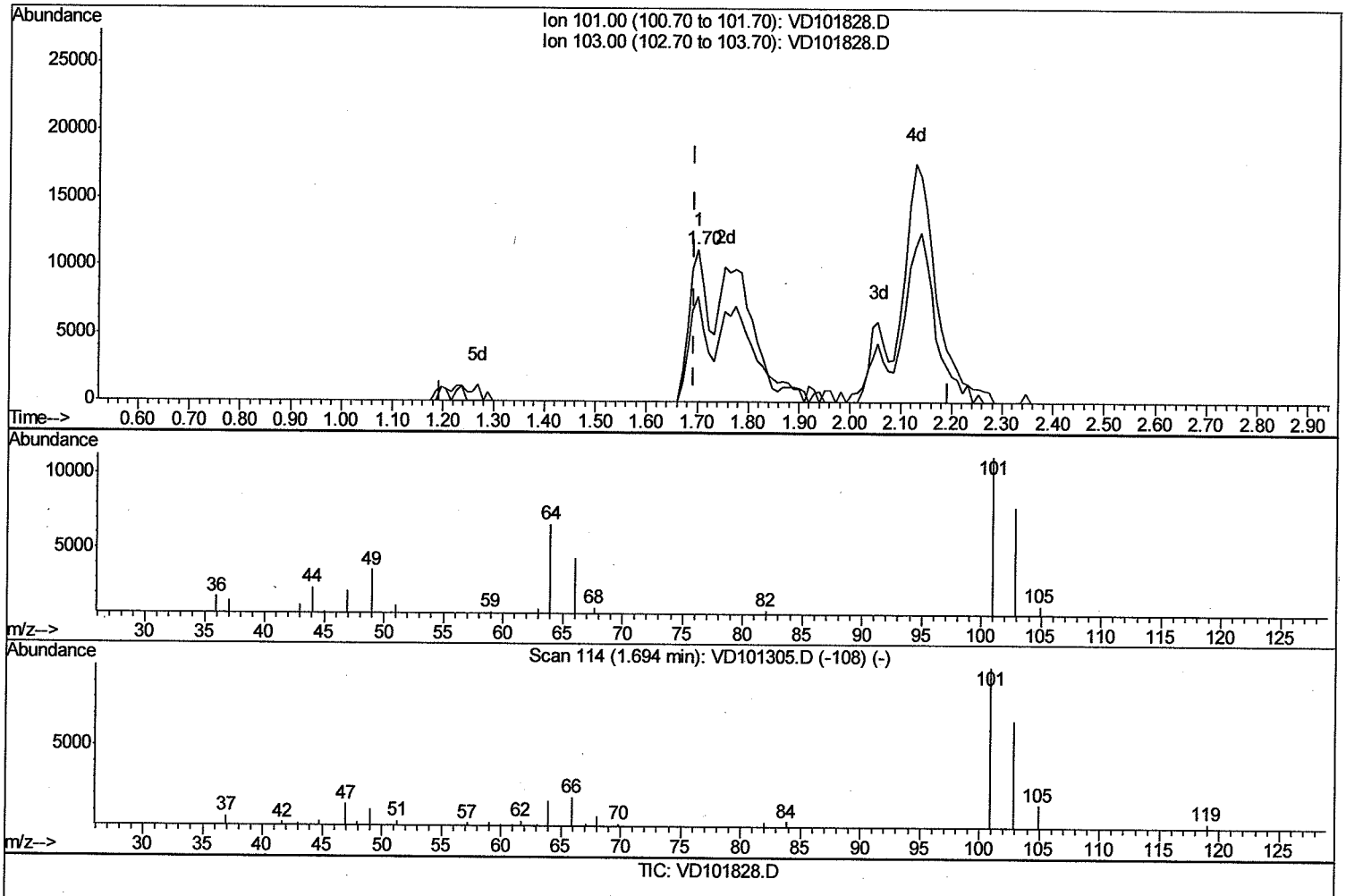
1.392min (-0.011) 16.51ug/l m

response 55512

Ion	Exp%	Act%
62.00	100	100
64.00	37.60	39.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101828.D
Acq On : 18 Oct 2005 21:32
Operator : sam
Sample : 20 PPB CCC
Misc : 5mL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 09:56:48 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



TIC: VD101828.D

(7) Trichlorofluoromethane (T)

1.702min (+0.009) 18.56ug/l m

response 77857

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	69.45
0.00	0.00	0.00
0.00	0.00	0.00

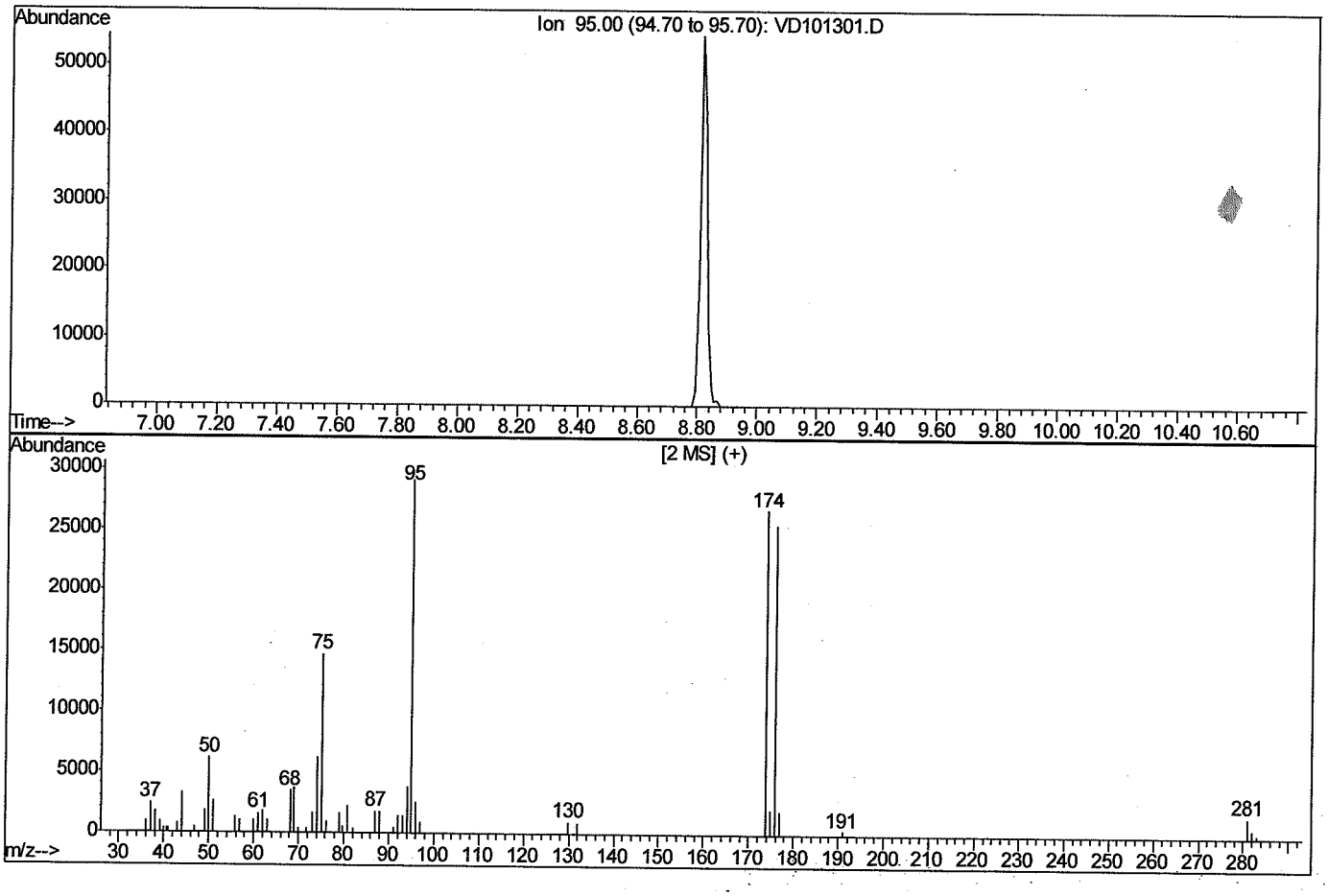
CHEMTECH

VOLATILES
RAW QC
DATA

Data Path : I:\Msvoa_D\DATA\VD101305\
Data File : VD101301.D
Acq On : 13 Oct 2005 1:38 pm
Operator : sam
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\MSVOA_D\METHOD\82D1013W.M
Title : SW846 8260
Last Update : Fri Oct 14 11:13:46 2005



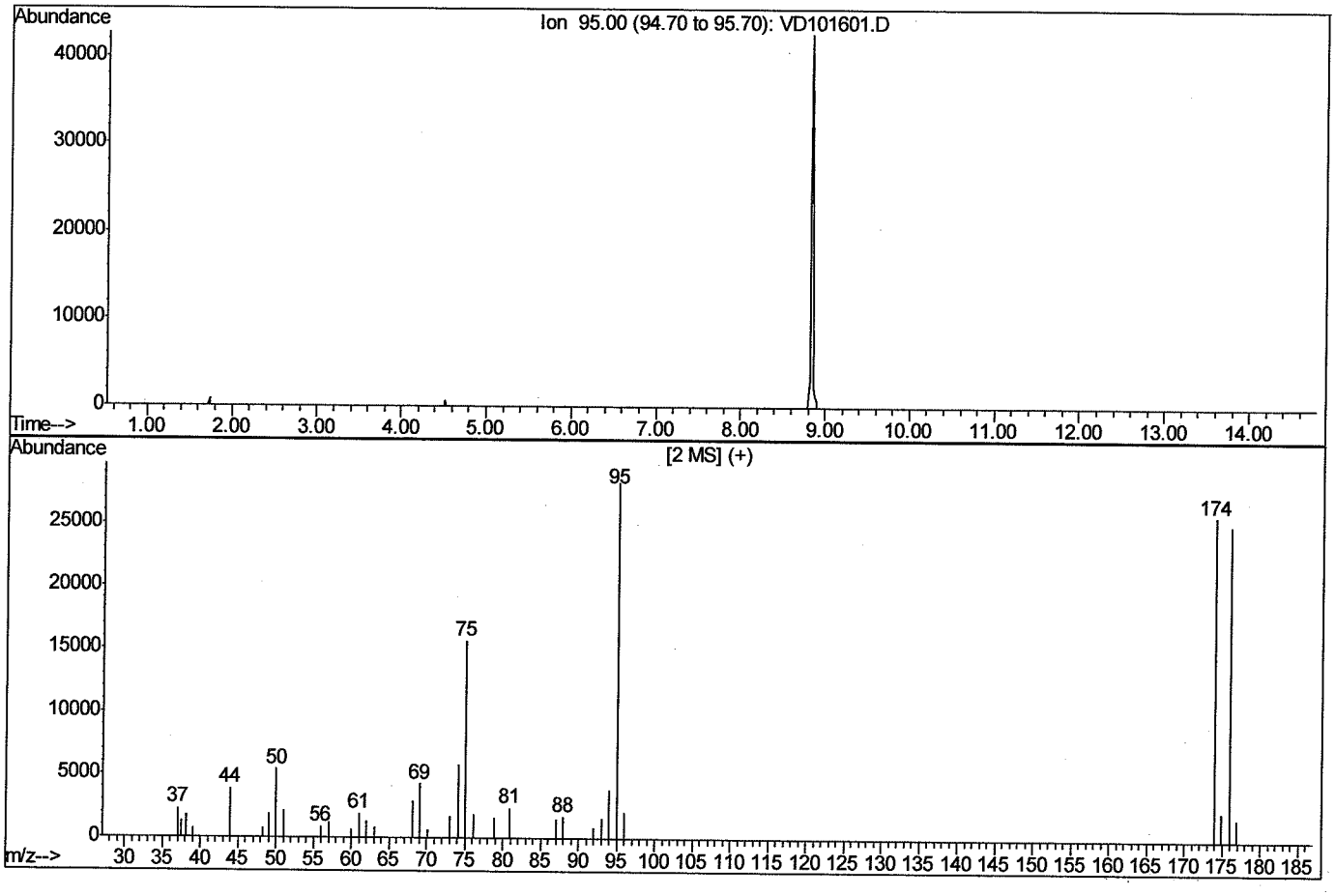
Spectrum Information: Average of 8.826 to 8.836 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	6132	PASS
75	95	30	60	50.4	14641	PASS
95	95	100	100	100.0	29072	PASS
96	95	5	9	8.7	2538	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.7	26659	PASS
175	174	5	9	7.4	1982	PASS
176	174	95	101	95.4	25442	PASS
177	176	5	9	7.6	1933	PASS

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101601.D
Acq On : 16 Oct 2005 2:04 pm
Operator : sam
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\MSVOA_D\METHOD\82D1013W.M
Title : SW846 8260
Last Update : Tue Oct 18 09:51:02 2005



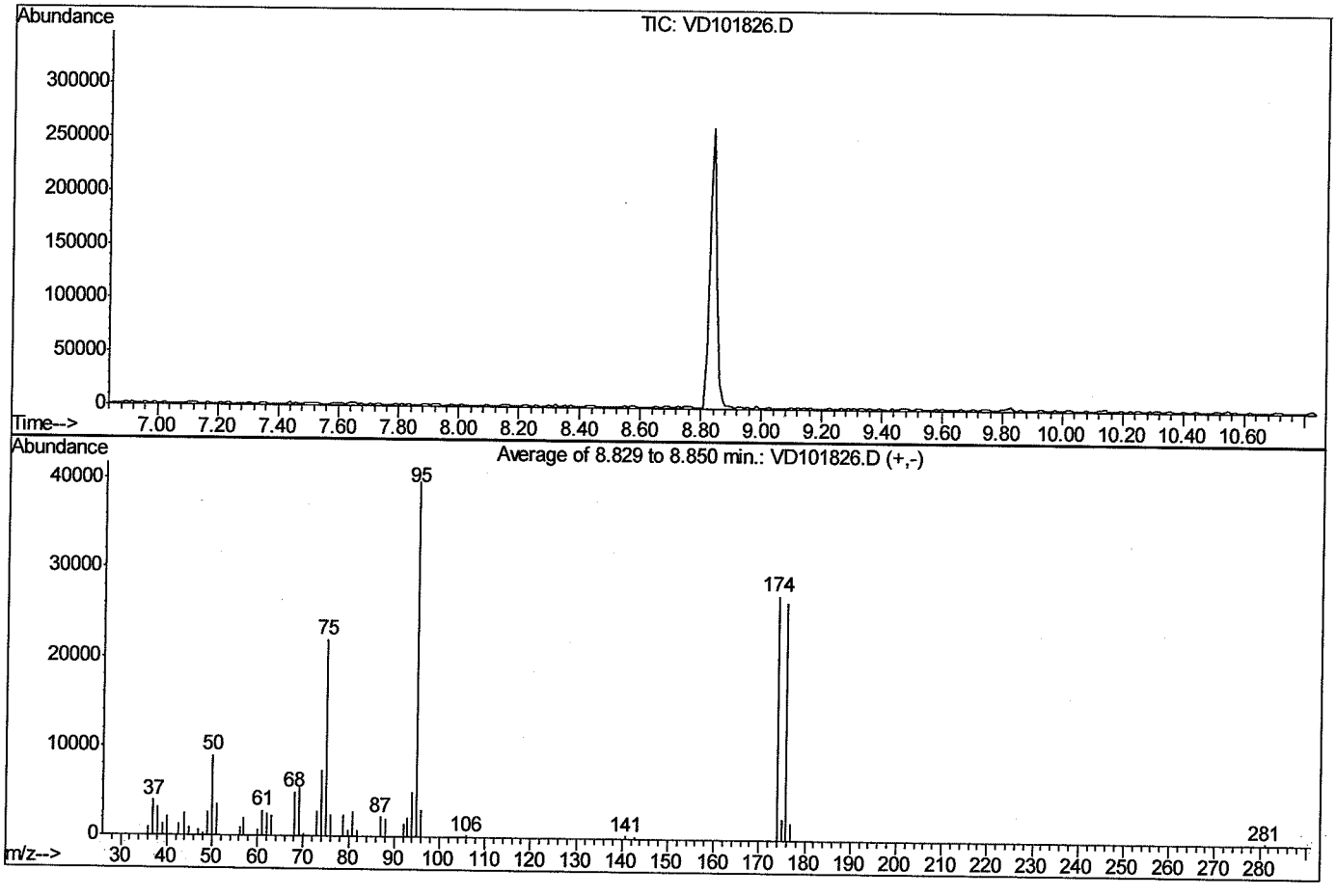
Spectrum Information: Average of 8.845 to 8.845 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	5389	PASS
75	95	30	60	55.3	15609	PASS
95	95	100	100	100.0	28250	PASS
96	95	5	9	7.2	2040	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	91.1	25734	PASS
175	174	5	9	8.6	2222	PASS
176	174	95	101	97.2	25002	PASS
177	176	5	9	7.0	1753	PASS

Data Path : X:\T5043\VOA\8260MEOH\
Data File : VD101826.D
Acq On : 18 Oct 2005 20:43
Operator : sam
Sample : BFB TUNE CHECK
Misc : 5mL
ALS Vial : 26 Sample Multiplier: 1

Integration File: RTEINT.P

Method : I:\MSVOA_D\METHOD\82D1013W.M
Title : SW846 8260
Last Update : Tue Oct 18 09:51:02 2005



Spectrum Information: Average of 8.829 to 8.850 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	8989	PASS
75	95	30	60	55.2	21930	PASS
95	95	100	100	100.0	39729	PASS
96	95	5	9	7.7	3064	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.7	27302	PASS
175	174	5	9	8.7	2388	PASS
176	174	95	101	96.9	26460	PASS
177	176	5	9	7.5	1991	PASS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**714 Broadway, city of Schenectady**	**Date Received:**	
Client Sample ID:	**VBLK01**	**SDG No.:**	**T5189**
Lab Sample ID:	**VBD1016W2**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101605.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.55	99 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.81	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	47.84	96 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.12	96 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	475424	4.10			
540-36-3	1,4-Difluorobenzene	823000	4.57			
3114-55-4	Chlorobenzene-d5	765910	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	375618	9.83			

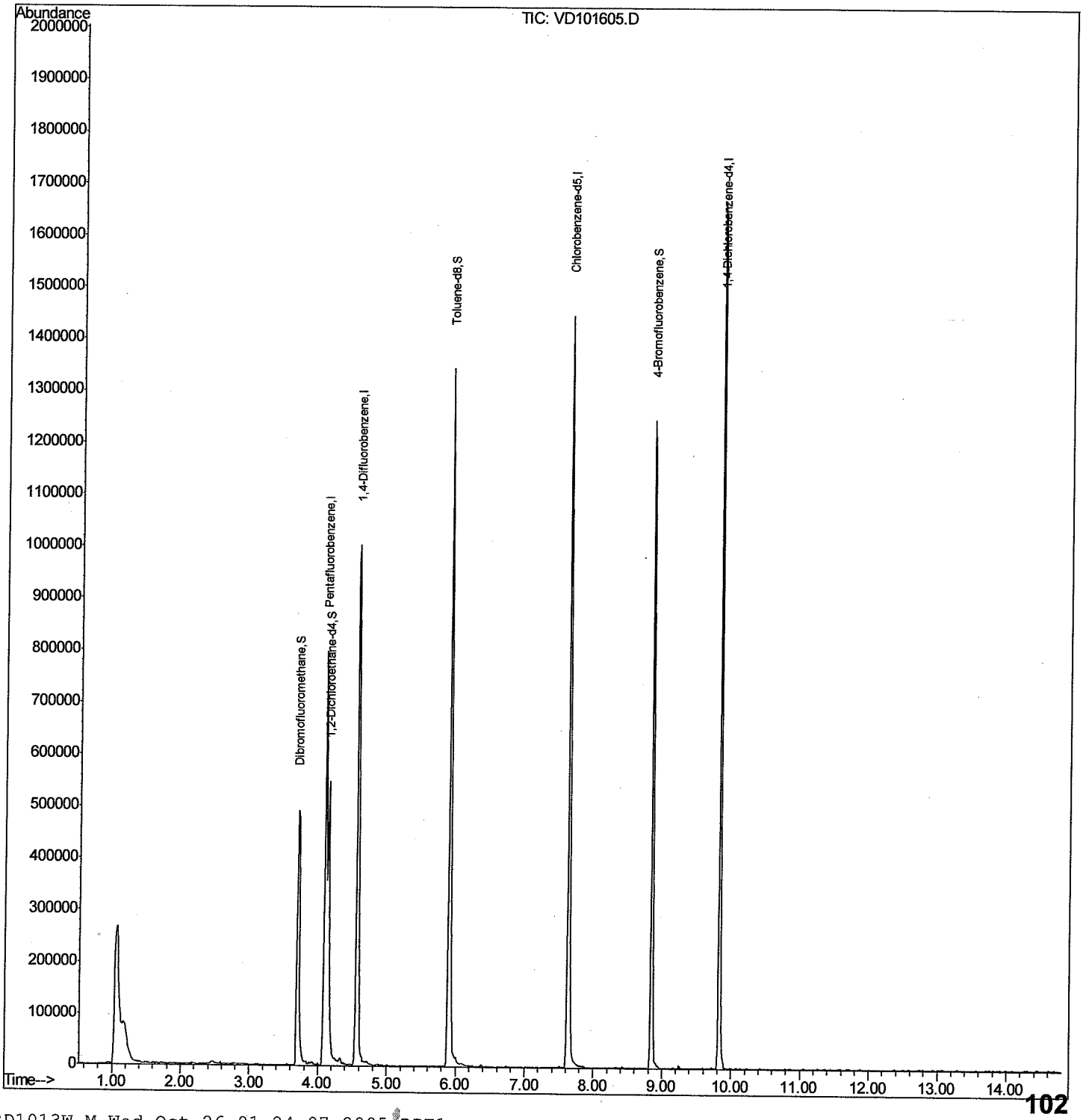
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101605.D
Acq On : 16 Oct 2005 3:42 pm
Operator : sam
Sample : VBD1016W2
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 15:38:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Quantitation Report (LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101605.D
Acq On : 16 Oct 2005 3:42 pm
Operator : sam
Sample : VBD1016W2
Misc : 5mL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 15:38:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.10	168	475424	50.00	ug/l	0.02
30) 1,4-Difluorobenzene	4.57	114	823000	50.00	ug/l	0.03
55) Chlorobenzene-d5	7.63	117	765910	50.00	ug/l	0.01
64) 1,4-Dichlorobenzene-d4	9.83	152	375618	50.00	ug/l	0.02
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.14	65	399011	49.55	ug/l	0.02
Spiked Amount 50.000			Recovery = 99.10%			
31) Dibromofluoromethane	3.70	113	327484	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.62%			
41) Toluene-d8	5.91	98	902973	47.84	ug/l	0.01
Spiked Amount 50.000			Recovery = 95.68%			
54) 4-Bromofluorobenzene	8.84	95	387652	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.24%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	
Project:	714 Broadway, city of Schenectady	**Date Received:**	
Client Sample ID:	VBLK02	**SDG No.:**	T5189
Lab Sample ID:	VBD1018W2	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101829.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.31	101 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.14	96 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.75	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.43	99 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	479220	4.09			
540-36-3	1,4-Difluorobenzene	836857	4.56			
3114-55-4	Chlorobenzene-d5	757729	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	372640	9.82			

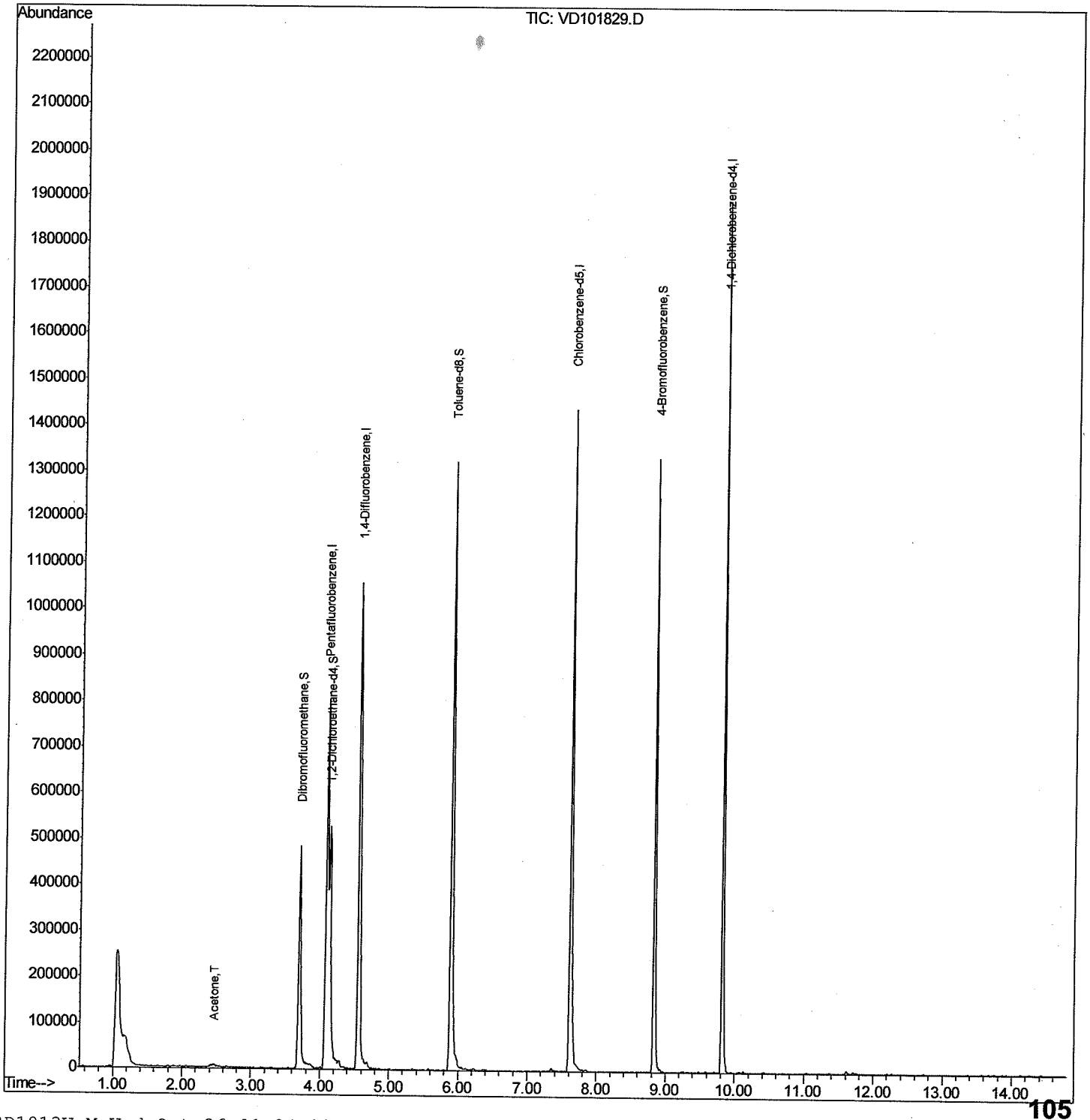
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101829.D
Acq On : 18 Oct 2005 9:56 pm
Operator : sam
Sample : VBD1018W2
Misc : 5mL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 09:59:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration



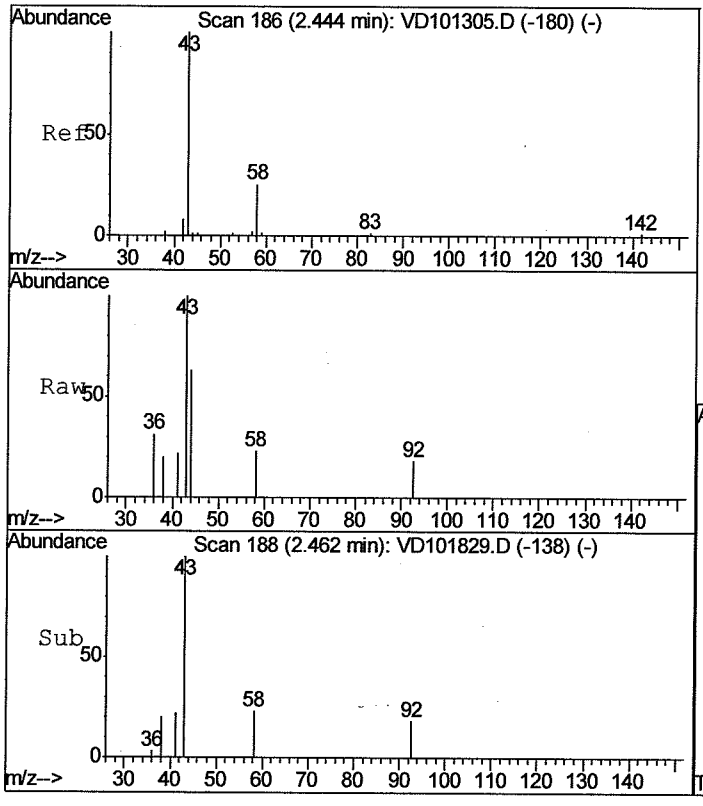
Quantitation Report (QT/LSC Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101829.D
Acq On : 18 Oct 2005 9:56 pm
Operator : sam
Sample : VBD1018W2
Misc : 5mL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 09:59:36 2005
Quant Method : I:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 09:51:02 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	479220	50.00	ug/l	0.00
30) 1,4-Difluorobenzene	4.56	114	836857	50.00	ug/l	0.01
55) Chlorobenzene-d5	7.62	117	757729	50.00	ug/l	0.00
64) 1,4-Dichlorobenzene-d4	9.82	152	372640	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	4.13	65	408344	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery = 100.62%			
31) Dibromofluoromethane	3.71	113	328397	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.28%			
41) Toluene-d8	5.89	98	935725	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.50%			
54) 4-Bromofluorobenzene	8.84	95	404912	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.86%			
Target Compounds						Qvalue
14) Acetone	2.46	43	17045	16.61	ug/l	94

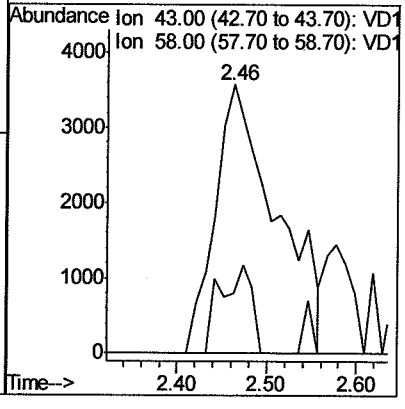
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#14
Acetone
Concen: 16.61 ug/l
RT: 2.46 min Scan# 188
Delta R.T. 0.02 min
Lab File: VD101829.D
Acq: 18 Oct 2005 9:56 pm

Tgt Ion: 43 Resp: 17045

Ion	Ratio	Lower	Upper
43	100		
58	22.5	20.4	30.6



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-1MS	**SDG No.:**	T5189
Lab Sample ID:	T5189-02MS	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Wol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101615.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	54		5.0	0.28	ug/L
71-43-2	Benzene	54		5.0	0.39	ug/L
108-88-3	Toluene	53		5.0	0.36	ug/L
100-41-4	Ethyl Benzene	51		5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	99		5.0	1.2	ug/L
95-47-6	o-Xylene	51		5.0	0.46	ug/L
98-82-8	Isopropylbenzene	54		5.0	0.44	ug/L
103-65-1	N-propylbenzene	57		5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	53		5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	61		5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	53		5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	53		5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	55		5.0	0.49	ug/L
104-51-8	n-Butylbenzene	59		5.0	0.49	ug/L
91-20-3	Naphthalene	56		5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.91	104 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.95	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.62	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	48.97	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	466434	4.10			
540-36-3	1,4-Difluorobenzene	826848	4.57			
3114-55-4	Chlorobenzene-d5	751772	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	369728	9.83			

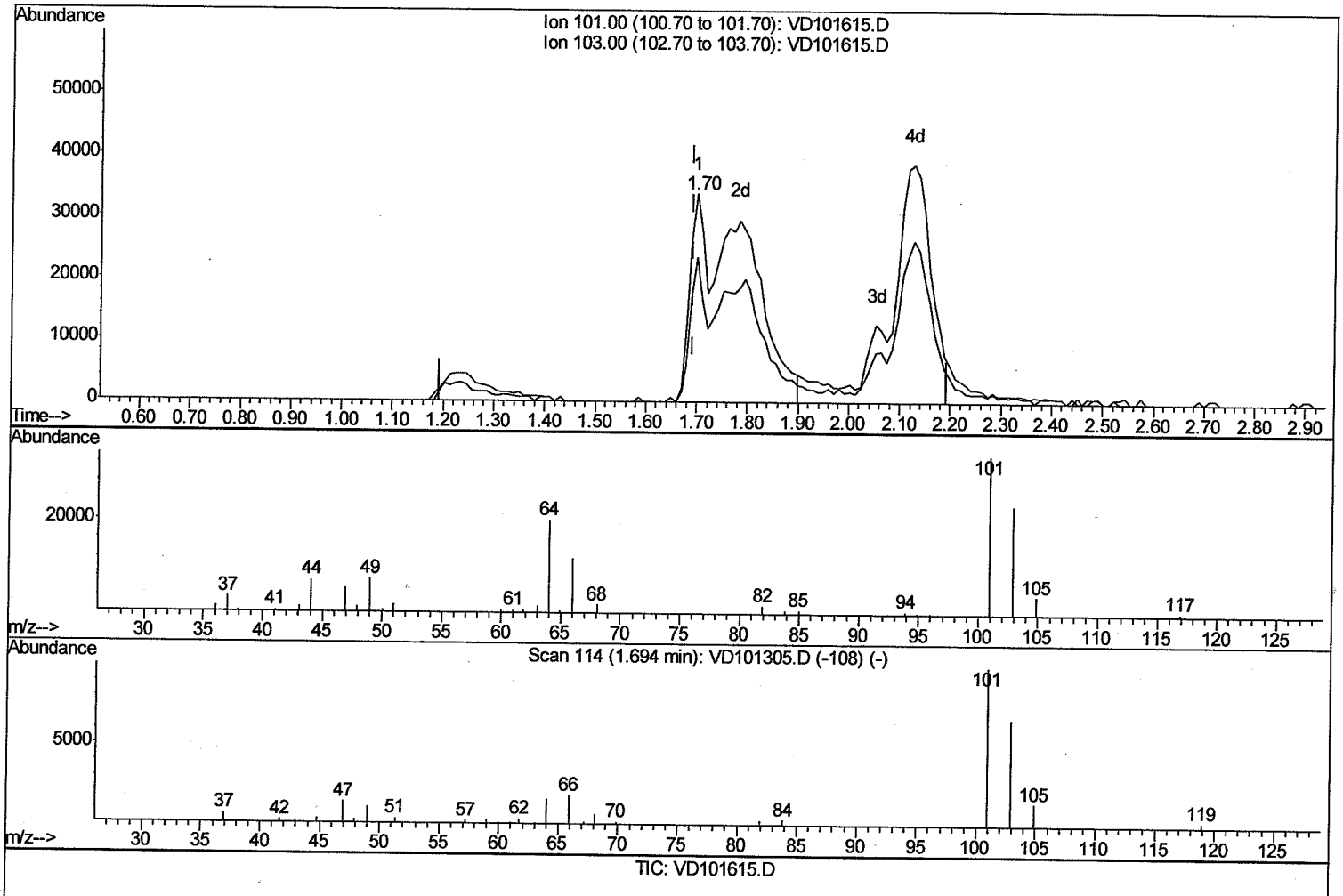
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 07:57:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101615.D

(7) Trichlorofluoromethane (T)

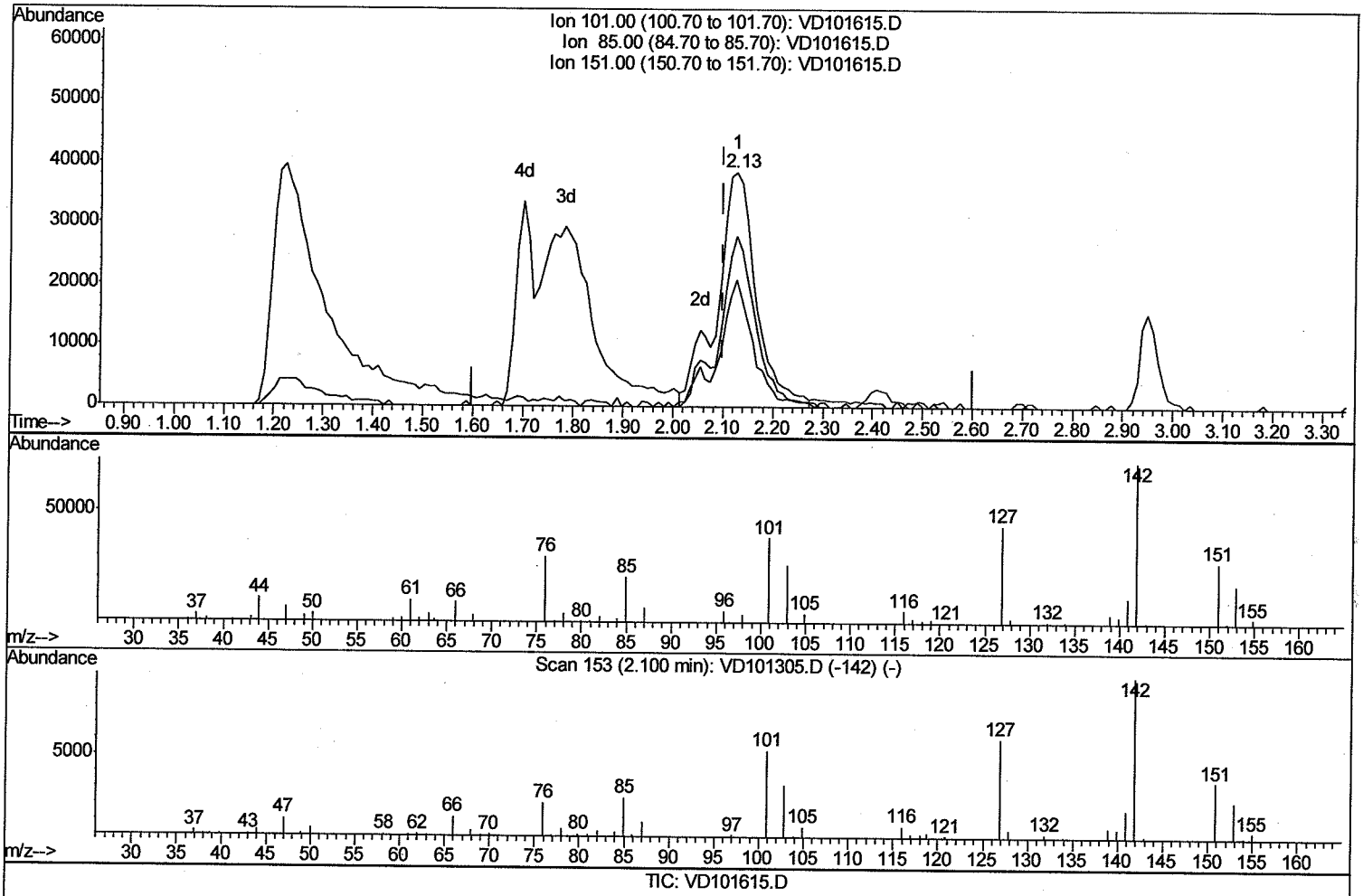
1.701min (+0.008) 67.62ug/l m

response 265839

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	69.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 07:57:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(8) 1,1,2-Trichlorotrifluoroethane (T)

2.127min (+0.027) 55.84ug/l m

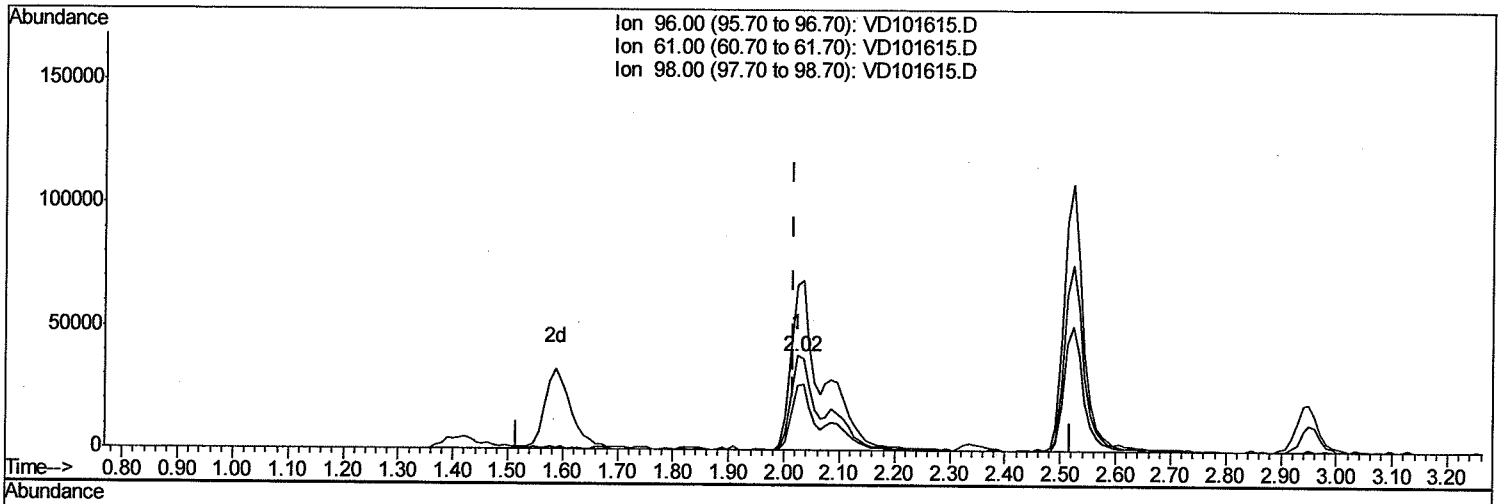
response 213598

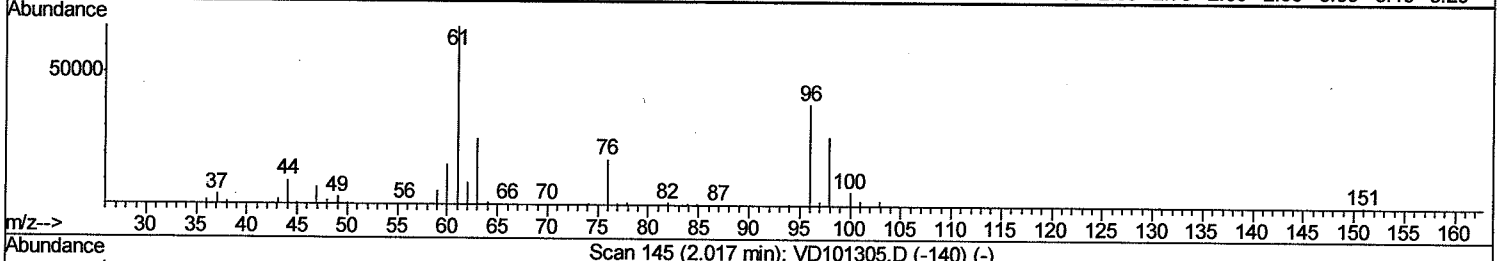
Ion	Exp%	Act%
101.00	100	100
85.00	47.30	40.97
151.00	65.80	57.74
0.00	0.00	0.00

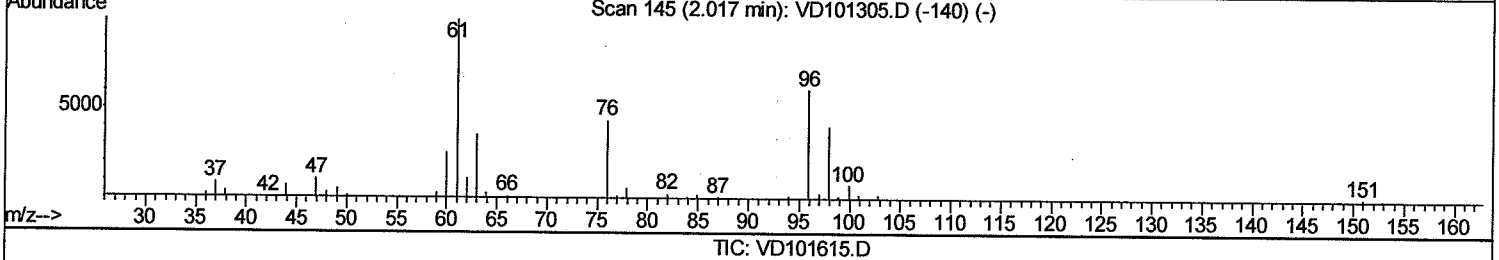
Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 07:57:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration







TIC: VD101615.D

(10) 1,1-Dichloroethene (CM)

2.023min (+0.006) 53.74ug/l m

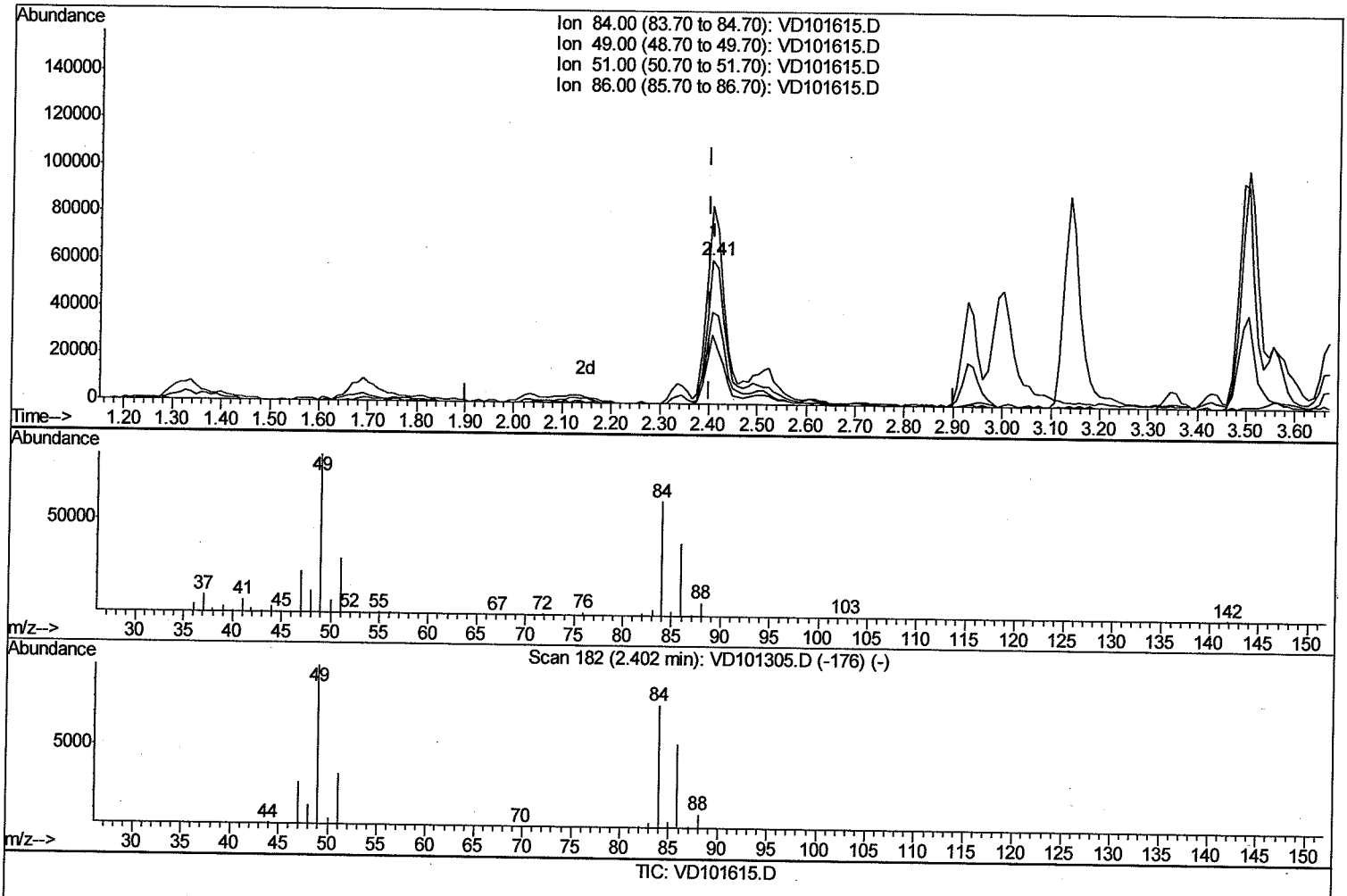
response 155254

Ion	Exp%	Act%
96.00	100	100
61.00	163.90	174.59
98.00	66.30	68.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 07:57:16 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101615.D

(18) Methylene Chloride (T)

2.408min (+0.006) 54.96ug/l m

response 196347

Ion	Exp%	Act%
84.00	100	100
49.00	130.50	137.77
51.00	42.80	47.85
86.00	67.60	63.69

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 18 15:44:58 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.10	168	466434	50.00	ug/l		0.01
30) 1,4-Difluorobenzene	4.57	114	826848	50.00	ug/l		0.02
55) Chlorobenzene-d5	7.63	117	751772	50.00	ug/l		0.00
64) 1,4-Dichlorobenzene-d4	9.83	152	369728	50.00	ug/l		0.02
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.14	65	410090	51.91	ug/l		0.01
Spiked Amount 50.000			Recovery = 103.82%				
31) Dibromofluoromethane	3.70	113	329968	48.95	ug/l		0.00
Spiked Amount 50.000			Recovery = 97.90%				
41) Toluene-d8	5.91	98	941018	49.62	ug/l		0.02
Spiked Amount 50.000			Recovery = 99.24%				
54) 4-Bromofluorobenzene	8.84	95	396325	48.97	ug/l		0.02
Spiked Amount 50.000			Recovery = 97.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.22	85	284324	79.03	ug/l		95
3) Chloromethane	1.32	50	247672	81.33	ug/l		99
4) Vinyl Chloride	1.41	62	216111	68.60	ug/l		91
5) Bromomethane	1.59	94	119480	79.84	ug/l		94
6) Chloroethane	1.69	64	102328	92.47	ug/l	#	79
7) Trichlorofluoromethane	1.70	101	265839m	67.62	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.13	101	213598m	55.84	ug/l		
9) Tert butyl alcohol	2.71	59	125008	267.71	ug/l		100
10) 1,1-Dichloroethene	2.02	96	155254m	53.74	ug/l		
11) Iodomethane	2.13	142	189571	30.95	ug/l		100
12) Acrolein	2.26	56	109193	265.33	ug/l	#	35
13) Acrylonitrile	2.93	53	262425	269.05	ug/l		95
14) Acetone	2.46	43	251083	251.41	ug/l		99
15) Carbon Disulfide	2.05	76	448960	65.56	ug/l		99
16) Methyl Acetate	2.54	43	214914	45.18	ug/l		95
17) Methyl tert-butyl Ether	2.62	73	520332	53.88	ug/l		99
18) Methylene Chloride	2.41	84	196347m	54.96	ug/l		
19) trans-1,2-Dichloroethene	2.52	96	187506	53.77	ug/l		91
20) Vinyl Acetate	3.14	43	2241375	427.95	ug/l		99
21) 1,1-Dichloroethane	2.95	63	341672	54.96	ug/l		99
22) 2-Butanone	3.82	43	832987	257.89	ug/l		98
23) 2,2-Dichloropropane	3.43	77	238810	46.68	ug/l		99
24) cis-1,2-Dichloroethene	3.35	96	265769	56.91	ug/l		96
25) Bromochloromethane	3.49	49	213271	55.25	ug/l	#	5
26) Chloroform	3.56	83	487723	58.00	ug/l		99
27) Cyclohexane	3.50	56	299489	50.79	ug/l		96
28) 1,1,1-Trichloroethane	3.72	97	352957	52.97	ug/l		96
32) 1,1-Dichloropropene	3.82	75	337936	52.57	ug/l		99
33) Carbon Tetrachloride	3.67	117	368537	52.30	ug/l		95
34) Methylcyclohexane	4.52	83	343299	62.68	ug/l		98
35) Benzene	4.02	78	783442	54.21	ug/l	✓	100
36) 1,2-Dichloroethane	4.19	62	377050	50.88	ug/l		99
37) Trichloroethene	4.53	130	250024	49.02	ug/l		98
38) 1,2-Dichloropropane	5.00	63	235891	52.58	ug/l		97

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 18 15:44:58 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

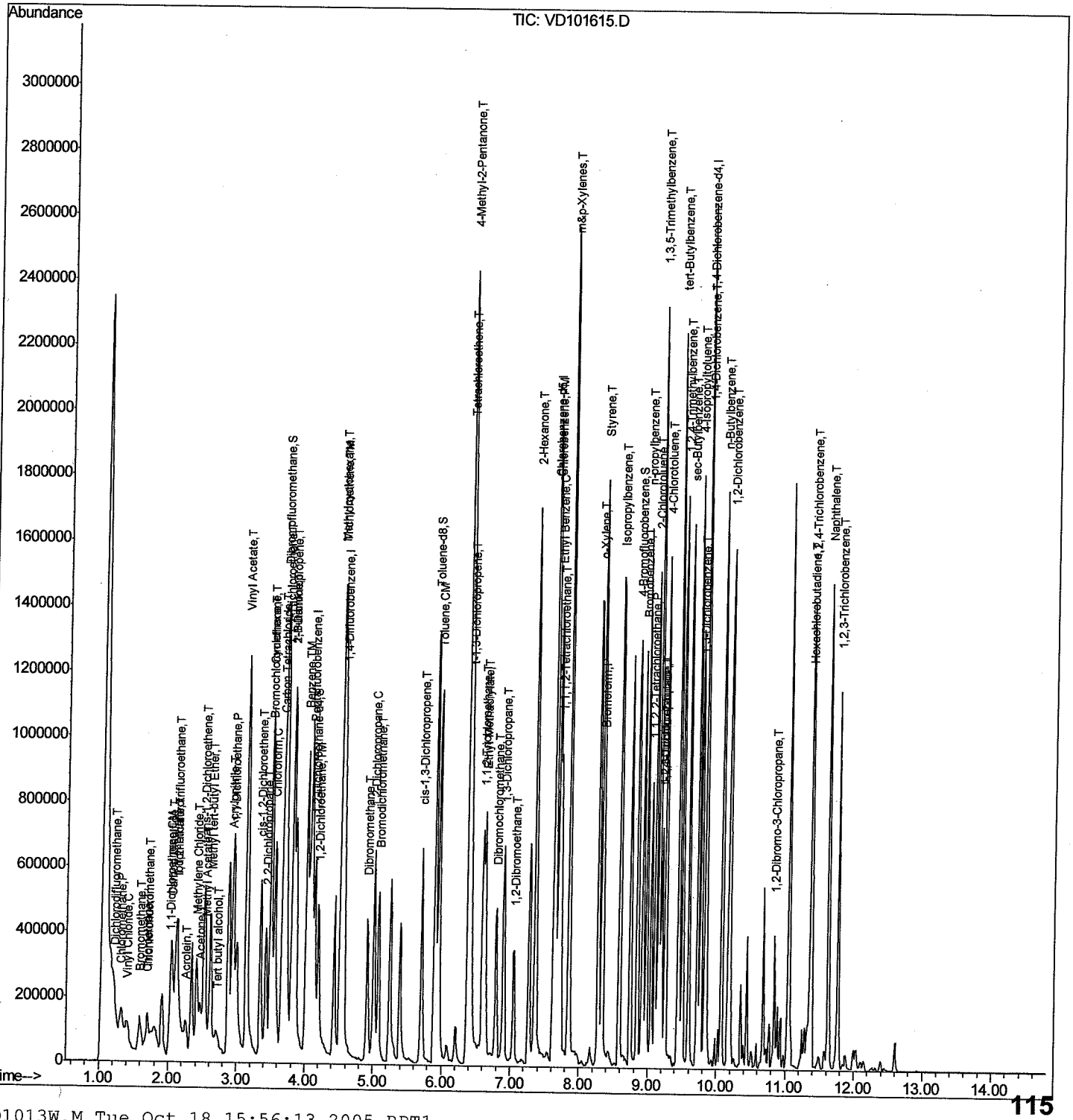
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.91	93	192930	51.30 ug/l	99
40) Bromodichloromethane	5.08	83	322264	54.35 ug/l	98
42) 4-Methyl-2-Pentanone	6.39	43	1596296	255.65 ug/l	99
43) t-1,4-Dichloro-2-butene	9.20	53	155438	50.81 ug/l	91
44) Toluene	5.96	92	499938	52.82 ug/l	98
45) t-1,3-Dichloropropene	6.42	75	356195	54.78 ug/l	97
46) cis-1,3-Dichloropropene	5.71	75	357796	53.83 ug/l	100
47) Ethyl Methacrylate	6.63	69	345904	52.13 ug/l	97
48) 1,1,2-Trichloroethane	6.59	97	227715	50.85 ug/l	94
49) 1,3-Dichloropropane	6.90	76	413178	54.24 ug/l	99
51) 2-Hexanone	7.35	43	1260897	243.73 ug/l	99
52) Dibromochloromethane	6.79	129	255802	54.01 ug/l	98
53) 1,2-Dibromoethane	7.05	107	275017	52.10 ug/l	100
56) Tetrachloroethene	6.38	164	199444	37.05 ug/l	97
57) Chlorobenzene	7.65	112	583086	51.51 ug/l	97
58) 1,1,1,2-Tetrachloroethane	7.72	131	220042	52.26 ug/l	99
59) Ethyl Benzene	7.69	106	287087	50.58 ug/l	100
60) m&p-Xylenes	7.86	106	663328	99.19 ug/l	91
61) o-Xylene	8.28	106	355347	51.37 ug/l	94
62) Styrene	8.34	104	603982	50.22 ug/l	97
63) Bromoform	8.35	173	158328	49.10 ug/l	98
65) Isopropylbenzene	8.59	105	885255	53.64 ug/l	99
66) 1,1,2,2-Tetrachloroethane	9.04	83	361032	57.78 ug/l	97
67) 1,2,3-Trichloropropane	9.20	75	135076	54.87 ug/l #	34
68) Bromobenzene	8.93	156	250022	54.31 ug/l	97
69) n-propylbenzene	8.97	91	1106761	57.46 ug/l	97
70) 2-Chlorotoluene	9.10	91	655043	54.46 ug/l	97
71) 1,3,5-Trimethylbenzene	9.16	105	728701	52.75 ug/l	100
72) 4-Chlorotoluene	9.25	91	692805	55.46 ug/l	99
73) tert-Butylbenzene	9.44	119	717036	60.53 ug/l	93
74) 1,2,4-Trimethylbenzene	9.50	105	736355	53.38 ug/l	99
75) sec-Butylbenzene	9.59	105	893064	53.26 ug/l	98
76) 4-Isopropyltoluene	9.72	119	749371	55.00 ug/l	98
77) 1,3-Dichlorobenzene	9.77	146	423344	52.05 ug/l	99
78) 1,4-Dichlorobenzene	9.84	146	424761	51.20 ug/l	99
79) n-Butylbenzene	10.07	91	746707	58.75 ug/l	97
80) 1,2-Dichlorobenzene	10.19	146	418697	53.37 ug/l	99
81) 1,2-Dibromo-3-Chloropropan	10.84	75	76642	59.84 ug/l	97
82) 1,2,4-Trichlorobenzene	11.37	180	246736	51.87 ug/l	93
83) Hexachlorobutadiene	11.36	225	77206	53.37 ug/l	97
84) Naphthalene	11.62	128	831142	56.31 ug/l	100
85) 1,2,3-Trichlorobenzene	11.77	180	240376	52.52 ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101615.D
Acq On : 16 Oct 2005 7:50 pm
Operator : sam
Sample : T5189-02MS
Misc : 5mL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 18 15:44:58 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**10/12/2005**
Project:	**714 Broadway, city of Schenectady**	**Date Received:**	**10/13/2005**
Client Sample ID:	**MW-1MSD**	**SDG No.:**	**T5189**
Lab Sample ID:	**T5189-03MSD**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101616.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	49		5.0	0.28	ug/L
71-43-2	Benzene	56		5.0	0.39	ug/L
108-88-3	Toluene	55		5.0	0.36	ug/L
100-41-4	Ethyl Benzene	53		5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	100		5.0	1.2	ug/L
95-47-6	o-Xylene	52		5.0	0.46	ug/L
98-82-8	Isopropylbenzene	55		5.0	0.44	ug/L
103-65-1	N-propylbenzene	57		5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	54		5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	62		5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	55		5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	54		5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	59		5.0	0.49	ug/L
104-51-8	n-Butylbenzene	57		5.0	0.49	ug/L
91-20-3	Naphthalene	63		5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2	108 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.3	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	50.91	102 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.4	99 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	515938	4.09			
540-36-3	1,4-Difluorobenzene	882006	4.56			
3114-55-4	Chlorobenzene-d5	810567	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	396403	9.83			

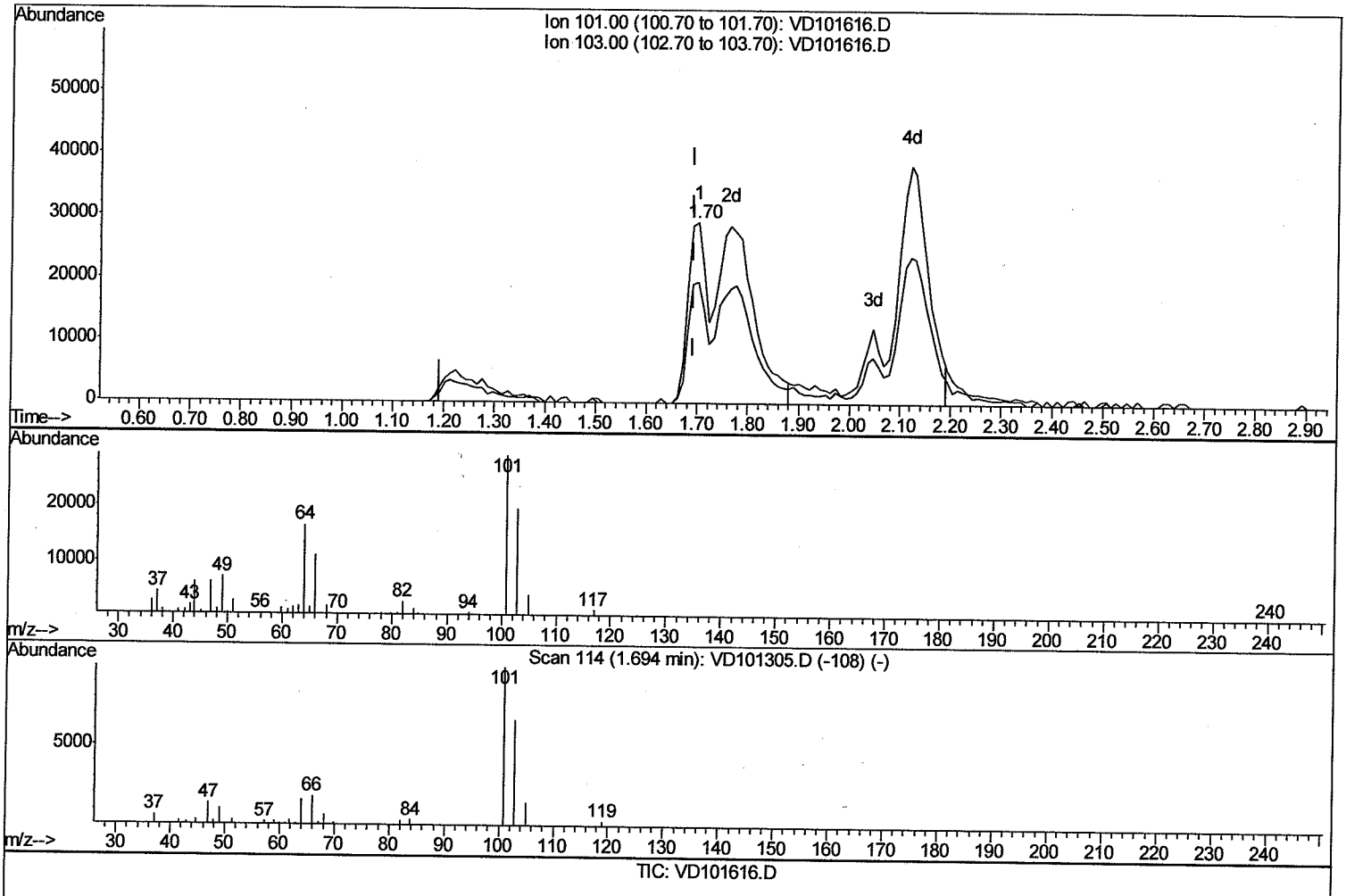
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 08:01:06 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(7) Trichlorofluoromethane (T)

1.702min (+0.009) 49.76ug/l m

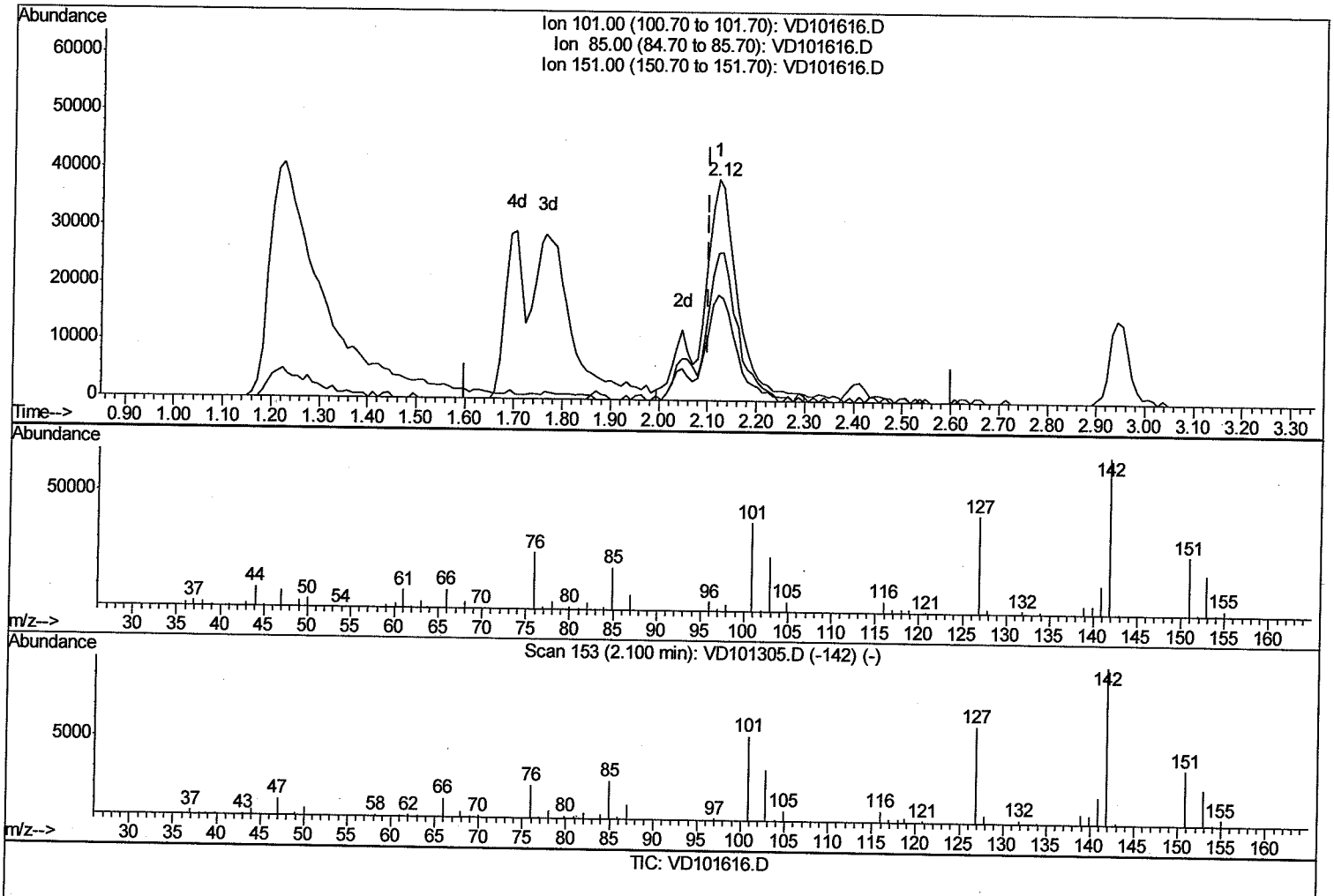
response 216384

Ion	Exp%	Act%
101.00	100	100
103.00	66.80	67.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 08:01:06 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(8) 1,1,2-Trichlorotrifluoroethane (T)

2.120min (+0.020) 46.98ug/l m

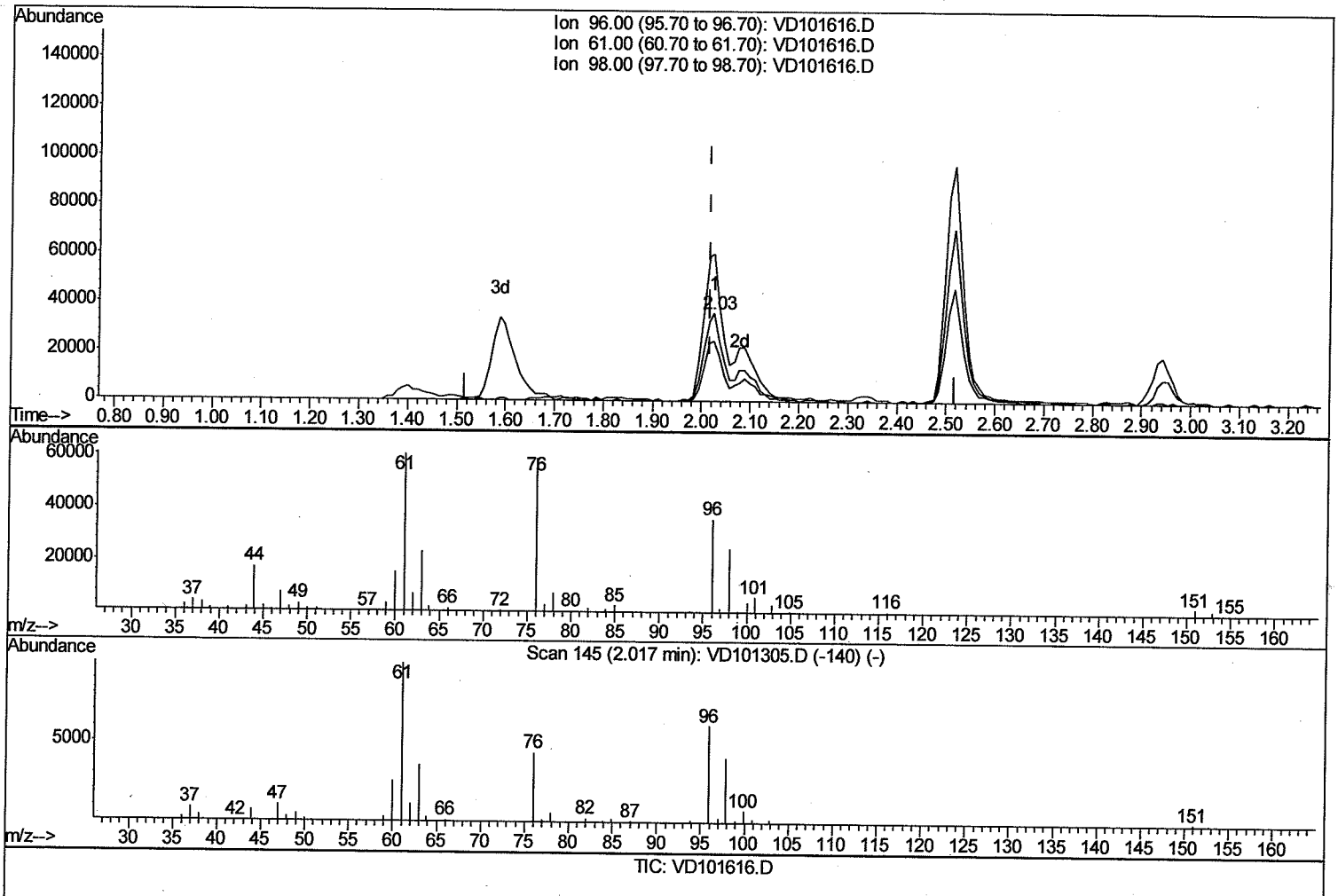
response 198779

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	40.90
151.00	65.80	53.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 08:01:06 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



TIC: VD101616.D

(10) 1,1-Dichloroethene (CM)

2.026min (+0.009) 43.08ug/l m

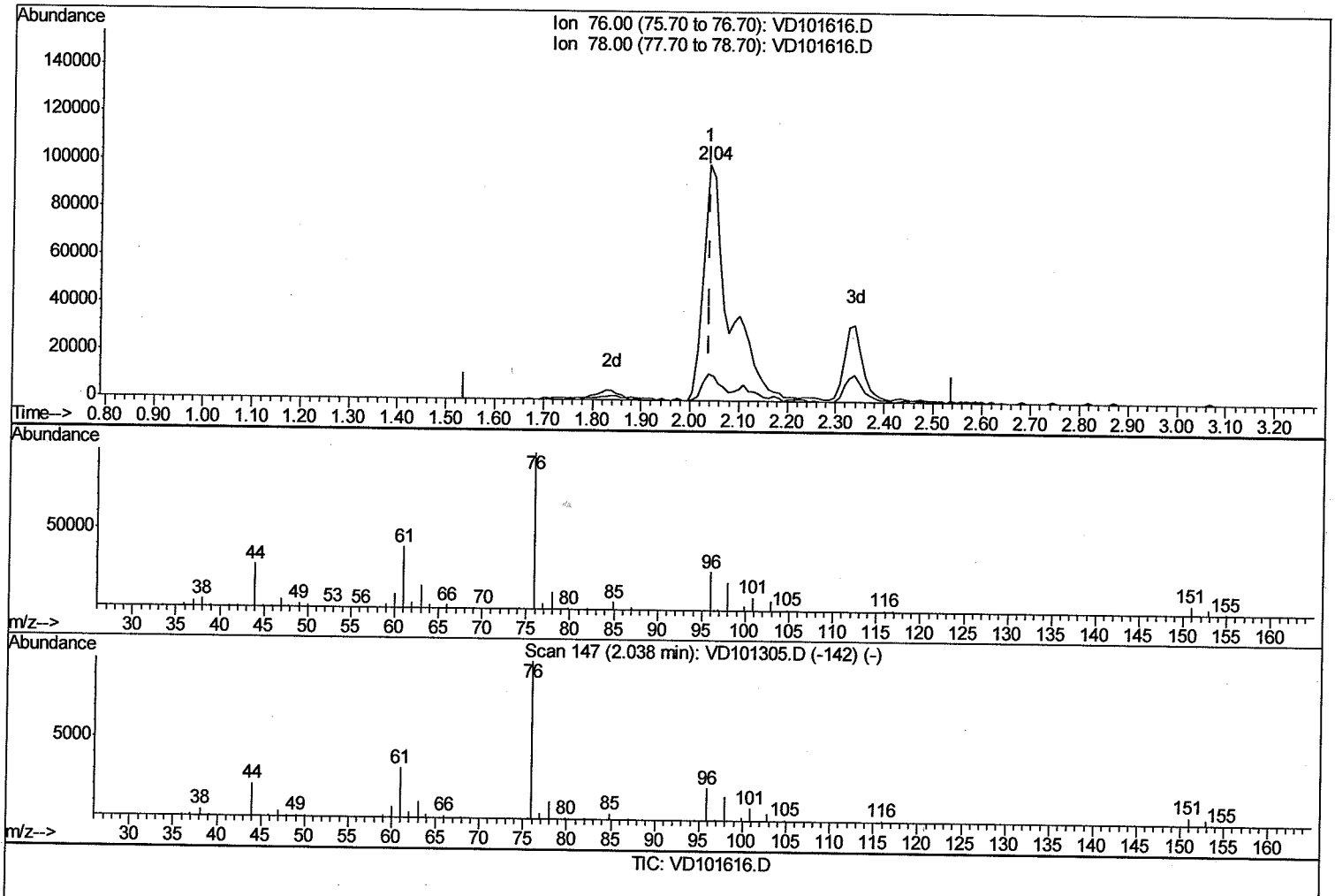
response 137664

Ion	Exp%	Act%
96.00	100	100
61.00	163.90	167.61
98.00	66.30	68.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 08:01:06 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(15) Carbon Disulfide (T)

2.037min (-0.002) 48.30ug/l m

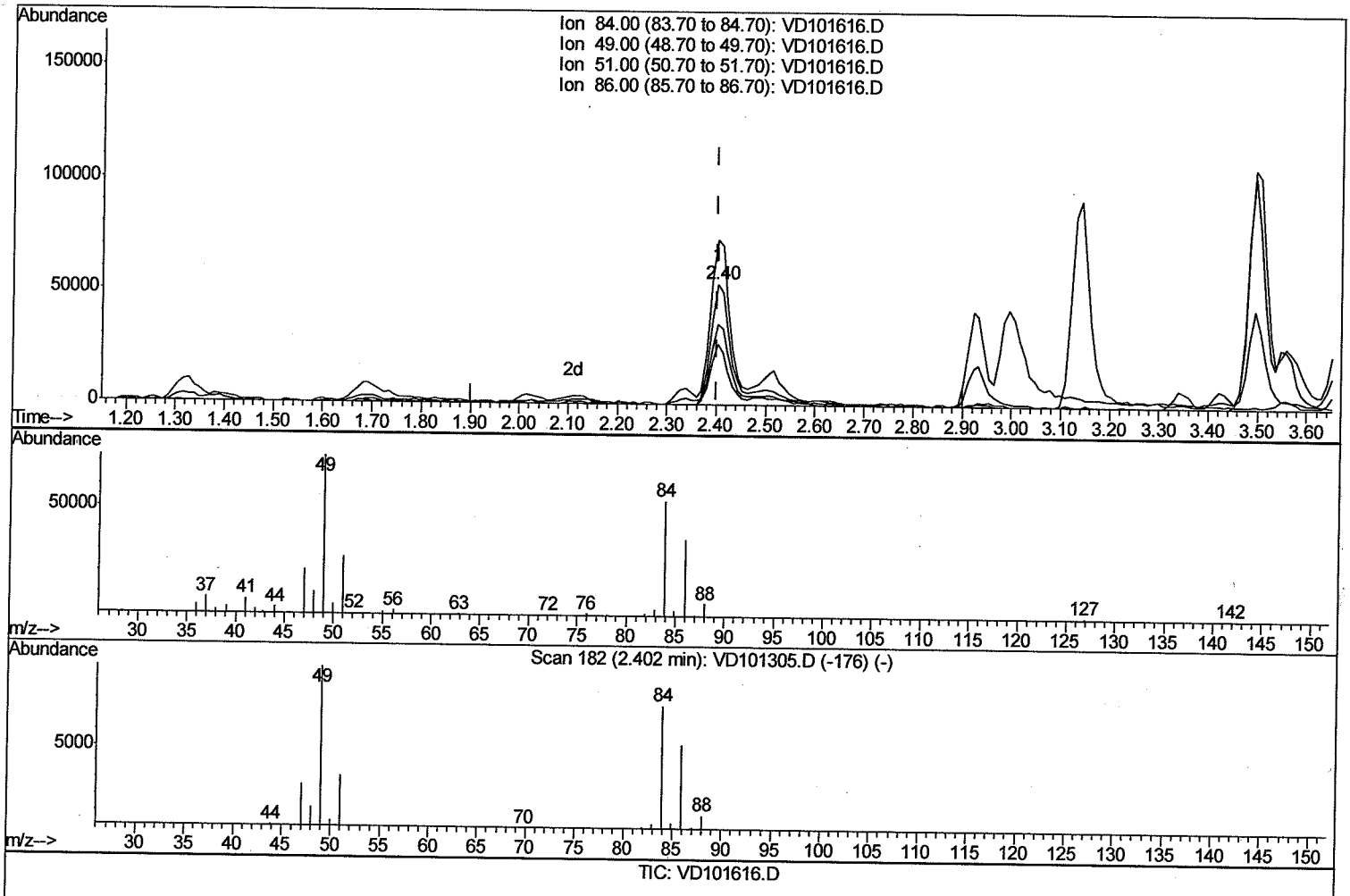
response 365868

Ion	Exp%	Act%
76.00	100	100
78.00	11.50	11.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 08:01:06 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



(18) Methylene Chloride (T)

2.402min (-0.000) 46.70ug/l m

response 184519

Ion	Exp%	Act%
84.00	100	100
49.00	130.50	136.65
51.00	42.80	50.51
86.00	67.60	66.86

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 18 15:47:26 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.09	168	515938	50.00 ug/l	0.00
30) 1,4-Difluorobenzene	4.56	114	882006	50.00 ug/l	0.02
55) Chlorobenzene-d5	7.63	117	810567	50.00 ug/l	0.01
64) 1,4-Dichlorobenzene-d4	9.83	152	396403	50.00 ug/l	0.00
System Monitoring Compounds					
29) 1,2-Dichloroethane-d4	4.13	65	473600	54.20 ug/l	0.00
Spiked Amount 50.000			Recovery =	108.40%	
31) Dibromofluoromethane	3.70	113	354458	49.30 ug/l	0.00
Spiked Amount 50.000			Recovery =	98.60%	
41) Toluene-d8	5.90	98	1029885	50.91 ug/l	0.00
Spiked Amount 50.000			Recovery =	101.82%	
54) 4-Bromofluorobenzene	8.84	95	426519	49.40 ug/l	0.01
Spiked Amount 50.000			Recovery =	98.80%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.22	85	318596	80.06 ug/l	99
3) Chloromethane	1.32	50	254075	75.43 ug/l	95
4) Vinyl Chloride	1.40	62	232690	66.77 ug/l	92
5) Bromomethane	1.59	94	123279	74.48 ug/l	95
6) Chloroethane	1.69	64	81035	66.20 ug/l #	70
7) Trichlorofluoromethane	1.70	101	216384m	49.76 ug/l	
8) 1,1,2-Trichlorotrifluoroet	2.12	101	198779m	46.98 ug/l	
9) Tert butyl alcohol	2.72	59	125590	243.15 ug/l	100
10) 1,1-Dichloroethene	2.03	96	137664m	43.08 ug/l	
11) Iodomethane	2.12	142	185417	27.37 ug/l	96
12) Acrolein	2.26	56	111508	244.96 ug/l #	39
13) Acrylonitrile	2.92	53	281896	261.28 ug/l	97
14) Acetone	2.47	43	233105	211.01 ug/l	97
15) Carbon Disulfide	2.04	76	365868m	48.30 ug/l	
16) Methyl Acetate	2.54	43	227506	43.24 ug/l	94
17) Methyl tert-butyl Ether	2.61	73	519647	48.64 ug/l	100
18) Methylene Chloride	2.40	84	184519m	46.70 ug/l	
19) trans-1,2-Dichloroethene	2.52	96	182688	47.36 ug/l	96
20) Vinyl Acetate	3.14	43	2497625	431.12 ug/l	99
21) 1,1-Dichloroethane	2.94	63	345448	50.24 ug/l	99
22) 2-Butanone	3.82	43	934751	261.63 ug/l	100
23) 2,2-Dichloropropane	3.43	77	289819	51.21 ug/l	99
24) cis-1,2-Dichloroethene	3.35	96	292045	56.54 ug/l	98
25) Bromochloromethane	3.49	49	229822	53.83 ug/l	98
26) Chloroform	3.56	83	526453	56.60 ug/l	97
27) Cyclohexane	3.49	56	326566	50.07 ug/l	94
28) 1,1,1-Trichloroethane	3.71	97	394129	53.47 ug/l	98
32) 1,1-Dichloropropene	3.82	75	374828	54.66 ug/l	99
33) Carbon Tetrachloride	3.66	117	406733	54.11 ug/l	95
34) Methylcyclohexane	4.52	83	374091	64.04 ug/l	93
35) Benzene	4.02	78	859889	55.78 ug/l	100
36) 1,2-Dichloroethane	4.20	62	406441	51.41 ug/l	98
37) Trichloroethene	4.53	130	273017	50.19 ug/l	99
38) 1,2-Dichloropropane	5.01	63	259388	54.20 ug/l	98

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 18 15:47:26 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

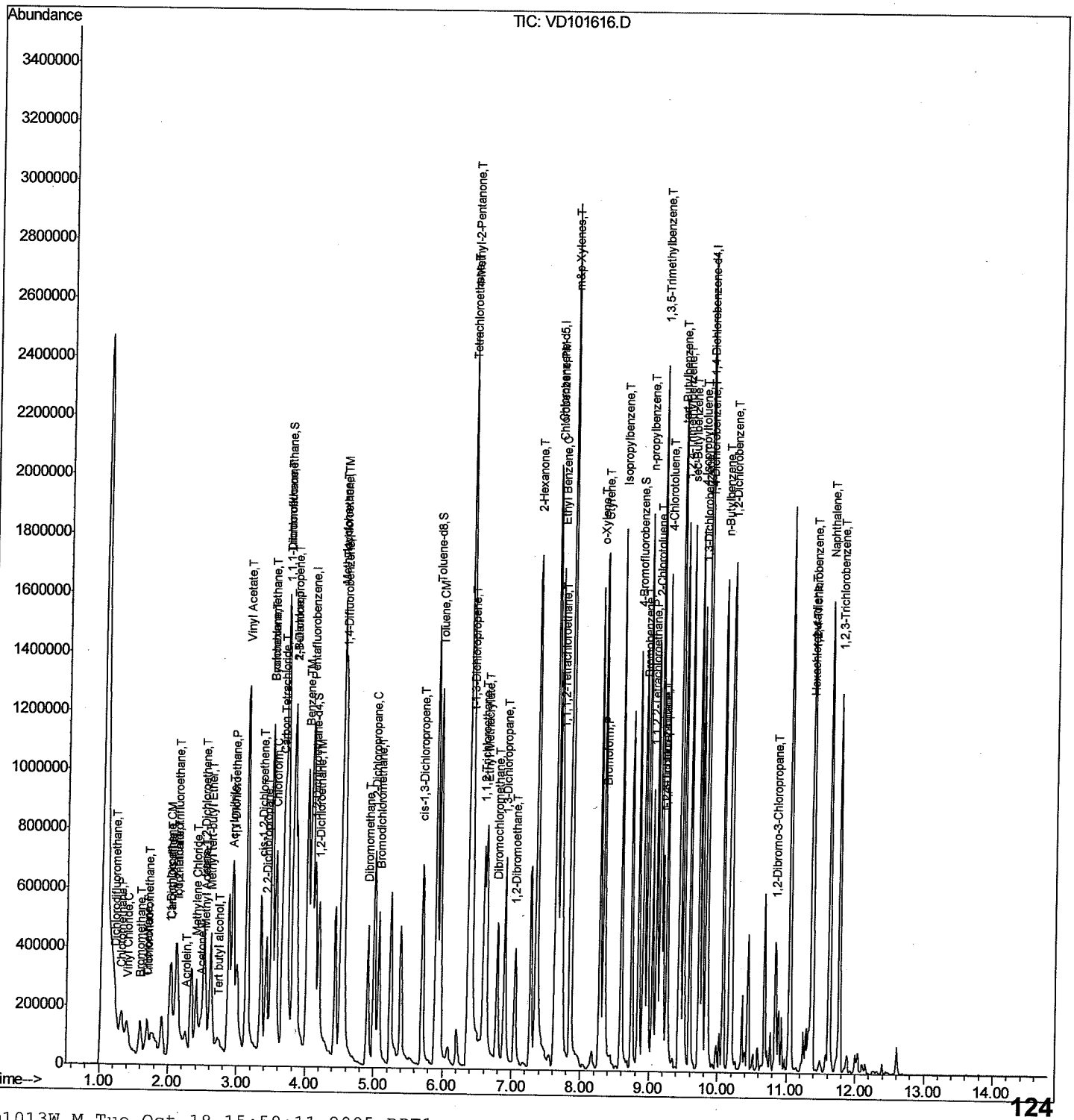
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
39) Dibromomethane	4.91	93	210238	52.41 ug/l	98
40) Bromodichloromethane	5.08	83	361873	57.21 ug/l	95
42) 4-Methyl-2-Pentanone	6.39	43	1864290	279.89 ug/l	99
43) t-1,4-Dichloro-2-butene	9.20	53	171447	52.54 ug/l	92
44) Toluene	5.95	92	559379	55.40 ug/l	99
45) t-1,3-Dichloropropene	6.42	75	404278	58.29 ug/l	97
46) cis-1,3-Dichloropropene	5.70	75	408809	57.65 ug/l	100
47) Ethyl Methacrylate	6.63	69	384065	54.26 ug/l	98
48) 1,1,2-Trichloroethane	6.59	97	257694	53.94 ug/l	98
49) 1,3-Dichloropropane	6.90	76	451464	55.56 ug/l	99
51) 2-Hexanone	7.36	43	1540278	279.12 ug/l	99
52) Dibromochloromethane	6.79	129	288562	57.12 ug/l	99
53) 1,2-Dibromoethane	7.05	107	315607	56.05 ug/l	99
56) Tetrachloroethene	6.38	164	218282	37.61 ug/l	97
57) Chlorobenzene	7.64	112	643199	52.70 ug/l	97
58) 1,1,1,2-Tetrachloroethane	7.72	131	247561	54.53 ug/l	98
59) Ethyl Benzene	7.69	106	321947	52.61 ug/l	100
60) m&p-Xylenes	7.85	106	737414	102.27 ug/l	93
61) o-Xylene	8.27	106	389490	52.23 ug/l	97
62) Styrene	8.33	104	656333	50.61 ug/l	96
63) Bromoform	8.35	173	177810	51.14 ug/l	100
65) Isopropylbenzene	8.59	105	965947	54.59 ug/l	98
66) 1,1,2,2-Tetrachloroethane	9.05	83	408472	60.97 ug/l	100
67) 1,2,3-Trichloropropane	9.20	75	152998	57.97 ug/l #	34
68) Bromobenzene	8.93	156	271698	55.04 ug/l	95
69) n-propylbenzene	8.97	91	1181268	57.20 ug/l	99
70) 2-Chlorotoluene	9.10	91	726589	56.34 ug/l	97
71) 1,3,5-Trimethylbenzene	9.16	105	793281	53.56 ug/l	100
72) 4-Chlorotoluene	9.26	91	779062	58.16 ug/l	97
73) tert-Butylbenzene	9.43	119	793134	62.44 ug/l	94
74) 1,2,4-Trimethylbenzene	9.49	105	813730	55.02 ug/l	100
75) sec-Butylbenzene	9.59	105	973749	54.16 ug/l	98
76) 4-Isopropyltoluene	9.72	119	855753	58.58 ug/l	98
77) 1,3-Dichlorobenzene	9.76	146	474584	54.42 ug/l	97
78) 1,4-Dichlorobenzene	9.85	146	487330	54.78 ug/l	99
79) n-Butylbenzene	10.08	91	781393	57.34 ug/l	97
80) 1,2-Dichlorobenzene	10.19	146	449565	53.45 ug/l	99
81) 1,2-Dibromo-3-Chloropropan	10.84	75	92995	67.73 ug/l	97
82) 1,2,4-Trichlorobenzene	11.38	180	287146	56.31 ug/l	94
83) Hexachlorobutadiene	11.36	225	85344	55.03 ug/l	97
84) Naphthalene	11.62	128	991739	62.67 ug/l	100
85) 1,2,3-Trichlorobenzene	11.76	180	270356	55.09 ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\Msvoa_D\DATA\VD101605\
Data File : VD101616.D
Acq On : 16 Oct 2005 8:14 pm
Operator : sam
Sample : T5189-03MSD
Misc : 5mL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 18 15:47:26 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**714 Broadway, city of Schenectady**	**Date Received:**	
Client Sample ID:	**VLCS01**	**SDG No.:**	**T5189**
Lab Sample ID:	**BSD1016W1**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101611.D	1	10/16/2005	VD101305

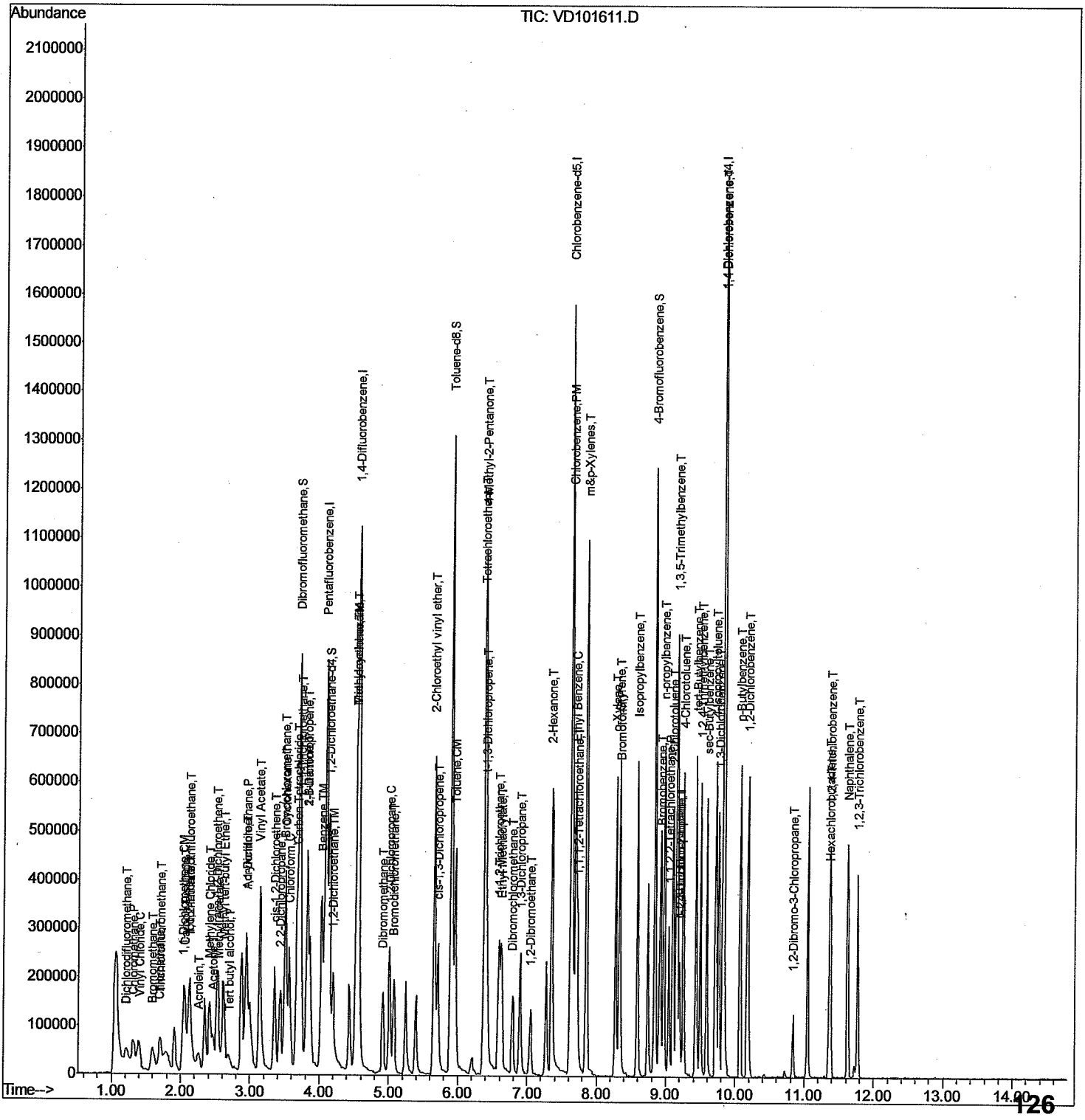
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	22		5.0	0.28	ug/L
71-43-2	Benzene	22		5.0	0.39	ug/L
108-88-3	Toluene	21		5.0	0.36	ug/L
100-41-4	Ethyl Benzene	20		5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	42		5.0	1.2	ug/L
95-47-6	o-Xylene	21		5.0	0.46	ug/L
98-82-8	Isopropylbenzene	21		5.0	0.44	ug/L
103-65-1	N-propylbenzene	23		5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	21		5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	21		5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	21		5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	21		5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	21		5.0	0.49	ug/L
104-51-8	n-Butylbenzene	22		5.0	0.49	ug/L
91-20-3	Naphthalene	21		5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.53	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.76	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.27	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.42	95 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	441734	4.09			
540-36-3	1,4-Difluorobenzene	781560	4.56			
3114-55-4	Chlorobenzene-d5	703776	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	349475	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101611.D
Acq On : 16 Oct 2005 6:11 pm
Operator : sam
Sample : BSD1016W1
Misc : 5mL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 18 14:40:54 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101611.D
Acq On : 16 Oct 2005 6:11 pm
Operator : sam
Sample : BSD1016W1
Misc : 5mL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 18 14:40:54 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.09	168	441734	50.00	ug/l		0.00
30) 1,4-Difluorobenzene	4.56	114	781560	50.00	ug/l		0.02
55) Chlorobenzene-d5	7.63	117	703776	50.00	ug/l		0.01
64) 1,4-Dichlorobenzene-d4	9.82	152	349475	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	4.14	65	400506	53.53	ug/l		0.02
Spiked Amount 50.000			Recovery = 107.06%				
31) Dibromofluoromethane	3.71	113	317020	49.76	ug/l		0.01
Spiked Amount 50.000			Recovery = 99.52%				
41) Toluene-d8	5.91	98	883076	49.27	ug/l		0.01
Spiked Amount 50.000			Recovery = 98.54%				
54) 4-Bromofluorobenzene	8.84	95	362777	47.42	ug/l		0.00
Spiked Amount 50.000			Recovery = 94.84%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	111355	32.68	ug/l		95
3) Chloromethane	1.31	50	106010	36.76	ug/l		96
4) Vinyl Chloride	1.40	62	88706	29.73	ug/l		98
5) Bromomethane	1.59	94	55291	39.02	ug/l		94
6) Chloroethane	1.69	64	53109	50.68	ug/l	#	73
7) Trichlorofluoromethane	1.71	101	122215m	32.82	ug/l		
8) 1,1,2-Trichlorotrifluoroet	2.13	101	73241	20.22	ug/l	#	88
9) Tert butyl alcohol	2.70	59	40769	92.19	ug/l		100
10) 1,1-Dichloroethene	2.03	96	67880	24.81	ug/l		98
11) Iodomethane	2.13	142	105130	18.13	ug/l		100
12) Acrolein	2.26	56	41095	105.44	ug/l	#	19
13) Acrylonitrile	2.94	53	112151	121.41	ug/l		95
14) Acetone	2.46	43	115444	122.06	ug/l		97
15) Carbon Disulfide	2.06	76	182636	28.16	ug/l		99
16) Methyl Acetate	2.54	43	84960	18.86	ug/l		98
17) Methyl tert-butyl Ether	2.62	73	202290	22.12	ug/l		98
18) Methylene Chloride	2.42	84	80612	23.83	ug/l		91
19) trans-1,2-Dichloroethene	2.52	96	78941	23.90	ug/l		94
20) Vinyl Acetate	3.14	43	670739	135.23	ug/l		98
21) 1,1-Dichloroethane	2.95	63	137776	23.40	ug/l		98
22) 2-Butanone	3.81	43	290235	94.88	ug/l		96
23) 2,2-Dichloropropane	3.44	77	99254	20.49	ug/l		100
24) cis-1,2-Dichloroethene	3.35	96	101689	22.99	ug/l		96
25) Bromochloromethane	3.50	49	85314	23.34	ug/l		90
26) Chloroform	3.56	83	180202	22.63	ug/l		99
27) Cyclohexane	3.51	56	141164	25.28	ug/l		94
28) 1,1,1-Trichloroethane	3.73	97	143452	22.73	ug/l		92
32) 1,1-Dichloropropene	3.82	75	137694	22.66	ug/l		97
33) Carbon Tetrachloride	3.68	117	139362	20.92	ug/l		98
34) Methylcyclohexane	4.53	83	140686	27.18	ug/l		95
35) Benzene	4.03	78	299849	21.95	ug/l		100
36) 1,2-Dichloroethane	4.20	62	149449	21.33	ug/l		100
37) Trichloroethene	4.53	130	98342	20.40	ug/l		93
38) 1,2-Dichloropropane	5.01	63	88242	20.81	ug/l		92

Quantitation Report (QT Reviewed)

Data Path : P:\T5189\VOA\8260VOCSTARS\
Data File : VD101611.D
Acq On : 16 Oct 2005 6:11 pm
Operator : sam
Sample : BSD1016W1
Misc : 5mL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 18 14:40:54 2005
Quant Method : P:\MSVOA_D\METHOD\82D1013W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 14 11:13:46 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
39) Dibromomethane	4.92	93	71551	20.13 ug/l		97
40) Bromodichloromethane	5.07	83	117371	20.94 ug/l		93
42) 4-Methyl-2-Pentanone	6.39	43	591882	100.28 ug/l		99
43) t-1,4-Dichloro-2-butene	9.20	53	55752	19.28 ug/l	#	82
44) Toluene	5.96	92	190040	21.24 ug/l		98
45) t-1,3-Dichloropropene	6.41	75	127531	20.75 ug/l		99
46) cis-1,3-Dichloropropene	5.71	75	129496	20.61 ug/l		100
47) Ethyl Methacrylate	6.62	69	127313	20.30 ug/l		98
48) 1,1,2-Trichloroethane	6.59	97	84179	19.89 ug/l		95
49) 1,3-Dichloropropane	6.90	76	146617	20.36 ug/l		98
50) 2-Chloroethyl vinyl ether	5.66	63	286260	97.46 ug/l		99
51) 2-Hexanone	7.35	43	470014	96.12 ug/l		100
52) Dibromochloromethane	6.79	129	88133	19.69 ug/l		98
53) 1,2-Dibromoethane	7.05	107	96911	19.42 ug/l		98
56) Tetrachloroethene	6.37	164	108136	21.46 ug/l		94
57) Chlorobenzene	7.64	112	215075	20.29 ug/l		100
58) 1,1,1,2-Tetrachloroethane	7.73	131	77613	19.69 ug/l		98
59) Ethyl Benzene	7.69	106	108894	20.49 ug/l		100
60) m&p-Xylenes	7.85	106	261464	41.77 ug/l		96
61) o-Xylene	8.28	106	134467	20.77 ug/l		94
62) Styrene	8.33	104	226889	20.15 ug/l		96
63) Bromoform	8.34	173	49427	16.37 ug/l		98
65) Isopropylbenzene	8.59	105	330343	21.18 ug/l		98
66) 1,1,2,2-Tetrachloroethane	9.04	83	122896	20.81 ug/l		97
67) 1,2,3-Trichloropropane	9.20	75	43676	18.77 ug/l	#	34
68) Bromobenzene	8.93	156	92755	21.32 ug/l		95
69) n-propylbenzene	8.97	91	415127	22.80 ug/l		99
70) 2-Chlorotoluene	9.11	91	246211	21.66 ug/l		96
71) 1,3,5-Trimethylbenzene	9.16	105	275628	21.11 ug/l		99
72) 4-Chlorotoluene	9.25	91	264379	22.39 ug/l		97
73) tert-Butylbenzene	9.44	119	235856	21.06 ug/l		95
74) 1,2,4-Trimethylbenzene	9.50	105	272755	20.92 ug/l		98
75) sec-Butylbenzene	9.59	105	336142	21.21 ug/l		100
76) 4-Isopropyltoluene	9.72	119	271741	21.10 ug/l		97
77) 1,3-Dichlorobenzene	9.76	146	158463	20.61 ug/l		98
78) 1,4-Dichlorobenzene	9.84	146	166789	21.27 ug/l		96
79) n-Butylbenzene	10.07	91	265575	22.11 ug/l		100
80) 1,2-Dichlorobenzene	10.19	146	149252	20.13 ug/l		98
81) 1,2-Dibromo-3-Chloropropan	10.84	75	24226	20.01 ug/l		97
82) 1,2,4-Trichlorobenzene	11.37	180	88426	19.67 ug/l		98
83) Hexachlorobutadiene	11.36	225	28976	21.19 ug/l		95
84) Naphthalene	11.62	128	287792	20.63 ug/l		100
85) 1,2,3-Trichlorobenzene	11.77	180	86450	19.98 ug/l		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

VOLATILES MISCELLANEOUS DATA

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5189 MATRIX: Water

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8260 and CLP.			✓
b.	System Performance Check Compounds for 8260 and CLP			✓

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
Vinyl chloride		

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

The Blank analysis did not indicate the presence of lab contamination.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

7. Surrogate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

   The MS recoveries met the requirements for all compounds except for tert-Butylbenzene and n-Butylbenzene. The MSD recoveries met the acceptable requirements except for tert-Butylbenzene and Naphthalene.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments:

10. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Kenya Dailey
QA REVIEW

11/2/05
Date

CHEMTECH

Lab Chronicle

Order ID: T5189
Client: C.T. Male & Associates
Contact: Liz Rovers

Order Date: 10/13/2005 12:36:19 PM
Project: 714 Broadway, city of Schenectady
Location C51

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5189-01	**MW-1**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/16/05	
T5189-04	**MW-2**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/18/05	
T5189-05	**MW-3**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/18/05	
T5189-06	**MW-4**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/19/05	
T5189-07	**EBGW01**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/19/05	
T5189-08	**FDGW01**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/19/05	
T5189-09	**TRIPBLANK**	**WATER**			**10/12/05**			**10/13/05**
			VOC-STARS	8260			10/16/05	

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 10/13/05 End Date: 10/13/05 Analyst [signature] Review By: [signature]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 1270	Initial Calibration Stds.	MSV1- 1296, 1269, 1287, 1292
CCC	MSV1-	Spike Std.	MSV1- 1296, 1269, 1287, 1292
Internal Stds.	MSV1- ~~1264~~ PB013 1282	HP Processing Method	82D1013W.M
Surrogate Stds.	MSV1- ~~12~~ 1282	ICV	1297, 1293

SR. #:	Sample ID	Data File Name	pH	Manual Integration Peak number/ Reason	Comment	RE, DL - Data file
1	BFBTune Check	VD101301			OK 10/13/05 1:38pm	
2	5PPBICC	2			OK	
3	1	3			x	
4	10	4			OK	
5	50	5			OK	
6	20	6			OK	
7	75	7			x	
8	100	8			OK	
9	50PPBICV	9			OK	
10	VBD1013W1	10			/	
11	VBD1013W2	11			OK	
12	VBD1013MY	12			OK	
13	T5134-06(10X)	13			4g/10mL 100uL->5mL	OK
14	BLK	14			/	
15	PBD1013W1	15			OK	
16	PBD1013W2	16			OK	
17	T5028-01	17	<2		OK	
18	↓ -07	18	<2		OK	
19	T5121-01	19	<2		OK	
20	↓ -02	20	<2		OK + trip pr 10x	

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 10/16/05 End Date: 10/16/05 Analyst [signature] Review By: [signature]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 1270	Initial Calibration Stds.	MSV1- N/A
CCC	MSV1- 1296, 1269, 1287, 1292	Spike Std.	MSV1- 1296, 1269, 1287, 1292
Internal Stds.	MSV1- 1282	HP Processing Method	82D1013W
Surrogate Stds.	MSV1- 1287	ICV	

SR. #:	Sample ID	Data File Name	pH	Manual Integration Peak number/ Reason	Comment	RE, DL - Data file
1	BFBTuneChk	V0101601.5% 1-14			OK 10/16/05 2:04pm	
2	20 PPb CCC	2			X	
3	50 PPb CCC	3			OK VC↑	
4	VBD1016W1	4			OK	
5	VBD1016W2	5			OK	
6	T5068-14	6	<2		OK	
7	↓ -15	7	<2		OK	
8	T5131-08	8	<2		OK	
9	↓ -09	9	<2		OK	
10	T5189-09	10	<2		OK	
11	BSD1016W1	11			OK Cu↑	
12	BSD1016W2	12			OK Cu↑	
13	Blk	13			-	
14	T5189-01	14	<2		OK	
15	↓ -02MS	15	<2		OK	
16	↓ -03MSD	16	<2		OK	
17	Blk	17			-	
18	T5068-01	18	<2		OK	
19	↓ -02	19	<2		OK	
20	↓ -03	20	<2		OK	

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 10/18/05 End Date: 10/18/05 Analyst Review By:

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 1270	Initial Calibration Stds.	MSV1-
CCC	MSV1- 1296, 1269, 1287, 1292	Spike Std.	MSV1- 1296, 1269, 1287, 1292
Internal Stds.	MSV1- 1282	HP Processing Method	52D101306.
Surrogate Stds.	MSV1- 1282	ICV	

SR. #:	Sample ID	Data File Name	pH	Manual Integration Peak number/ Reason	Comment	RE, DL - Data file
1	BFB Tune Check	VD101826			ok 10/18/05 8:43pm	
2	50ppbccc	27			X	
3	20ppbccc	28			ok	
4	VBD1018W2	29			ok	
5	VBD1018M1	30			ok	
6	TS043-01	31			ok	
7	↓ -03	32			ok	
8	TS189-04	33	c2		ok	
9	-05	34	c2		ok	
10	-06	35	c2		ok	
11	-07	36	c2		ok	
12	TS068-07(10x)	37	c2		ok	
13	-08(10x)	38	c2		ok tetraf	DL-VD101839
14	-08(100x)	39	c2		ok	
15	-09	40	c2		ok tetraf	DL-VD101841
16	↓ -09(5x)	41	c2		ok	
17	TS018-03 (5x)	42			ok	
18	TS189-08	43	c2		ok	
19	TS131-01	44	c2		ok trif	DL-VD101915
20	↓ -04	↓ 45	c2		ok trif	DL-VD101916

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

SHIPPING AND RECEIVING DOCUMENTATION

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5189

COC Number 054694

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T. Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway
PROJECT NO.: 05.5086 LOCATION: Schenectady, NY
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT BILLING INFORMATION

BILL TO: C.T. Male PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Standard DAYS *
HARD COPY: DAYS *
EDD: DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 8260 VOC STARS+MTBE
2 8270 SVOC STARS B/N

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1 and MS/MSD	GW	X		10/12/05	1014	9	A,E	E								Extra volumes for MS/MSD
2.	MW-2	GW	X			1133	3	X	X								
3.	MW-3	GW	X			1250	3	X	X								
4.	MW-4	GW	X			1400	3	X	X								
5.	EBGW01	DI water	X			1215	3	X	X								
6.	FDGW01	GW	X			1345	3	X	X								
7.	Trip Blank	Lab				—	2	X									
8.																	
9.																	
10.																	

PRESERVATIVES: ← Specify Preservatives — A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Megan Brady	10/12/05 1630	1. FedEx Airbill 706651105503
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. Fed-Ex	10-13-05 9:40	3. J. Dillon

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4 °C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Lab received
2 VIALS Broken
10/13/05

StorageLocation: C51
Sample: T5189-T5189-02-B
Cust Sample: MW-1-MS

StorageLocation: C51
Sample: T5189-T5189-08-B
Cust Sample: FDG01

900
☐ 4°C ☐ Other
C.T. Male & Associates
714 Broadway, city of Schenect
VOA STARS
Preservative: 1:1 HCl to pH < 2
HEMTECH (908) 789-8
Contact:
me:
MW-1 MS
Water ☐ Soil ☐ Other
e: ☐ HNO_3 ☐ H_2SO_4 ☐ HCL ☐ NaOH
Date: 10/12/05 Tim
Male & Associates
oadway, city of Schenectady
pH < 2
HEMTECH (908) 789-8900
nt: Contact:
ject Name:
nple I.D.: FDGW01
lysis:
rix: ☐ Water ☐ Soil ☐ Other
servative: ☐ HNO_3 ☐ H_2SO_4 ☐ HCL ☐ NaOH ☐ 4°C
pling Date: 10/12/05 1345 Time:
e: 1:1 HCl to

PLEASE FOLD THIS SHIPPING DOCUMENT IN HALF AND PLACE IT IN A WAYBILL POUCH AFFIXED TO YOUR SHIPMENT SO THAT THE BAR-CODE PORTION OF THE LABEL CAN BE READ AND SCANNED. ***WARNING: USE ONLY THE PRINTED ORIGINAL LABEL FOR SHIPPING. USING A PHOTOCOPY OF THIS LABEL FOR SHIPPING PURPOSES IS FRAUDULENT AND COULD RESULT IN ADDITIONAL BILLING CHARGES, ALONG WITHTHE CANCELLATION OF YOUR FEDEX ACCOUNT NUMBER.

From: Origin ID: DSVA (518) 786-7400
ANNA E BROBSTON
C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DR

LATHAM, NY 12110

FedEx Express

CLS011105/06/10

Ship Date: 12OCT05
Actual Wgt: 55.0 LB MAN
System#: 530710/CAFE2264
Account#: S 012200374

REF: 05.5086/ROVERS

Delivery Address Bar Code

SHIP TO: (908) 789-8900 BILL SENDER

SAMPLE RECEIVING
CHEMTECH
284 SHEFFIELD STREET

MOUNTAINSIDE, NJ 07092

PRIORITY OVERNIGHT

THU
Deliver By:
13OCT05

TRK# 7066 5110 5503 FORM 0201

EWR A1

07092 -NJ-US

Z3 KBCA

DL 10-13-05 9:40

CHEMTECH

284 Sheffield ST. Mountainside, NJ 07092
Tel: 908-789-8900

END OF ANALYTICAL RESULTS

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR SEMI-VOLATILE ORGANICS

PROJECT NAME: 714 Broadway, city of Schenectady

C.T. MALE & ASSOCIATES
50 CENTURY HILL DRIVE
PO BOX 727
LATHAM, NY 12110
5187867400

A FULL SERVICE ENVIRONMENTAL LABORATORY
EXPRESS . . . THE DIFFERENCE

CHEMTECH PROJECT NO. **T5189**
ATTENTION: **Liz Rovers**

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: 714 Broadway, city of Schen

OrderID: T5189 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
T5189-01	MW-1
T5189-02	MW-1MS
T5189-03	MW-1MSD
T5189-04	MW-2
T5189-05	MW-3
T5189-06	MW-4
T5189-07	EBGW01
T5189-08	FDGW01
T5189-09	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: _____ Name: Anupa Dubey

Date: 10/31/05 Title: QA Mgr

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: 714 Broadway, city of Schenectady
Project # N/A
Chemtech Project # T5189

A. Number of Samples and Date of Receipt:
9 Water samples were received on 10/13/05.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Stars List Semi Volatiles, and 8260 Stars List Volatiles. This data package contains results for Stars List Semi Volatiles.

C. Analytical Techniques:
The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Tuning criteria met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ Name: Krupa Dubey

Date: 11/2/05 Title: QA/QC

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

SEMI-VOLATILE

DATA

CHEMTECH

SEMI-VOLATILE QC DATA

Surrogate Summary
SW-846

SDG No.: T5189
Client: C.T. Male & Associates

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
PB08174B	SBLK01	Nitrobenzene-d5	200	124.17	62		35.00	114.00
		2-Fluorobiphenyl	200	104.6	52		43.00	116.00
		Terphenyl-d14	200	114.7	57		33.00	141.00
PB08174BS	SLCS01	Nitrobenzene-d5	200	125.53	63		35.00	114.00
		2-Fluorobiphenyl	200	121.79	61		43.00	116.00
		Terphenyl-d14	200	116.9	58		33.00	141.00
T5189-01	MW-1	Nitrobenzene-d5	200	124.93	62		35.00	114.00
		2-Fluorobiphenyl	200	111.14	56		43.00	116.00
		Terphenyl-d14	200	95.12	48		33.00	141.00
T5189-02MS	MW-1MS	Nitrobenzene-d5	200	133.59	67		35.00	114.00
		2-Fluorobiphenyl	200	127.32	64		43.00	116.00
		Terphenyl-d14	200	105.8	53		33.00	141.00
T5189-03MSD	MW-1MSD	Nitrobenzene-d5	200	117.21	59		35.00	114.00
		2-Fluorobiphenyl	200	112.8	56		43.00	116.00
		Terphenyl-d14	200	100.37	50		33.00	141.00
T5189-04	MW-2	Nitrobenzene-d5	200	93.86	47		35.00	114.00
		2-Fluorobiphenyl	200	87.17	44		43.00	116.00
		Terphenyl-d14	200	81.19	41		33.00	141.00
T5189-05	MW-3	Nitrobenzene-d5	200	111.04	56		35.00	114.00
		2-Fluorobiphenyl	200	99.25	50		43.00	116.00
		Terphenyl-d14	200	93.83	47		33.00	141.00
T5189-06	MW-4	Nitrobenzene-d5	200	139.64	70		35.00	114.00
		2-Fluorobiphenyl	200	122.08	61		43.00	116.00
		Terphenyl-d14	200	119.36	60		33.00	141.00
T5189-07	EBGW01	Nitrobenzene-d5	200	144.86	72		35.00	114.00
		2-Fluorobiphenyl	200	121.44	61		43.00	116.00
		Terphenyl-d14	200	125.77	63		33.00	141.00
T5189-08	FDGW01	Nitrobenzene-d5	200	134.85	67		35.00	114.00
		2-Fluorobiphenyl	200	113.98	57		43.00	116.00
		Terphenyl-d14	200	116.75	58		33.00	141.00

Chemtech Consulting Group

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: T5189

Client: C.T. Male & Associates

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: T5189-02MS	**Client Sample ID:**		**MW-1MS**							
Naphthalene	50	0	40	80				57	99	
Acenaphthene	50	0	39	78				56	104	
Fluorene	50	0	34	68				61	104	
Phenanthrene	50	0	36	72				60	110	
Anthracene	50	0	37	74				60	110	
Fluoranthene	50	0	36	72				60	110	
Pyrene	50	0	35	70				50	110	
Benzo(a)anthracene	50	0	35	70				60	105	
Chrysene	50	0	36	72				57	108	
Indeno(1,2,3-cd)pyrene	50	0	33	66				35	127	
Benzo(b)fluoranthene	50	0	35	70				49	116	
Benzo(k)fluoranthene	50	0	34	68				52	111	
Benzo(a)pyrene	50	0	33	66				58	102	
Dibenz(a,h)anthracene	50	0	33	66				53	127	
Benzo(g,h,i)perylene	50	0	33	66				42	121	
Lab Sample ID: T5189-03MSD	**Client Sample ID:**		**MW-1MSD**							
Naphthalene	50	0	36	72		11		57	99	50
Acenaphthene	50	0	35	70		11		56	104	50
Fluorene	50	0	32	64		6		61	104	50
Phenanthrene	50	0	39	78		8		60	110	50
Anthracene	50	0	38	76		3		60	110	50
Fluoranthene	50	0	40	80		11		60	110	50
Pyrene	50	0	33	66		6		50	110	50
Benzo(a)anthracene	50	0	33	66		6		60	105	50
Chrysene	50	0	35	70		3		57	108	50
Indeno(1,2,3-cd)pyrene	50	0	31	62		6		35	127	50
Benzo(b)fluoranthene	50	0	32	64		9		49	116	50
Benzo(k)fluoranthene	50	0	33	66		3		52	111	50
Benzo(a)pyrene	50	0	32	64		3		58	102	50
Dibenz(a,h)anthracene	50	0	31	62		6		53	127	50
Benzo(g,h,i)perylene	50	0	31	62		6		42	121	50

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: T5189

Client: C.T. Male & Associates

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB08174BS	Naphthalene	50	36	72			57	99	
	Acenaphthene	50	36	72			56	104	
	Fluorene	50	36	72			61	104	
	Phenanthrene	50	38	76			60	110	
	Anthracene	50	39	78			60	110	
	Fluoranthene	50	41	82			60	110	
	Pyrene	50	38	76			50	110	
	Benzo(a)anthracene	50	37	74			60	105	
	Chrysene	50	39	78			57	108	
	Indeno(1,2,3-cd)pyrene	50	36	72			35	127	
	Benzo(b)fluoranthene	50	38	76			49	116	
	Benzo(k)fluoranthene	50	35	70			52	111	
	Benzo(a)pyrene	50	36	72			58	102	
	Dibenz(a,h)anthracene	50	36	72			53	127	
	Benzo(g,h,i)perylene	50	36	72			42	121	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: BE026025.D Lab Sample ID: PB08174B

Instrument ID: BNAE Date Extracted: 10/14/2005

Matrix: (soil/water) WATER Date Analyzed: 10/16/2005

Level: (low/med) LOW Time Analyzed: 03:30

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SLCS01	PB08174BS	BE026026.D	10/16/2005
02	MW-1	T5189-01	BE026028.D	10/16/2005
03	MW-2	T5189-04	BE026029.D	10/16/2005
04	MW-3	T5189-05	BE026030.D	10/16/2005
05	MW-4	T5189-06	BE026031.D	10/16/2005
06	EBGW01	T5189-07	BE026032.D	10/16/2005
07	FDGW01	T5189-08	BE026033.D	10/16/2005
08	MW-1MS	T5189-02MS	BE026040.D	10/16/2005
09	MW-1MSD	T5189-03MSD	BE026041.D	10/16/2005

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: Be025896.d DFTPP Injection Date: 10/12/2005

Instrument ID: BNAE DFTPP Injection Time: 18:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	47.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	40.0 - 60.0% of mass 198	56.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	12.7
442	Greater than 40% of mass 198	83.5
443	17.0 - 23.0% of mass 442	16.7(20.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	80 ng BNA ICC	BE025897.D	10/12/200	20:26
02	SSTD160	160 ng BNA ICC	BE025898.D	10/12/200	20:51
03	SSTD020	20 ng BNA ICC	BE025899.D	10/12/200	21:15
04	SSTD120	120 ng BNA ICC	BE025900.D	10/12/200	21:38
05	SSTD050	50 ng BNA ICC	BE025901.D	10/12/200	22:05

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

Lab File ID: BE026015.D DFTPP Injection Date: 10/15/2005

Instrument ID: BNAE DFTPP Injection Time: 23:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.3
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	40.0 - 60.0% of mass 198	55.5
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	13.3
442	Greater than 40% of mass 198	91.3
443	17.0 - 23.0% of mass 442	18.0(19.8) 2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	80 ng BNA CCC	BE026016.D	10/15/2005	23:47
02	SBLK01	PB08174B	BE026025.D	10/16/2005	03:30
03	SLCS01	PB08174BS	BE026026.D	10/16/2005	03:53
04	MW-1	T5189-01	BE026028.D	10/16/2005	04:41
05	MW-2	T5189-04	BE026029.D	10/16/2005	05:05
06	MW-3	T5189-05	BE026030.D	10/16/2005	05:32
07	MW-4	T5189-06	BE026031.D	10/16/2005	05:56
08	EBGW01	T5189-07	BE026032.D	10/16/2005	06:20
09	FDGW01	T5189-08	BE026033.D	10/16/2005	06:44
10	MW-1MS	T5189-02MS	BE026040.D	10/16/2005	09:34
11	MW-1MSD	T5189-03MSD	BE026041.D	10/16/2005	09:58

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG NO.: T5189

EPA Sample No.: SSTD080 Date Analyzed: 10/15/2005

Lab File ID: BE026016.D Time Analyzed: 23:47

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 032 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	292352	3.65	1059436	4.43	605486	5.52
	UPPER LIMIT	584704	4.15	2118872	4.93	1210972	6.02
	LOWER LIMIT	146176	3.15	529718	3.93	302743	5.02
	EPA SAMPLE NO.						
01	SBLK01	293767	3.65	1001270	4.43	595981	5.52
02	SLCS01	272585	3.65	932880	4.43	555317	5.53
03	MW-1	263488	3.65	893933	4.43	536158	5.52
04	MW-2	275455	3.65	933550	4.42	556400	5.52
05	MW-3	267180	3.65	918717	4.43	544747	5.52
06	MW-4	245732	3.65	844097	4.42	501011	5.52
07	EBGW01	248848	3.65	847613	4.42	501492	5.52
08	FDGW01	270835	3.65	926350	4.43	555524	5.52
09	MW-1MS	263926	3.65	896662	4.43	541858	5.52
10	MW-1MSD	270669	3.65	924629	4.43	555115	5.52

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard are
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

EPA Sample No.: SSTD080 Date Analyzed: 10/15/2005

Lab File ID: BE026016.D Time Analyzed: 23:47

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 032 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	860152	6.49	781209	8.50	908895	10.25
	UPPER LIMIT	1720304	6.99	1562418	9.00	1817790	10.75
	LOWER LIMIT	430076	5.99	390605	8.00	454448	9.75
	EPA SAMPLE NO.						
01	SBLK01	862029	6.48	844868	8.42	981915	10.16
02	SLCS01	763028	6.48	733832	8.45	895495	10.19
03	MW-1	777658	6.48	753299	8.44	878361	10.18
04	MW-2	846632	6.48	792670	8.43	929266	10.16
05	MW-3	812852	6.48	760627	8.41	890690	10.14
06	MW-4	712464	6.47	706383	8.41	806660	10.14
07	EBGW01	726685	6.48	701006	8.44	808354	10.18
08	FDGW01	811175	6.48	768827	8.43	904083	10.17
09	MW-1MS	822396	6.49	732549	8.46	881190	10.19
10	MW-1MSD	734407	6.48	750386	8.44	893863	10.17

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard are
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

SEMI-VOLATILE SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-1	**SDG No.:**	T5189
Lab Sample ID:	T5189-01	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026028.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	124.93	62 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	111.14	56 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	95.12	48 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263488	3.65			
1146-65-2	Naphthalene-d8	893933	4.43			
15067-26-2	Acenaphthene-d10	536158	5.52			
1517-22-2	Phenanthrene-d10	777658	6.48			
1719-03-5	Chrysene-d12	753299	8.44			
1520-96-3	Perylene-d12	878361	10.18			

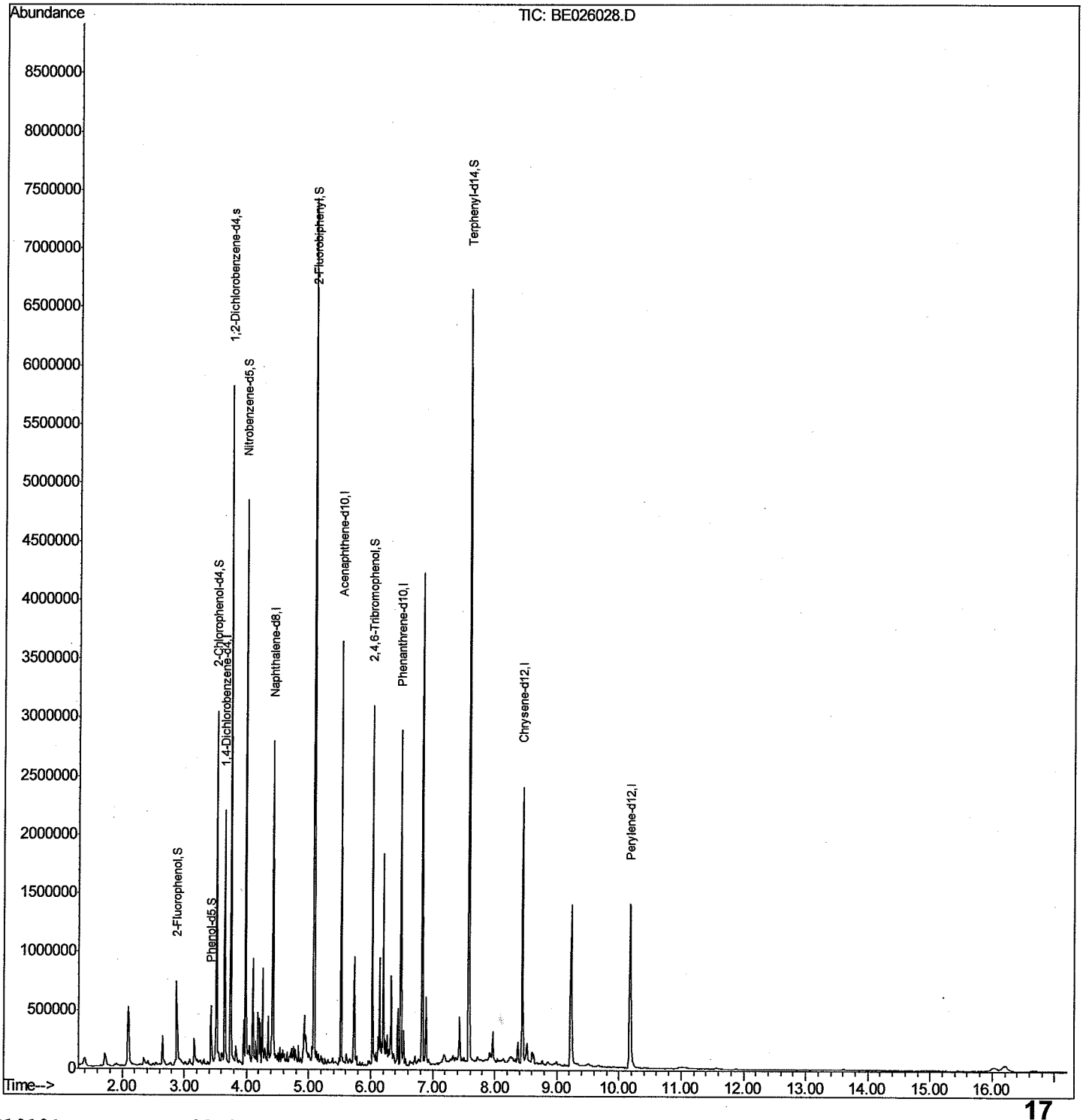
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026028.D
Acq On : 16 Oct 2005 4:41 am
Operator : DHZ
Sample : T5189-01
Misc : 8270
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 03:54:00 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026028.D
Acq On : 16 Oct 2005 4:41 am
Operator : DHZ
Sample : T5189-01
Misc : 8270
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 03:54:00 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	263488	40.00 ng	-0.01
22) Naphthalene-d8	4.43	136	893933	40.00 ng	-0.01
39) Acenaphthene-d10	5.52	164	536158	40.00 ng	-0.01
62) Phenanthrene-d10	6.48	188	777658	40.00 ng	-0.02
74) Chrysene-d12	8.44	240	753299	40.00 ng	-0.04
85) Perylene-d12	10.18	264	878361	40.00 ng	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	2.88	112	280296	28.41 ng	0.00
6) Phenol-d5	3.43	99	204764	16.59 ng	0.00
11) 2-Chlorophenol-d4	3.52	132	702545	73.10 ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	775713	138.98 ng	-0.02
24) Nitrobenzene-d5	3.98	82	1188622	124.93 ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	388221	135.59 ng	-0.01
44) 2-Fluorobiphenyl	5.09	172	1675851	111.14 ng	0.00
77) Terphenyl-d14	7.58	244	1739175	95.12 ng	-0.03
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026029.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	93.86	47 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	87.17	44 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	81.19	41 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	275455	3.65			
1146-65-2	Naphthalene-d8	933550	4.42			
15067-26-2	Acenaphthene-d10	556400	5.52			
1517-22-2	Phenanthrene-d10	846632	6.48			
1719-03-5	Chrysene-d12	792670	8.43			
1520-96-3	Perylene-d12	929266	10.16			

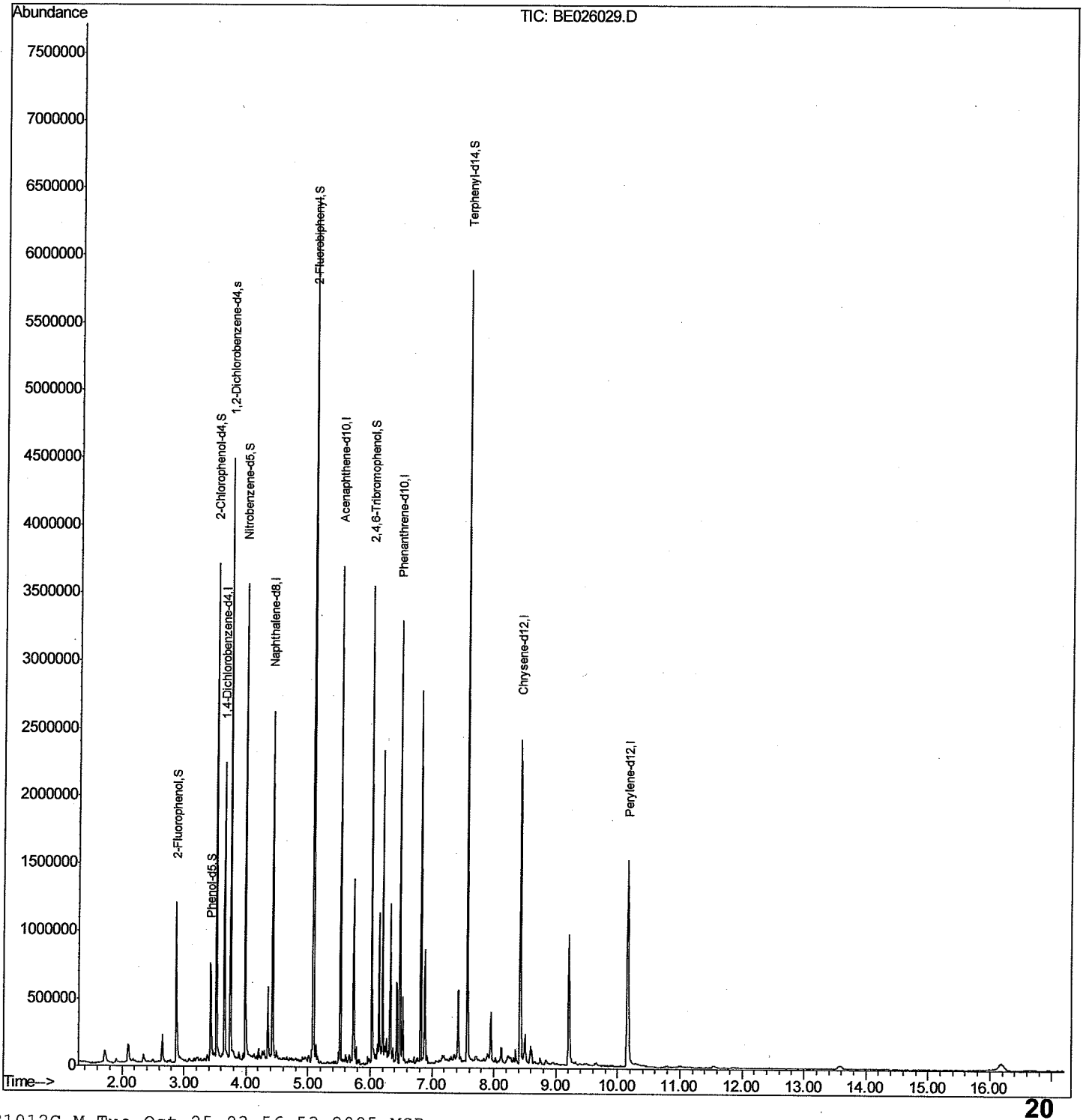
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026029.D
Acq On : 16 Oct 2005 5:05 am
Operator : DHZ
Sample : T5189-04
Misc : 8270
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 03:53:32 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026029.D
Acq On : 16 Oct 2005 5:05 am
Operator : DHZ
Sample : T5189-04
Misc : 8270
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 03:53:32 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	275455	40.00	ng	-0.01
22) Naphthalene-d8	4.42	136	933550	40.00	ng	-0.02
39) Acenaphthene-d10	5.52	164	556400	40.00	ng	-0.01
62) Phenanthrene-d10	6.48	188	846632m	40.00	ng	-0.02
74) Chrysene-d12	8.43	240	792670	40.00	ng	-0.05
85) Perylene-d12	10.16	264	929266	40.00	ng	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	2.87	112	407465	39.51	ng	-0.01
6) Phenol-d5	3.43	99	302901	23.48	ng	-0.01
11) 2-Chlorophenol-d4	3.52	132	861491	85.74	ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	556846	95.44	ng	-0.02
24) Nitrobenzene-d5	3.98	82	932615	93.86	ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	435953	146.72	ng	-0.01
44) 2-Fluorobiphenyl	5.08	172	1364047	87.17	ng	-0.01
77) Terphenyl-d14	7.57	244	1562218	81.19	ng	-0.04

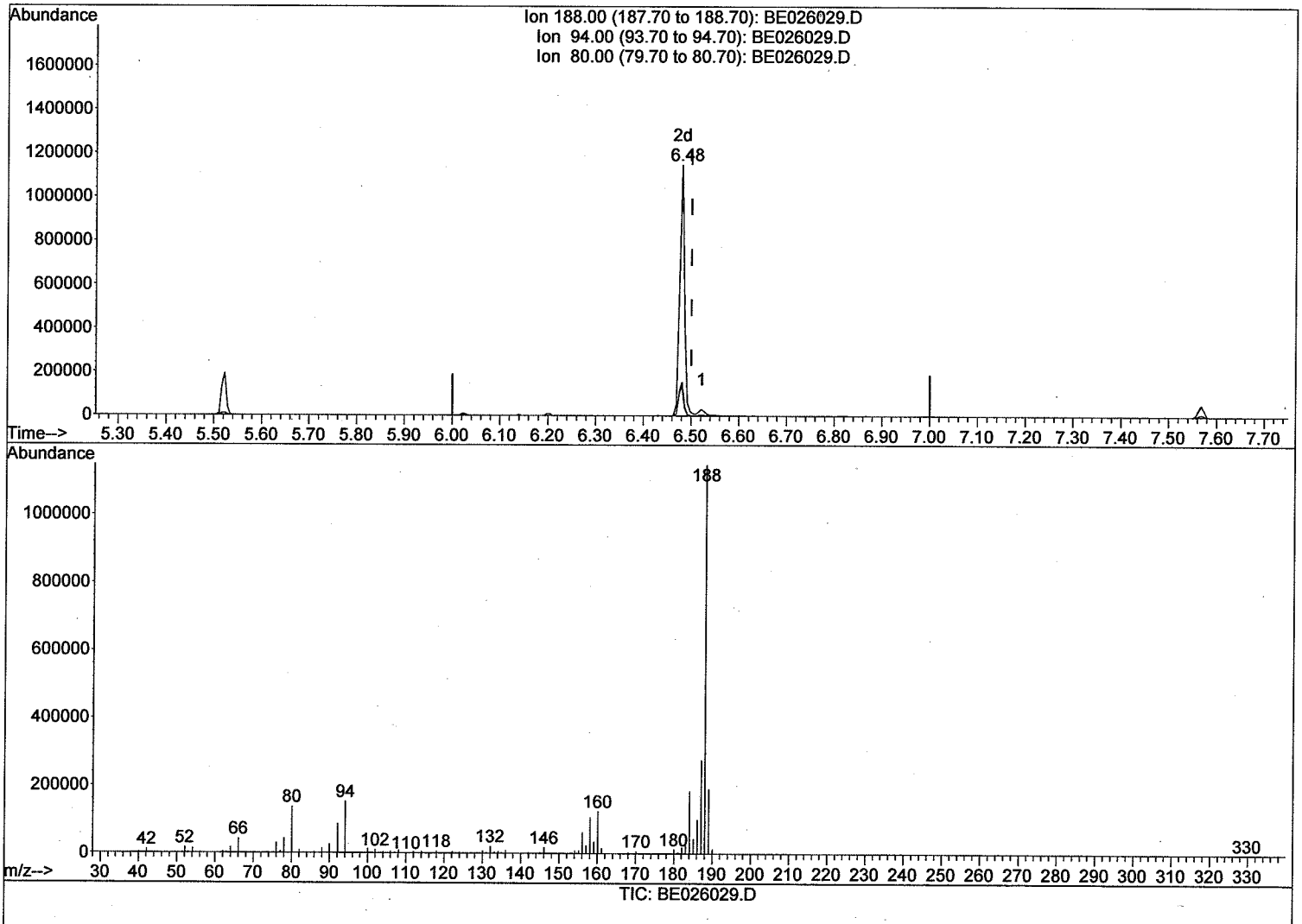
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026029.D
Acq On : 16 Oct 2005 5:05 am
Operator : DHZ
Sample : T5189-04
Misc : 8270
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 03:53:32 2005
Quant Method : U:\BNA E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

6.481min (-0.019) 40.00ng m

response 846632

Ion	Exp%	Act%
188.00	100	100
94.00	17.00	13.32#
80.00	15.80	11.97#
0.00	0.00	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026030.D	1	10/14/2005	10/16/2005	BE101205

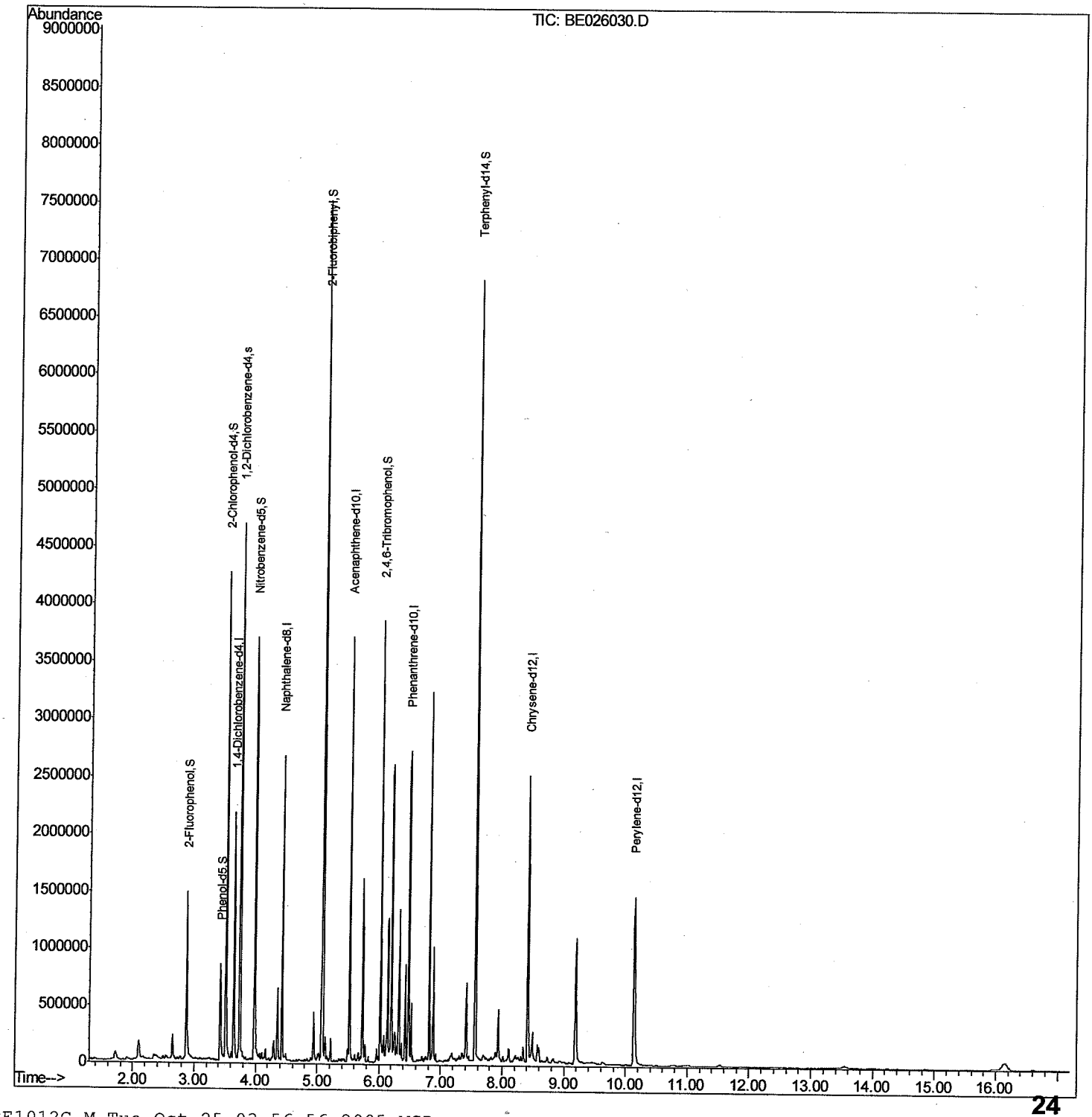
CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	111.04	56 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	99.25	50 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	93.83	47 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267180	3.65			
1146-65-2	Naphthalene-d8	918717	4.43			
15067-26-2	Acenaphthene-d10	544747	5.52			
1517-22-2	Phenanthrene-d10	812852	6.48			
1719-03-5	Chrysene-d12	760627	8.41			
1520-96-3	Perylene-d12	890690	10.14			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026030.D
Acq On : 16 Oct 2005 5:32 am
Operator : DHZ
Sample : T5189-05
Misc : 8270
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 17 03:56:26 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026030.D
Acq On : 16 Oct 2005 5:32 am
Operator : DHZ
Sample : T5189-05
Misc : 8270
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 17 03:56:26 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

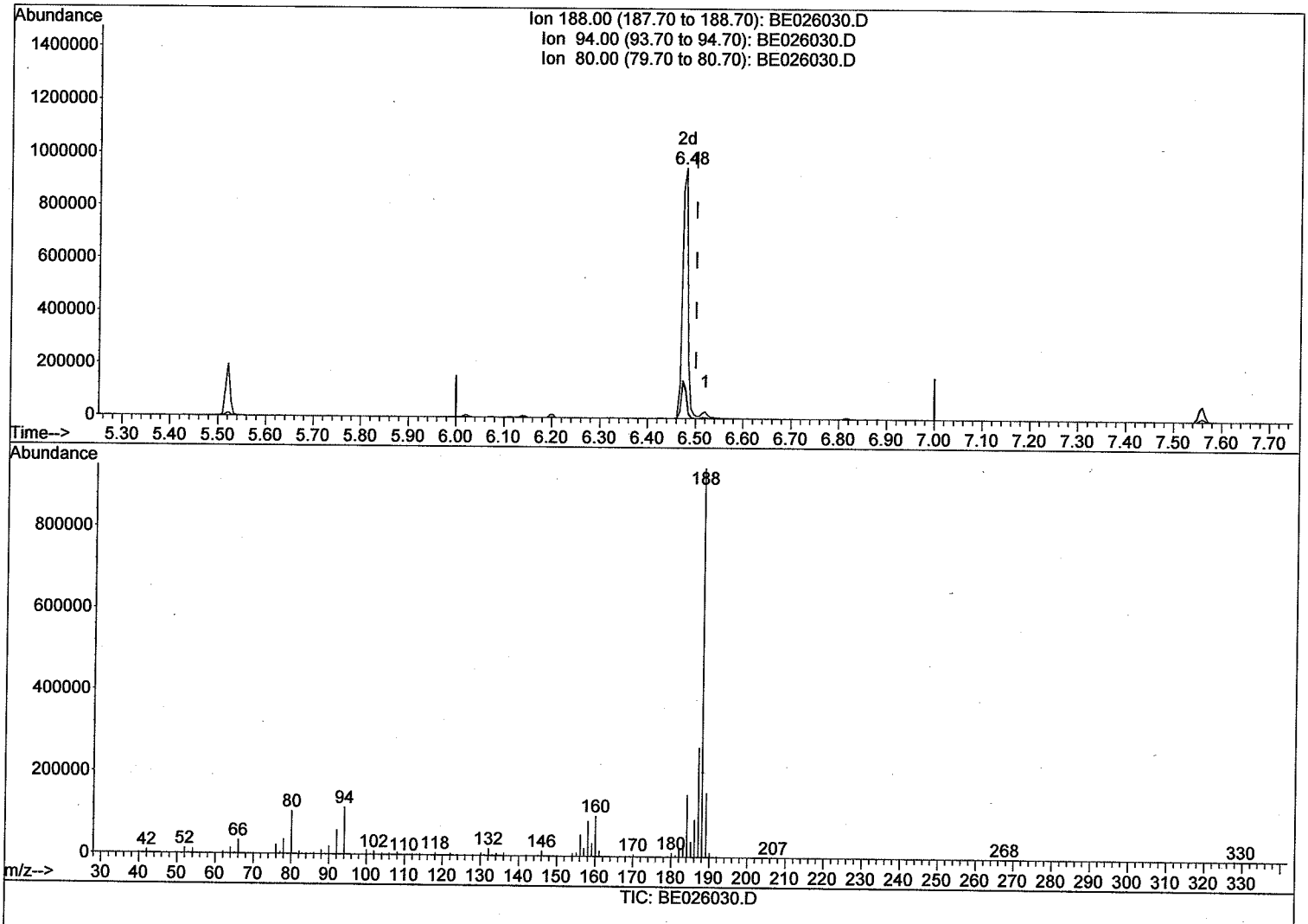
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	267180	40.00	ng	-0.01
22) Naphthalene-d8	4.43	136	918717	40.00	ng	-0.02
39) Acenaphthene-d10	5.52	164	544747	40.00	ng	-0.01
62) Phenanthrene-d10	6.48	188	812852m	40.00	ng	-0.02
74) Chrysene-d12	8.41	240	760627	40.00	ng	-0.07
85) Perylene-d12	10.14	264	890690	40.00	ng	-0.09
System Monitoring Compounds						
4) 2-Fluorophenol	2.87	112	485294	48.51	ng	-0.01
6) Phenol-d5	3.43	99	371175	29.67	ng	0.00
11) 2-Chlorophenol-d4	3.52	132	964894	99.01	ng	-0.02
14) 1,2-Dichlorobenzene-d4	3.74	152	662803	117.11	ng	-0.02
24) Nitrobenzene-d5	3.98	82	1085743	111.04	ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	455938	156.73	ng	-0.01
44) 2-Fluorobiphenyl	5.09	172	1520529	99.25	ng	0.00
77) Terphenyl-d14	7.56	244	1732395	93.83	ng	-0.04
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026030.D
Acq On : 16 Oct 2005 5:32 am
Operator : DHZ
Sample : T5189-05
Misc : 8270
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 17 03:56:26 2005
Quant Method : U:\BNA E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

6.479min (-0.021) 40.00ng m

response 812852

Ion	Exp%	Act%
188.00	100	100
94.00	17.00	12.11#
80.00	15.80	11.07#
0.00	0.00	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026031.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	139.64	70 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	122.08	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	119.36	60 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245732	3.65			
1146-65-2	Naphthalene-d8	844097	4.42			
15067-26-2	Acenaphthene-d10	501011	5.52			
1517-22-2	Phenanthrene-d10	712464	6.47			
1719-03-5	Chrysene-d12	706383	8.41			
1520-96-3	Perylene-d12	806660	10.14			

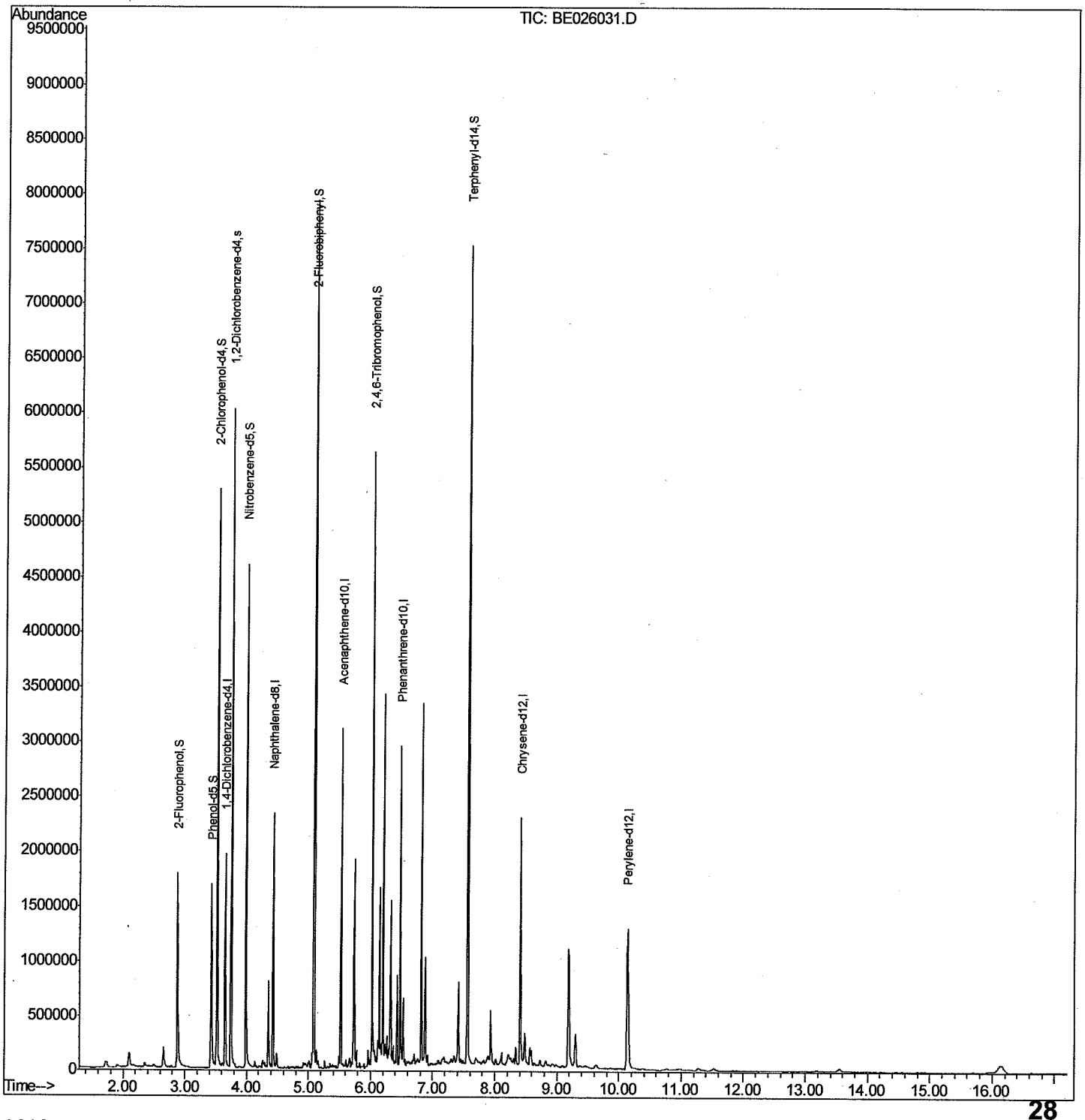
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026031.D
Acq On : 16 Oct 2005 5:56 am
Operator : DHZ
Sample : T5189-06
Misc : 8270
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 17 03:58:02 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026031.D
Acq On : 16 Oct 2005 5:56 am
Operator : DHZ
Sample : T5189-06
Misc : 8270
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 17 03:58:02 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	245732	40.00 ng	-0.01
22) Naphthalene-d8	4.42	136	844097	40.00 ng	-0.02
39) Acenaphthene-d10	5.52	164	501011	40.00 ng	-0.01
62) Phenanthrene-d10	6.47	188	712464	40.00 ng	-0.03
74) Chrysene-d12	8.41	240	706383	40.00 ng	-0.07
85) Perylene-d12	10.14	264	806660	40.00 ng	-0.09
System Monitoring Compounds					
4) 2-Fluorophenol	2.87	112	640276	69.59 ng	-0.01
6) Phenol-d5	3.43	99	602423	52.35 ng	-0.01
11) 2-Chlorophenol-d4	3.52	132	1263543	140.97 ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	786355	151.07 ng	-0.02
24) Nitrobenzene-d5	3.98	82	1254559	139.64 ng	-0.02
41) 2,4,6-Tribromophenol	6.02	330	609070	227.64 ng	-0.02
44) 2-Fluorobiphenyl	5.08	172	1720147	122.08 ng	-0.01
77) Terphenyl-d14	7.56	244	2046470	119.36 ng	-0.04
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	970.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026032.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.770	U	10	0.770	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.850	U	10	0.850	ug/L
53-70-3	Dibenz(a,h)anthracene	0.890	U	10	0.890	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	144.86	72 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	121.44	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	125.77	63 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248848	3.65			
1146-65-2	Naphthalene-d8	847613	4.42			
15067-26-2	Acenaphthene-d10	501492	5.52			
1517-22-2	Phenanthrene-d10	726685	6.48			
1719-03-5	Chrysene-d12	701006	8.44			
1520-96-3	Perylene-d12	808354	10.18			

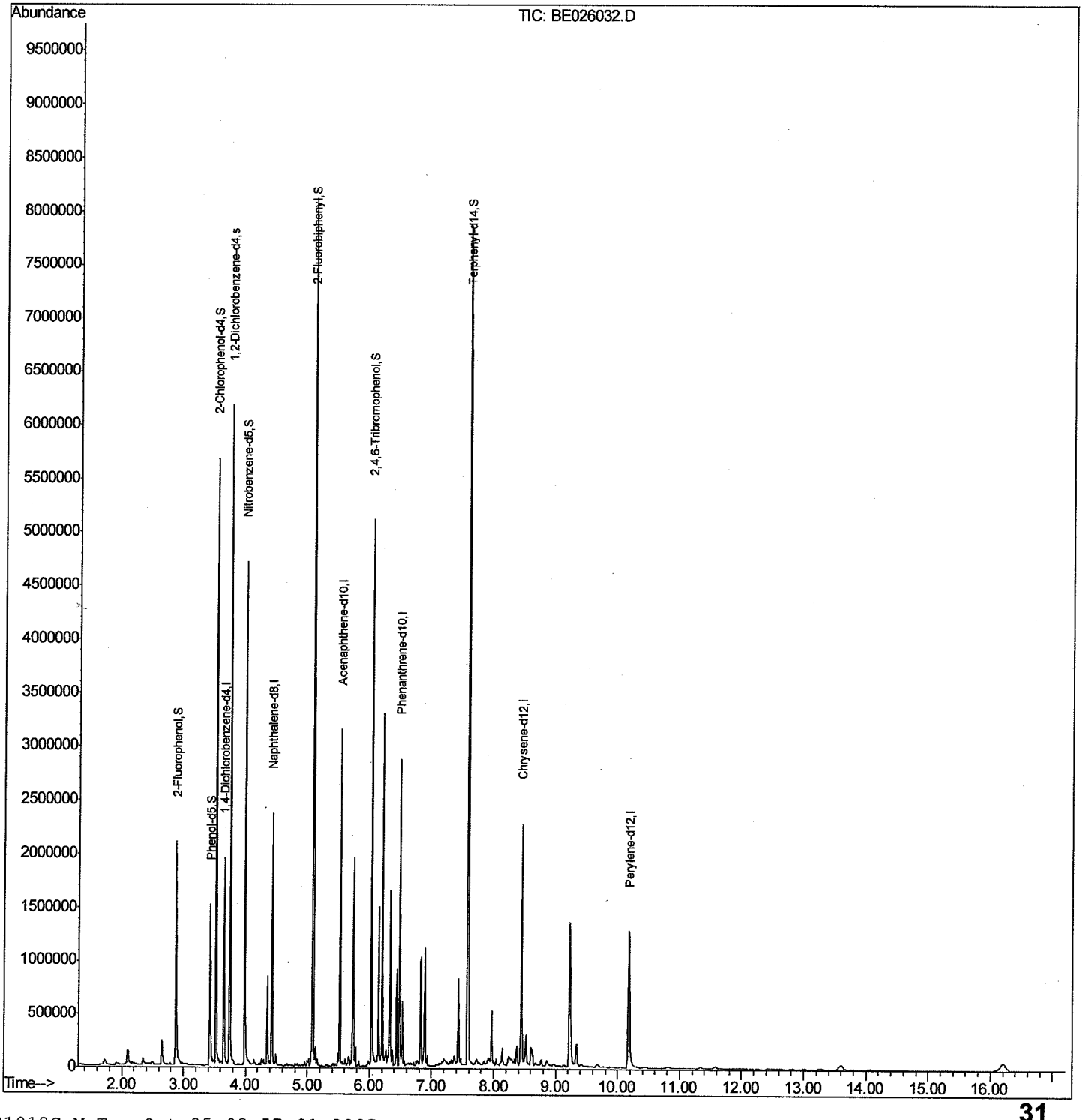
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026032.D
Acq On : 16 Oct 2005 6:20 am
Operator : DHZ
Sample : T5189-07
Misc : 8270
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 03:59:42 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026032.D
Acq On : 16 Oct 2005 6:20 am
Operator : DHZ
Sample : T5189-07
Misc : 8270
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 03:59:42 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	248848	40.00 ng	-0.01
22) Naphthalene-d8	4.42	136	847613	40.00 ng	-0.02
39) Acenaphthene-d10	5.52	164	501492	40.00 ng	-0.01
62) Phenanthrene-d10	6.48	188	726685	40.00 ng	-0.02
74) Chrysene-d12	8.44	240	701006	40.00 ng	-0.04
85) Perylene-d12	10.18	264	808354	40.00 ng	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	2.87	112	753452	80.86 ng	-0.01
6) Phenol-d5	3.43	99	537753	46.14 ng	-0.01
11) 2-Chlorophenol-d4	3.52	132	1359524	149.78 ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	798078	151.40 ng	-0.02
24) Nitrobenzene-d5	3.98	82	1306871	144.86 ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	644670	240.72 ng	-0.01
44) 2-Fluorobiphenyl	5.08	172	1712715	121.44 ng	-0.01
77) Terphenyl-d14	7.58	244	2140017	125.77 ng	-0.03

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026033.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	134.85	67 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	113.98	57 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	116.75	58 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270835	3.65			
1146-65-2	Naphthalene-d8	926350	4.43			
15067-26-2	Acenaphthene-d10	555524	5.52			
1517-22-2	Phenanthrene-d10	811175	6.48			
1719-03-5	Chrysene-d12	768827	8.43			
1520-96-3	Perylene-d12	904083	10.17			

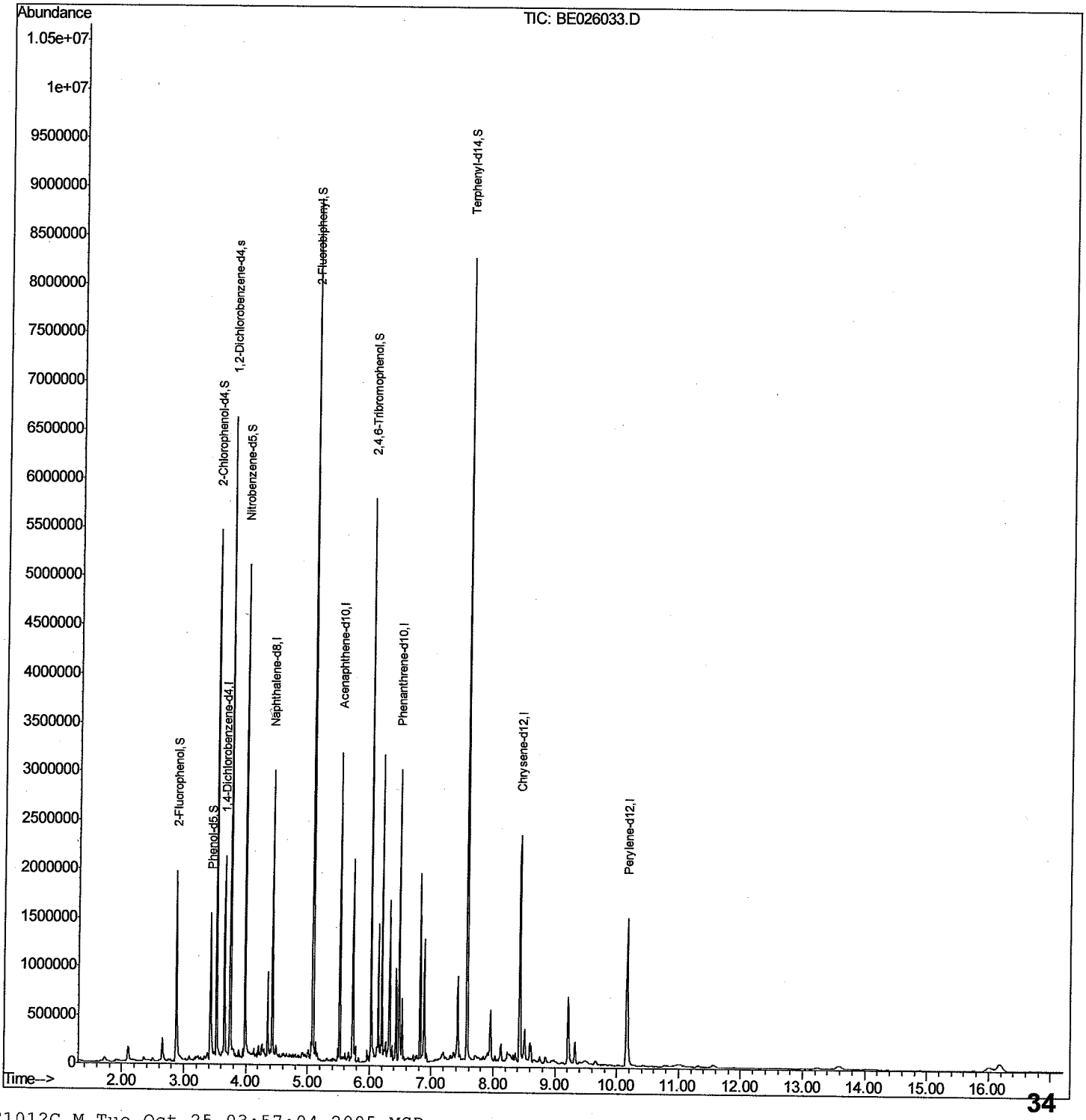
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026033.D
Acq On : 16 Oct 2005 6:44 am
Operator : DHZ
Sample : T5189-08
Misc : 8270
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 04:05:16 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026033.D
Acq On : 16 Oct 2005 6:44 am
Operator : DHZ
Sample : T5189-08
Misc : 8270
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 04:05:16 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	270835	40.00 ng	-0.01
22) Naphthalene-d8	4.43	136	926350	40.00 ng	-0.02
39) Acenaphthene-d10	5.52	164	555524	40.00 ng	-0.01
62) Phenanthrene-d10	6.48	188	811175m	40.00 ng	-0.02
74) Chrysene-d12	8.43	240	768827	40.00 ng	-0.05
85) Perylene-d12	10.17	264	904083	40.00 ng	-0.07
System Monitoring Compounds					
4) 2-Fluorophenol	2.87	112	743176	73.28 ng	-0.01
6) Phenol-d5	3.43	99	575781	45.40 ng	-0.01
11) 2-Chlorophenol-d4	3.52	132	1369424	138.62 ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	824715	143.76 ng	-0.02
24) Nitrobenzene-d5	3.98	82	1329571	134.85 ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	708523	238.83 ng	-0.01
44) 2-Fluorobiphenyl	5.08	172	1780782	113.98 ng	-0.01
77) Terphenyl-d14	7.57	244	2178654	116.75 ng	-0.03

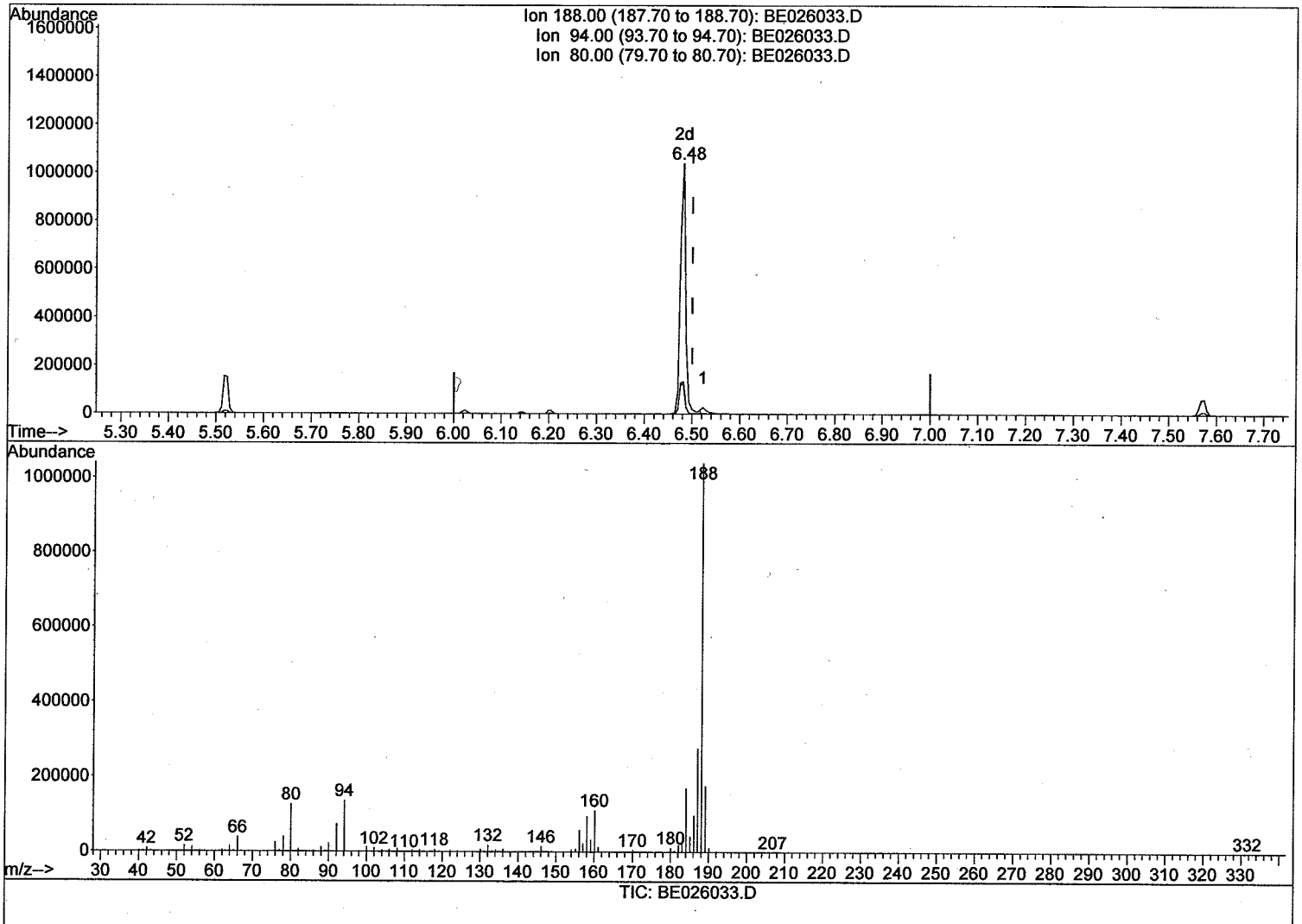
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026033.D
Acq On : 16 Oct 2005 6:44 am
Operator : DHZ
Sample : T5189-08
Misc : 8270
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 04:05:16 2005
Quant Method : U:\BNA E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

6.482min (-0.018) 40.00ng m

response 811175

Ion	Exp%	Act%
188.00	100	100
94.00	17.00	13.04#
80.00	15.80	12.13#
0.00	0.00	0.00

36

CHEMTECH

SEMI-VOLATILE CALIBRATION DATA

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Instrument ID: BNAE Calibration Date(s): 10/12/2005 10/12/2005

Calibration Time(s): 20:26 22:05

LAB FILE ID: RRF020 = BE025899.D RRF050 = BE025901.D
RRF080 = BE025897.D RRF120 = BE025900.D RRF160 = BE025898.D

COMPOUND		RRF020	RRF050	RRF080	RRF120	RRF160	$\overline{RRF}$	% RSD	
Naphthalene	*	1.156	1.051	0.915	0.769	0.706	0.919	20.5	*
Acenaphthene	*	1.274	1.220	1.118	1.081	0.893	1.117	13.2	*
Fluorene	*	1.459	1.245	1.124	1.034	0.978	1.168	16.4	*
Phenanthrene	*	1.376	1.237	1.078	0.870	0.815	1.075	22.1	*
Anthracene	*	1.412	1.185	1.038	0.841	0.753	1.046	25.3	*
Fluoranthene	*	1.373	1.257	1.115	0.918	0.827	1.098	20.7	*
Pyrene	*	1.666	1.514	1.347	1.116	1.026	1.334	20.0	*
Benzo(a)anthracene	*	1.545	1.548	1.369	1.246	1.210	1.384	11.6	*
Chrysene	*	1.446	1.397	1.301	1.071	1.009	1.245	15.7	*
Benzo(b)fluoranthene	*	1.332	1.463	1.333	1.315	1.280	1.345	5.2	*
Benzo(k)fluoranthene	*	1.403	1.295	1.250	0.999	0.959	1.181	16.4	*
Benzo(a)pyrene	*	1.290	1.346	1.271	1.169	1.155	1.246	6.6	*
Indeno(1,2,3-cd)pyrene	*	1.659	1.909	1.850	1.842	1.826	1.817	5.2	*
Dibenzo(a,h)anthracene	*	1.240	1.341	1.308	1.229	1.232	1.270	4.0	*
Benzo(g,h,i)perylene	*	1.238	1.355	1.316	1.254	1.253	1.283	3.9	*
Nitrobenzene-d5	*	0.476	0.471	0.418	0.389	0.375	0.426	10.9	*
2-Fluorobiphenyl	*	1.300	1.245	1.131	1.096	0.853	1.125	15.4	*
Terphenyl-d14	*	1.140	1.087	0.990	0.846	0.793	0.971	15.4	*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_E

Method Path : Z:\BNA_E\METHOD\2005\
Method File : BE1012C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 13 11:13:20 2005
Response Via : Initial Calibration

Calibration Files
80 =BE025897.D 160 =BE025898.D 20 =BE025899.D
120 =BE025900.D 50 =BE025901.D

		Compound	80	160	20	120	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)		Pyridine	2.113	2.158	1.875	2.086	2.178	2.082	5.83
3)		n-Nitrosodimethylam	0.736	0.692	0.702	0.683	0.757	0.714	4.39
4)	S	2-Fluorophenol	1.552	1.520	1.293	1.498	1.625	1.498	8.27
5)		Aniline	2.336	2.456	2.225	2.390	2.674	2.416	6.92
6)	S	Phenol-d5	1.913	1.724	1.951	1.749	2.029	1.873	7.03
7)		2-Chlorophenol	1.534	1.382	1.610	1.391	1.653	1.514	8.20
8)		Benzaldehyde	0.953	0.731	1.088	0.786	1.199	0.951	20.74
9)	C	Phenol	2.243	1.948	2.275	1.979	2.398	2.168	9.04
10)		bis(2-Chloroethyl)e	1.678	1.381	2.034	1.501	1.776	1.674	15.12
11)	S	2-Chlorophenol-d4	1.477	1.327	1.553	1.348	1.590	1.459	8.12
12)		1,3-Dichlorobenzene	1.532	1.382	1.597	1.384	1.654	1.510	8.19
13)	C	1,4-Dichlorobenzene	1.562	1.358	1.709	1.397	1.671	1.539	10.26
14)	s	1,2-Dichlorobenzene	0.871	0.731	0.933	0.756	0.945	0.847	11.72
15)		1,2-Dichlorobenzene	1.366	1.149	1.539	1.191	1.493	1.348	12.95
16)		Benzyl Alcohol	1.423	1.260	1.404	1.280	1.479	1.369	6.92
17)		2,2'-oxybis(1-Chlor	1.331	1.135	1.669	1.148	1.441	1.345	16.51
18)		2-Methylphenol	1.239	1.044	1.315	1.119	1.248	1.193	9.17
19)		Hexachloroethane	0.717	0.649	0.736	0.658	0.758	0.704	6.85
20)	P	n-Nitroso-di-n-prop	1.029	0.887	1.222	0.885	1.095	1.024	14.06
21)		3+4-Methylphenols	1.494	1.140	1.676	1.251	1.596	1.431	15.93
22)	I	Naphthalene-d8	----------ISTD----------						
23)		Acetophenone	0.529	0.427	0.632	0.464	0.619	0.534	17.06
24)	S	Nitrobenzene-d5	0.418	0.375	0.476	0.388	0.471	0.426	10.88
25)		Nitrobenzene	0.441	0.380	0.496	0.400	0.499	0.443	12.22
26)		Isophorone	0.756	0.700	0.848	0.709	0.827	0.768	8.77
27)	C	2-Nitrophenol	0.213	0.194	0.219	0.202	0.236	0.213	7.69
28)		2,4-Dimethylphenol	0.359	0.322	0.359	0.329	0.398	0.353	8.53
29)		bis(2-Chloroethoxy)	0.506	0.449	0.561	0.469	0.554	0.508	9.84
30)	C	2,4-Dichlorophenol	0.301	0.277	0.320	0.287	0.334	0.304	7.67
31)		1,2,4-Trichlorobenz	0.313	0.279	0.349	0.293	0.357	0.318	10.74
32)		Naphthalene	0.915	0.706	1.156	0.769	1.051	0.919	20.45
33)		Benzoic acid	0.108	0.165	0.056	0.147	0.112	0.117	35.54
34)		4-Chloroaniline	0.429	0.407	0.446	0.385	0.504	0.434	10.42
35)	C	Hexachlorobutadiene	0.166	0.149	0.182	0.155	0.184	0.167	9.33
36)		Caprolactam	0.117	0.118	0.147	0.135	0.149	0.133	11.71
37)	C	4-Chloro-3-methylph	0.350	0.310	0.369	0.320	0.376	0.345	8.49
38)		2-Methylnaphthalene	0.625	0.524	0.722	0.556	0.700	0.626	13.85
39)	I	Acenaphthene-d10	----------ISTD----------						
40)	P	Hexachlorocyclopent	0.178	0.231	0.092	0.218	0.178	0.179	30.31
41)	S	2,4,6-Tribromopheno	0.201	0.211	0.210	0.233	0.213	0.214	5.39
42)	C	2,4,6-Trichlorophen	0.356	0.413	0.345	0.402	0.372	0.378	7.80
43)		2,4,5-Trichlorophen	0.360	0.332	0.357	0.363	0.389	0.360	5.59
44)	S	2-Fluorobiphenyl	1.131	0.853	1.300	1.096	1.245	1.125	15.41
45)		1,1'-Biphenyl	1.395	1.279	1.701	1.335	1.569	1.456	12.03
46)		2-Chloronaphthalene	1.092	0.917	1.282	1.063	1.201	1.111	12.54
47)		2-Nitroaniline	0.396	0.396	0.449	0.394	0.443	0.416	6.70
48)		Acenaphthylene	1.651	1.470	2.009	1.523	1.803	1.691	12.96
49)		Dimethylphthalate	1.093	1.025	1.403	1.060	1.199	1.156	13.22
50)		2,6-Dinitrotoluene	0.291	0.284	0.340	0.292	0.315	0.304	7.60
51)	C	Acenaphthene	1.118	0.893	1.274	1.081	1.220	1.117	13.19

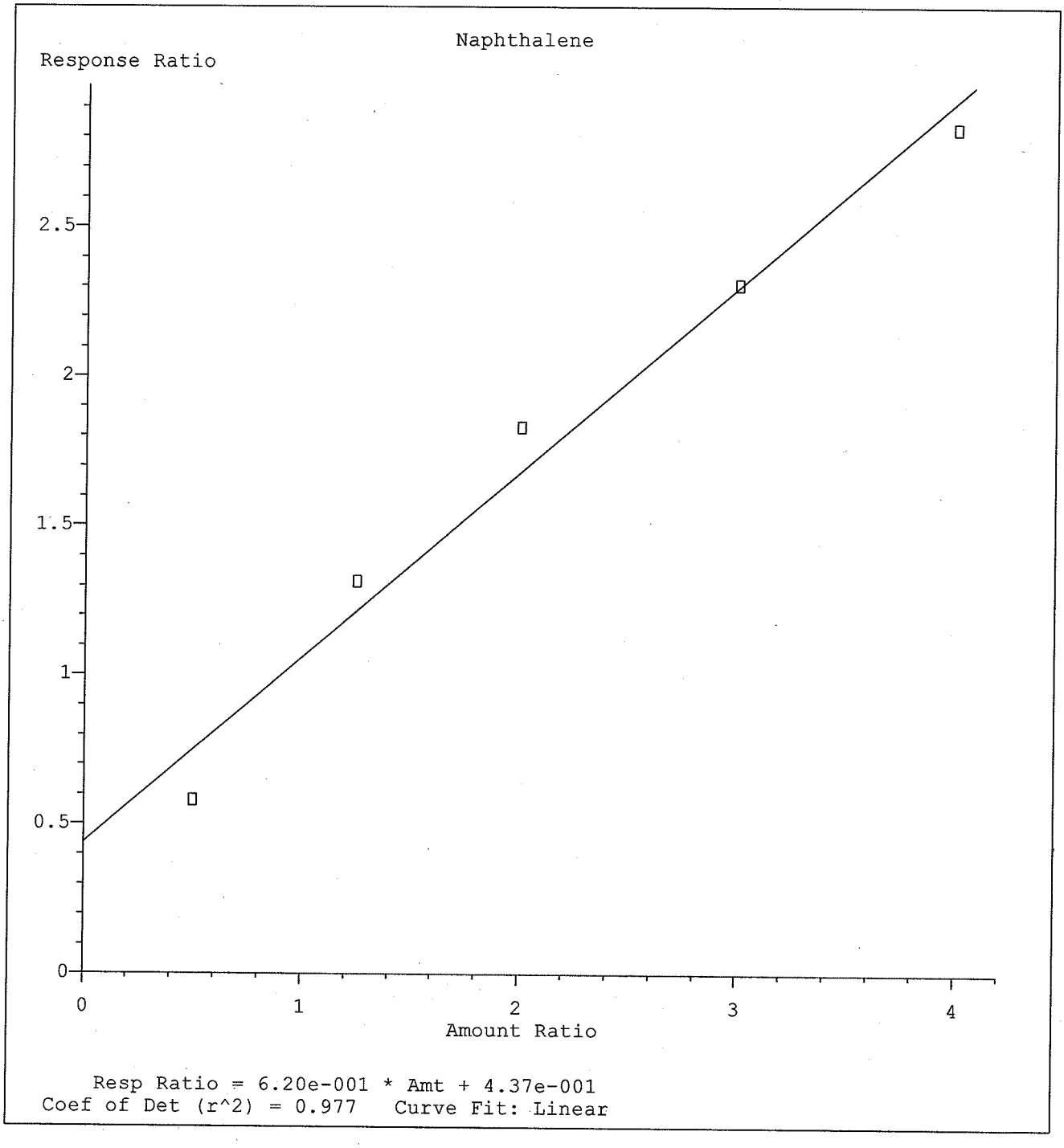
Response Factor Report BNA_E

Method Path : Z:\BNA_E\METHOD\2005\
Method File : BE1012C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 13 11:13:20 2005
Response Via : Initial Calibration

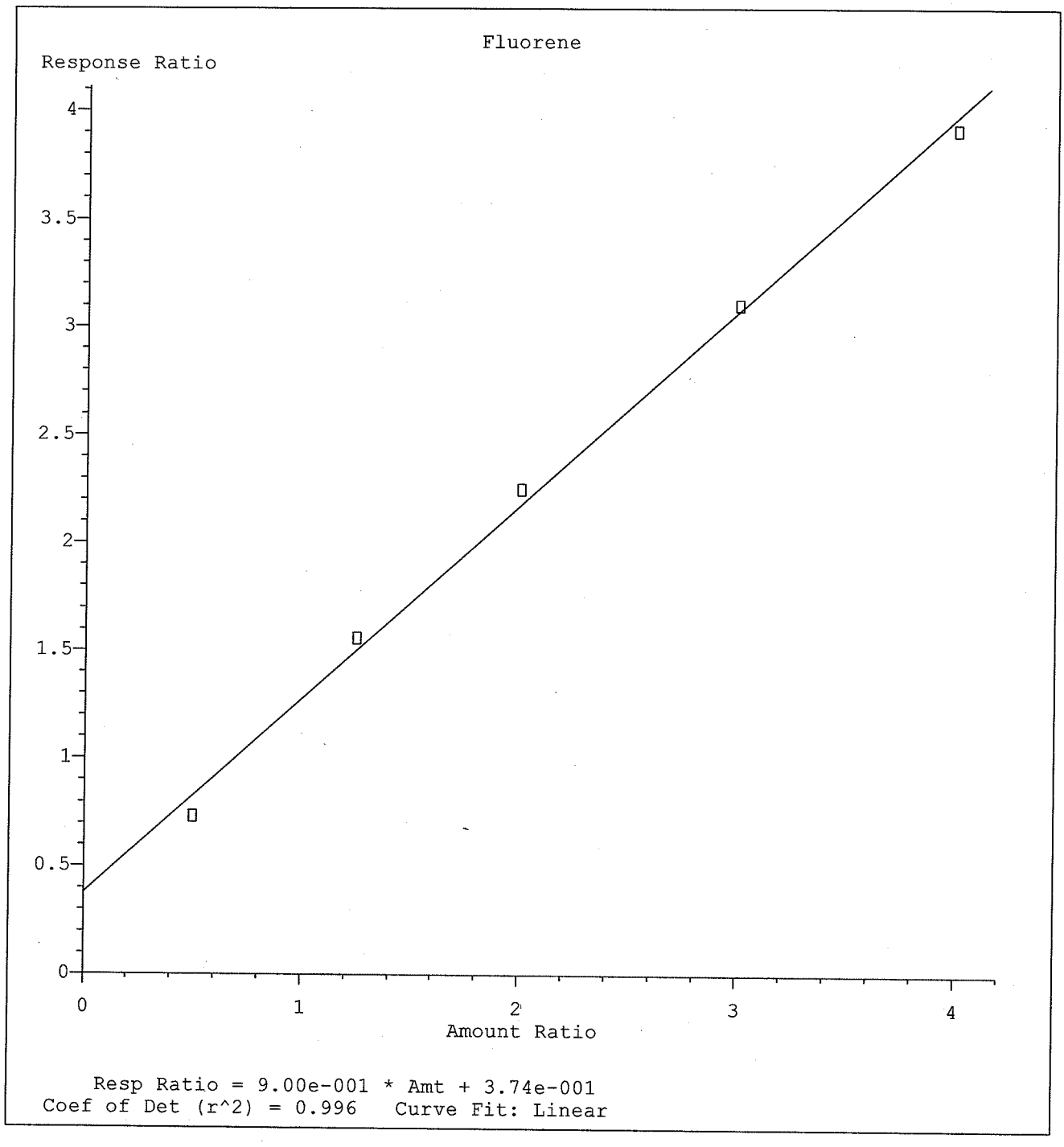
Calibration Files
80 =BE025897.D 160 =BE025898.D 20 =BE025899.D
120 =BE025900.D 50 =BE025901.D

		Compound	80	160	20	120	50	Avg	%RSD
52)		3-Nitroaniline	0.305	0.314	0.353	0.321	0.336	0.326	5.88
53)	P	2,4-Dinitrophenol	0.076	0.121	0.023	0.108	0.058	0.077	50.68
54)		Dibenzofuran	1.272	1.076	1.731	1.119	1.600	1.360	21.52
55)	P	4-Nitrophenol	0.215	0.350	0.119	0.325	0.216	0.245	38.12
56)		2,4-Dinitrotoluene	0.364	0.354	0.410	0.376	0.392	0.379	5.89
57)		Fluorene	1.124	0.978	1.459	1.034	1.245	1.168	16.41
58)		Diethylphthalate	1.056	0.940	1.360	0.987	1.144	1.098	15.08
59)		4-Chlorophenyl-phen	0.543	0.500	0.653	0.534	0.604	0.567	10.80
60)		4-Nitroaniline	0.342	0.361	0.281	0.349	0.302	0.327	10.38
61)		Azobenzene	1.236	0.998	1.722	1.100	1.313	1.274	21.85
62)	I	Phenanthrene-d10	----------ISTD----------						
63)		4,6-Dinitro-2-methy	0.131	0.142	0.074	0.140	0.129	0.123	22.72
64)	c	n-Nitrosodiphenylam	0.636	0.507	0.783	0.543	0.711	0.636	18.06
65)		4-Bromophenyl-pheny	0.229	0.223	0.252	0.218	0.264	0.237	8.36
66)		Hexachlorobenzene	0.254	0.228	0.284	0.237	0.283	0.257	10.05
67)		Atrazine	0.222	0.193	0.246	0.206	0.243	0.222	10.42
68)	C	Pentachlorophenol	0.105	0.129	0.099	0.117	0.100	0.110	11.57
69)		Phenanthrene	1.077	0.815	1.375	0.870	1.237	1.075	22.11
70)		Anthracene	1.037	0.753	1.412	0.841	1.185	1.046	25.37
71)		Carbazole	1.003	0.973	1.165	0.973	1.123	1.048	8.61
72)		Di-n-butylphthalate	1.132	0.841	1.520	0.942	1.299	1.147	23.79
73)	C	Fluoranthene	1.115	0.827	1.373	0.918	1.257	1.098	20.71
74)	I	Chrysene-d12	----------ISTD----------						
75)		Benzidine	0.455	0.417	0.322	0.439	0.476	0.422	14.21
76)		Pyrene	1.347	1.026	1.666	1.116	1.514	1.334	20.03
77)	S	Terphenyl-d14	0.990	0.793	1.140	0.846	1.087	0.971	15.44
78)		Butylbenzylphthalat	0.746	0.634	0.808	0.678	0.806	0.735	10.55
79)		Benzo(a)anthracene	1.369	1.210	1.545	1.246	1.548	1.384	11.58
80)		3,3'-Dichlorobenzid	0.311	0.314	0.364	0.313	0.335	0.327	6.87
81)		Chrysene	1.301	1.009	1.446	1.071	1.397	1.245	15.69
82)		Bis(2-ethylhexyl)ph	0.987	0.809	1.106	0.877	1.078	0.972	13.14
83)	c	Di-n-octyl phthalat	1.745	1.442	1.864	1.543	1.865	1.692	11.34
84)		Indeno(1,2,3-cd)pyr	1.850	1.826	1.659	1.842	1.909	1.817	5.17
85)	I	Perylene-d12	----------ISTD----------						
86)		Benzo(b)fluoranthen	1.333	1.280	1.332	1.315	1.463	1.345	5.18
87)		Benzo(k)fluoranthen	1.250	0.959	1.403	0.999	1.295	1.181	16.34
88)	C	Benzo(a)pyrene	1.271	1.155	1.290	1.169	1.346	1.246	6.57
89)		Dibenzo(a,h)anthrac	1.308	1.232	1.240	1.229	1.341	1.270	4.03
90)		Benzo(g,h,i)perylen	1.316	1.253	1.238	1.254	1.355	1.283	3.91

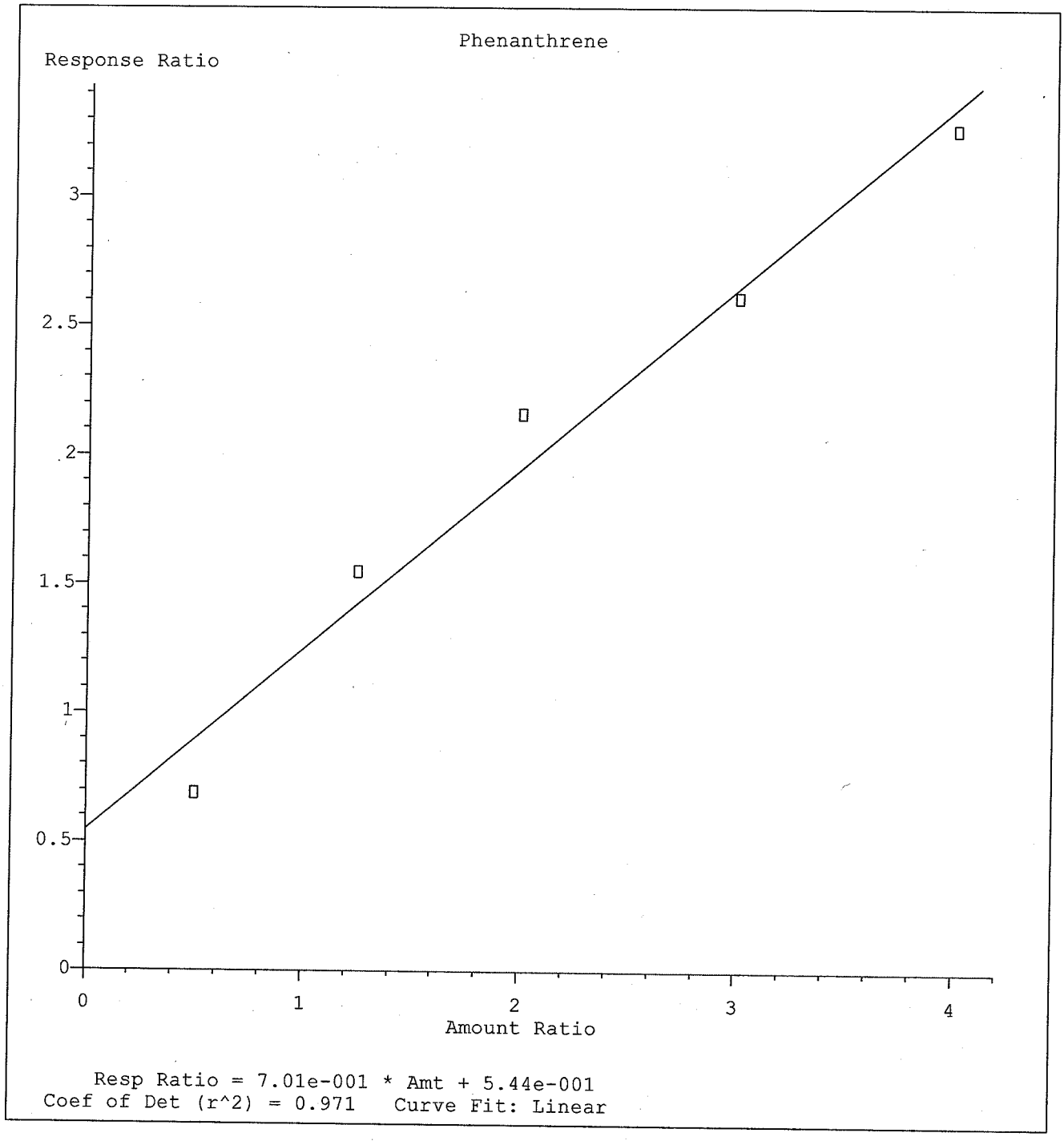
(#) = Out of Range



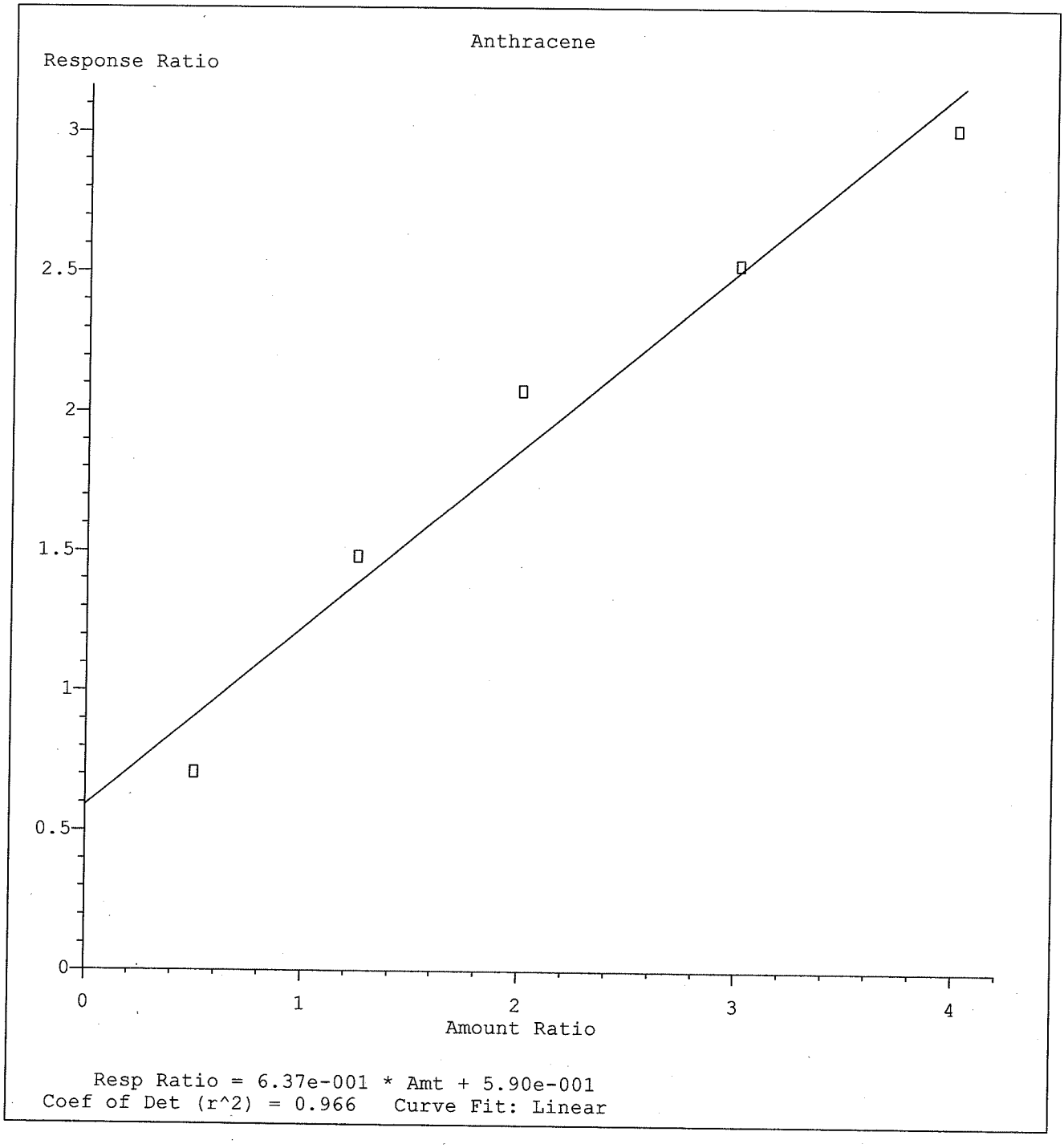
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:12:03 2005



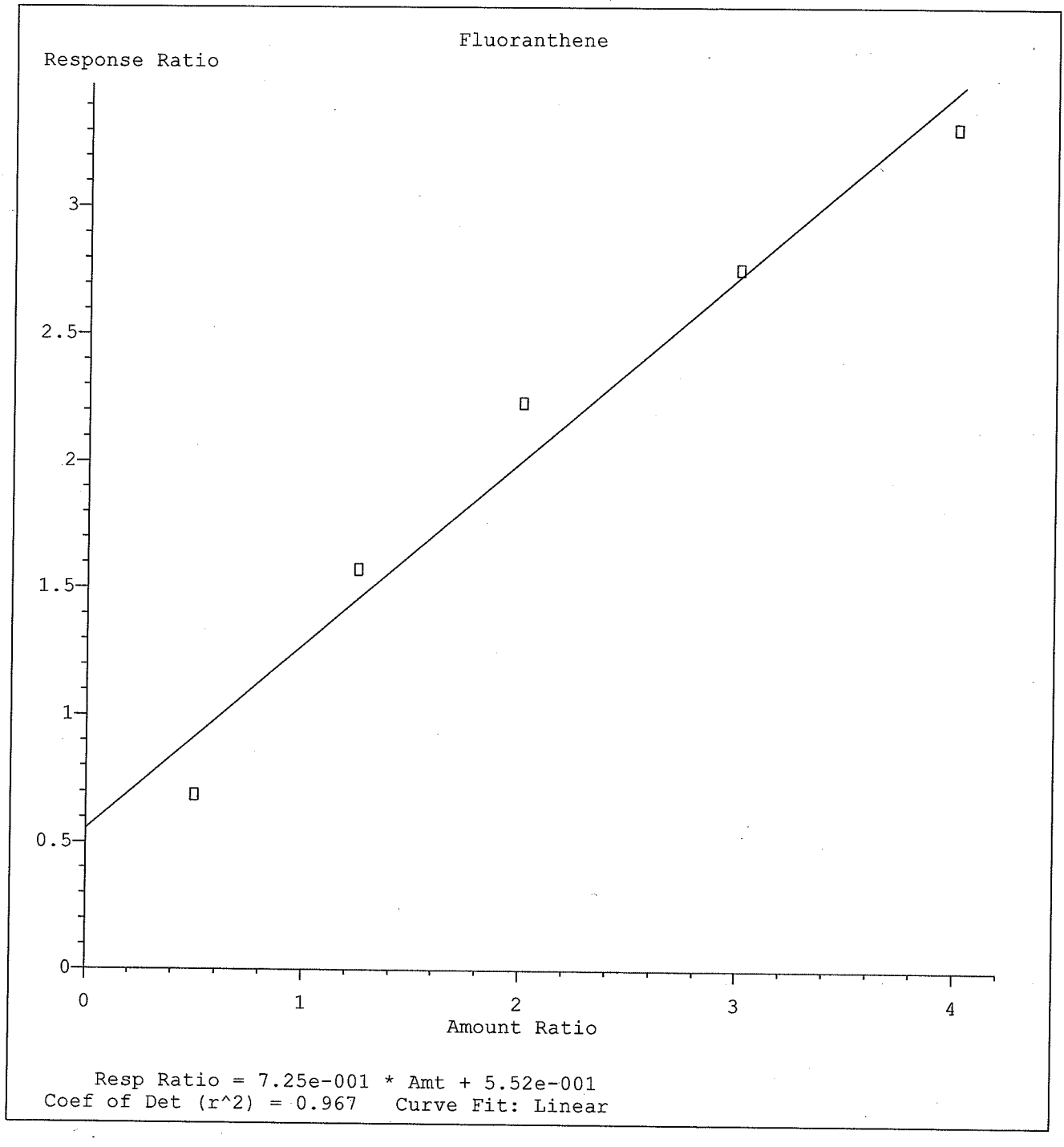
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:13:37 2005



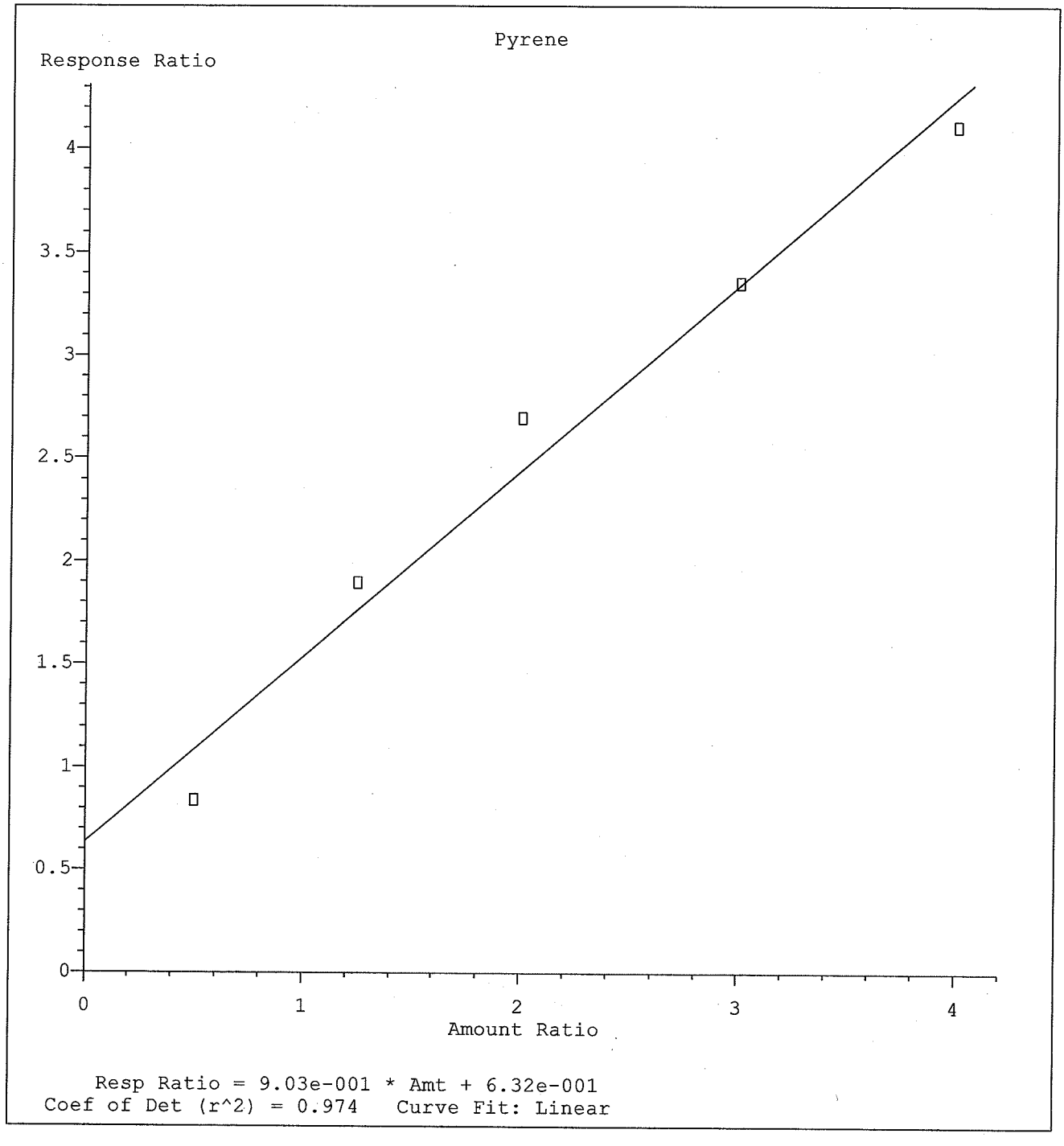
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:14:29 2005



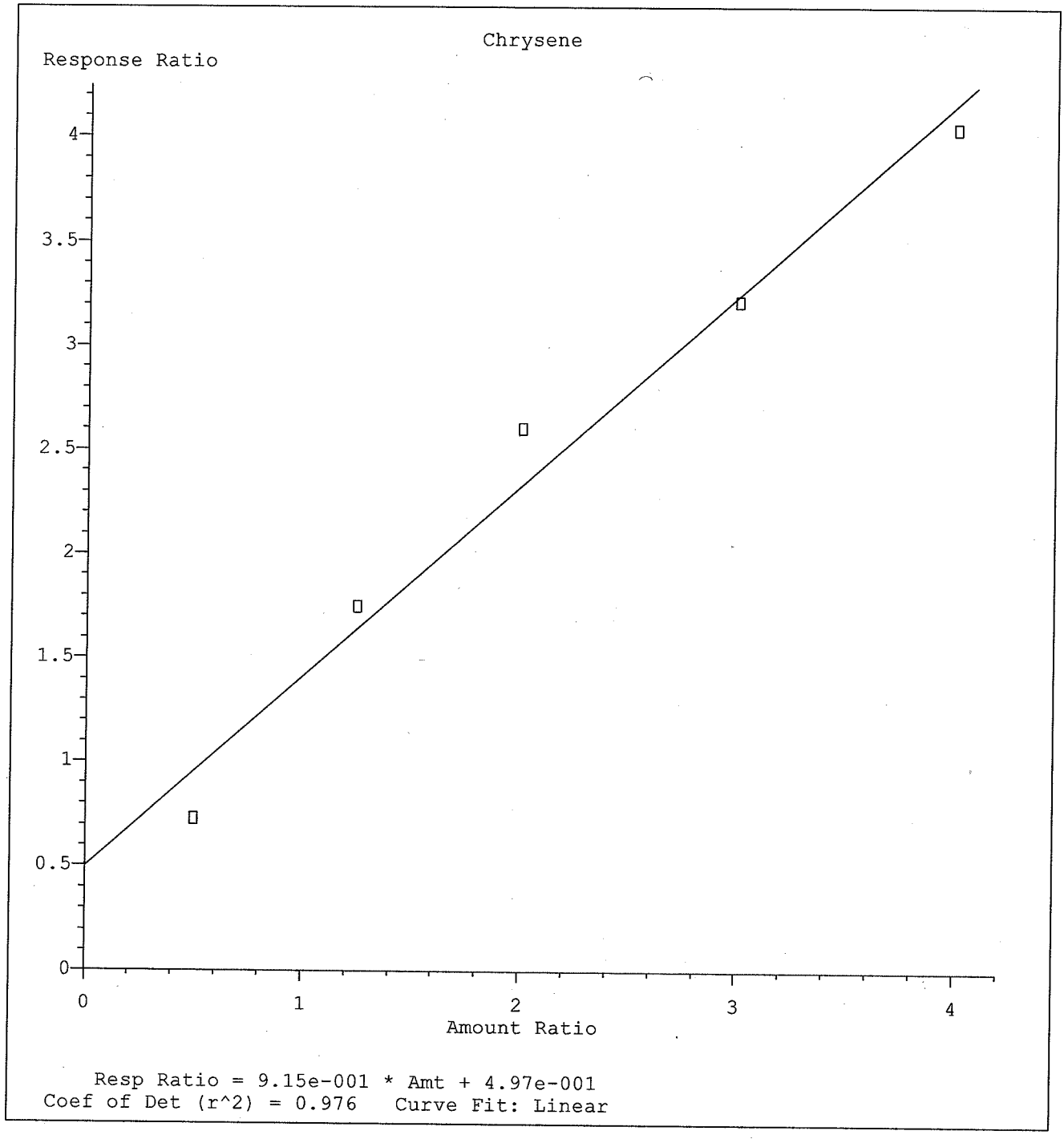
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:14:39 2005



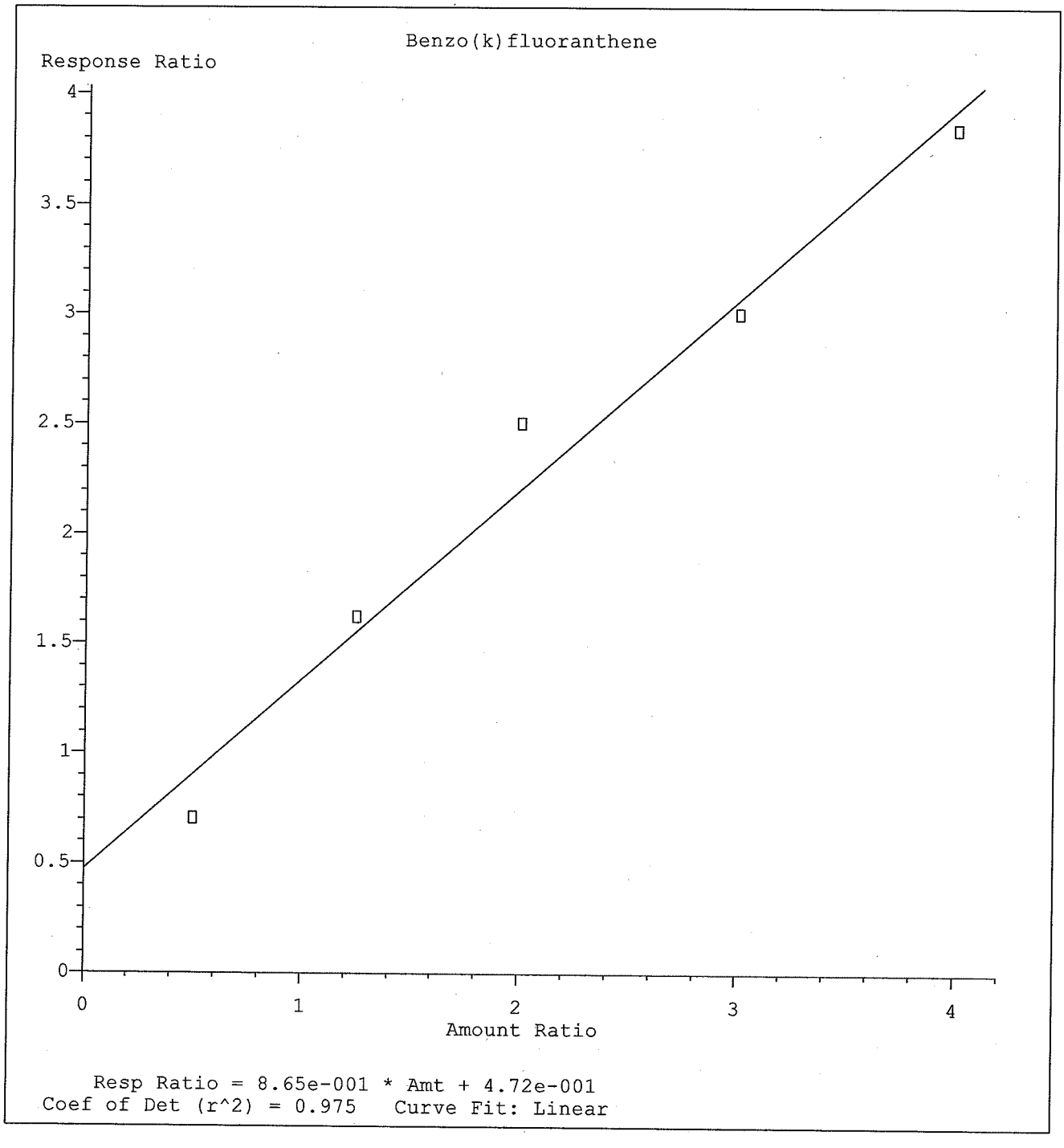
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:14:57 2005



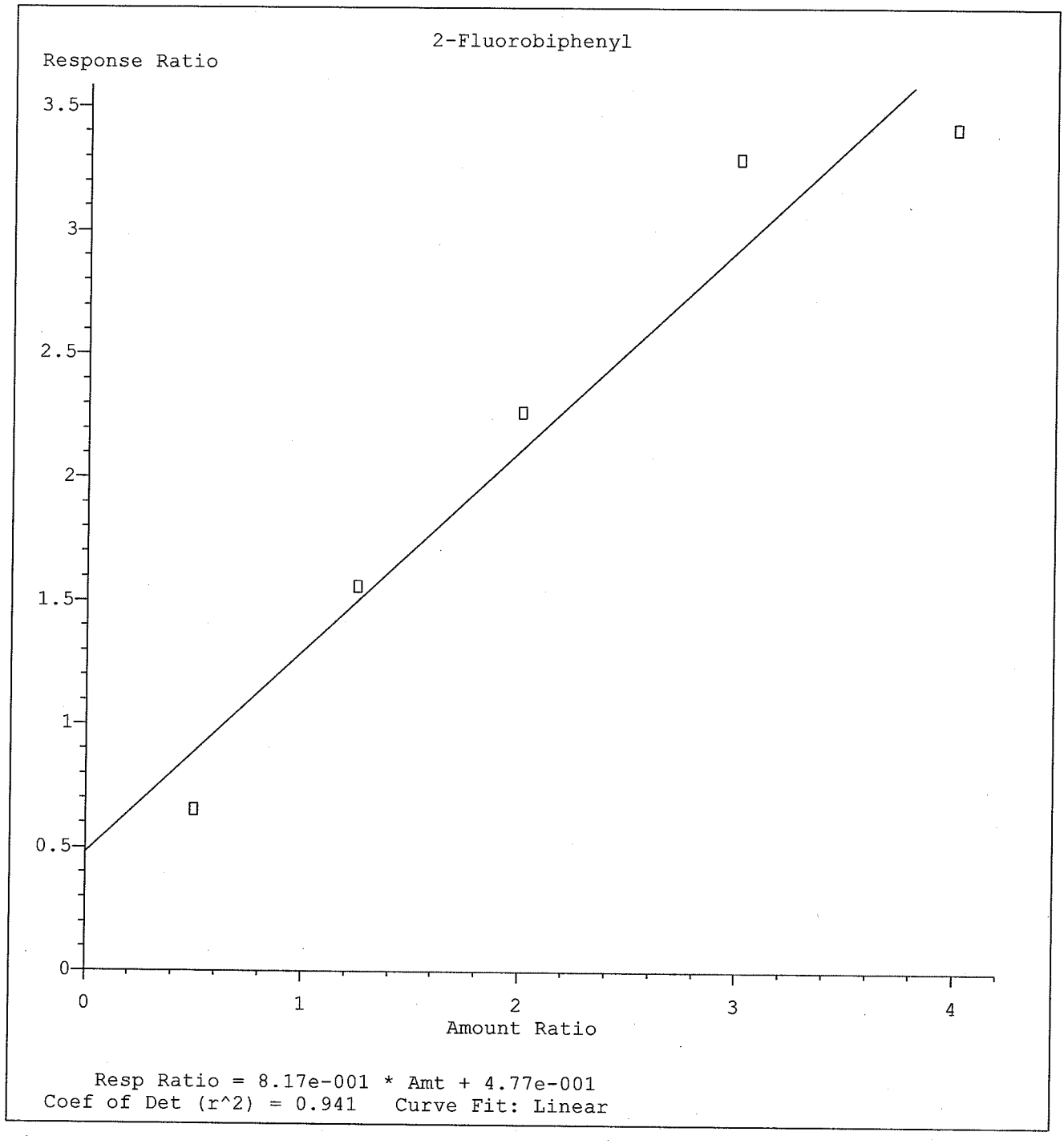
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:15:07 2005



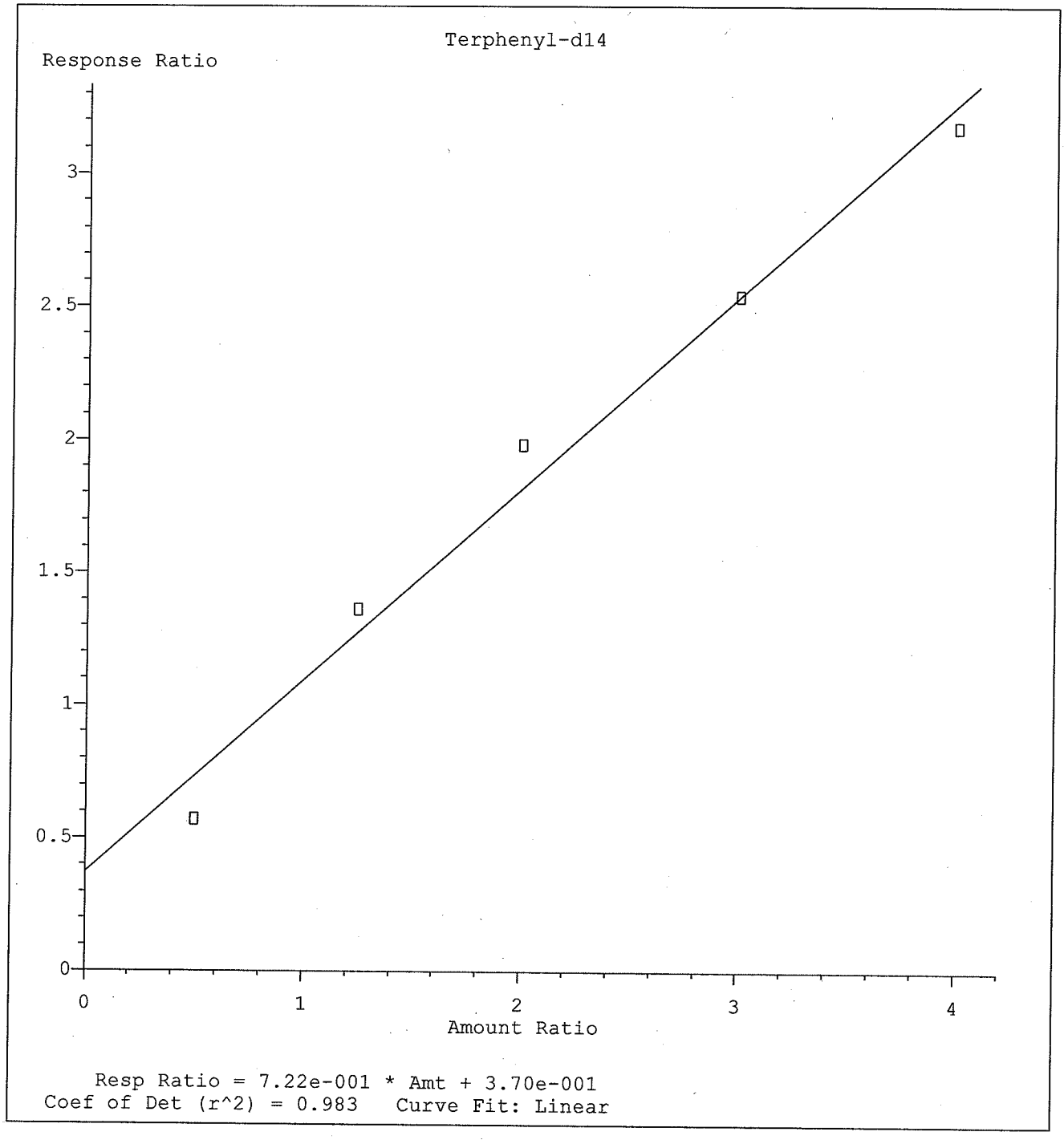
Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:15:31 2005



Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:15:43 2005



Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:12:46 2005



Method Name: Z:\BNA_E\METHOD\2005\BE1012C.M
Calibration Table Last Updated: Thu Oct 20 12:15:20 2005

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025897.D
Acq On : 12 Oct 2005 8:26 pm
Operator : DHZ
Sample : 80 ng BNA ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 22:18:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.66	152	232520	40.00	ng	0.00
22) Naphthalene-d8	4.44	136	880115	40.00	ng	0.00
39) Acenaphthene-d10	5.54	164	481036	40.00	ng	0.00
62) Phenanthrene-d10	6.50	188	704462	40.00	ng	0.00
74) Chrysene-d12	8.48	240	611423	40.00	ng	0.00
85) Perylene-d12	10.23	264	722070	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.89	112	721521	80.00	ng	0.00
6) Phenol-d5	3.44	99	889657	80.00	ng	0.00
11) 2-Chlorophenol-d4	3.53	132	686893	80.00	ng	0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	405004	80.00	ng	0.00
24) Nitrobenzene-d5	4.00	82	736519	80.00	ng	0.00
41) 2,4,6-Tribromophenol	6.04	330	193711	80.00	ng	0.00
44) 2-Fluorobiphenyl	5.10	172	1088388	80.00	ng	0.00
77) Terphenyl-d14	7.60	244	1210325	80.00	ng	0.00
Target Compounds						Qvalue
2) Pyridine	1.89	79	982744	80.00	ng	100
3) n-Nitrosodimethylamine	1.88	42	342268	80.00	ng	100
5) Aniline	3.47	93	1086508	80.00	ng	100
7) 2-Chlorophenol	3.54	128	713480	80.00	ng	100
8) Benzaldehyde	3.40	77	443401	80.00	ng	100
9) Phenol	3.45	94	1042875	80.00	ng	100
10) bis(2-Chloroethyl)ether	3.49	93	780451	80.00	ng	100
12) 1,3-Dichlorobenzene	3.63	146	712406	80.00	ng	100
13) 1,4-Dichlorobenzene	3.67	146	726241	80.00	ng	100
15) 1,2-Dichlorobenzene	3.77	146	635365	80.00	ng	100
16) Benzyl Alcohol	3.74	79	661778	80.00	ng	100
17) 2,2'-oxybis(1-Chloropropan	3.81	45	619004	80.00	ng	100
18) 2-Methylphenol	3.81	107	576290	80.00	ng	100
19) Hexachloroethane	3.97	117	333374	80.00	ng	100
20) n-Nitroso-di-n-propylamine	3.90	70	478603	80.00	ng	100
21) 3+4-Methylphenols	3.90	107	694670	80.00	ng	100
23) Acetophenone	3.90	105	930761	80.00	ng	100
25) Nitrobenzene	4.01	77	776756	80.00	ng	100
26) Isophorone	4.15	82	1330937	80.00	ng	100
27) 2-Nitrophenol	4.20	139	375427	80.00	ng	100
28) 2,4-Dimethylphenol	4.21	122	631264	80.00	ng	100
29) bis(2-Chloroethoxy)methane	4.27	93	891382	80.00	ng	100
30) 2,4-Dichlorophenol	4.36	162	530551	80.00	ng	100
31) 1,2,4-Trichlorobenzene	4.40	180	551821	80.00	ng	100
32) Naphthalene	4.46	128	1610691	80.00	ng	100
33) Benzoic acid	4.30	122	190000	80.00	ng	100
34) 4-Chloroaniline	4.48	127	754269	80.00	ng	100
35) Hexachlorobutadiene	4.52	225	292041	80.00	ng	100
36) Caprolactam	4.71	113	205368	80.00	ng	100
37) 4-Chloro-3-methylphenol	4.78	107	616895	80.00	ng	100
38) 2-Methylnaphthalene	4.94	142	1100462	80.00	ng	100
40) Hexachlorocyclopentadiene	4.97	237	170772	80.00	ng	100

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025897.D
Acq On : 12 Oct 2005 8:26 pm
Operator : DHZ
Sample : 80 ng BNA ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 22:18:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

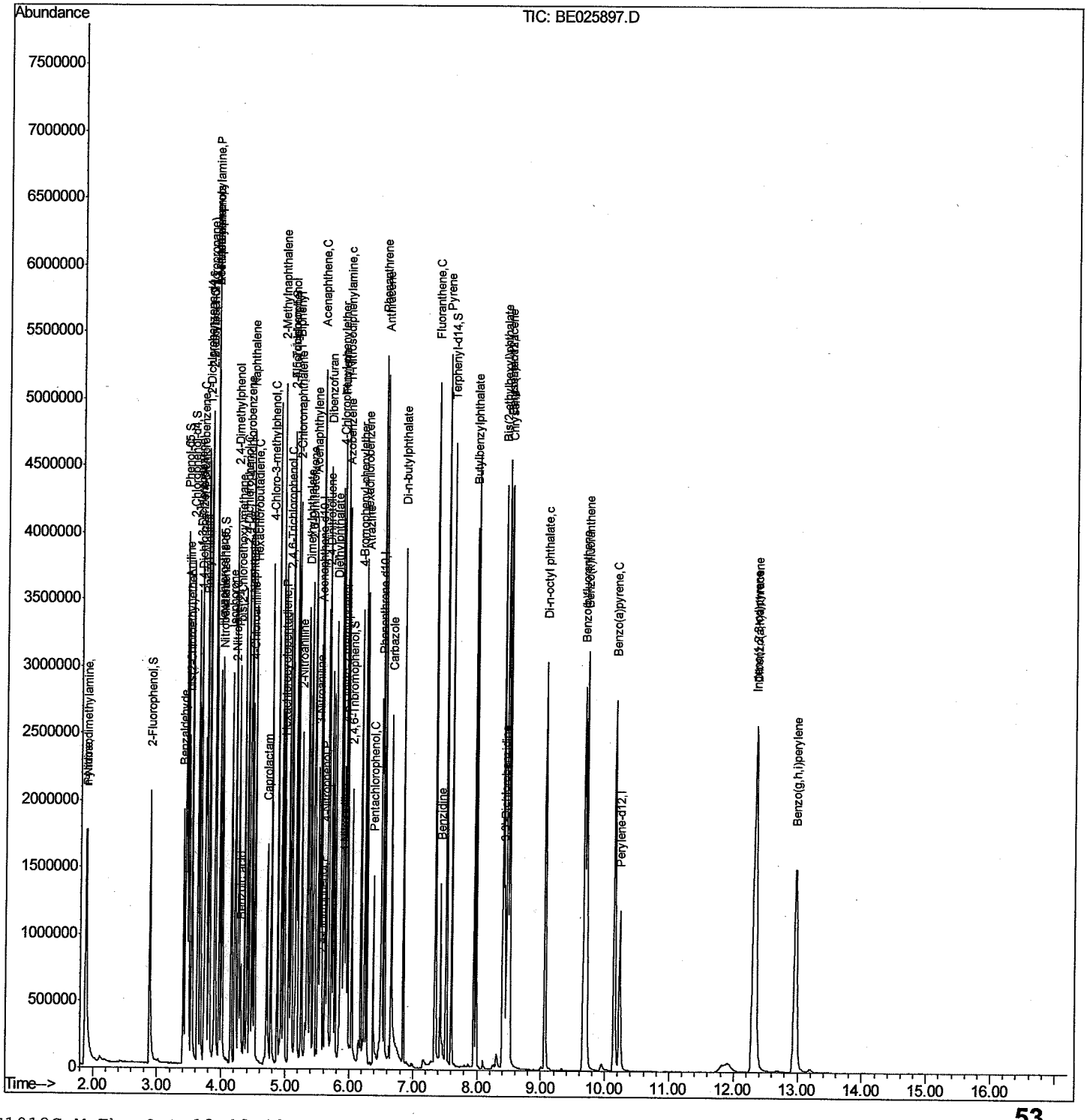
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2,4,6-Trichlorophenol	5.05	196	342345	80.00 ng	100
43) 2,4,5-Trichlorophenol	5.09	196	346506	80.00 ng	100
45) 1,1'-Biphenyl	5.17	154	1341990	80.00 ng	100
46) 2-Chloronaphthalene	5.19	162	1050373	80.00 ng	100
47) 2-Nitroaniline	5.25	65	380937	80.00 ng	100
48) Acenaphthylene	5.45	152	1588559	80.00 ng	100
49) Dimethylphthalate	5.34	163	1051335	80.00 ng	100
50) 2,6-Dinitrotoluene	5.40	165	279647	80.00 ng	100
51) Acenaphthene	5.56	154	1075950	80.00 ng	100
52) 3-Nitroaniline	5.51	138	293031	80.00 ng	100
53) 2,4-Dinitrophenol	5.58	184	73179	80.00 ng	100
54) Dibenzofuran	5.67	168	1223418	80.00 ng	100
55) 4-Nitrophenol	5.62	139	207252	80.00 ng	100
56) 2,4-Dinitrotoluene	5.65	165	350051	80.00 ng	100
57) Fluorene	5.88	166	1080942	80.00 ng	100
58) Diethylphthalate	5.78	149	1015561	80.00 ng	100
59) 4-Chlorophenyl-phenylether	5.87	204	522719	80.00 ng	100
60) 4-Nitroaniline	5.91	138	328890m	80.00 ng	
61) Azobenzene	5.97	77	1189057	80.00 ng	100
63) 4,6-Dinitro-2-methylphenol	5.92	198	184196	80.00 ng	100
64) n-Nitrosodiphenylamine	5.95	169	896617	80.00 ng	100
65) 4-Bromophenyl-phenylether	6.18	248	322067	80.00 ng	100
66) Hexachlorobenzene	6.25	284	357406	80.00 ng	100
67) Atrazine	6.28	200	312556	80.00 ng	100
68) Pentachlorophenol	6.38	266	148513	80.00 ng	100
69) Phenanthrene	6.52	178	1518083	80.00 ng	100
70) Anthracene	6.55	178	1461696	80.00 ng	100
71) Carbazole	6.66	167	1413079	80.00 ng	100
72) Di-n-butylphthalate	6.85	149	1594395	80.00 ng	100
73) Fluoranthene	7.35	202	1570249	80.00 ng	100
75) Benzidine	7.43	184	556617	80.00 ng	100
76) Pyrene	7.52	202	1646769	80.00 ng	100
78) Butylbenzylphthalate	7.96	149	912167	80.00 ng	100
79) Benzo(a)anthracene	8.47	228	1674525	80.00 ng	100
80) 3,3'-Dichlorobenzidine	8.43	252	380243	80.00 ng	100
81) Chrysene	8.51	228	1590636	80.00 ng	100
82) Bis(2-ethylhexyl)phthalate	8.41	149	1207335	80.00 ng	100
83) Di-n-octyl phthalate	9.07	149	2134096	80.00 ng	100
84) Indeno(1,2,3-cd)pyrene	12.33	276	2261712	80.00 ng	100
86) Benzo(b)fluoranthene	9.67	252	1925249	80.00 ng	100
87) Benzo(k)fluoranthene	9.71	252	1805757	80.00 ng	100
88) Benzo(a)pyrene	10.15	252	1835444	80.00 ng	100
89) Dibenzo(a,h)anthracene	12.35	278	1889435	80.00 ng	100
90) Benzo(g,h,i)perylene	12.97	276	1900352	80.00 ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025897.D
Acq On : 12 Oct 2005 8:26 pm
Operator : DHZ
Sample : 80 ng BNA ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

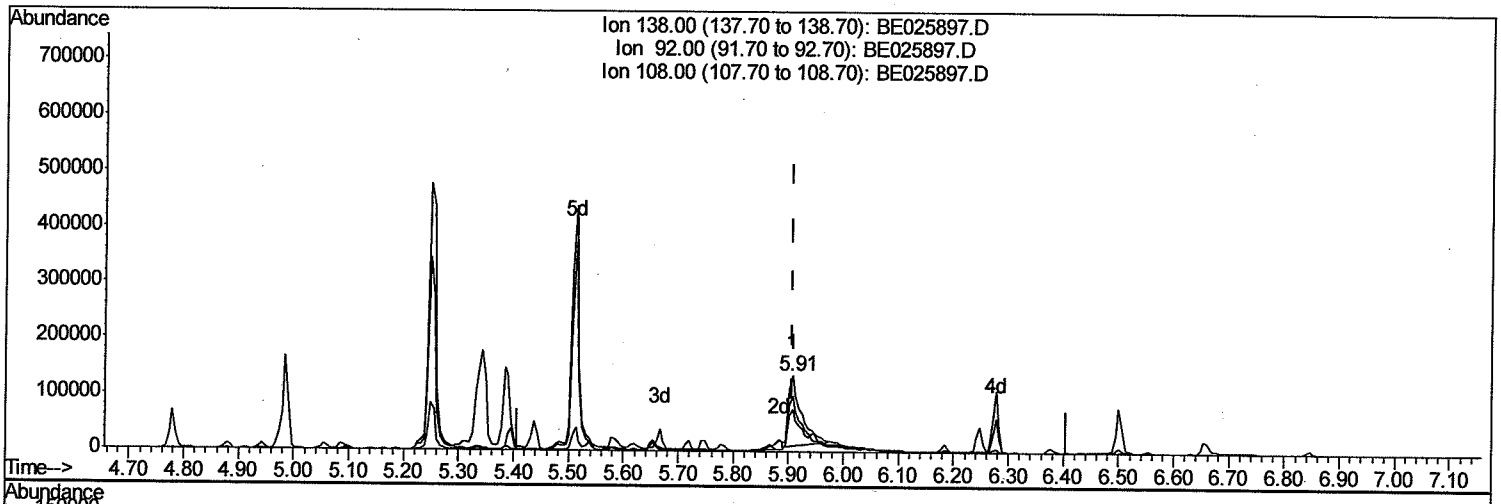
Quant Time: Oct 12 22:18:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

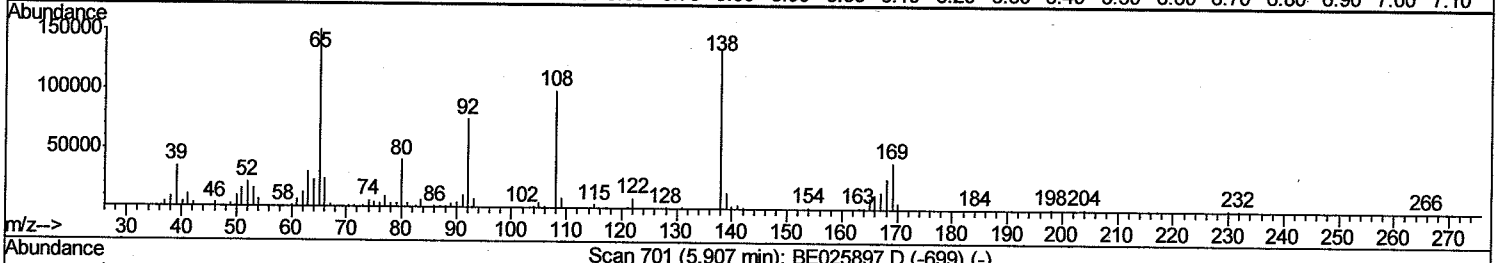


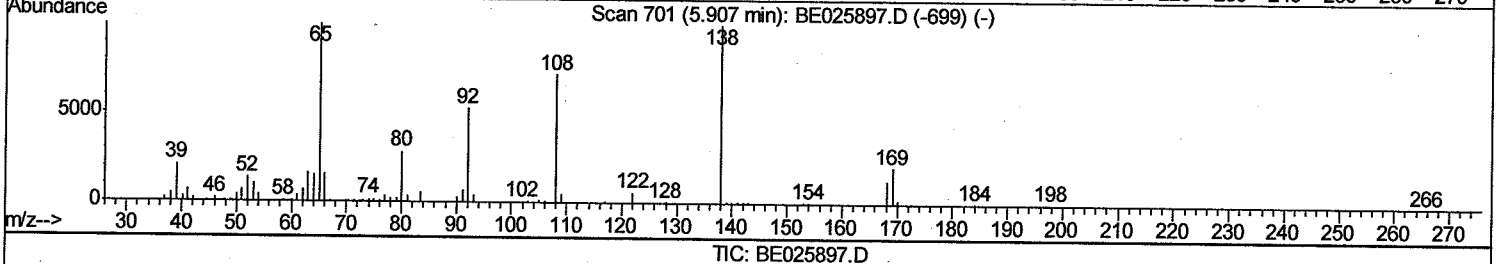
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025897.D
Acq On : 12 Oct 2005 8:26 pm
Operator : DHZ
Sample : 80 ng BNA ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 22:17:38 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025897.D

(60) 4-Nitroaniline

5.907min (0.000) 49.79ng

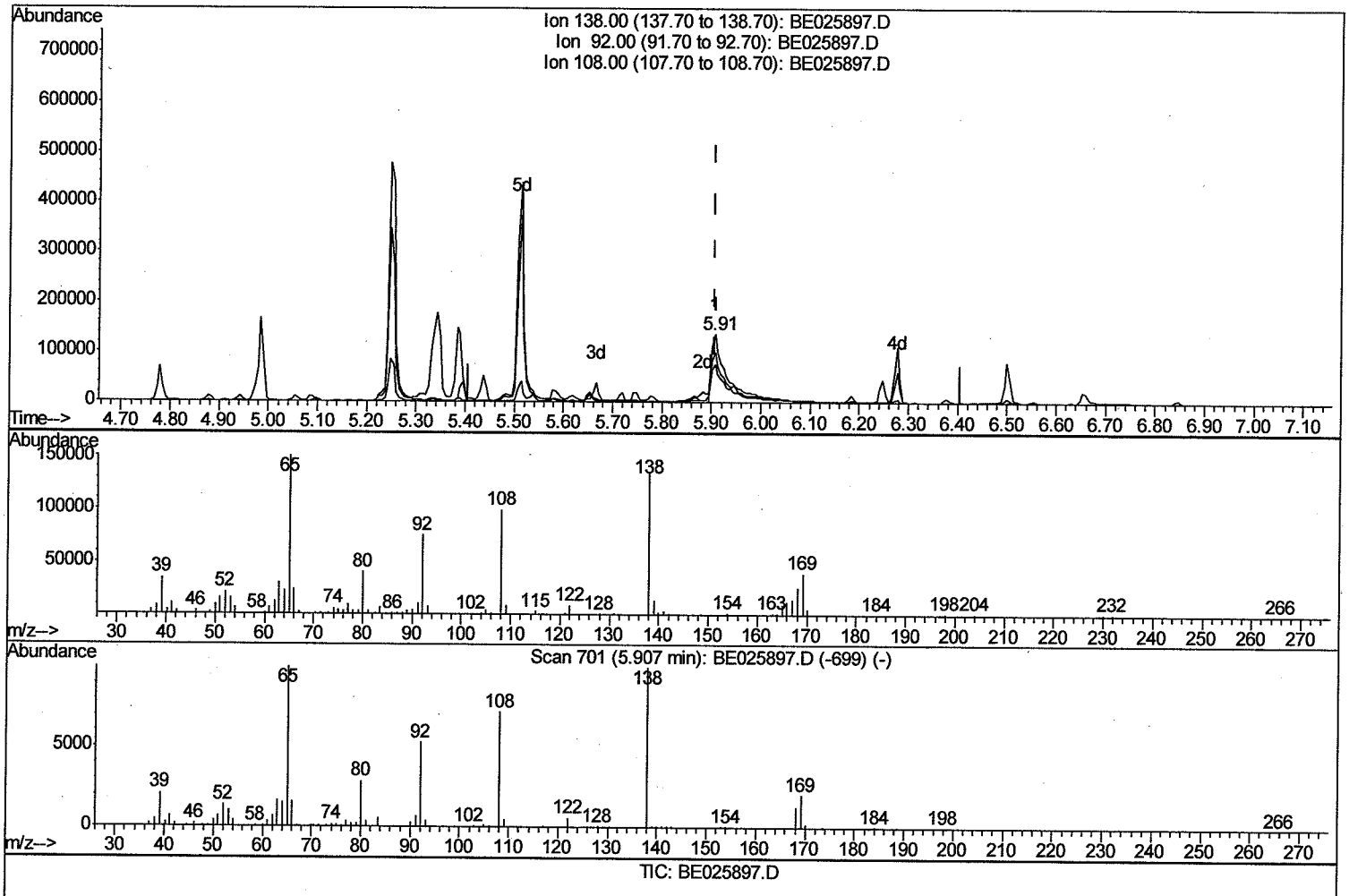
response 204701

Ion	Exp%	Act%
138.00	100	100
92.00	55.10	55.07
108.00	72.80	72.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025897.D
Acq On : 12 Oct 2005 8:26 pm
Operator : DHZ
Sample : 80 ng BNA ICC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 22:17:38 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



(60) 4-Nitroaniline

5.907min (0.000) 80.00ng m

response 328890

Ion	Exp%	Act%
138.00	100	100
92.00	55.10	55.07
108.00	72.80	72.83
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:22:24 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.67	152	229071	40.00 ng		0.00
22) Naphthalene-d8	4.44	136	889629	40.00 ng		0.00
39) Acenaphthene-d10	5.54	164	432103	40.00 ng		0.00
62) Phenanthrene-d10	6.50	188	707047	40.00 ng		0.00
74) Chrysene-d12	8.46	240	602508	40.00 ng		-0.02
85) Perylene-d12	10.20	264	740912	40.00 ng		-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	2.89	112	1392994	156.78 ng		0.00
6) Phenol-d5	3.45	99	1579854	144.20 ng		0.01
11) 2-Chlorophenol-d4	3.54	132	1215864	143.74 ng		0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	670011	134.34 ng		0.00
24) Nitrobenzene-d5	4.00	82	1334351	143.39 ng		0.00
41) 2,4,6-Tribromophenol	6.05	330	365094	167.85 ng		0.00
44) 2-Fluorobiphenyl	5.10	172	1473644	120.58 ng		0.00
77) Terphenyl-d14	7.59	244	1909975	128.11 ng		-0.02
Target Compounds						Qvalue
2) Pyridine	1.89	79	1977322	163.39 ng		97
3) n-Nitrosodimethylamine	1.88	42	633983	150.42 ng		88
5) Aniline	3.47	93	2250142	168.17 ng		98
7) 2-Chlorophenol	3.55	128	1265978	144.09 ng		97
8) Benzaldehyde	3.41	77	669889	122.68 ng		94
9) Phenol	3.46	94	1784642	138.96 ng		91
10) bis(2-Chloroethyl)ether	3.50	93	1265228	131.64 ng		97
12) 1,3-Dichlorobenzene	3.63	146	1265976	144.30 ng		96
13) 1,4-Dichlorobenzene	3.67	146	1244069	139.11 ng		95
15) 1,2-Dichlorobenzene	3.77	146	1052718	134.55 ng		98
16) Benzyl Alcohol	3.75	79	1154970	141.72 ng		96
17) 2,2'-oxybis(1-Chloropropan	3.81	45	1039810	136.41 ng		97
18) 2-Methylphenol	3.81	107	956196	134.74 ng		98
19) Hexachloroethane	3.97	117	594630	144.84 ng		98
20) n-Nitroso-di-n-propylamine	3.90	70	812460	137.85 ng		95
21) 3+4-Methylphenols	3.90	107	1044949	122.15 ng		97
23) Acetophenone	3.91	105	1518964	129.16 ng		94
25) Nitrobenzene	4.02	77	1351614	137.72 ng		94
26) Isophorone	4.16	82	2490557	148.10 ng		94
27) 2-Nitrophenol	4.21	139	688885	145.23 ng		92
28) 2,4-Dimethylphenol	4.22	122	1144101	143.44 ng		98
29) bis(2-Chloroethoxy)methane	4.27	93	1597499	141.84 ng		97
30) 2,4-Dichlorophenol	4.36	162	985502	147.01 ng		98
31) 1,2,4-Trichlorobenzene	4.41	180	991627	142.22 ng		98
32) Naphthalene	4.46	128	2513064	123.48 ng	#	89
33) Benzoic acid	4.33	122	585491	243.89 ng		96
34) 4-Chloroaniline	4.48	127	1447980	151.93 ng		96
35) Hexachlorobutadiene	4.52	225	530239	143.70 ng		96
36) Caprolactam	4.74	113	419892	161.82 ng		95
37) 4-Chloro-3-methylphenol	4.78	107	1101886	141.37 ng		99
38) 2-Methylnaphthalene	4.95	142	1865435	134.16 ng		97
40) Hexachlorocyclopentadiene	4.98	237	398488	207.82 ng		98

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:22:24 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

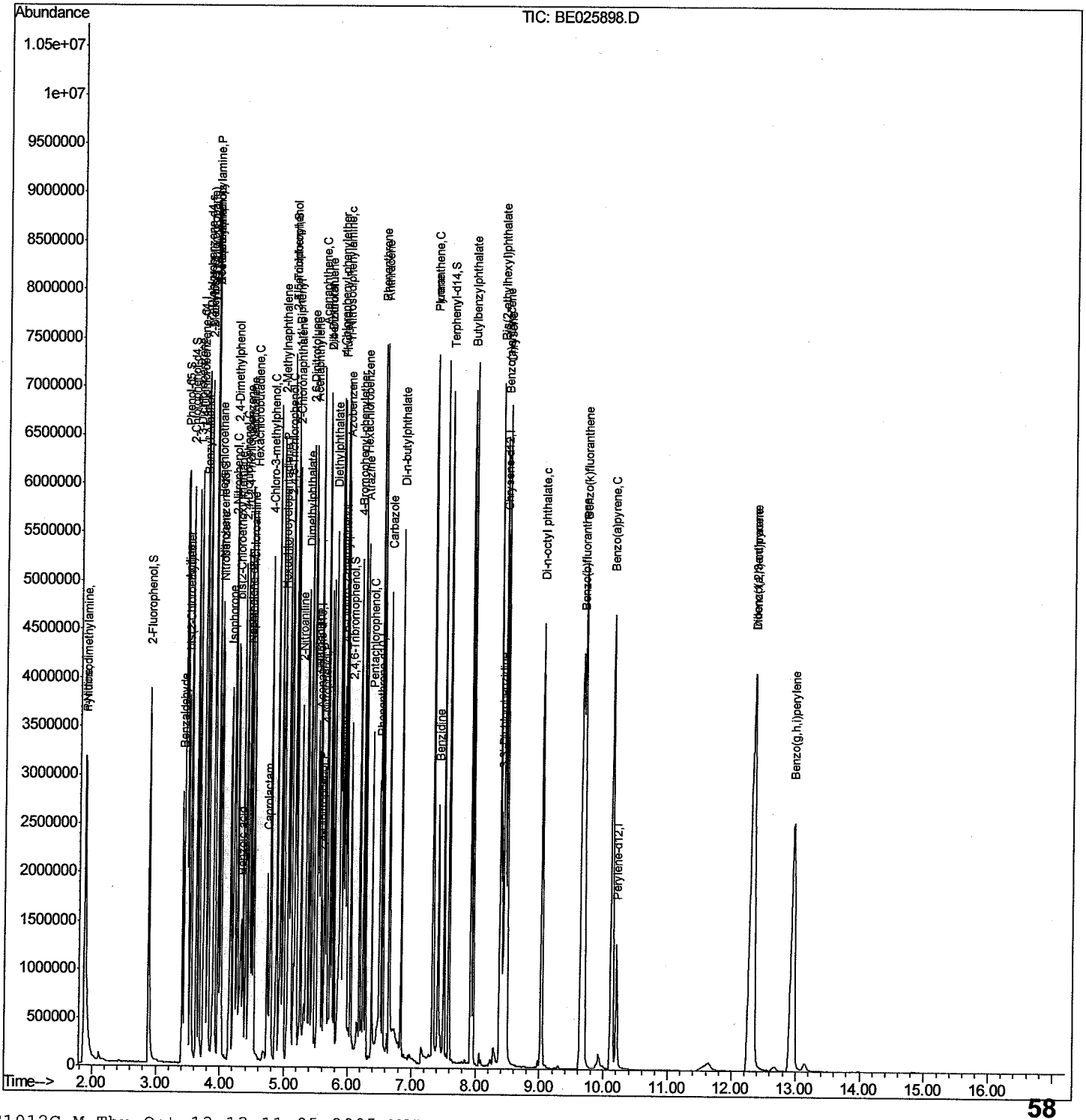
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	5.06	196	714046	185.76	ng		99
43) 2,4,5-Trichlorophenol	5.10	196	574402	147.63	ng		98
45) 1,1'-Biphenyl	5.17	154	2211037	146.73	ng		94
46) 2-Chloronaphthalene	5.19	162	1584803	134.37	ng		92
47) 2-Nitroaniline	5.25	65	683988	159.91	ng		93
48) Acenaphthylene	5.45	152	2541549m	142.49	ng		
49) Dimethylphthalate	5.35	163	1771709m	150.08	ng		
50) 2,6-Dinitrotoluene	5.40	165	490336	156.16	ng	#	86
51) Acenaphthene	5.57	154	1542909	127.71	ng		97
52) 3-Nitroaniline	5.52	138	542369	164.84	ng		93
53) 2,4-Dinitrophenol	5.59	184	209475	254.93	ng		89
54) Dibenzofuran	5.67	168	1859053	135.33	ng	#	89
55) 4-Nitrophenol	5.63	139	604364	259.70	ng		81
56) 2,4-Dinitrotoluene	5.66	165	611427	155.56	ng		96
57) Fluorene	5.89	166	1690074	139.25	ng		97
58) Diethylphthalate	5.79	149	1625149m	142.52	ng		
59) 4-Chlorophenyl-phenylether	5.87	204	863519	147.12	ng		96
60) 4-Nitroaniline	5.91	138	624306m	169.05	ng		
61) Azobenzene	5.98	77	1724687	129.18	ng		86
63) 4,6-Dinitro-2-methylphenol	5.93	198	402064	173.99	ng		86
64) n-Nitrosodiphenylamine	5.95	169	1433163	127.41	ng		95
65) 4-Bromophenyl-phenylether	6.19	248	629397m	155.77	ng		
66) Hexachlorobenzene	6.25	284	644881	143.82	ng		99
67) Atrazine	6.28	200	546257	139.31	ng		98
68) Pentachlorophenol	6.38	266	364260	195.50	ng		98
69) Phenanthrene	6.52	178	2305002	121.02	ng	#	88
70) Anthracene	6.55	178	2128928	116.09	ng	#	87
71) Carbazole	6.65	167	2753122m	155.30	ng		
72) Di-n-butylphthalate	6.84	149	2379103m	118.94	ng		
73) Fluoranthene	7.34	202	2339384	118.75	ng		89
75) Benzidine	7.42	184	1004619	146.53	ng		99
76) Pyrene	7.34	202	2471693m	121.85	ng		
78) Butylbenzylphthalate	7.93	149	1528483	136.04	ng		95
79) Benzo(a)anthracene	8.45	228	2915854	141.37	ng		92
80) 3,3'-Dichlorobenzidine	8.41	252	755981	161.41	ng		96
81) Chrysene	8.49	228	2432134m	124.13	ng		
82) Bis(2-ethylhexyl)phthalate	8.38	149	1948638	131.03	ng	#	93
83) Di-n-octyl phthalate	9.04	149	3474913	132.19	ng		99
84) Indeno(1,2,3-cd)pyrene	12.35	276	4400199	157.94	ng	#	78
86) Benzo(b)fluoranthene	9.66	252	3793653	153.63	ng		96
87) Benzo(k)fluoranthene	9.70	252	2842920m	122.75	ng		
88) Benzo(a)pyrene	10.14	252	3423180	145.41	ng		94
89) Dibenzo(a,h)anthracene	12.36	278	3651592	150.68	ng		98
90) Benzo(g,h,i)perylene	12.97	276	3712364	152.31	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

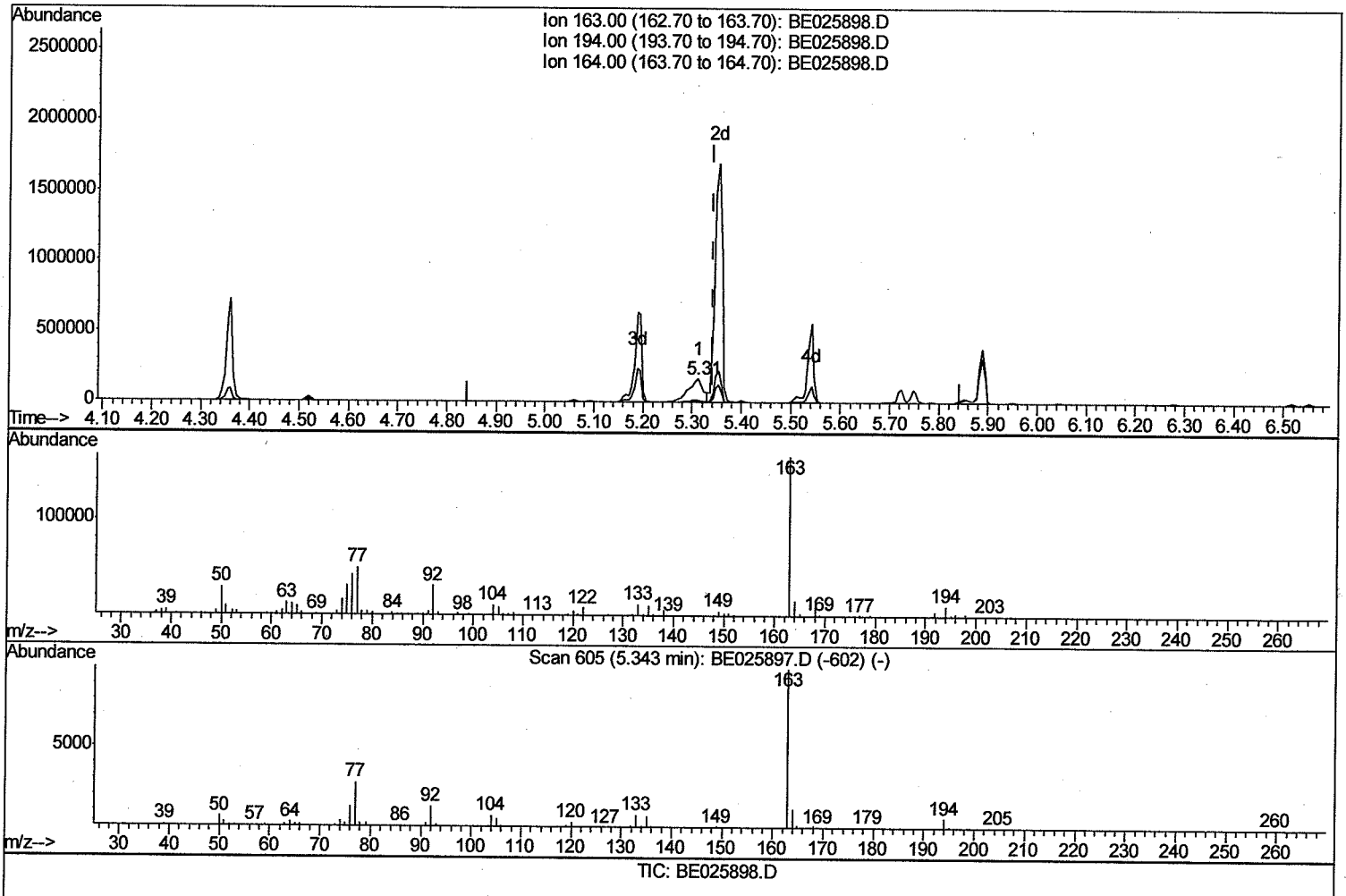
Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:22:24 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(49) Dimethylphthalate

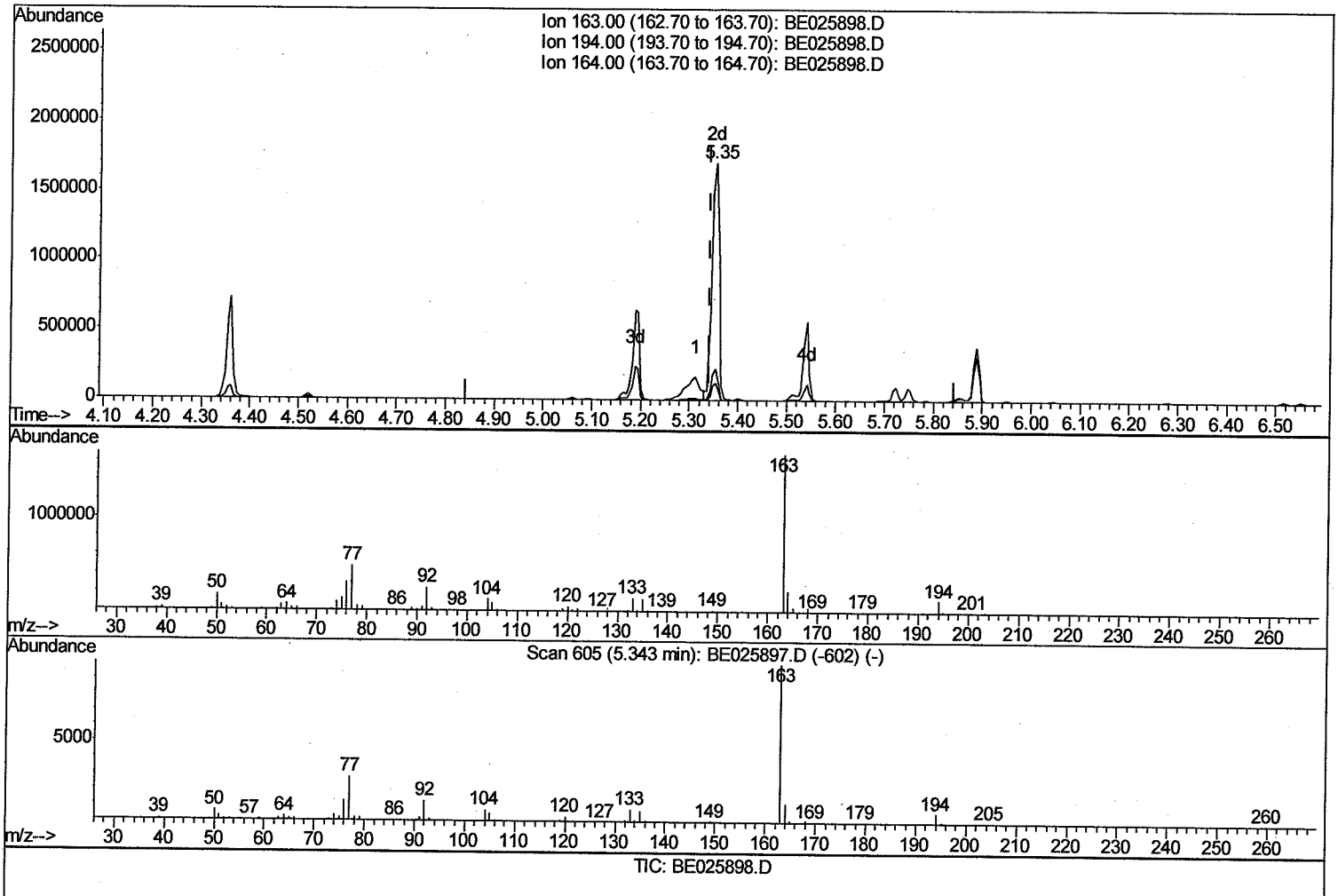
5.312min (-0.030) 29.63ng

response 349759

Ion	Exp%	Act%
163.00	100	100
194.00	6.00	6.59
164.00	11.80	10.11
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(49) Dimethylphthalate

5.354min (+0.011) 150.08ng m

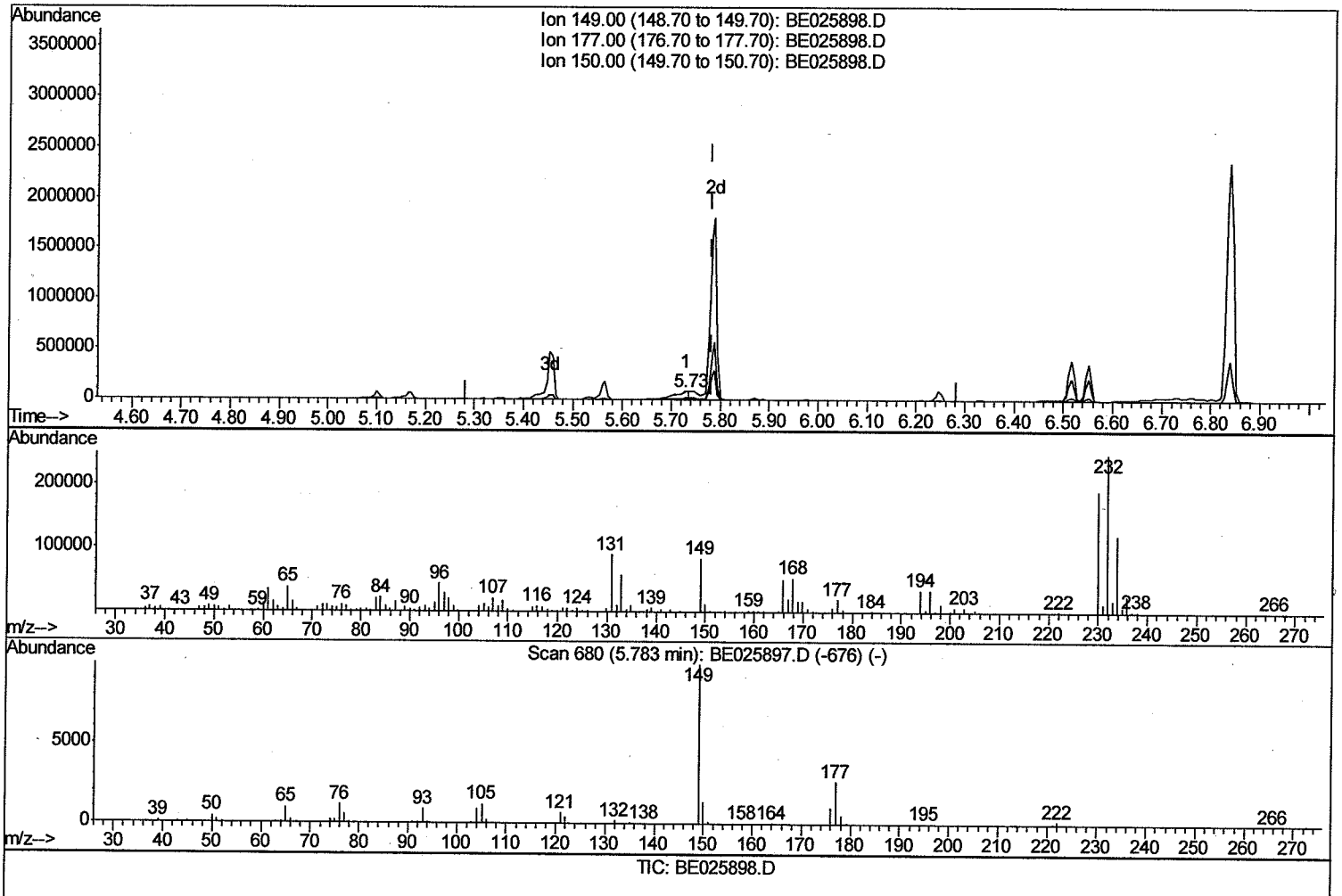
response 1771709

Ion	Exp%	Act%
163.00	100	100
194.00	6.00	7.34#
164.00	11.80	13.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(58) Diethylphthalate

5.730min (-0.054) 13.40ng

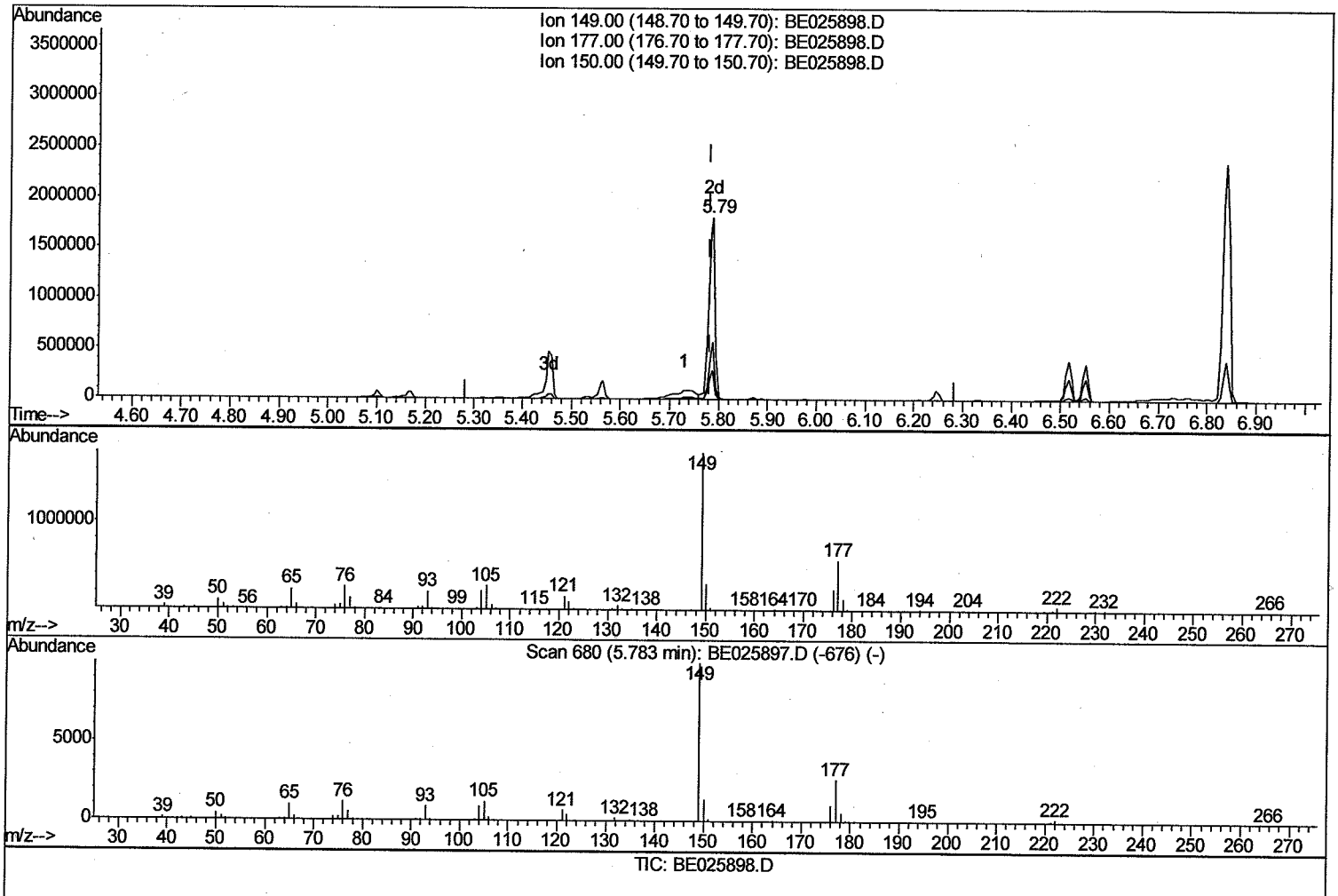
response 152855

Ion	Exp%	Act%
149.00	100	100
177.00	26.60	24.11
150.00	13.40	13.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(58) Diethylphthalate

5.788min (+0.005) 142.52ng m

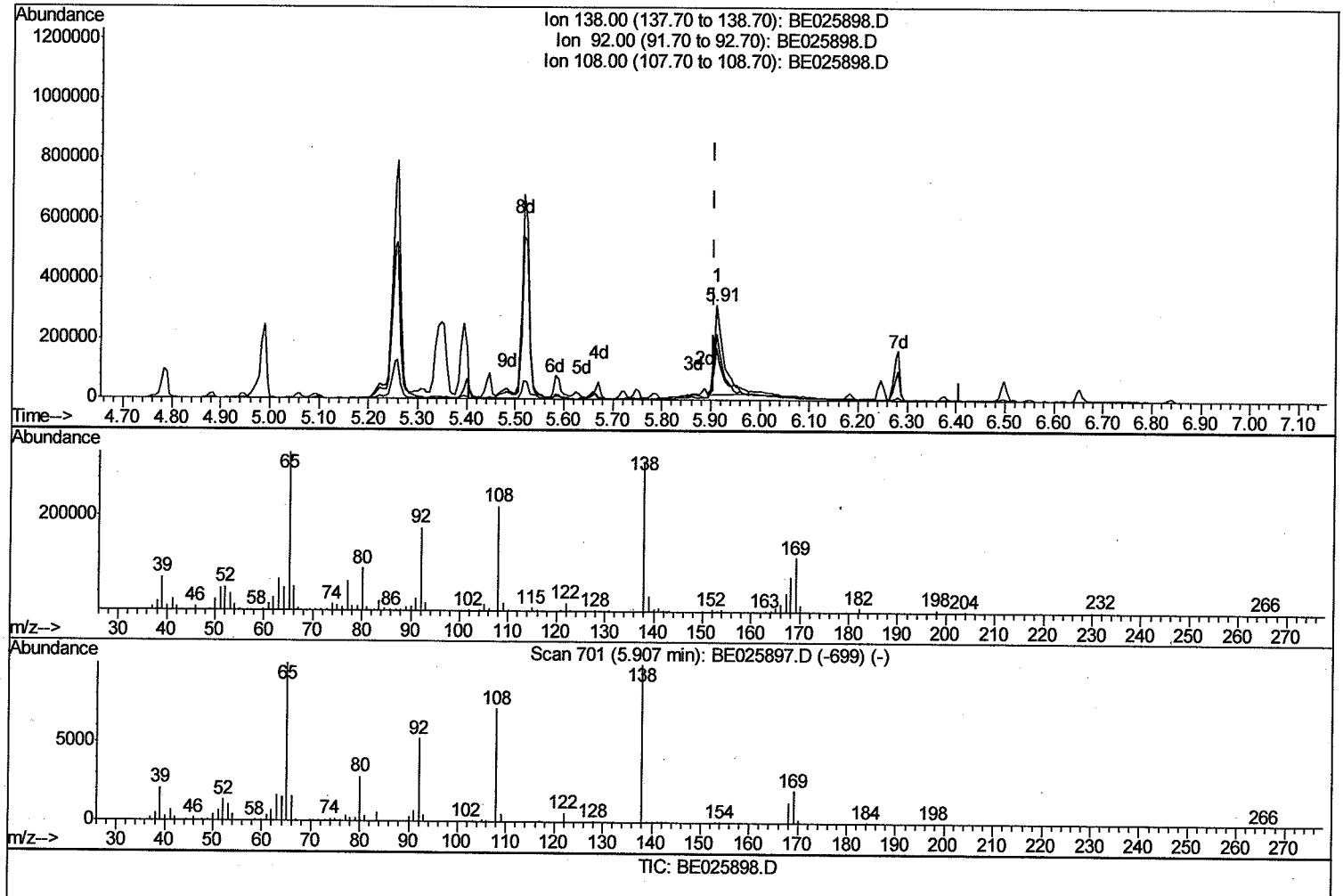
response 1625149

Ion	Exp%	Act%
149.00	100	100
177.00	26.60	31.69
150.00	13.40	16.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(60) 4-Nitroaniline

5.912min (+0.005) 109.21ng

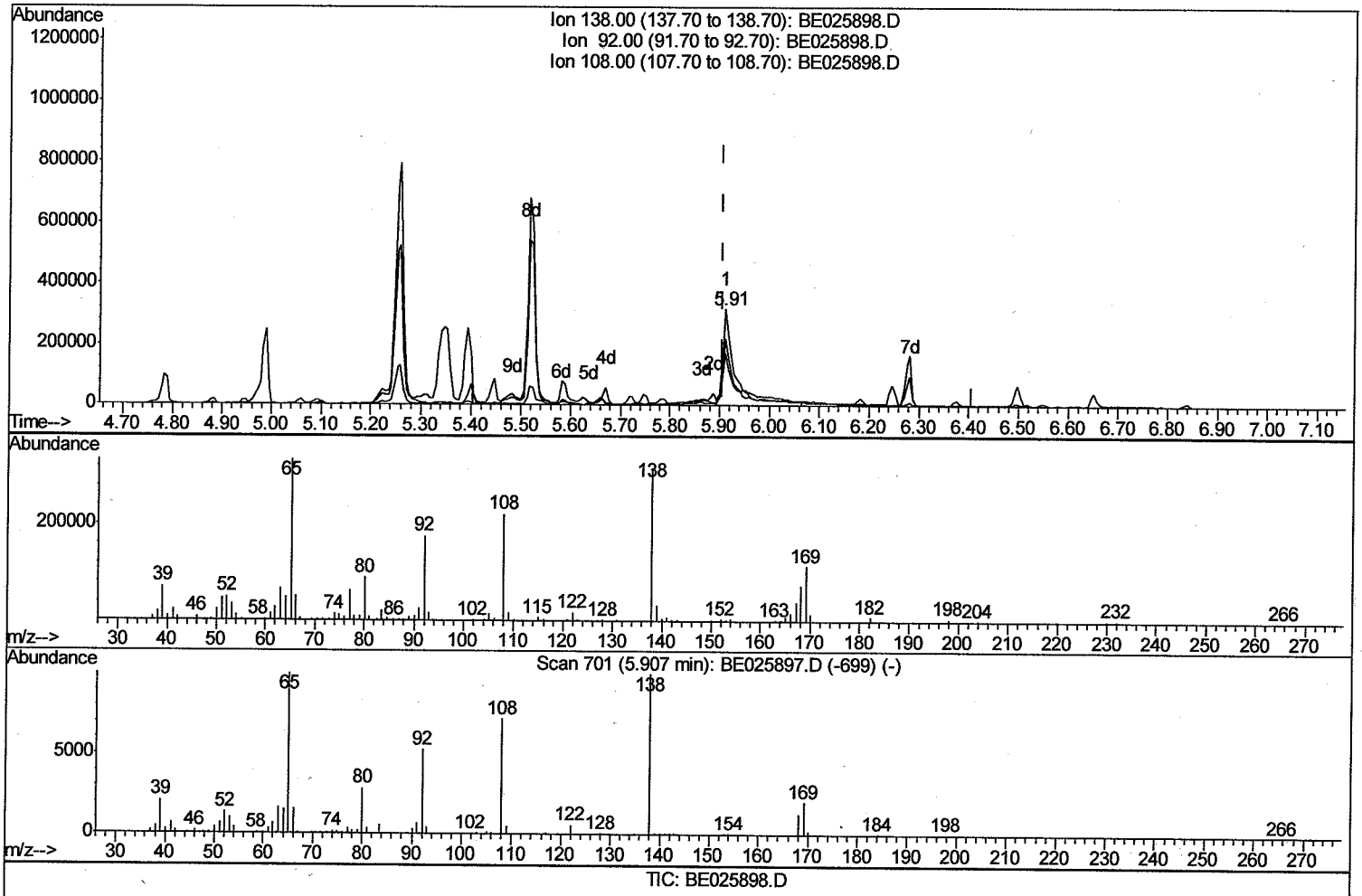
response 403300

Ion	Exp%	Act%
138.00	100	100
92.00	55.10	55.31
108.00	72.80	69.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(60) 4-Nitroaniline

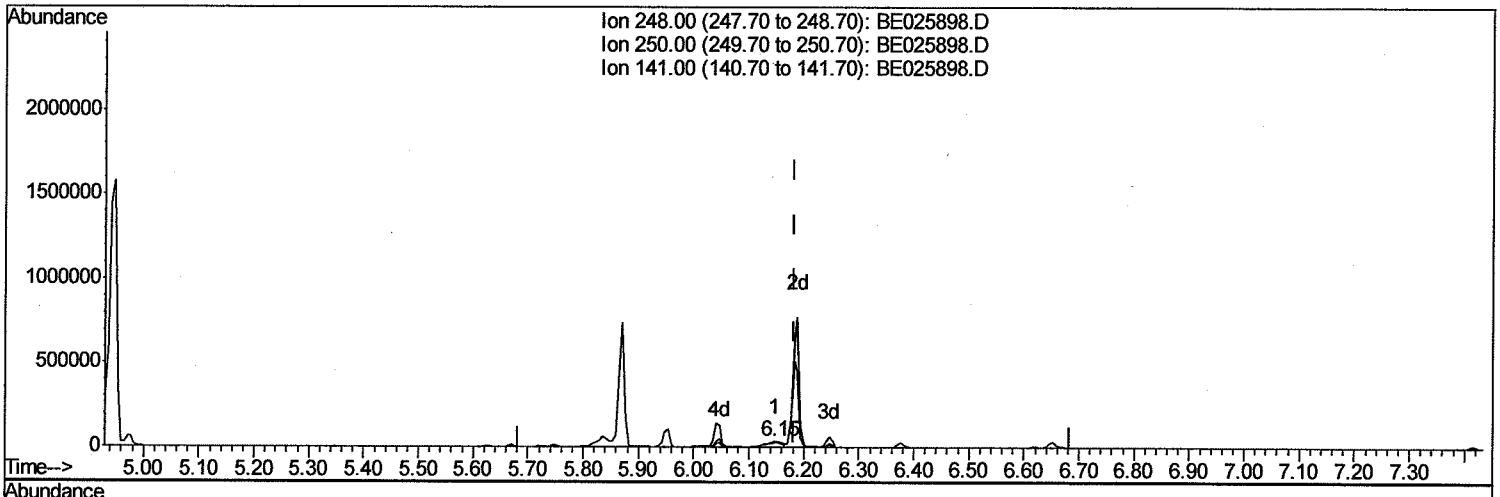
5.912min (+0.005) 169.05ng m

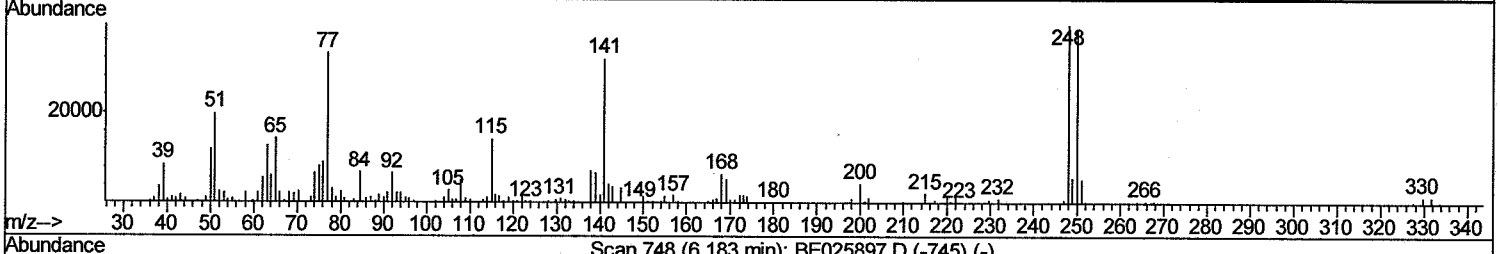
response 624306

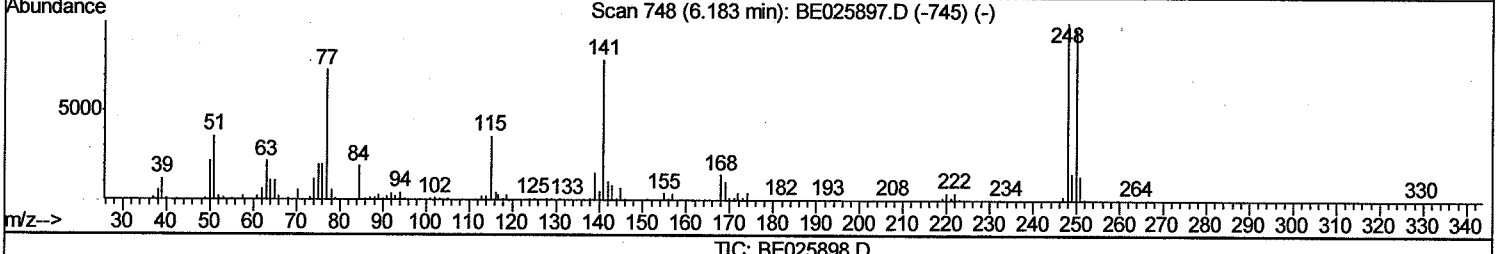
Ion	Exp%	Act%
138.00	100	100
92.00	55.10	55.31
108.00	72.80	69.61
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025898.D

(65) 4-Bromophenyl-phenylether

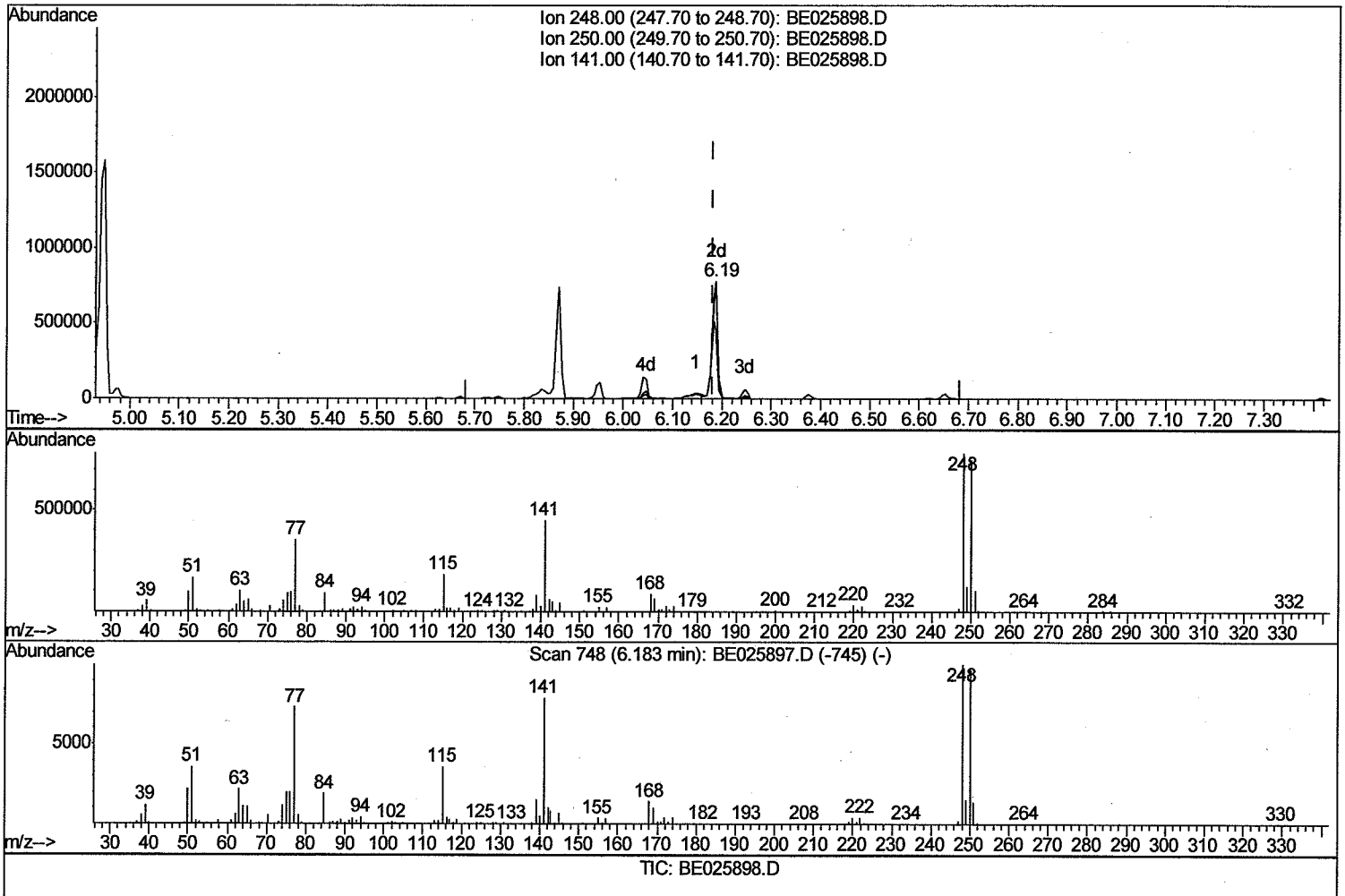
6.147min (-0.036) 18.55ng

response 74937

Ion	Exp%	Act%
248.00	100	100
250.00	96.50	97.53
141.00	79.10	81.24
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(65) 4-Bromophenyl-phenylether

6.188min (+0.005) 155.77ng m

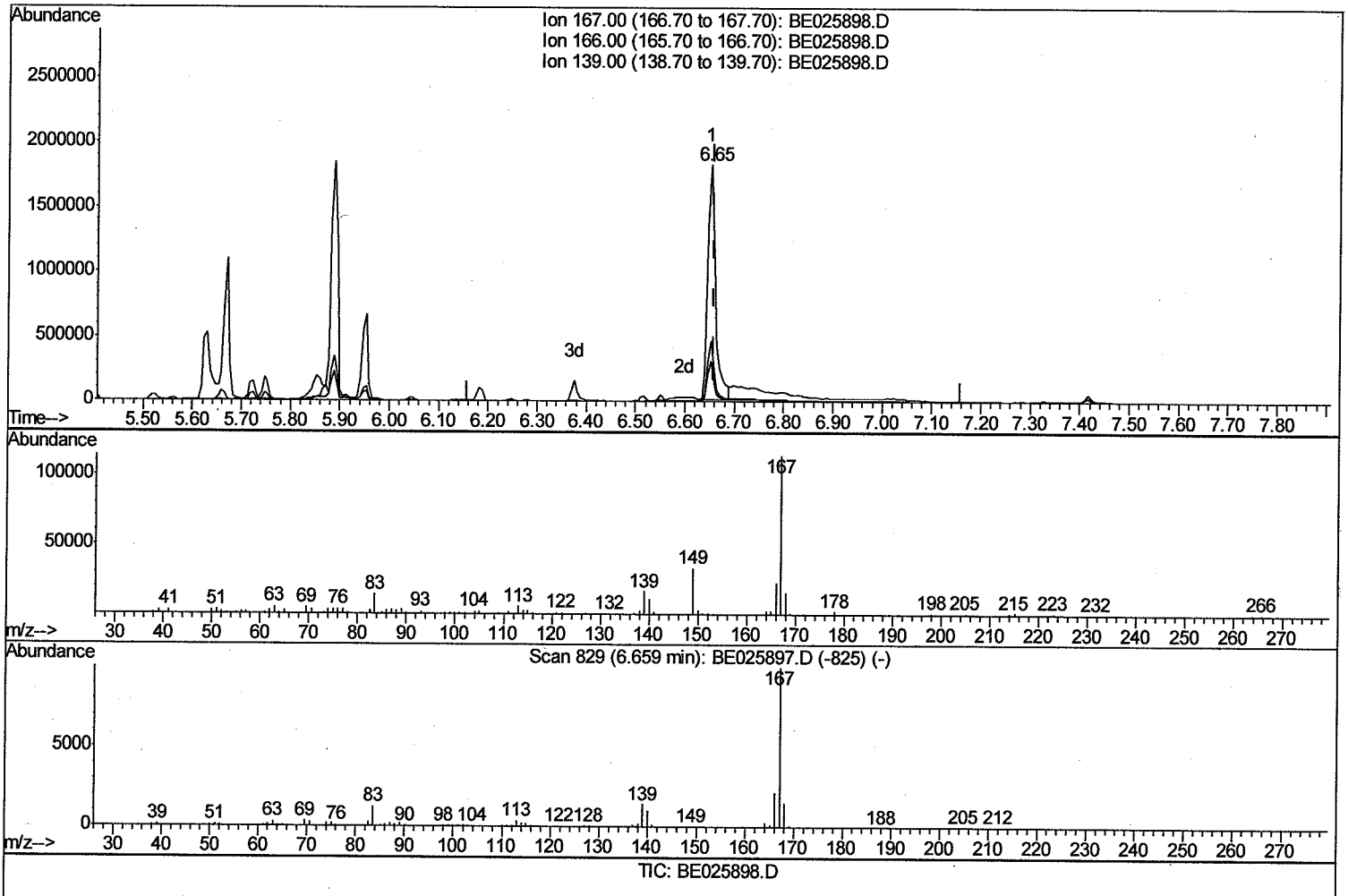
response 629397

Ion	Exp%	Act%
248.00	100	100
250.00	96.50	96.00
141.00	79.10	57.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(71) Carbazole

6.652min (-0.007) 106.95ng

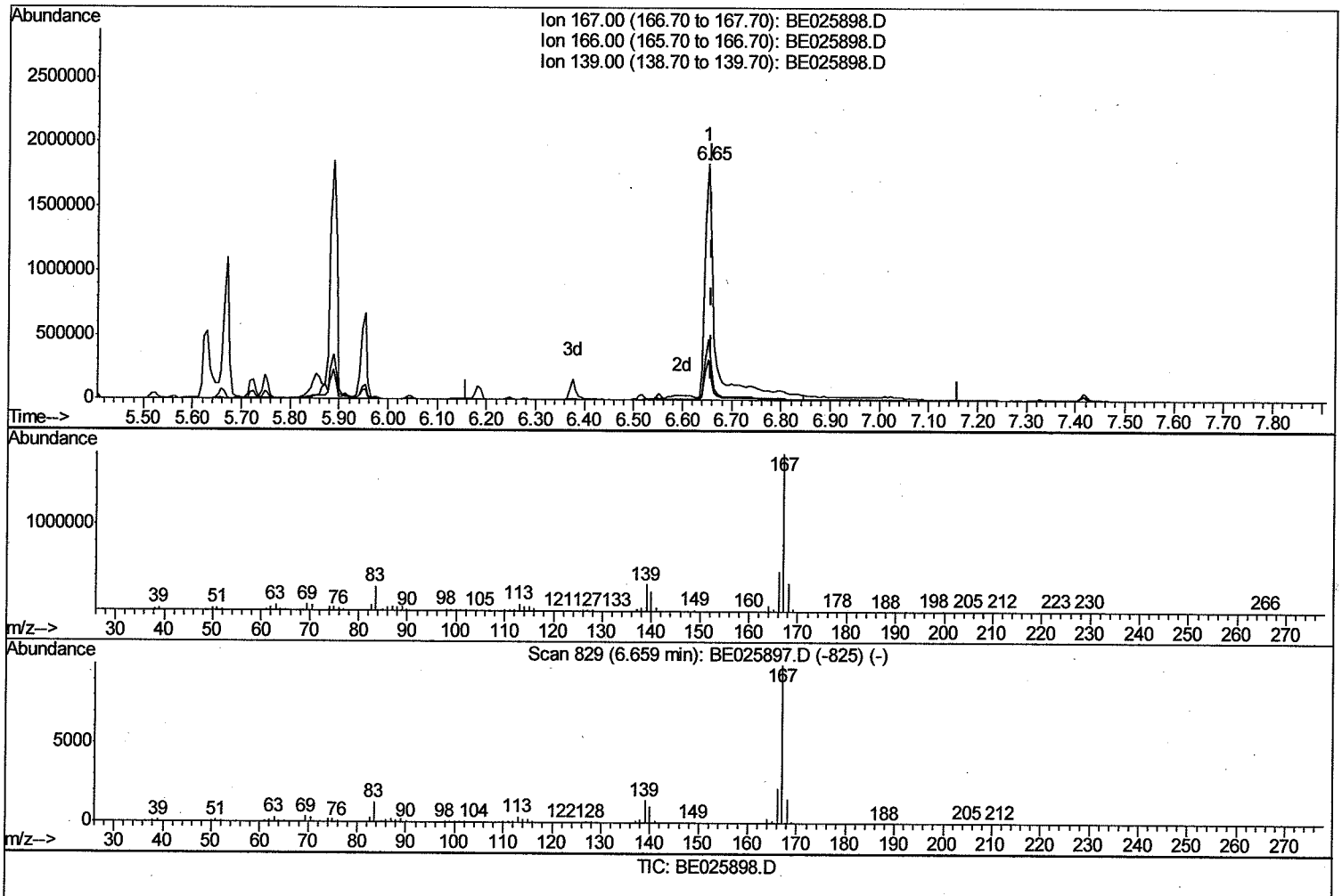
response 1896024

Ion	Exp%	Act%
167.00	100	100
166.00	22.00	25.68
139.00	14.20	16.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(71) Carbazole

6.652min (-0.007) 155.30ng m

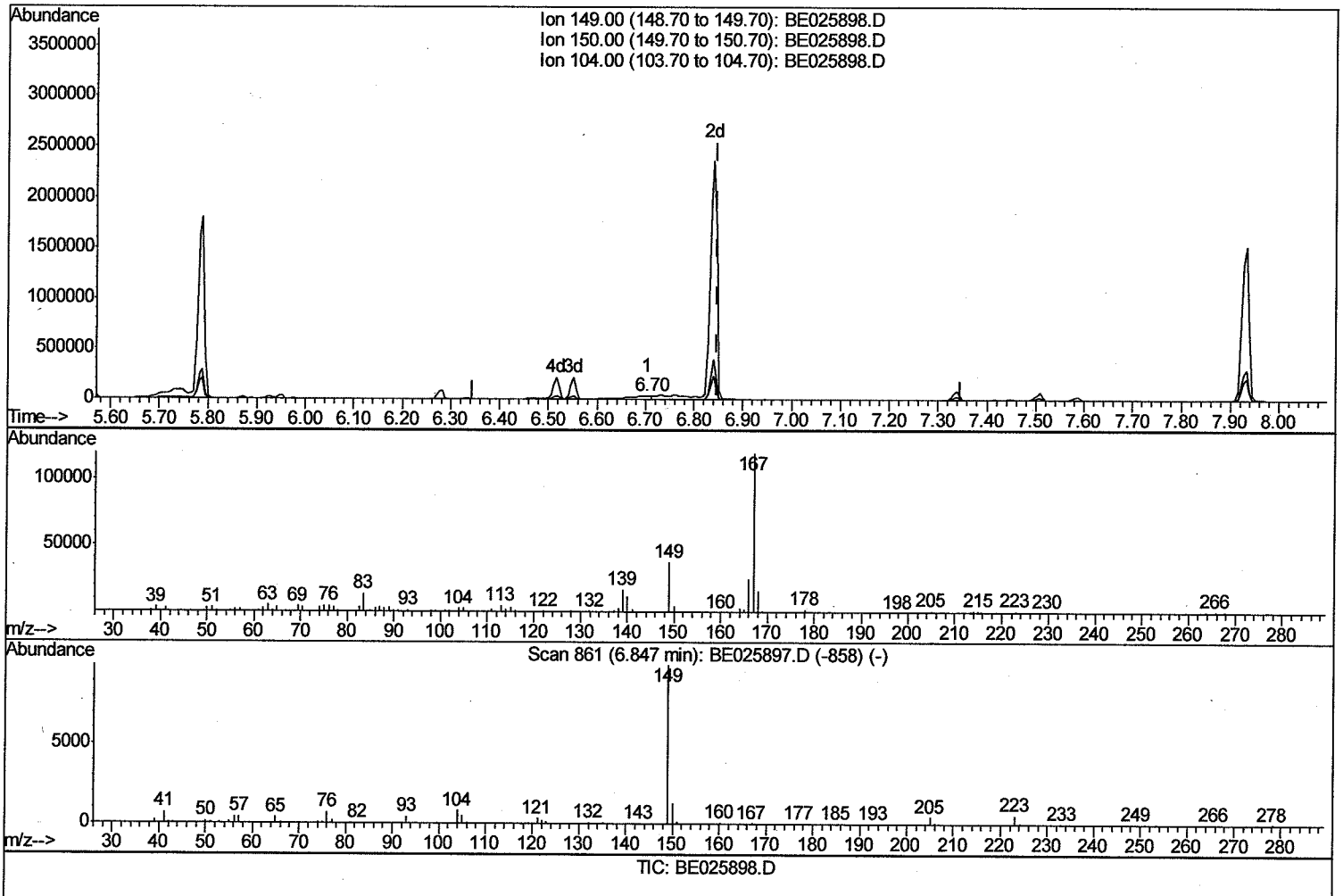
response 2753122

Ion	Exp%	Act%
167.00	100	100
166.00	22.00	25.68
139.00	14.20	16.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(72) Di-n-butylphthalate

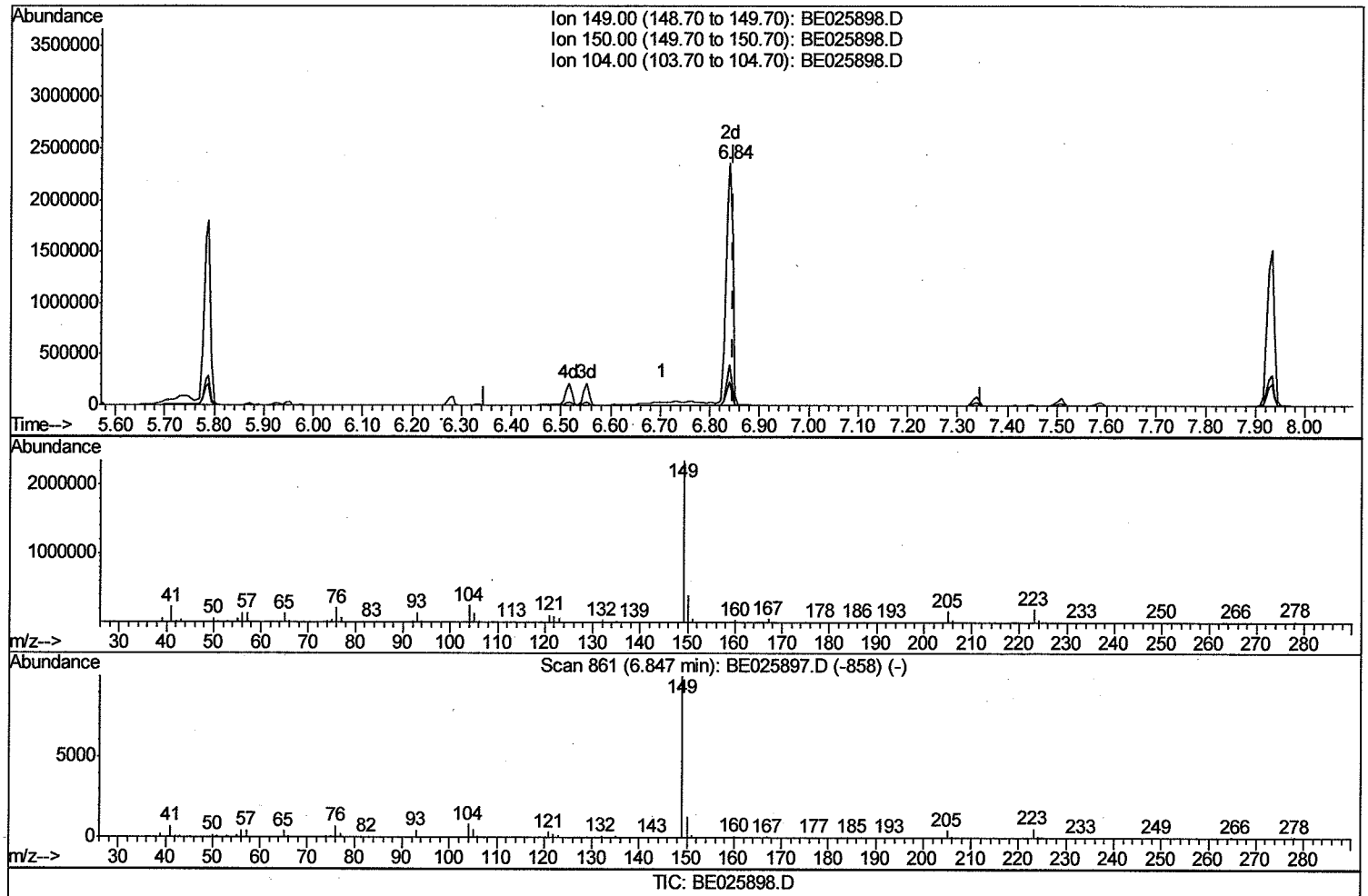
6.705min (-0.142) 5.71ng

response 114289

Ion	Exp%	Act%
149.00	100	100
150.00	12.80	10.83
104.00	8.00	6.78
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(72) Di-n-butylphthalate

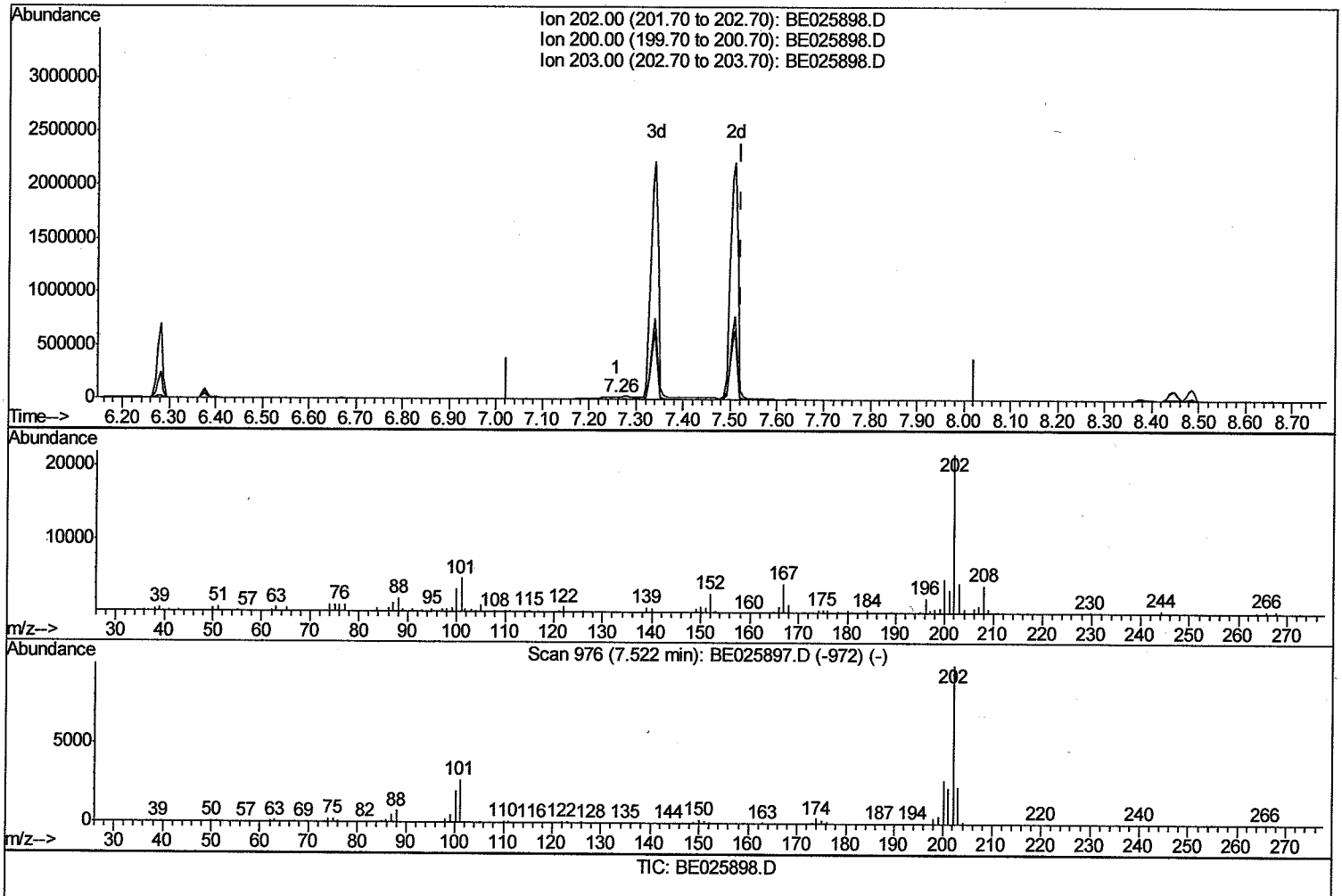
6.840min (-0.007) 118.94ng m

response 2379103

Ion	Exp%	Act%
149.00	100	100
150.00	12.80	16.62#
104.00	8.00	10.18#
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(76) Pyrene

7.257min (-0.265) 3.46ng

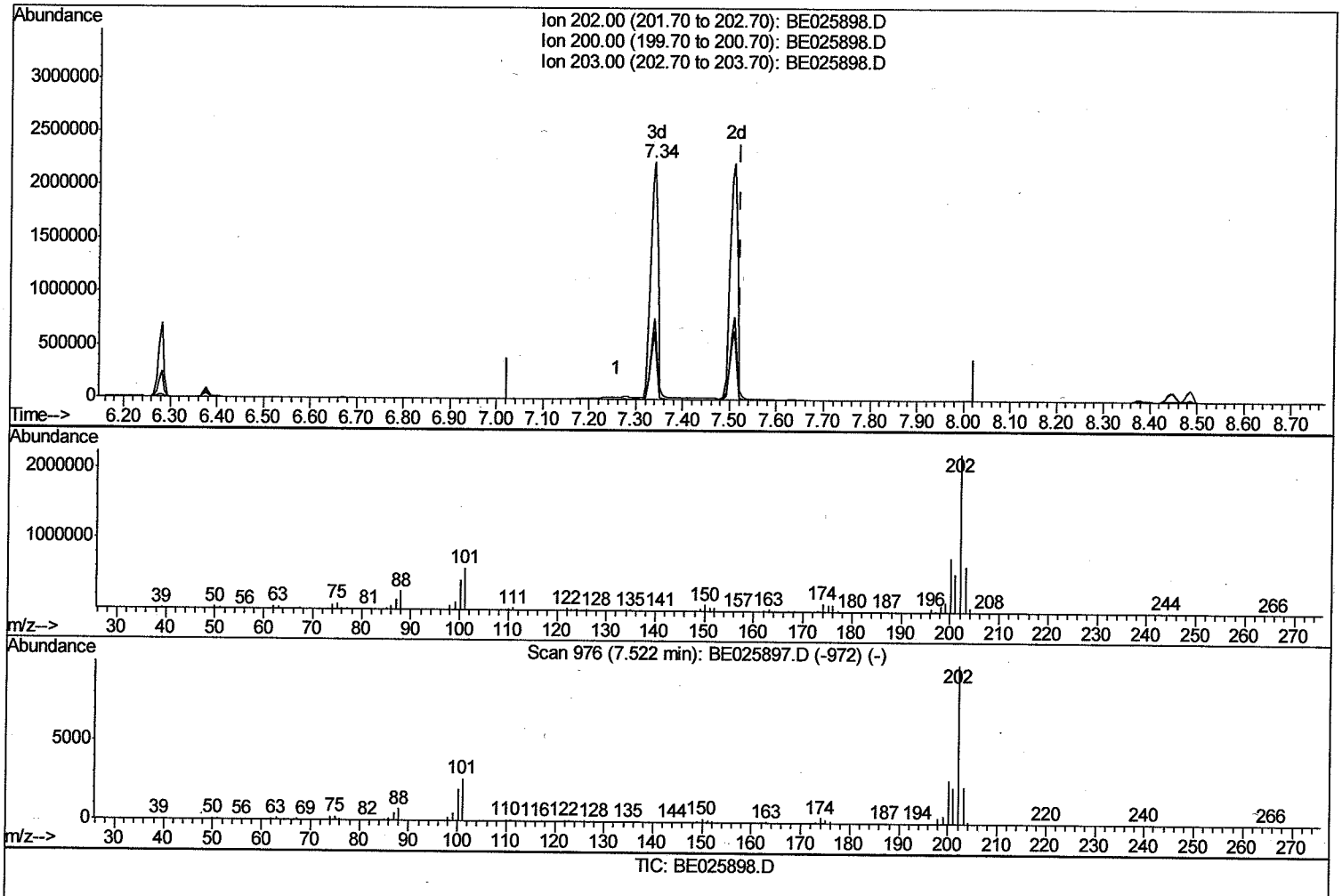
response 70275

Ion	Exp%	Act%
202.00	100	100
200.00	27.30	22.19
203.00	23.30	19.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(76) Pyrene

7.339min (-0.183) 121.85ng m

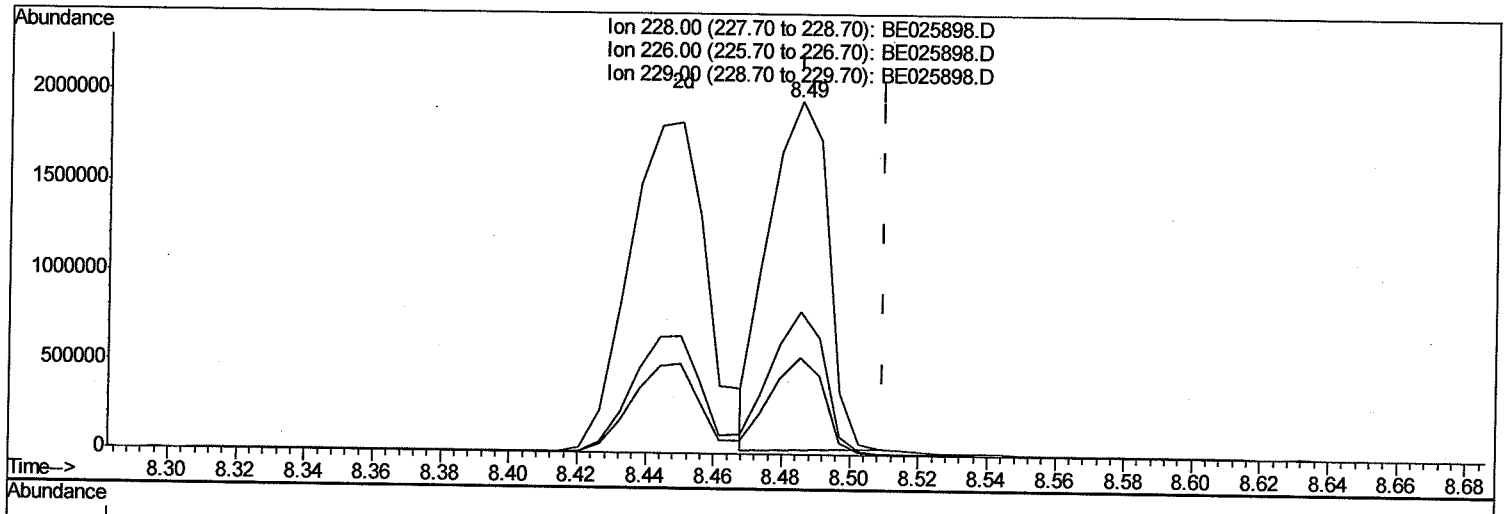
response 2471693

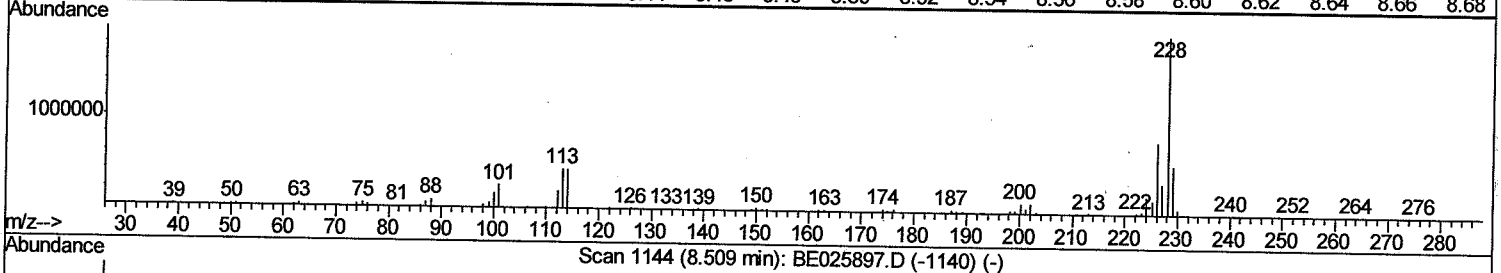
Ion	Exp%	Act%
202.00	100	100
200.00	27.30	33.95#
203.00	23.30	28.50#
0.00	0.00	0.00

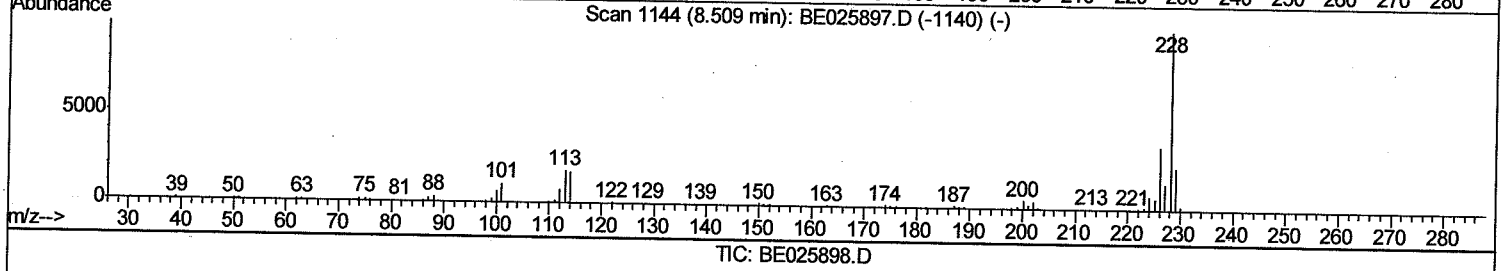
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025898.D

(81) Chrysene

8.485min (-0.024) 119.99ng

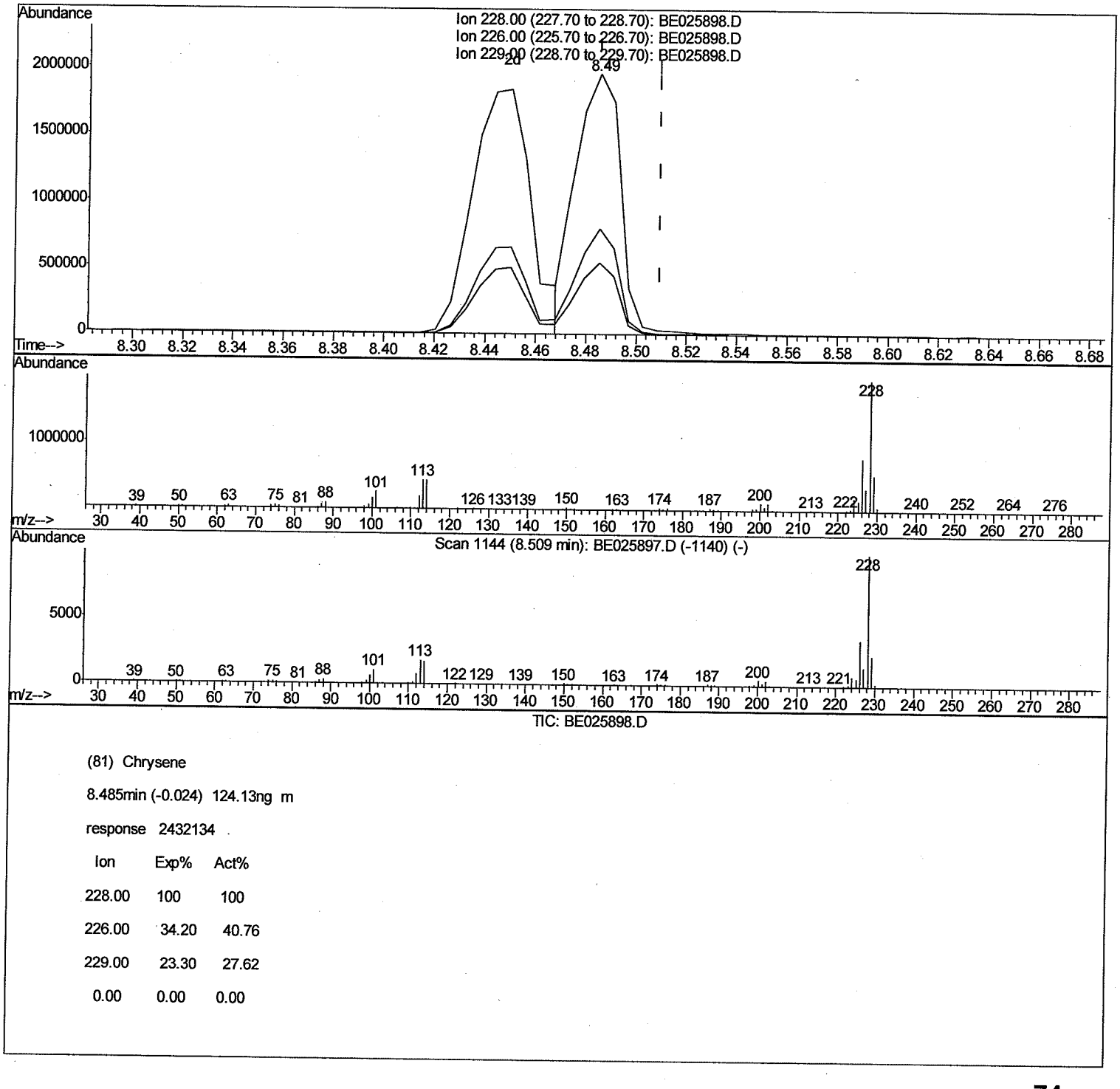
response 2350959

Ion	Exp%	Act%
228.00	100	100
226.00	34.20	40.76
229.00	23.30	27.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(81) Chrysene

8.485min (-0.024) 124.13ng m

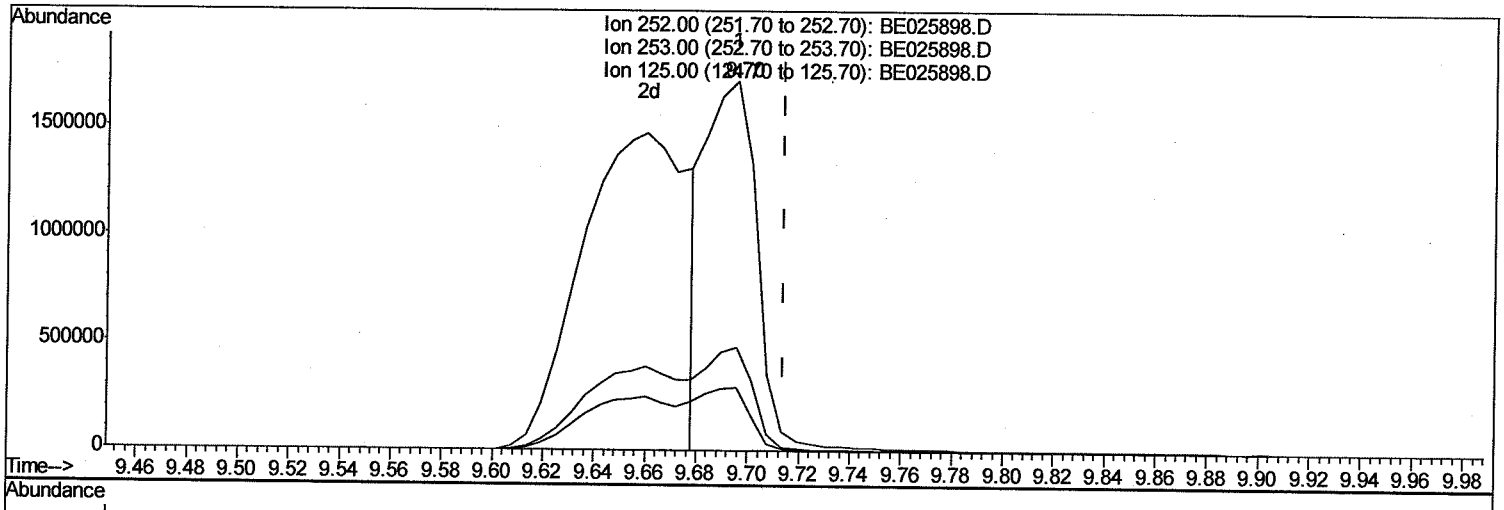
response 2432134

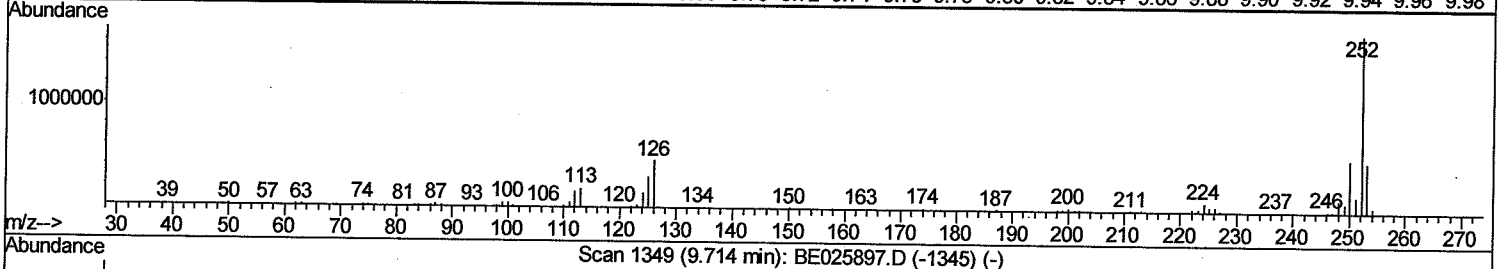
Ion	Exp%	Act%
228.00	100	100
226.00	34.20	40.76
229.00	23.30	27.62
0.00	0.00	0.00

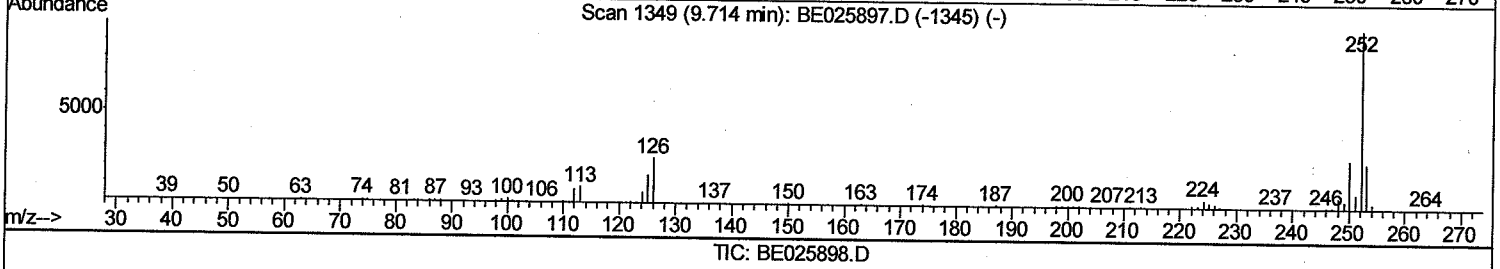
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025898.D

(87) Benzo(k)fluoranthene

9.695min (-0.018) 102.99ng

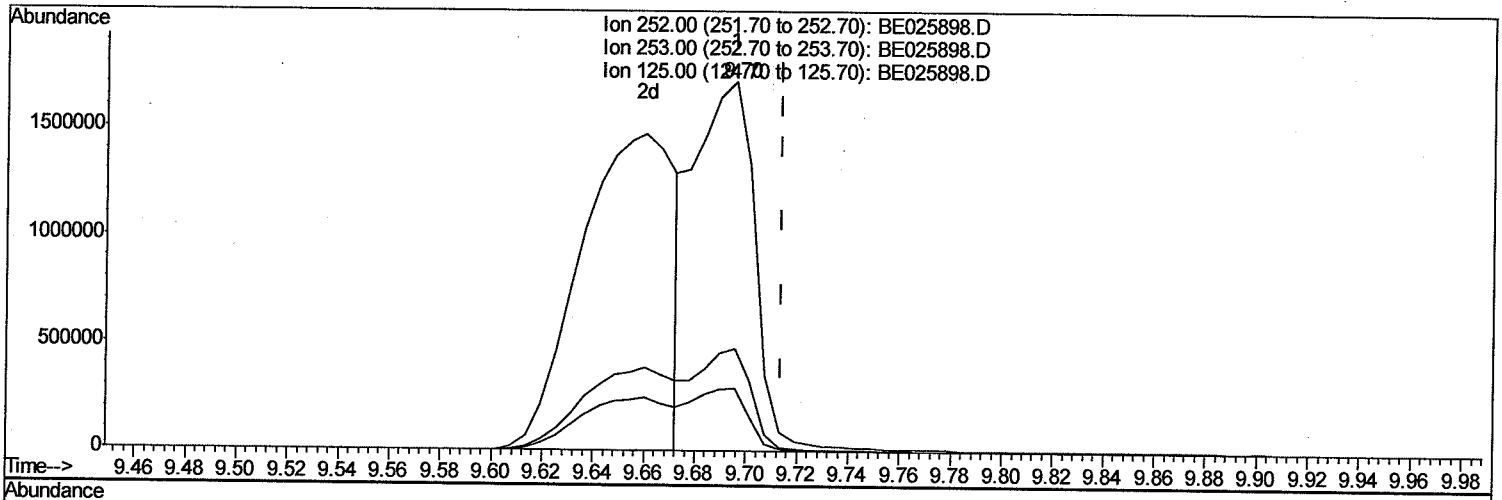
response 2385306

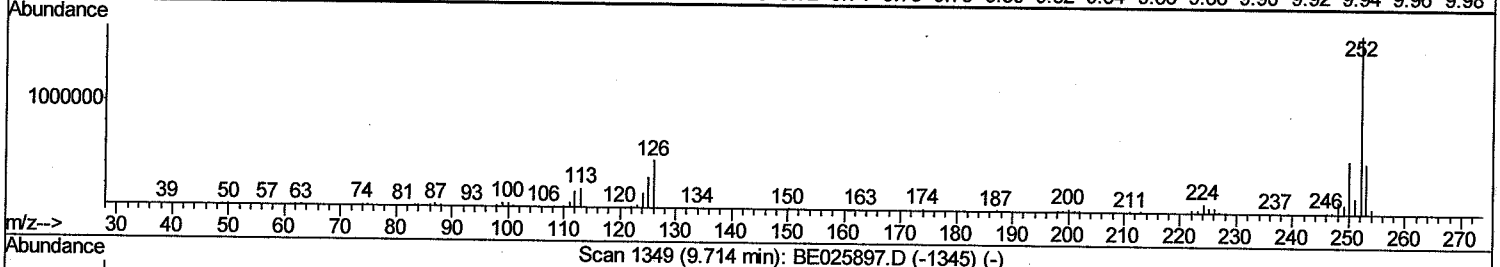
Ion	Exp%	Act%
252.00	100	100
253.00	23.80	28.11
125.00	14.70	17.09
0.00	0.00	0.00

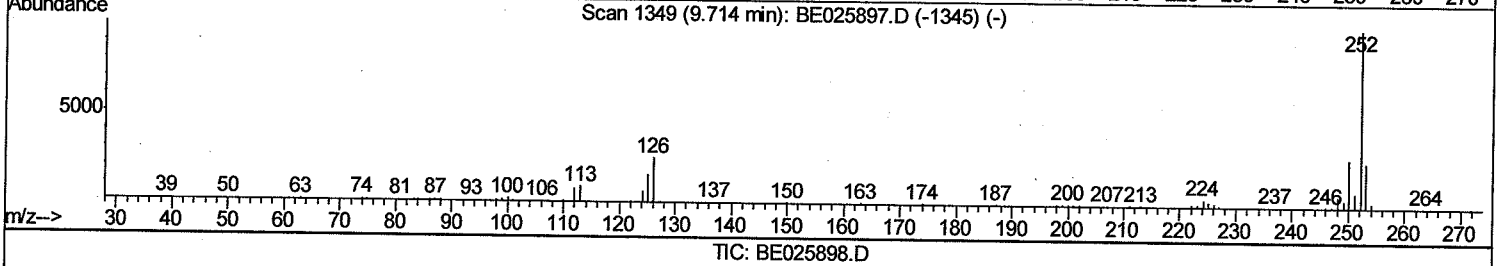
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025898.D

(87) Benzo(k)fluoranthene

9.695min (-0.018) 122.75ng m

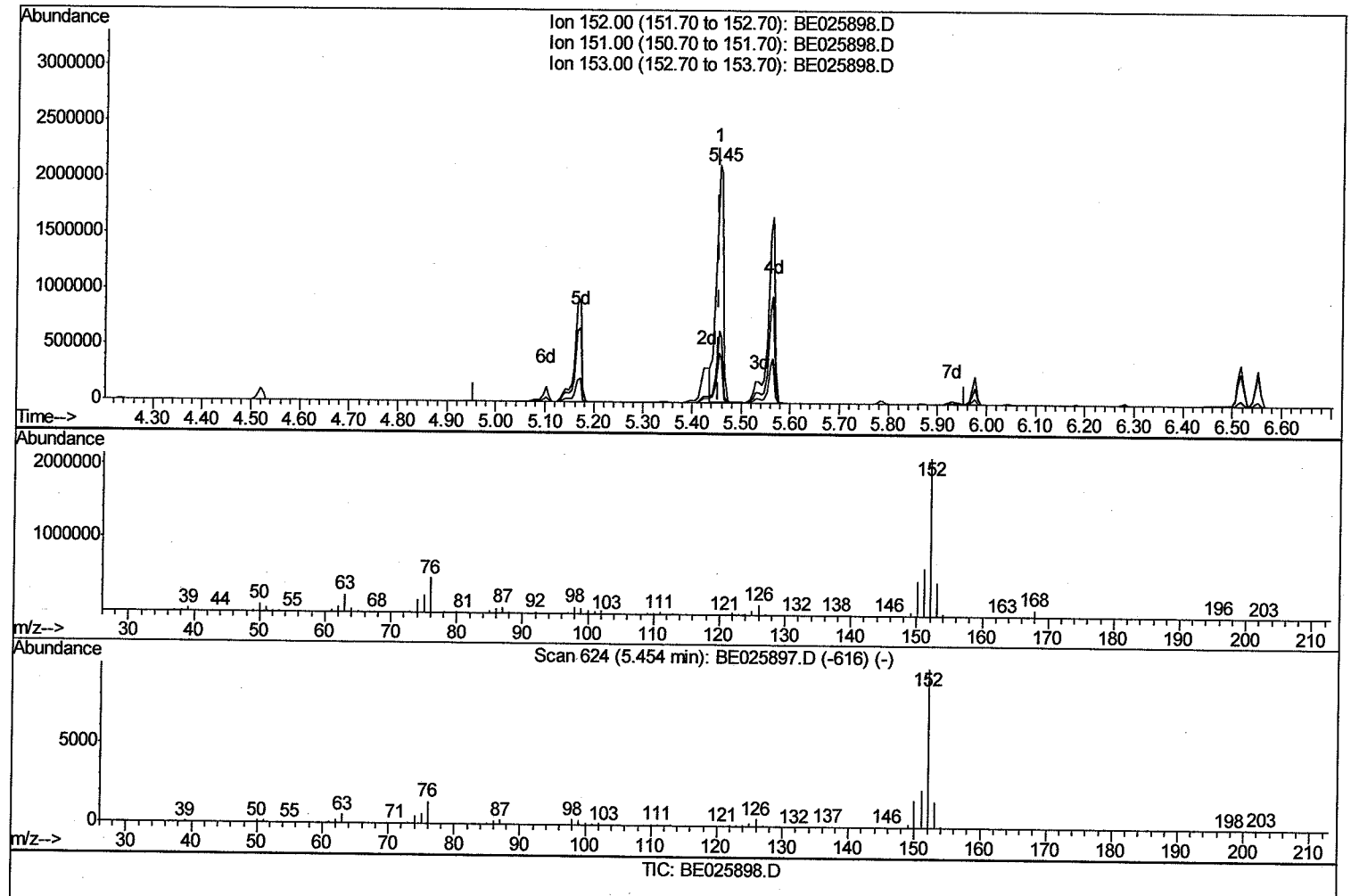
response 2842920

Ion	Exp%	Act%
252.00	100	100
253.00	23.80	28.11
125.00	14.70	17.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(48) Acenaphthylene

5.453min (-0.001) 116.85ng

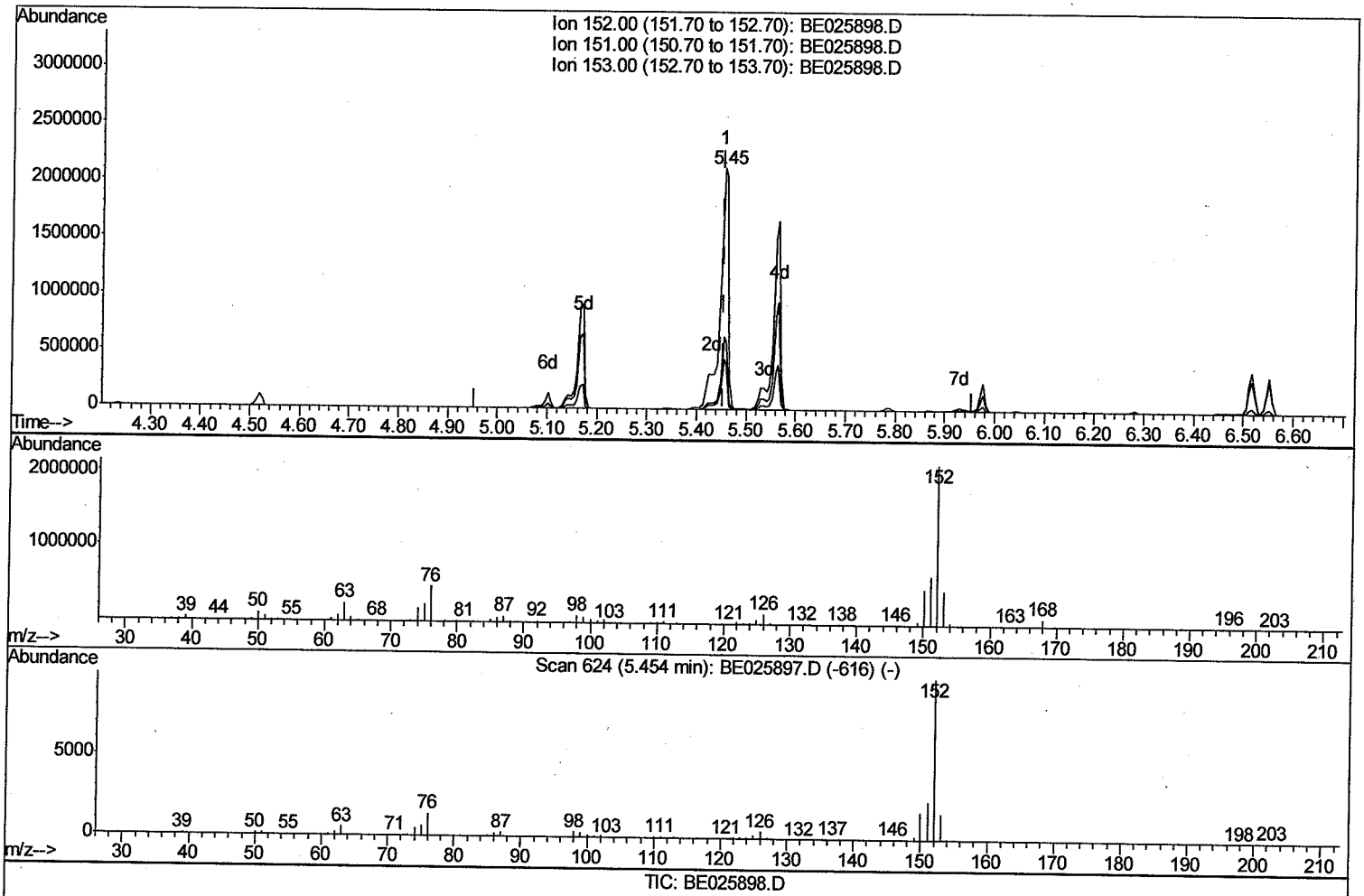
response 2084280

Ion	Exp%	Act%
152.00	100	100
151.00	23.90	29.93#
153.00	16.40	21.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025898.D
Acq On : 12 Oct 2005 8:51 pm
Operator : DHZ
Sample : 160 ng BNA ICC
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 22:18:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025898.D

(48) Acenaphthylene

5.453min (-0.001) 142.49ng m

response 2541549

Ion	Exp%	Act%
152.00	100	100
151.00	23.90	29.93#
153.00	16.40	21.12#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:26:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.66	152	252508	40.00 ng		0.00
22) Naphthalene-d8	4.44	136	920701	40.00 ng		0.00
39) Acenaphthene-d10	5.54	164	505608	40.00 ng		0.00
62) Phenanthrene-d10	6.49	188	768731	40.00 ng		0.00
74) Chrysene-d12	8.43	240	676008	40.00 ng		-0.05
85) Perylene-d12	10.17	264	770131	40.00 ng		-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	2.89	112	163298	16.67 ng		0.00
6) Phenol-d5	3.44	99	246270	20.39 ng		0.00
11) 2-Chlorophenol-d4	3.54	132	196050	21.03 ng		0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	117820	21.43 ng		0.00
24) Nitrobenzene-d5	4.00	82	218963	22.74 ng		0.00
41) 2,4,6-Tribromophenol	6.04	330	52993	20.82 ng		0.00
44) 2-Fluorobiphenyl	5.09	172	328663	22.98 ng		0.00
77) Terphenyl-d14	7.57	244	385279	23.03 ng		-0.03
Target Compounds						Qvalue
2) Pyridine	1.89	79	236704	17.74 ng		99
3) n-Nitrosodimethylamine	1.87	42	88651	19.08 ng		100
5) Aniline	3.47	93	280883	19.04 ng		98
7) 2-Chlorophenol	3.54	128	203298	20.99 ng		95
8) Benzaldehyde	3.41	77	137351	22.82 ng		98
9) Phenol	3.45	94	287218	20.29 ng		99
10) bis(2-Chloroethyl)ether	3.49	93	256815	24.24 ng		98
12) 1,3-Dichlorobenzene	3.63	146	201633	20.85 ng		97
13) 1,4-Dichlorobenzene	3.67	146	215705	21.88 ng		98
15) 1,2-Dichlorobenzene	3.77	146	194272	22.52 ng		99
16) Benzyl Alcohol	3.74	79	177201	19.73 ng		96
17) 2,2'-oxybis(1-Chloropropan	3.81	45	210684	25.07 ng		86
18) 2-Methylphenol	3.81	107	166028	21.22 ng		94
19) Hexachloroethane	3.97	117	92941	20.54 ng		97
20) n-Nitroso-di-n-propylamine	3.89	70	154341	23.76 ng	#	91
21) 3+4-Methylphenols	3.90	107	211663	22.45 ng	#	87
23) Acetophenone	3.90	105	290721	23.89 ng	#	97
25) Nitrobenzene	4.01	77	228348	22.48 ng		91
26) Isophorone	4.15	82	390173	22.42 ng		99
27) 2-Nitrophenol	4.21	139	100651	20.50 ng		97
28) 2,4-Dimethylphenol	4.21	122	165371	20.03 ng		96
29) bis(2-Chloroethoxy)methane	4.27	93	258463	22.17 ng		96
30) 2,4-Dichlorophenol	4.35	162	147221	21.22 ng		97
31) 1,2,4-Trichlorobenzene	4.40	180	160652	22.26 ng		98
32) Naphthalene	4.45	128	532239	25.27 ng	#	91
33) Benzoic acid	4.30	122	25841m	10.40 ng		
34) 4-Chloroaniline	4.48	127	205119	20.80 ng		97
35) Hexachlorobutadiene	4.52	225	83590	21.89 ng		100
36) Caprolactam	4.69	113	67862	25.27 ng		96
37) 4-Chloro-3-methylphenol	4.78	107	169771	21.05 ng		99
38) 2-Methylnaphthalene	4.94	142	332513	23.11 ng		97
40) Hexachlorocyclopentadiene	4.97	237	23201	10.34 ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:26:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

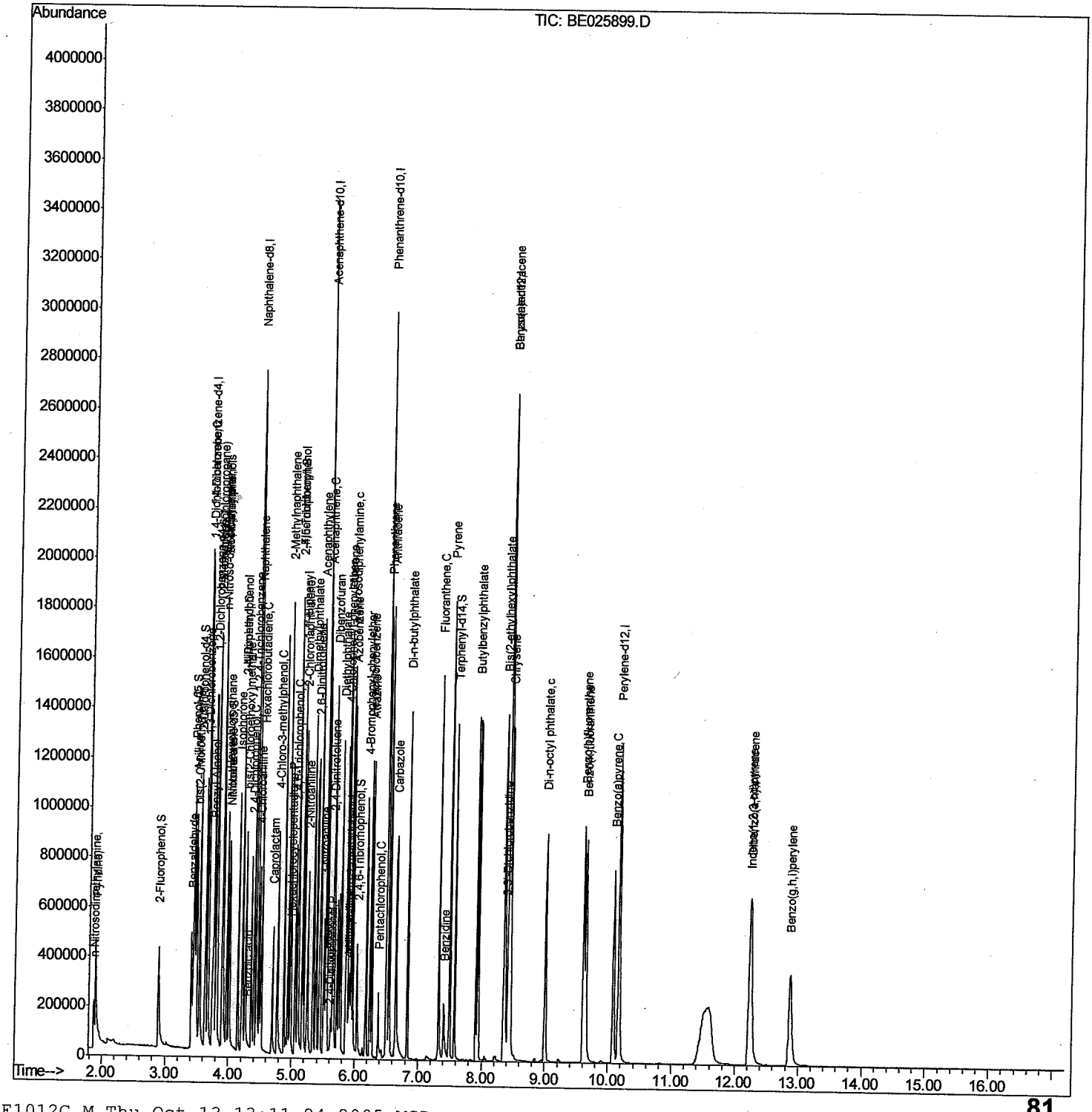
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 2,4,6-Trichlorophenol	5.05	196	87092	19.36 ng		100
43) 2,4,5-Trichlorophenol	5.09	196	90241	19.82 ng		95
45) 1,1'-Biphenyl	5.16	154	430142	24.40 ng		91
46) 2-Chloronaphthalene	5.19	162	324116	23.49 ng		94
47) 2-Nitroaniline	5.25	65	113425	22.66 ng		99
48) Acenaphthylene	5.45	152	507887	24.33 ng		94
49) Dimethylphthalate	5.34	163	354749	25.68 ng		97
50) 2,6-Dinitrotoluene	5.39	165	85936	23.39 ng	#	86
51) Acenaphthene	5.55	154	322054	22.78 ng		98
52) 3-Nitroaniline	5.51	138	89266	23.19 ng		88
53) 2,4-Dinitrophenol	5.59	184	5939m	6.18 ng		
54) Dibenzofuran	5.66	168	437668	27.23 ng		91
55) 4-Nitrophenol	5.62	139	30098	11.05 ng		88
56) 2,4-Dinitrotoluene	5.65	165	103554	22.52 ng	#	86
57) Fluorene	5.88	166	368946	25.98 ng		99
58) Diethylphthalate	5.78	149	343780	25.76 ng		96
59) 4-Chlorophenyl-phenylether	5.86	204	165140	24.05 ng		92
60) 4-Nitroaniline	5.90	138	71046	16.44 ng		94
61) Azobenzene	5.96	77	435219	27.86 ng		90
63) 4,6-Dinitro-2-methylphenol	5.92	198	28504	11.34 ng		94
64) n-Nitrosodiphenylamine	5.94	169	301138	24.62 ng		96
65) 4-Bromophenyl-phenylether	6.18	248	96688	22.01 ng		95
66) Hexachlorobenzene	6.24	284	108985	22.36 ng		98
67) Atrazine	6.26	200	94692	22.21 ng		98
68) Pentachlorophenol	6.37	266	38082m	18.80 ng		
69) Phenanthrene	6.50	178	528689	25.53 ng	#	90
70) Anthracene	6.54	178	542850	27.23 ng	#	90
71) Carbazole	6.65	167	447860	23.24 ng		98
72) Di-n-butylphthalate	6.83	149	584192	26.86 ng	#	93
73) Fluoranthene	7.32	202	527632	24.63 ng		94
75) Benzidine	7.40	184	108731m	14.13 ng		
76) Pyrene	7.49	202	563239	24.75 ng	#	89
78) Butylbenzylphthalate	7.91	149	273190	21.67 ng	#	91
79) Benzo(a)anthracene	8.42	228	522363	22.57 ng		93
80) 3,3'-Dichlorobenzidine	8.38	252	122926	23.39 ng		96
81) Chrysene	8.46	228	488767	22.23 ng		92
82) Bis(2-ethylhexyl)phthalate	8.36	149	373844	22.40 ng	#	95
83) Di-n-octyl phthalate	9.00	149	629991	21.36 ng		98
84) Indeno(1,2,3-cd)pyrene	12.23	276	560581	17.93 ng		98
86) Benzo(b)fluoranthene	9.61	252	512802	19.98 ng		95
87) Benzo(k)fluoranthene	9.64	252	540085	22.43 ng		97
88) Benzo(a)pyrene	10.08	252	496751	20.30 ng		97
89) Dibenzo(a,h)anthracene	12.25	278	477515	18.96 ng		98
90) Benzo(g,h,i)perylene	12.88	276	476784	18.82 ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

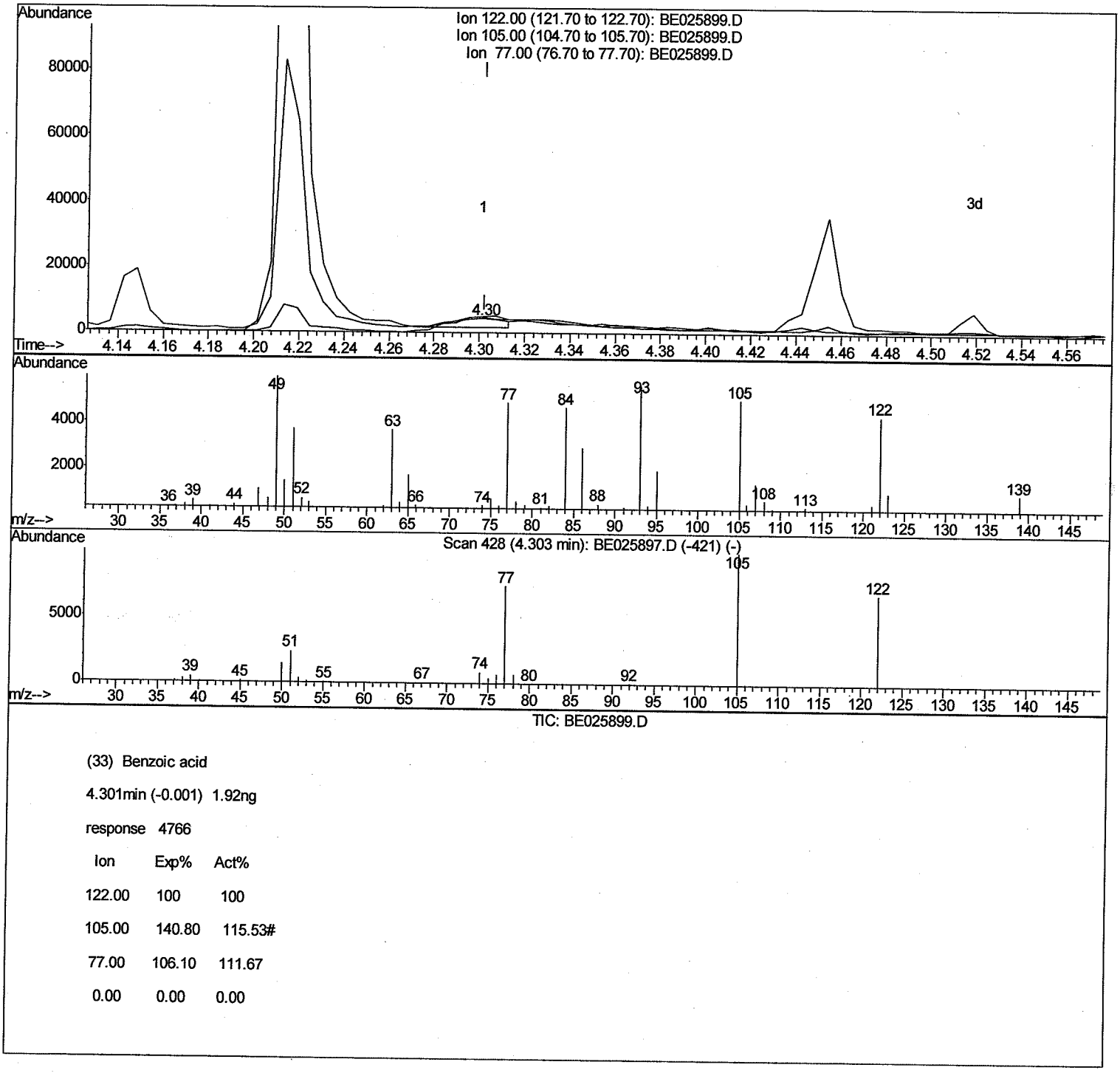
Quant Time: Oct 12 22:26:10 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



(33) Benzoic acid

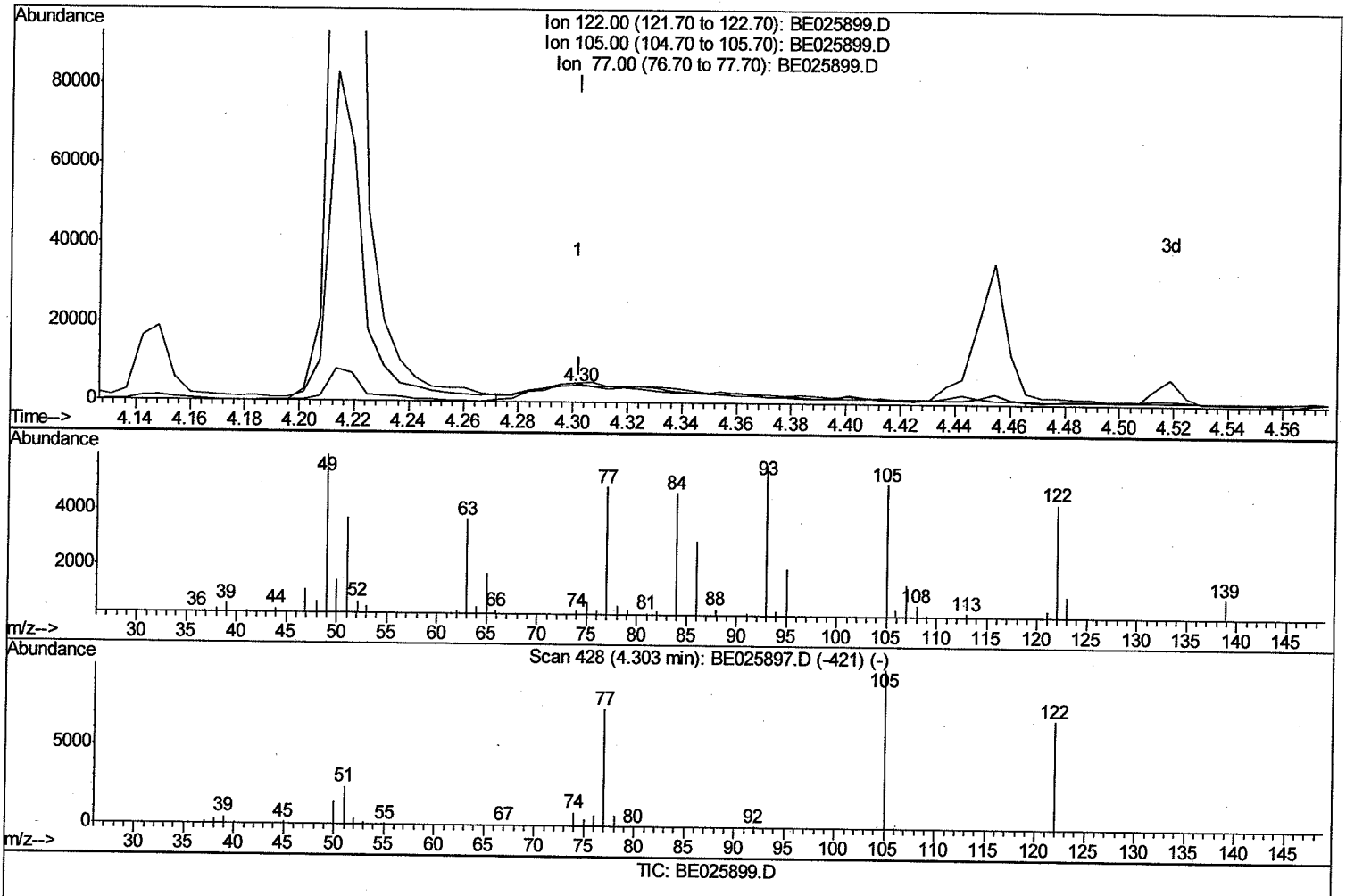
4.301min (-0.001) 1.92ng

response 4766

Ion	Exp%	Act%
122.00	100	100
105.00	140.80	115.53#
77.00	106.10	111.67
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025899.D

(33) Benzoic acid

4.301min (-0.001) 10.40ng m

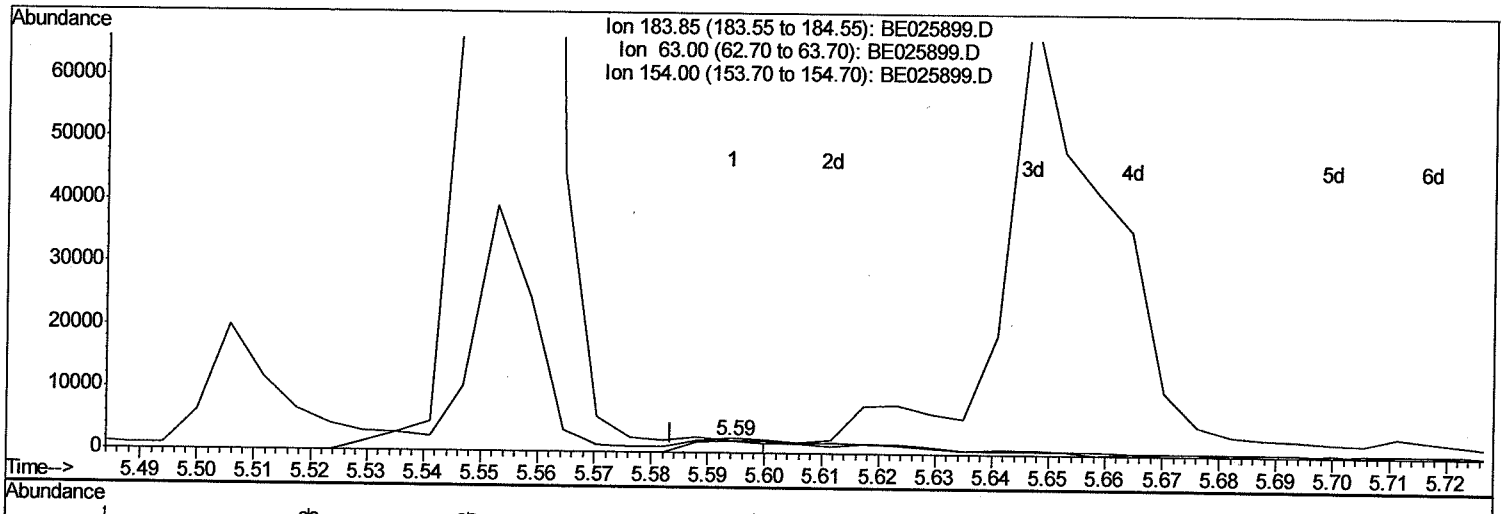
response 25841

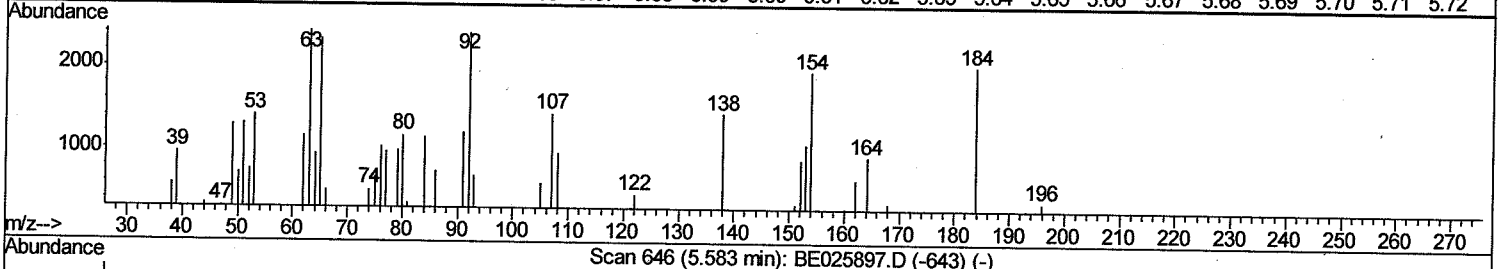
Ion	Exp%	Act%
122.00	100	100
105.00	140.80	115.53#
77.00	106.10	111.67
0.00	0.00	0.00

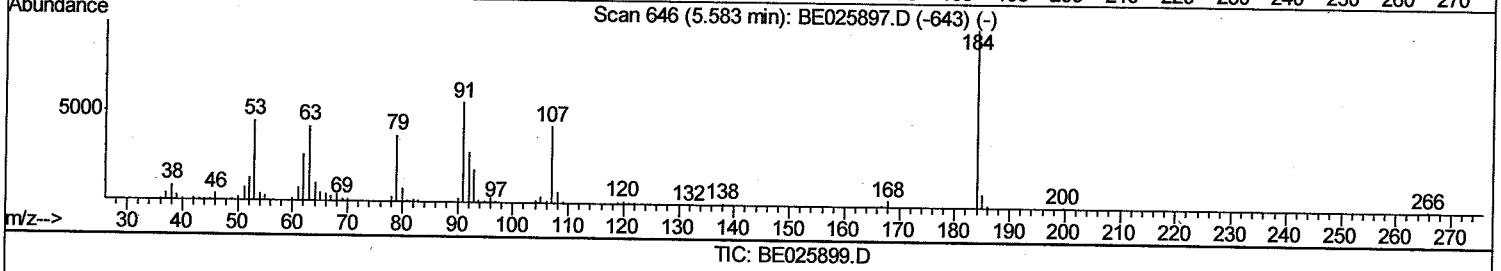
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025899.D

(53) 2,4-Dinitrophenol (P)

5.594min (+0.010) 1.92ng

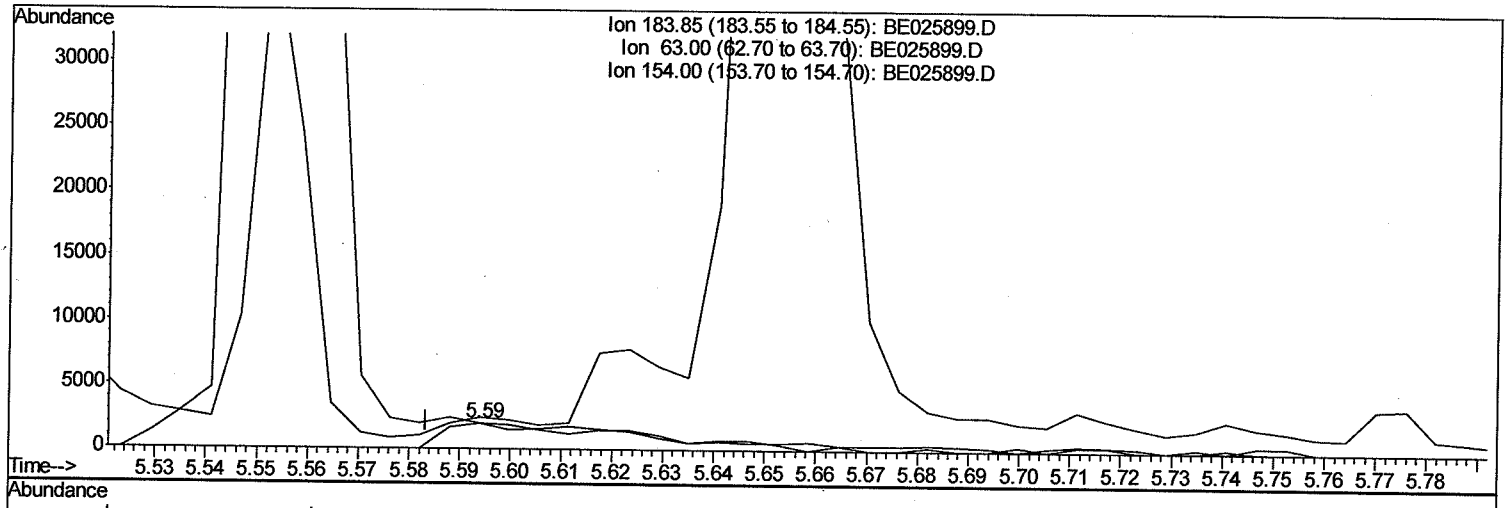
response 1846

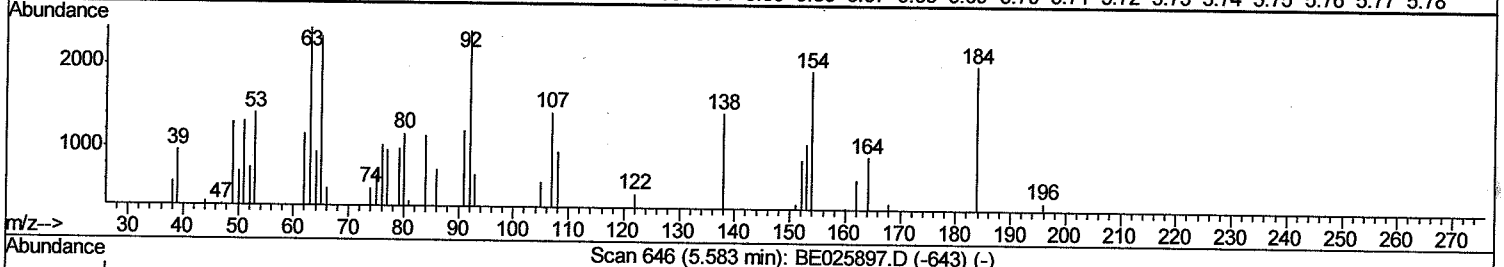
Ion	Exp%	Act%
183.85	100	100
63.00	71.70	120.54#
154.00	58.40	96.63#
0.00	0.00	0.00

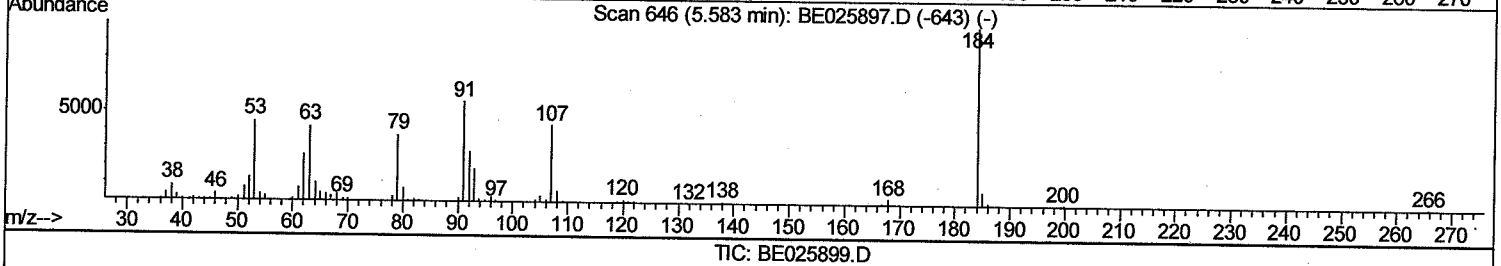
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025899.D

(53) 2,4-Dinitrophenol (P)

5.594min (+0.010) 6.18ng m

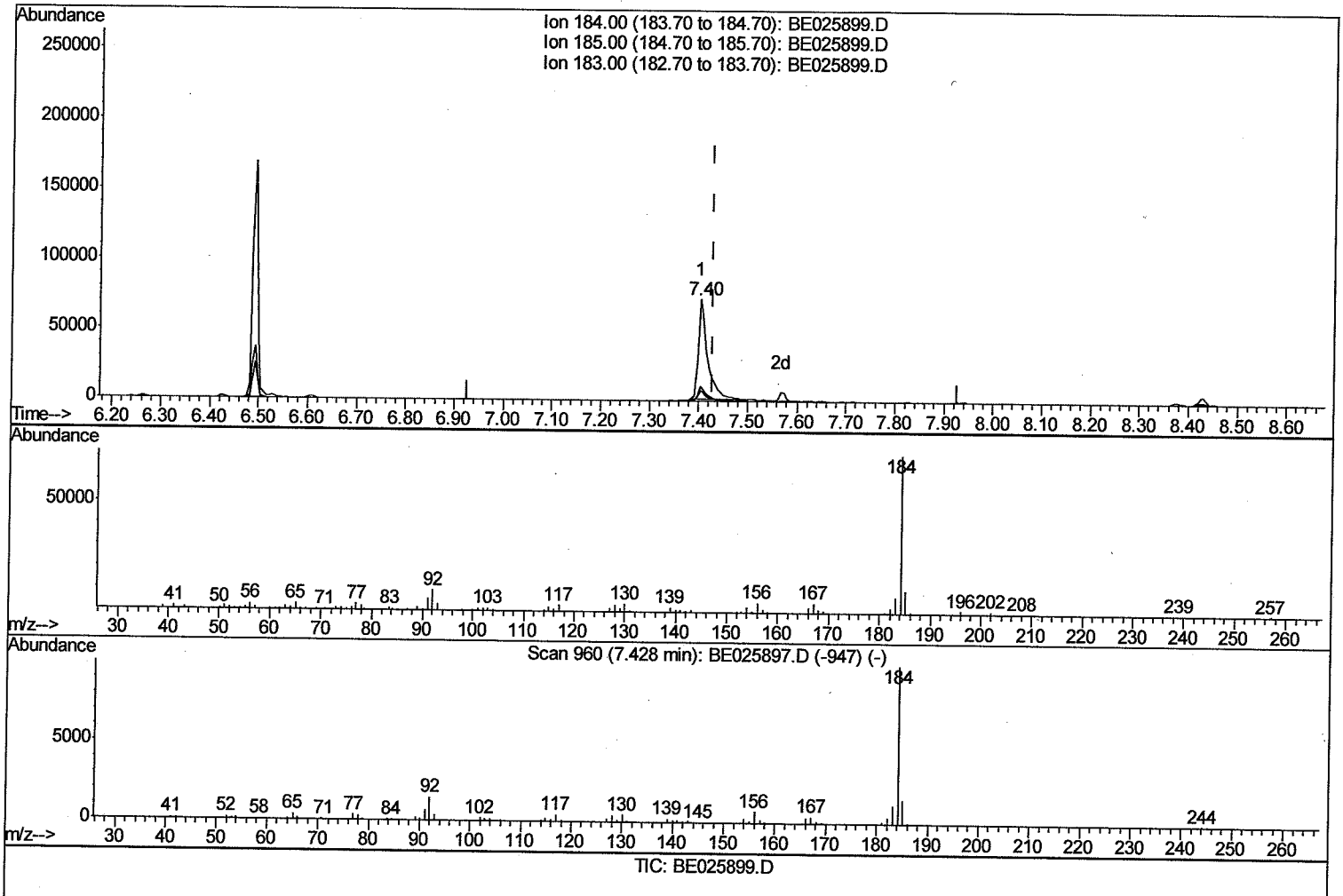
response 5939

Ion	Exp%	Act%
183.85	100	100
63.00	71.70	120.54#
154.00	58.40	96.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025899.D

(75) Benzidine

7.404min (-0.025) 11.69ng

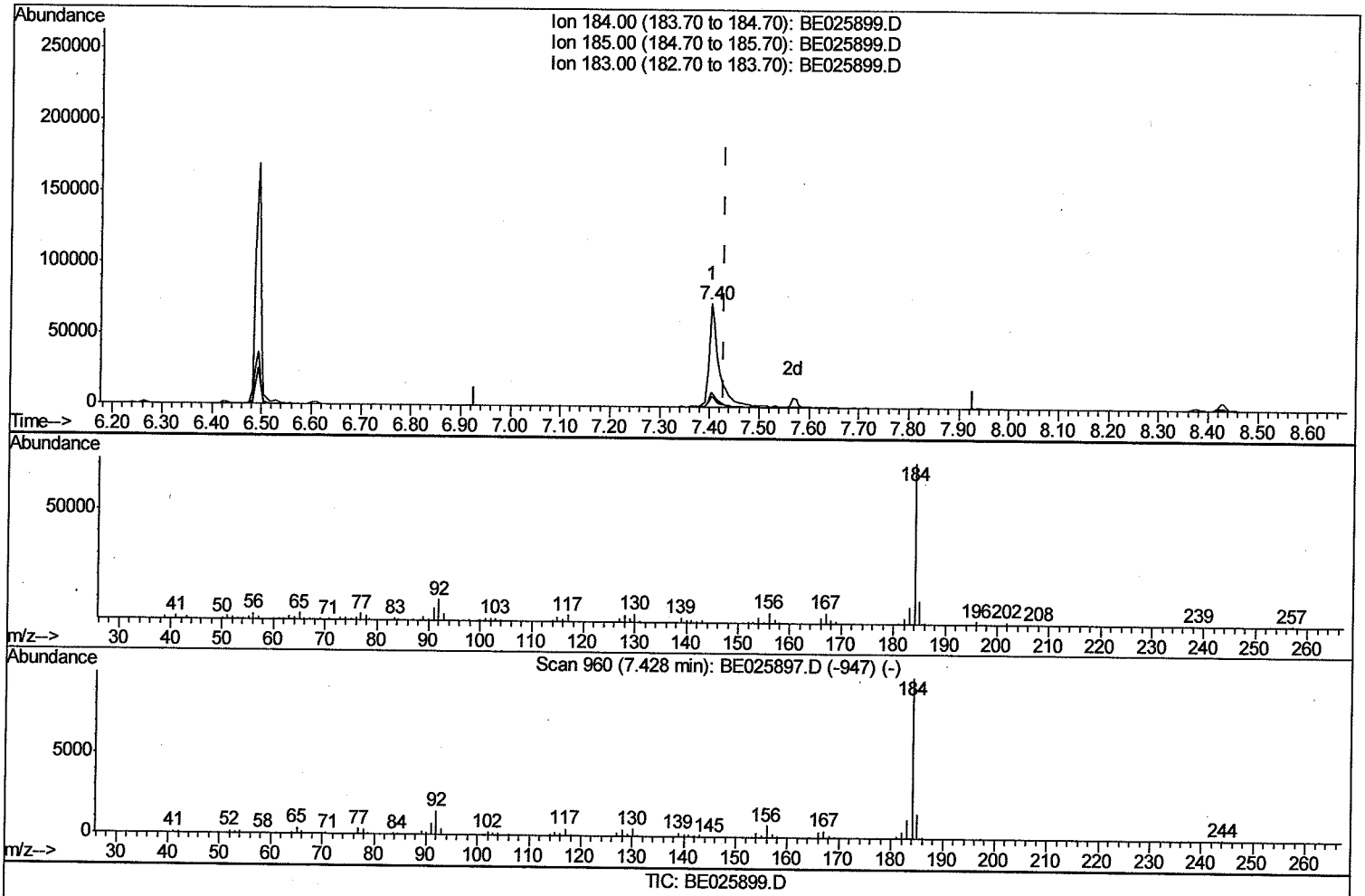
response 89938

Ion	Exp%	Act%
184.00	100	100
185.00	15.20	14.74
183.00	12.00	10.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025899.D

(75) Benzidine

7.404min (-0.025) 14.13ng m

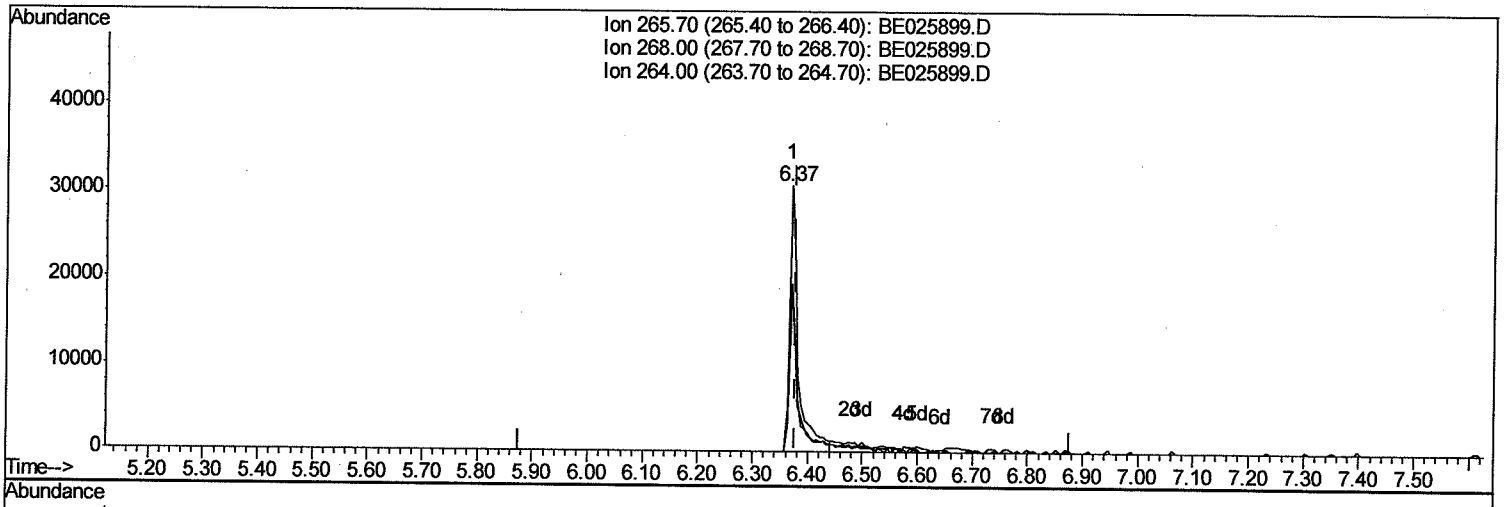
response 108731

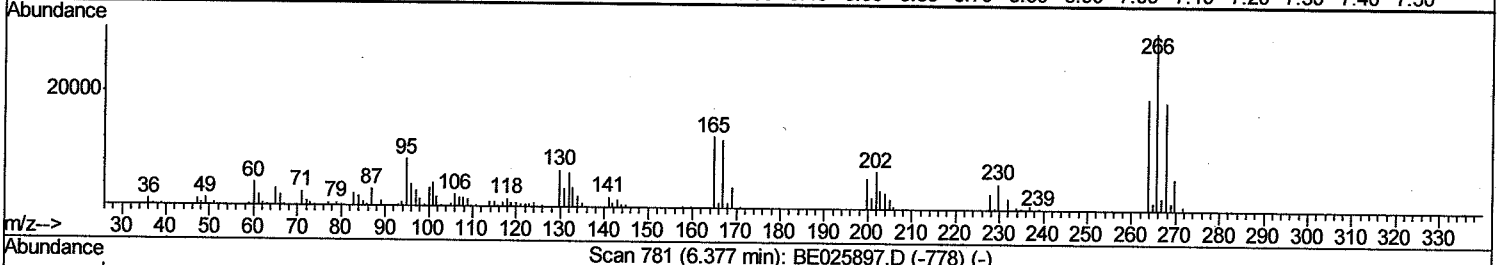
Ion	Exp%	Act%
184.00	100	100
185.00	15.20	14.74
183.00	12.00	10.82
0.00	0.00	0.00

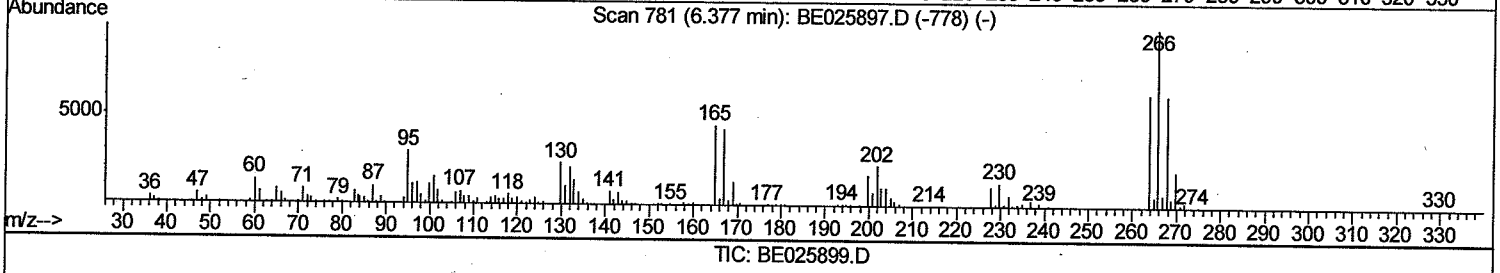
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025899.D

(68) Pentachlorophenol (C)

6.369min (-0.007) 15.85ng

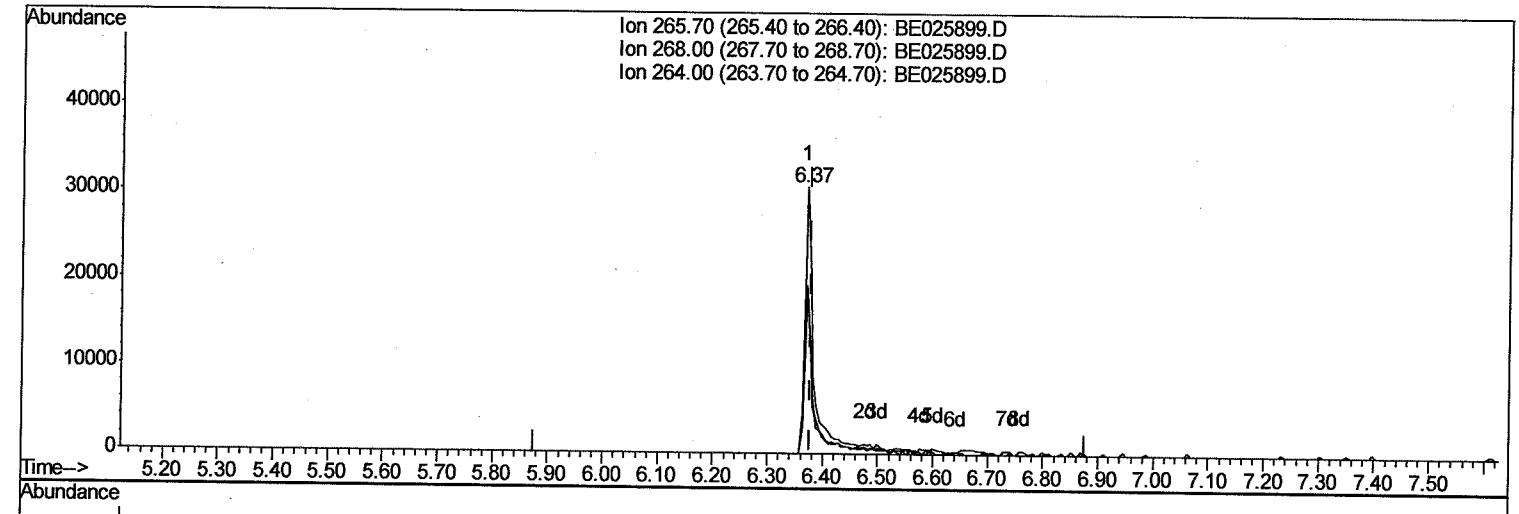
response 32105

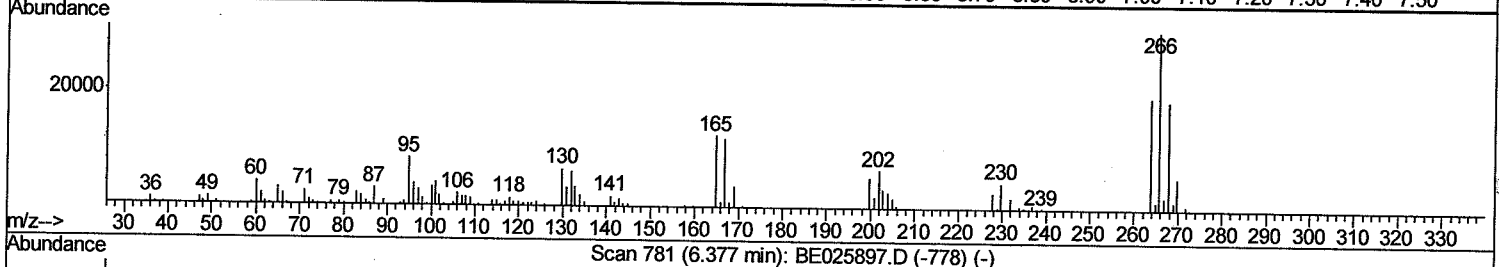
Ion	Exp%	Act%
265.70	100	100
268.00	62.40	61.09
264.00	62.80	63.20
0.00	0.00	0.00

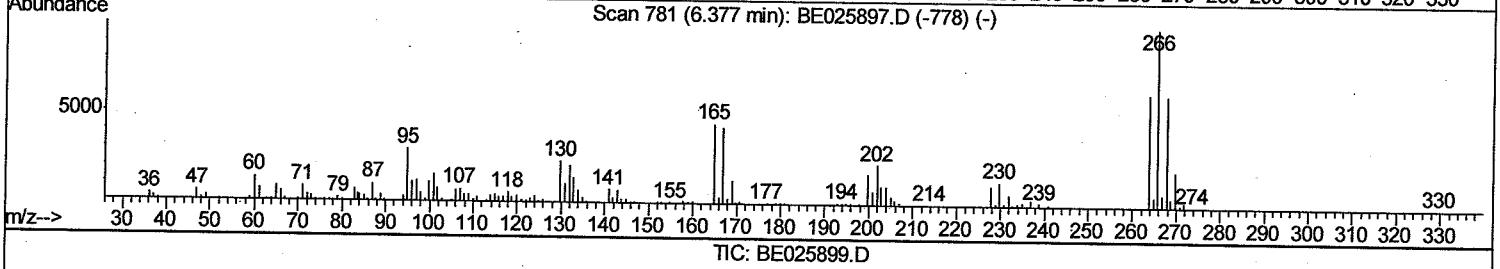
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025899.D
Acq On : 12 Oct 2005 9:15 pm
Operator : DHZ
Sample : 20 ng BNA ICC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 22:23:46 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025899.D

(68) Pentachlorophenol (C)

6.369min (-0.007) 18.80ng m

response 38082

Ion	Exp%	Act%
265.70	100	100
268.00	62.40	61.09
264.00	62.80	63.20
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:28:36 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.66	152	254674	40.00 ng		0.00
22) Naphthalene-d8	4.44	136	950210	40.00 ng		0.00
39) Acenaphthene-d10	5.54	164	472985	40.00 ng		0.00
62) Phenanthrene-d10	6.50	188	767520	40.00 ng		0.00
74) Chrysene-d12	8.49	240	652963	40.00 ng		0.01
85) Perylene-d12	10.25	264	803909	40.00 ng		0.01
System Monitoring Compounds						
4) 2-Fluorophenol	2.88	112	1144753	115.89 ng		0.00
6) Phenol-d5	3.45	99	1336407	109.72 ng		0.00
11) 2-Chlorophenol-d4	3.54	132	1029953	109.52 ng		0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	577329	104.12 ng		0.00
24) Nitrobenzene-d5	4.01	82	1107358	111.41 ng		0.00
41) 2,4,6-Tribromophenol	6.04	330	329953	138.59 ng		0.00
44) 2-Fluorobiphenyl	5.10	172	1554666	116.22 ng		0.00
77) Terphenyl-d14	7.61	244	1656436	102.52 ng		0.00
Target Compounds						Qvalue
2) Pyridine	1.88	79	1593961	118.47 ng		98
3) n-Nitrosodimethylamine	1.88	42	521877	111.37 ng		91
5) Aniline	3.47	93	1826182	122.77 ng		99
7) 2-Chlorophenol	3.55	128	1062560	108.78 ng		98
8) Benzaldehyde	3.41	77	600355	98.90 ng		95
9) Phenol	3.45	94	1512234	105.91 ng		96
10) bis(2-Chloroethyl)ether	3.49	93	1146522	107.30 ng		99
12) 1,3-Dichlorobenzene	3.63	146	1057420	108.41 ng		98
13) 1,4-Dichlorobenzene	3.68	146	1067386	107.35 ng		98
15) 1,2-Dichlorobenzene	3.77	146	910185	104.63 ng		99
16) Benzyl Alcohol	3.75	79	977963	107.94 ng		98
17) 2,2'-oxybis(1-Chloropropan	3.81	45	877311	103.52 ng		98
18) 2-Methylphenol	3.81	107	854660	108.32 ng		97
19) Hexachloroethane	3.97	117	502618	110.12 ng		96
20) n-Nitroso-di-n-propylamine	3.90	70	675793	103.13 ng		98
21) 3+4-Methylphenols	3.90	107	955812	100.50 ng		99
23) Acetophenone	3.91	105	1321552	105.21 ng	#	97
25) Nitrobenzene	4.02	77	1140496	108.80 ng		96
26) Isophorone	4.16	82	2019931	112.46 ng		94
27) 2-Nitrophenol	4.21	139	576612	113.81 ng		94
28) 2,4-Dimethylphenol	4.22	122	938638	110.18 ng		98
29) bis(2-Chloroethoxy)methane	4.27	93	1337237	111.16 ng		96
30) 2,4-Dichlorophenol	4.36	162	819465	114.45 ng		97
31) 1,2,4-Trichlorobenzene	4.40	180	835639	112.21 ng		98
32) Naphthalene	4.46	128	2191852	100.83 ng		93
33) Benzoic acid	4.32	122	418573	163.24 ng		99
34) 4-Chloroaniline	4.48	127	1097271	107.79 ng		97
35) Hexachlorobutadiene	4.52	225	442453	112.26 ng		98
36) Caprolactam	4.73	113	383671m	138.43 ng		
37) 4-Chloro-3-methylphenol	4.78	107	912899	109.65 ng		99
38) 2-Methylnaphthalene	4.95	142	1585292	106.74 ng		98
40) Hexachlorocyclopentadiene	4.97	237	309770	147.59 ng		99

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:28:36 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

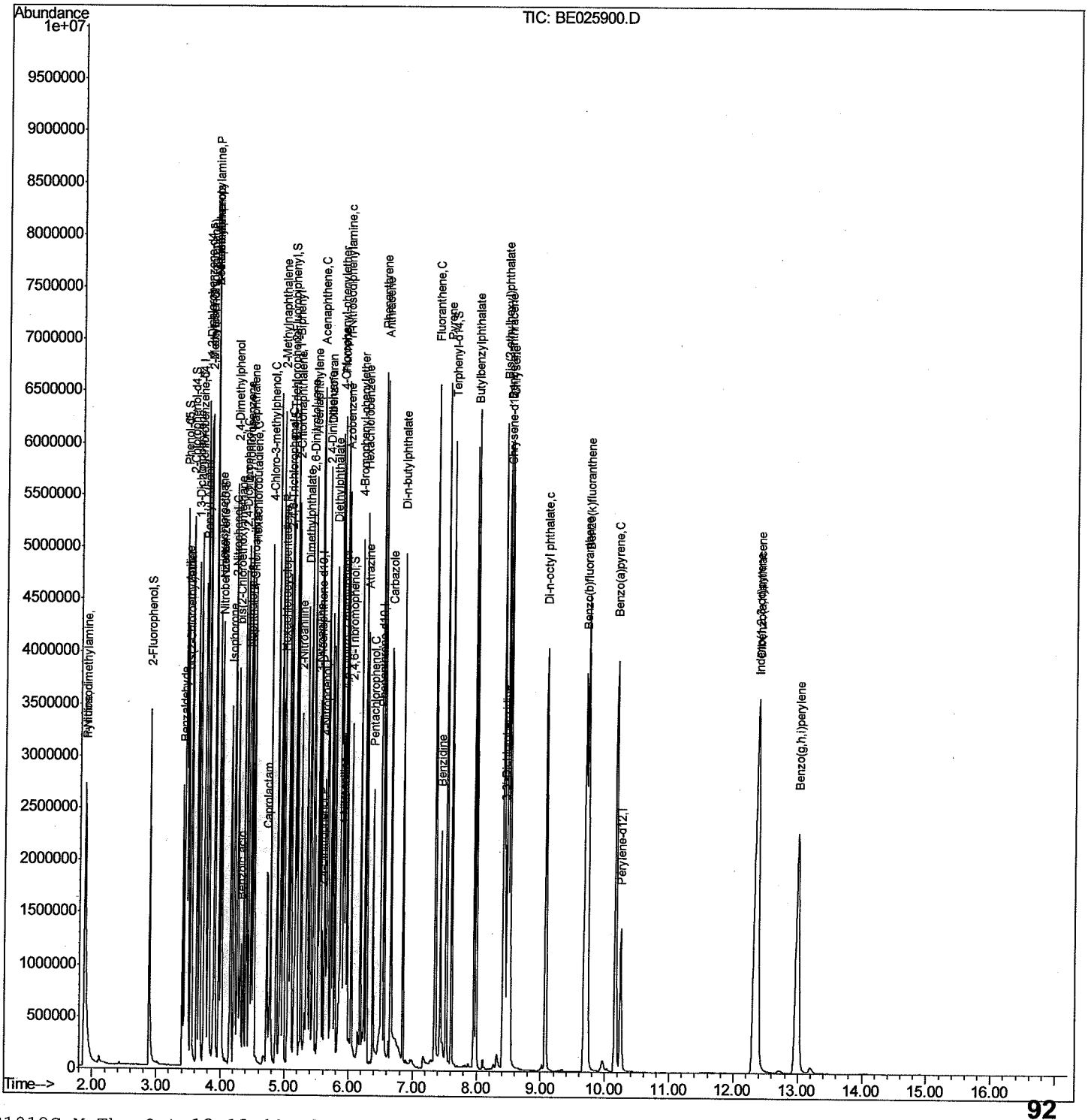
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 2,4,6-Trichlorophenol	5.06	196	570943	135.69 ng		99
43) 2,4,5-Trichlorophenol	5.09	196	514538	120.82 ng	#	92
45) 1,1'-Biphenyl	5.17	154	1894595	114.86 ng		96
46) 2-Chloronaphthalene	5.19	162	1507813	116.79 ng		96
47) 2-Nitroaniline	5.25	65	559601	119.52 ng		94
48) Acenaphthylene	5.45	152	2160857	110.67 ng	#	92
49) Dimethylphthalate	5.35	163	1503733	116.37 ng		99
50) 2,6-Dinitrotoluene	5.40	165	414757	120.67 ng		95
51) Acenaphthene	5.56	154	1533852	115.99 ng		97
52) 3-Nitroaniline	5.52	138	455151	126.38 ng		98
53) 2,4-Dinitrophenol	5.58	184	153258	170.40 ng	#	89
54) Dibenzofuran	5.67	168	1587756	105.59 ng		93
55) 4-Nitrophenol	5.62	139	460699	180.86 ng		96
56) 2,4-Dinitrotoluene	5.66	165	533608	124.03 ng		99
57) Fluorene	5.89	166	1466884	110.41 ng		98
58) Diethylphthalate	5.79	149	1401145	112.25 ng		94
59) 4-Chlorophenyl-phenylether	5.87	204	757757	117.95 ng		99
60) 4-Nitroaniline	5.91	138	494626m	122.36 ng		
61) Azobenzene	5.97	77	1561305	106.83 ng		90
63) 4,6-Dinitro-2-methylphenol	5.93	198	321976	128.35 ng		85
64) n-Nitrosodiphenylamine	5.95	169	1249957	102.36 ng		96
65) 4-Bromophenyl-phenylether	6.19	248	502631	114.59 ng		97
66) Hexachlorobenzene	6.25	284	544720	111.91 ng		98
67) Atrazine	6.29	200	473640	111.27 ng		97
68) Pentachlorophenol	6.38	266	269049	133.02 ng		98
69) Phenanthrene	6.52	178	2003339	96.90 ng		93
70) Anthracene	6.56	178	1937226	97.32 ng		93
71) Carbazole	6.66	167	2241239m	116.46 ng		
72) Di-n-butylphthalate	6.85	149	2169773m	99.93 ng		
73) Fluoranthene	7.35	202	2113861	98.85 ng		92
75) Benzidine	7.44	184	860194	115.77 ng		99
76) Pyrene	7.53	202	2186786	99.48 ng		91
78) Butylbenzylphthalate	7.97	149	1327936	109.06 ng		98
79) Benzo(a)anthracene	8.48	228	2440689	109.19 ng		94
80) 3,3'-Dichlorobenzidine	8.44	252	614042	120.97 ng		98
81) Chrysene	8.52	228	2097369	98.78 ng		94
82) Bis(2-ethylhexyl)phthalate	8.42	149	1718556	106.63 ng		95
83) Di-n-octyl phthalate	9.08	149	3021659	106.07 ng		100
84) Indeno(1,2,3-cd)pyrene	12.37	276	3607901	119.50 ng		100
86) Benzo(b)fluoranthene	9.69	252	3170946	118.35 ng		98
87) Benzo(k)fluoranthene	9.73	252	2409846	95.89 ng		94
88) Benzo(a)pyrene	10.17	252	2818647	110.35 ng		95
89) Dibenzo(a,h)anthracene	12.39	278	2963930	112.72 ng		98
90) Benzo(g,h,i)perylene	13.01	276	3023885	114.34 ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

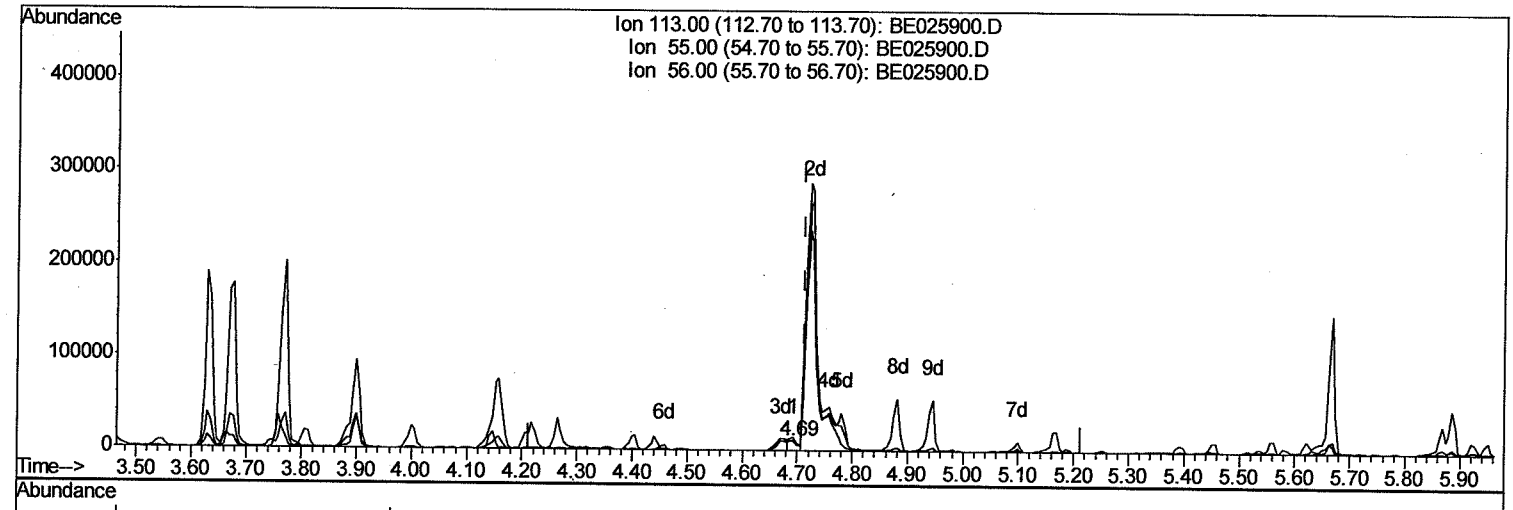
Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

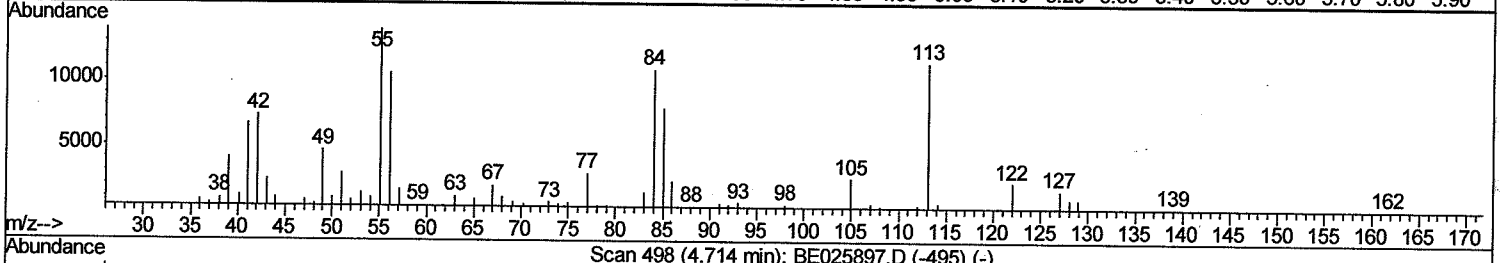
Quant Time: Oct 12 22:28:36 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

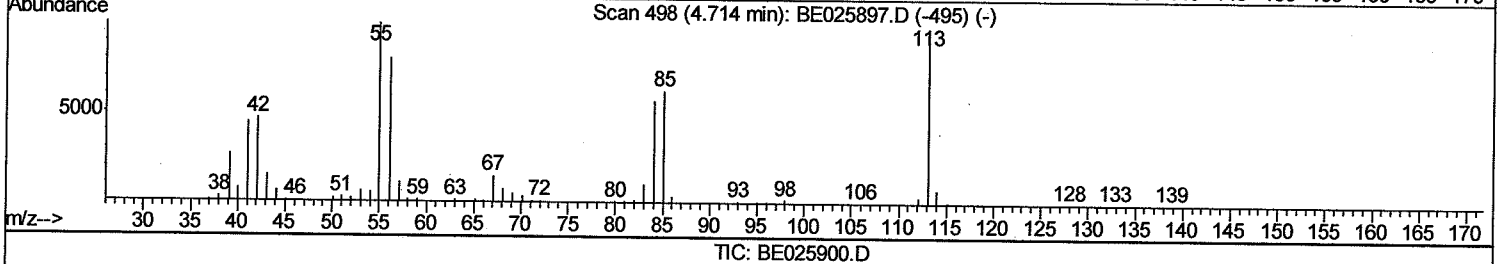


Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(36) Caprolactam

4.693min (-0.021) 4.04ng

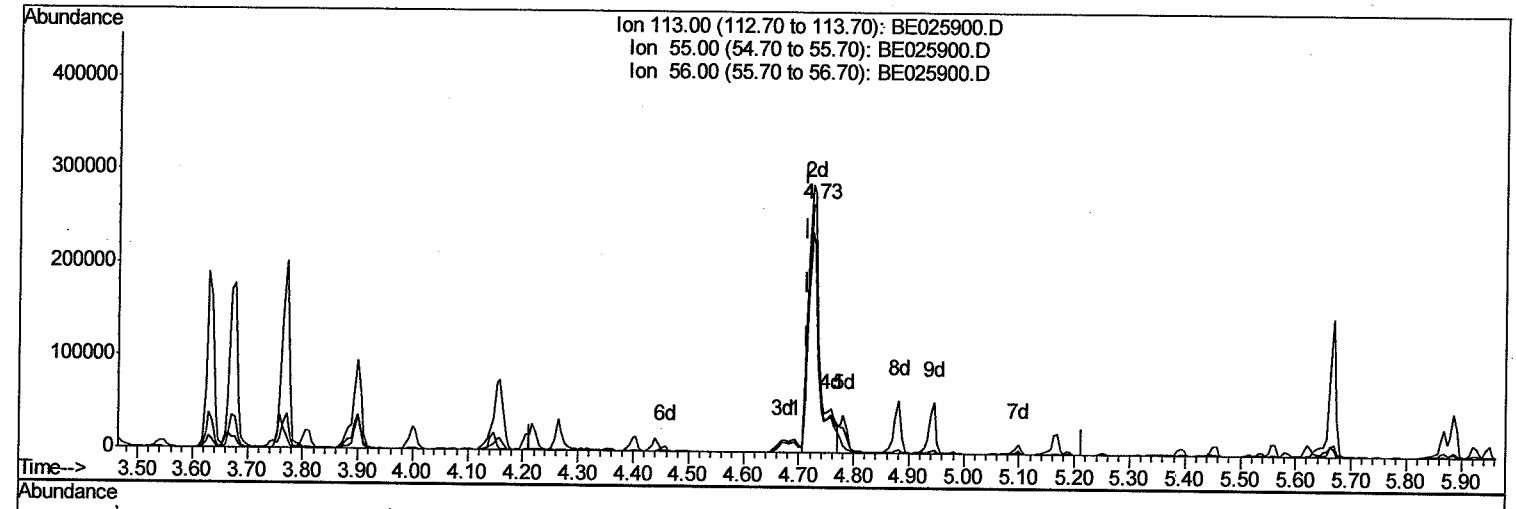
response 11200

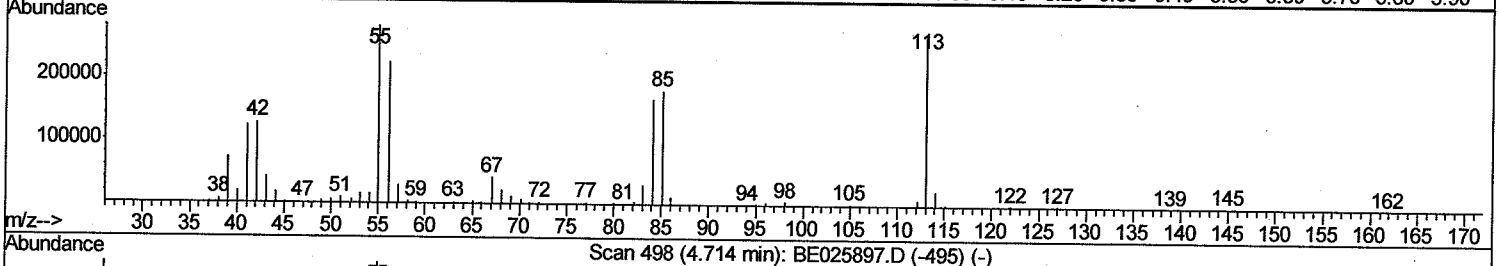
Ion	Exp%	Act%
113.00	100	100
55.00	110.40	121.53
56.00	88.30	92.60
0.00	0.00	0.00

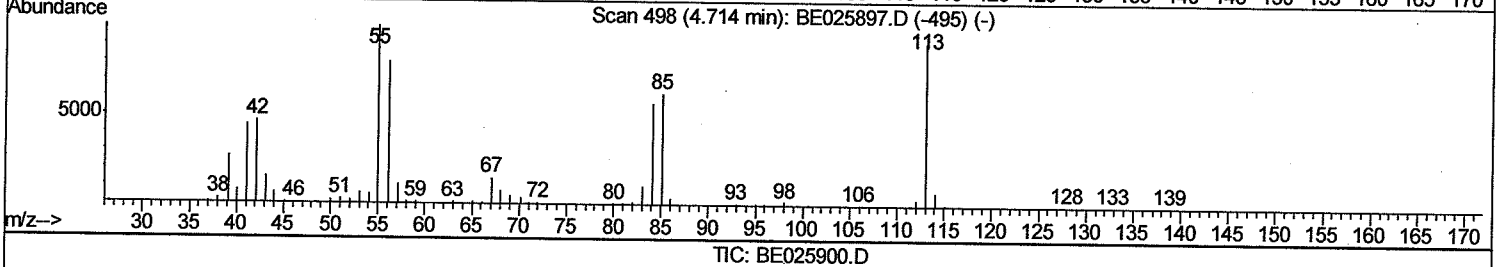
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(36) Caprolactam

4.728min (+0.014) 138.43ng m

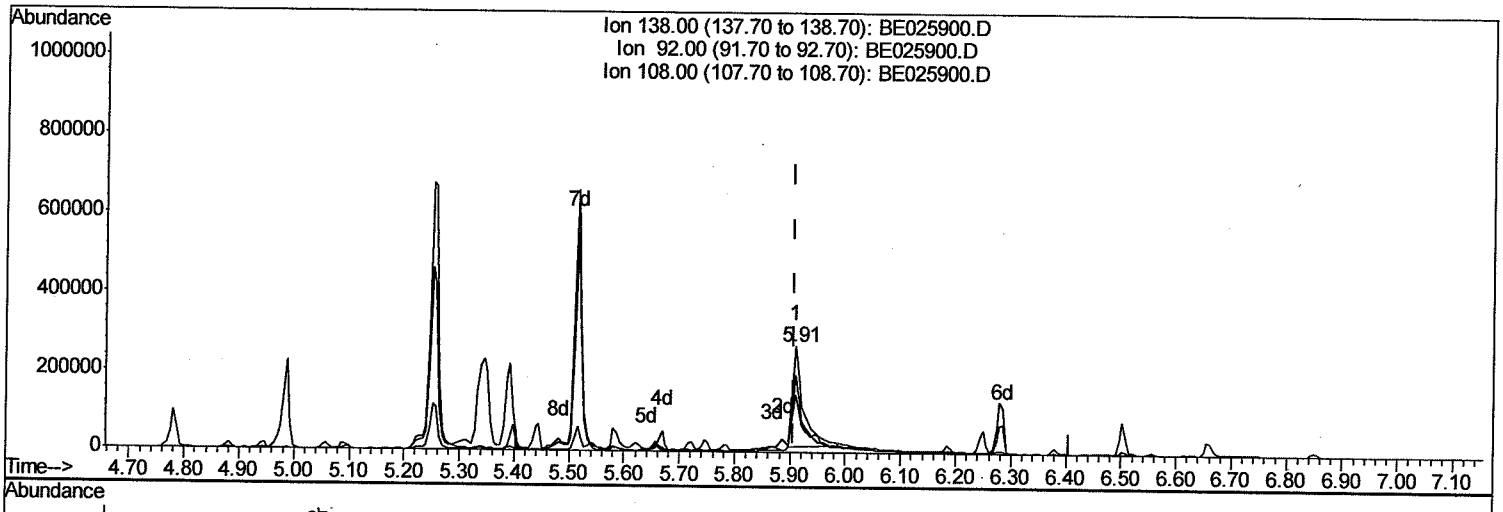
response 383671

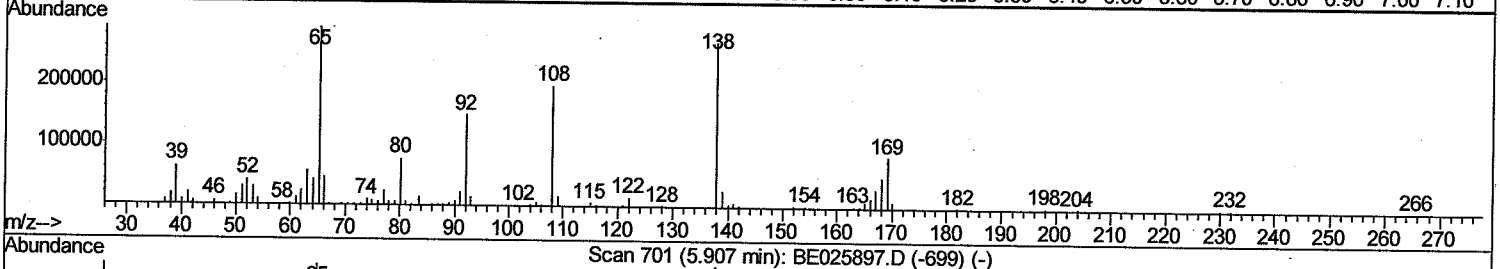
Ion	Exp%	Act%
113.00	100	100
55.00	110.40	104.74
56.00	88.30	83.29
0.00	0.00	0.00

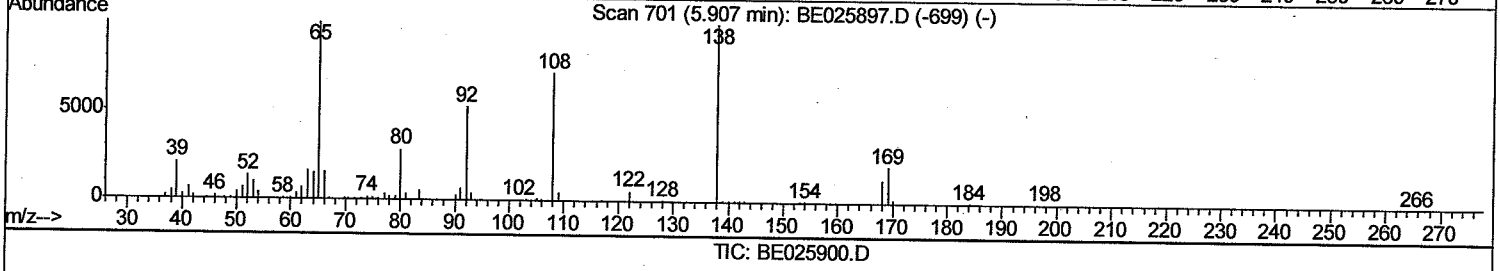
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(60) 4-Nitroaniline

5.909min (+0.002) 84.27ng

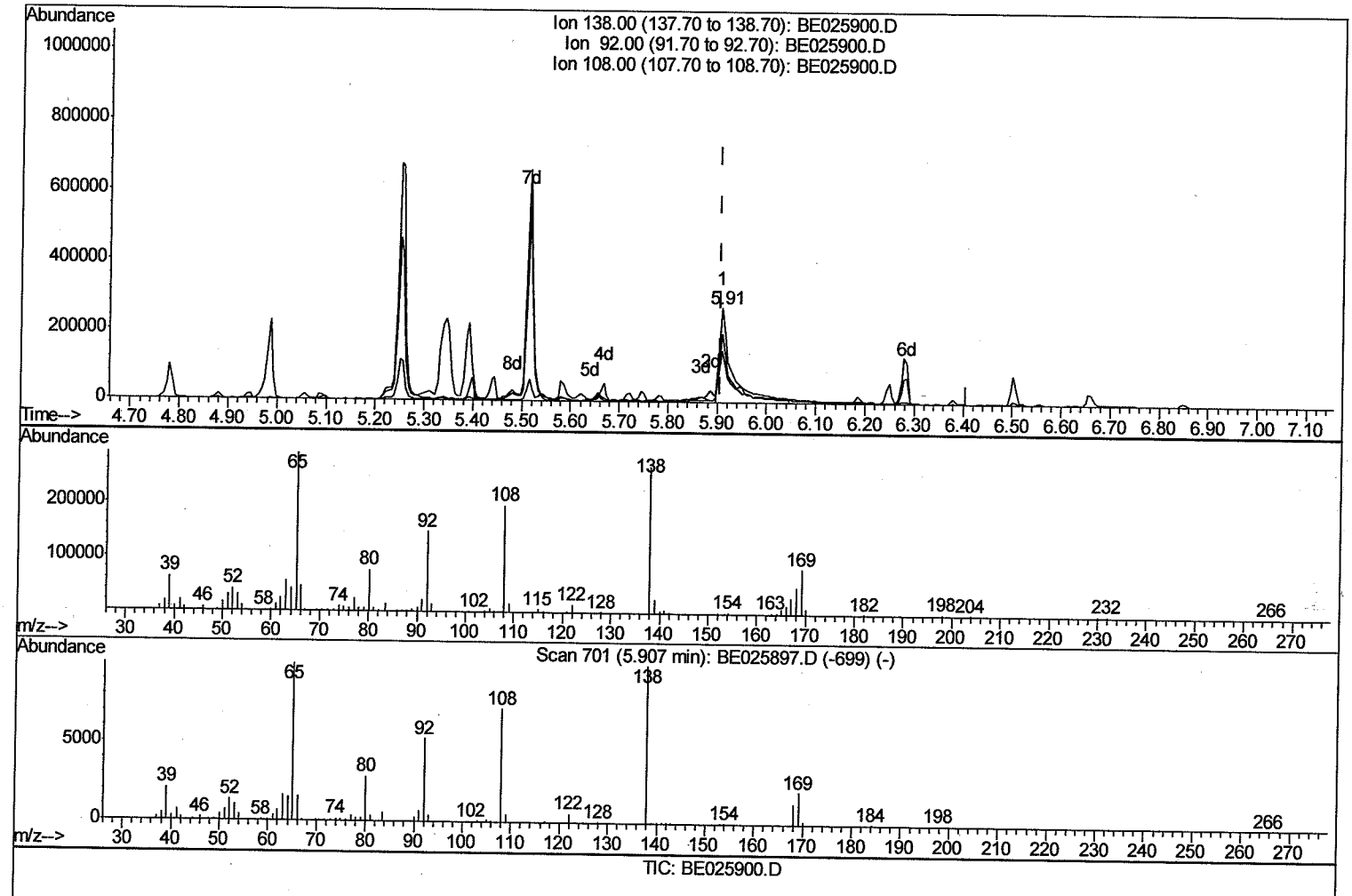
response 340636

Ion	Exp%	Act%
138.00	100	100
92.00	55.10	54.90
108.00	72.80	72.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025900.D

(60) 4-Nitroaniline

5.909min (+0.002) 122.36ng m

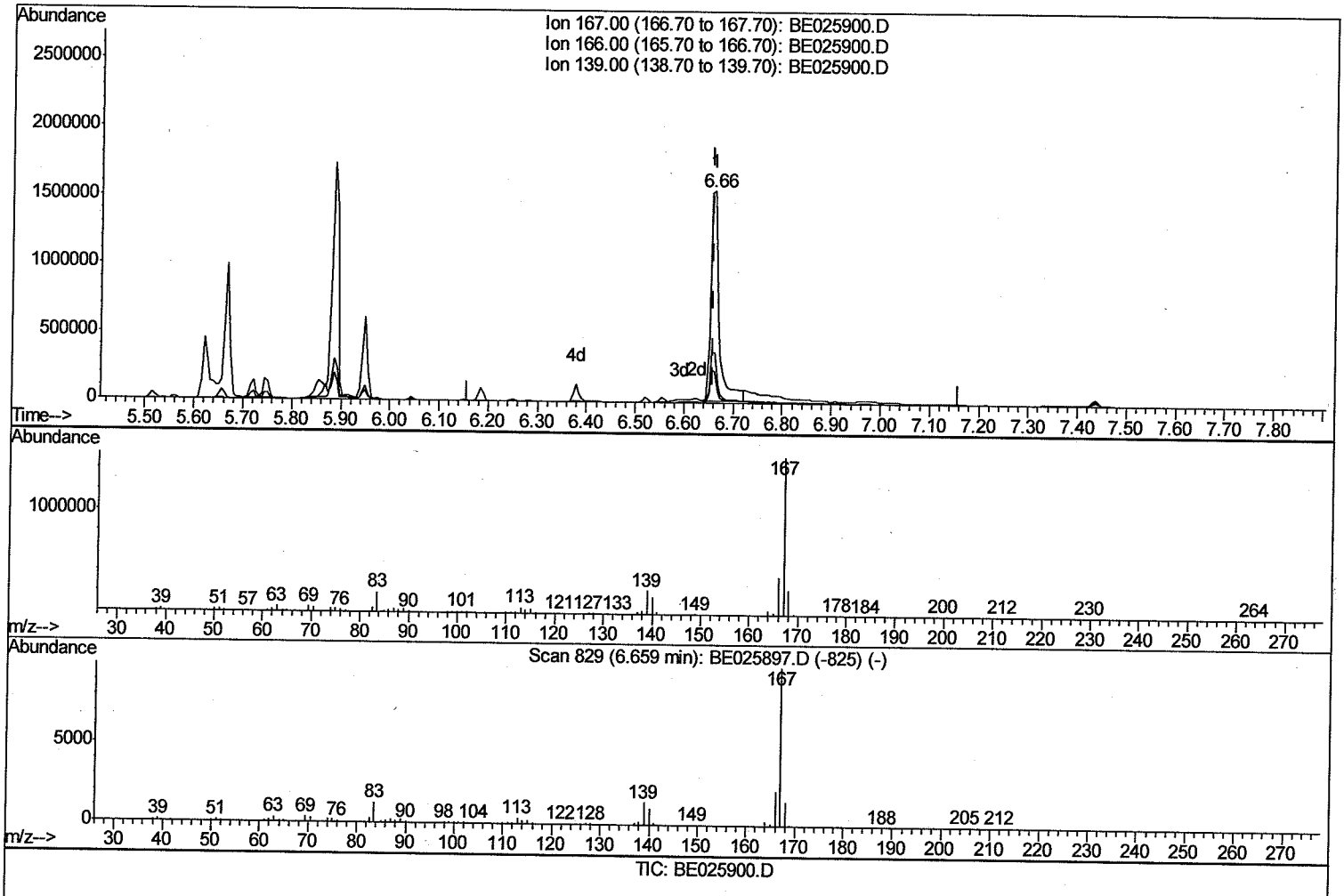
response 494626

Ion	Exp%	Act%
138.00	100	100
92.00	55.10	54.90
108.00	72.80	72.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025900.D

(71) Carbazole

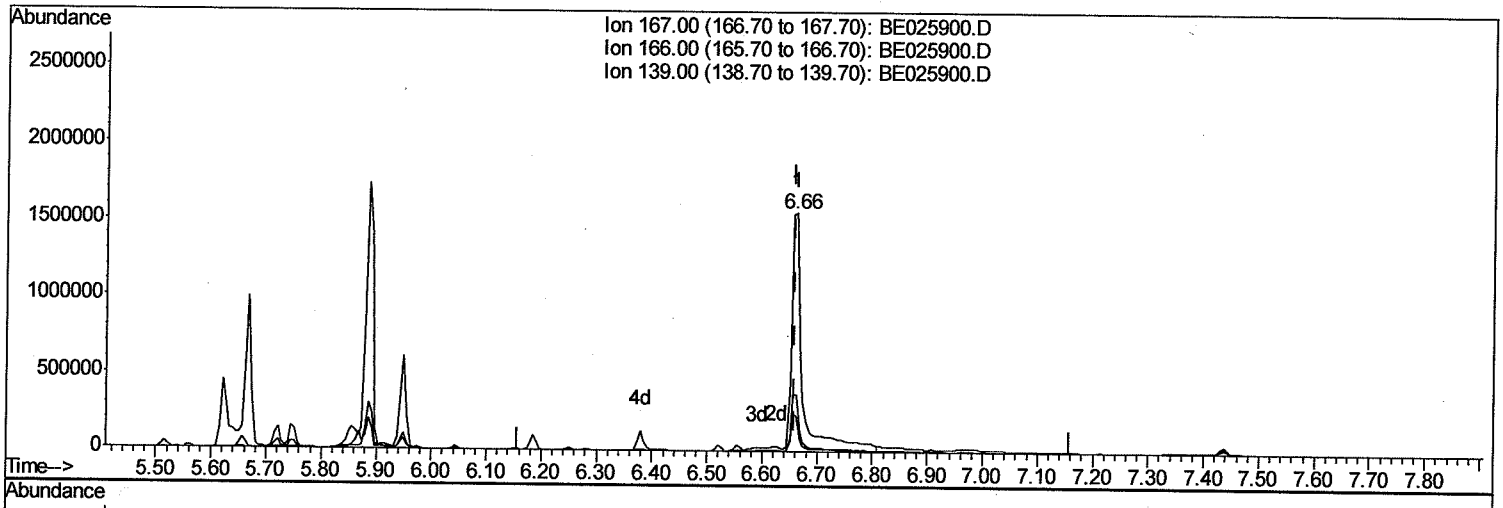
6.661min (+0.002) 95.08ng

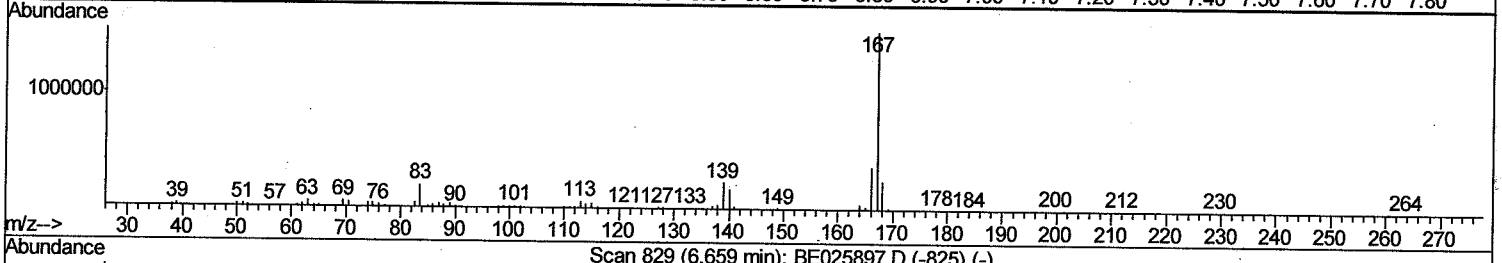
response 1829709

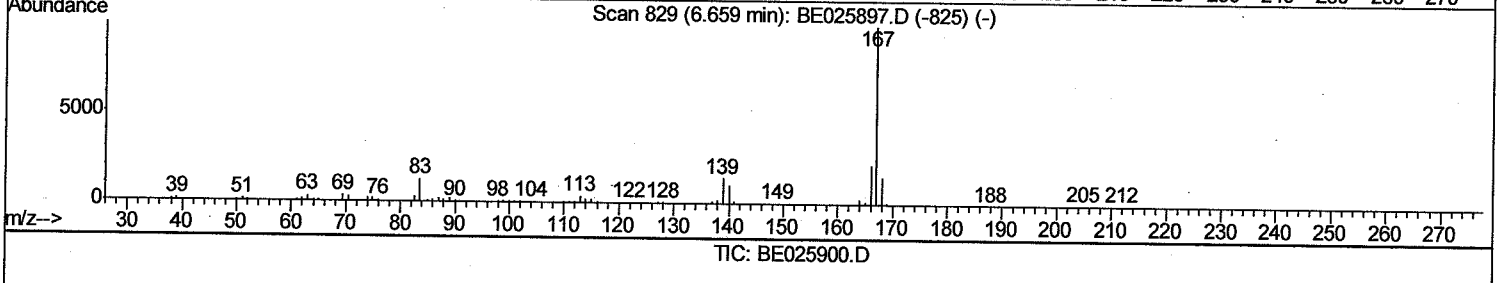
Ion	Exp%	Act%
167.00	100	100
166.00	22.00	23.74
139.00	14.20	14.96
0.00	0.00	0.00

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(71) Carbazole

6.661min (+0.002) 116.46ng m

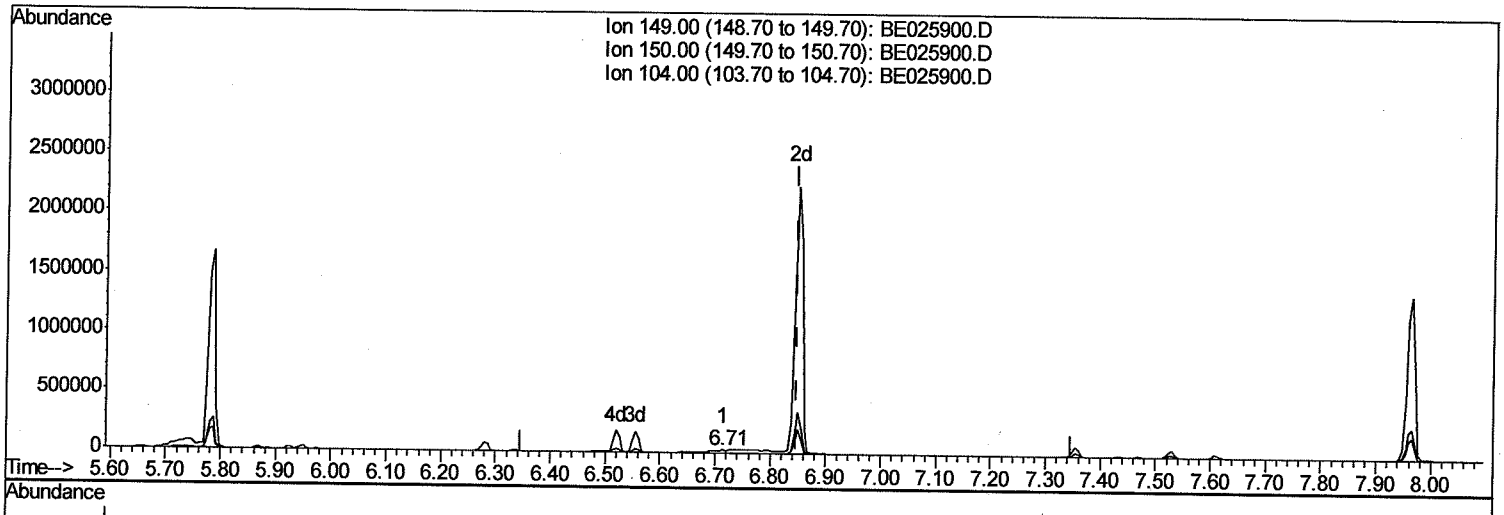
response 2241239

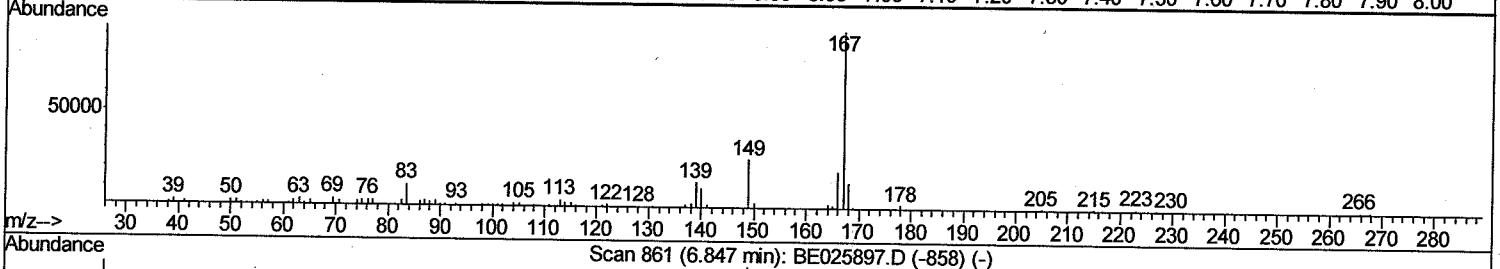
Ion	Exp%	Act%
167.00	100	100
166.00	22.00	23.74
139.00	14.20	14.96
0.00	0.00	0.00

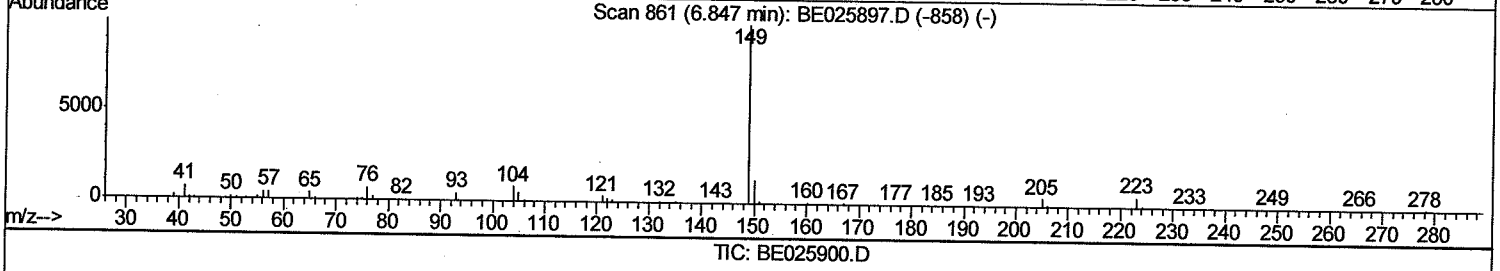
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(72) Di-n-butylphthalate

6.714min (-0.133) 3.46ng

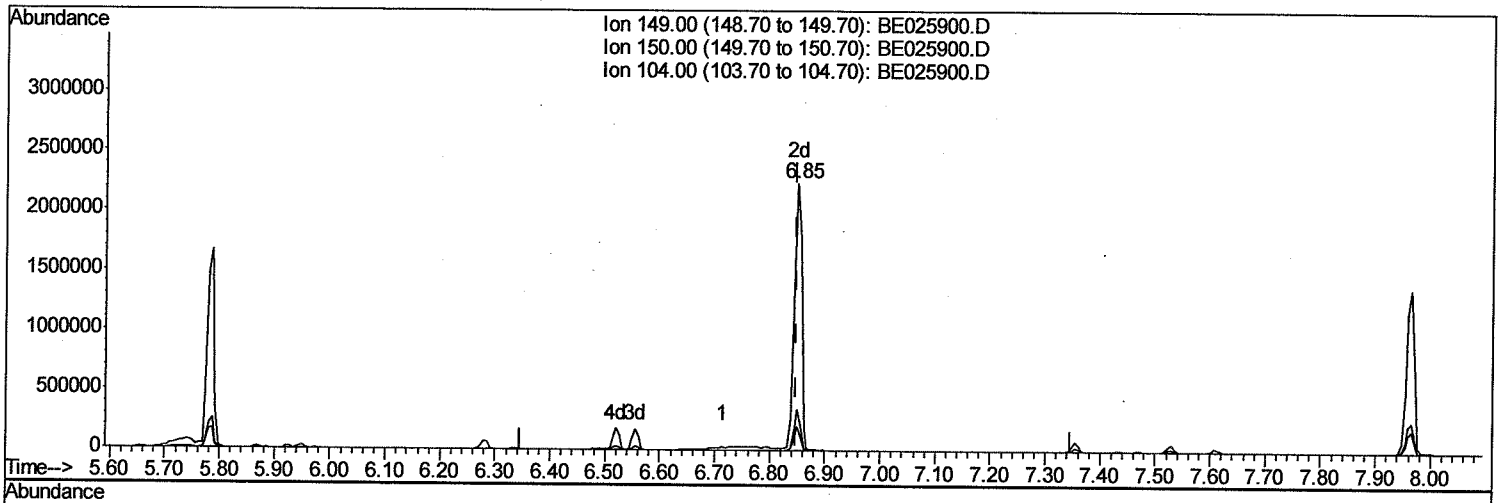
response 75111

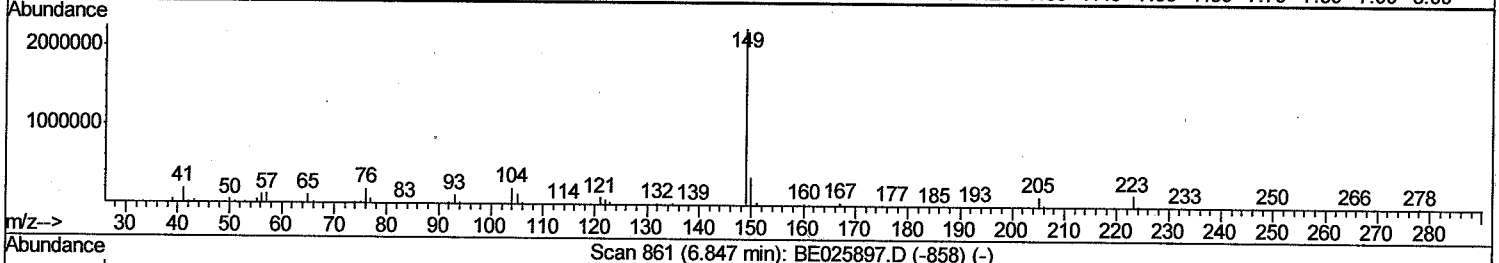
Ion	Exp%	Act%
149.00	100	100
150.00	12.80	11.62
104.00	8.00	6.62
0.00	0.00	0.00

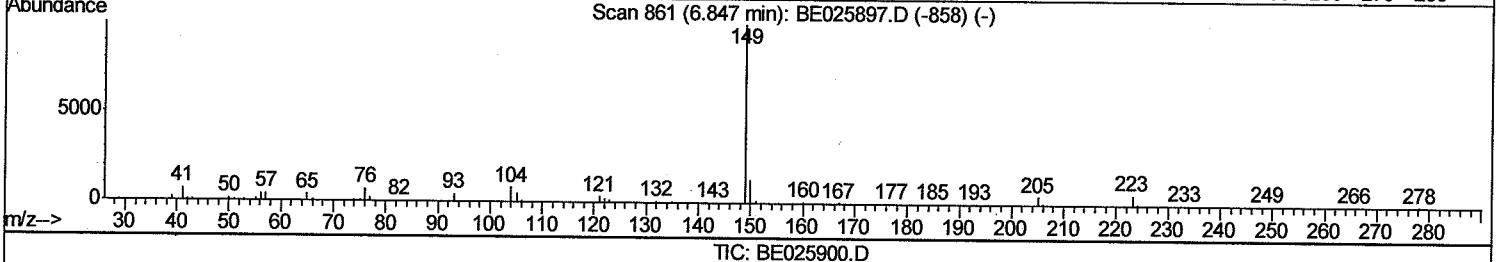
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025900.D
Acq On : 12 Oct 2005 9:38 pm
Operator : DHZ
Sample : 120 ng BNA ICC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 22:26:54 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025900.D

(72) Di-n-butylphthalate

6.849min (+0.002) 99.93ng m

response 2169773

Ion	Exp%	Act%
149.00	100	100
150.00	12.80	15.45#
104.00	8.00	9.27
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025901.D
Acq On : 12 Oct 2005 10:05 pm
Operator : DHZ
Sample : 50 ng BNA ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 22:30:42 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.66	152	301115	40.00 ng		0.00
22) Naphthalene-d8	4.44	136	1071071	40.00 ng		0.00
39) Acenaphthene-d10	5.54	164	591587	40.00 ng		0.00
62) Phenanthrene-d10	6.50	188	857674	40.00 ng		0.00
74) Chrysene-d12	8.47	240	745425	40.00 ng		0.00
85) Perylene-d12	10.22	264	884368	40.00 ng		-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	2.88	112	611757	52.38 ng		0.00
6) Phenol-d5	3.44	99	763714	53.03 ng		0.00
11) 2-Chlorophenol-d4	3.53	132	598565	53.83 ng		0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	355880	54.28 ng		0.00
24) Nitrobenzene-d5	4.00	82	630848	56.31 ng		0.00
41) 2,4,6-Tribromophenol	6.04	330	157752	52.97 ng		0.00
44) 2-Fluorobiphenyl	5.10	172	920653	55.03 ng		0.00
77) Terphenyl-d14	7.59	244	1012688	54.90 ng		0.00
Target Compounds						Qvalue
2) Pyridine	1.89	79	819872	51.54 ng		99
3) n-Nitrosodimethylamine	1.87	42	284963	51.43 ng		96
5) Aniline	3.47	93	1006641	57.23 ng		97
7) 2-Chlorophenol	3.55	128	622032	53.86 ng		97
8) Benzaldehyde	3.41	77	451131	62.85 ng		96
9) Phenol	3.45	94	902455	53.46 ng		99
10) bis(2-Chloroethyl)ether	3.49	93	668438	52.91 ng		98
12) 1,3-Dichlorobenzene	3.63	146	622601	53.99 ng		96
13) 1,4-Dichlorobenzene	3.68	146	629066	53.51 ng		98
15) 1,2-Dichlorobenzene	3.77	146	561904	54.63 ng		98
16) Benzyl Alcohol	3.74	79	556778	51.97 ng		98
17) 2,2'-oxybis(1-Chloropropan	3.81	45	542443	54.14 ng		78
18) 2-Methylphenol	3.81	107	469559	50.33 ng		96
19) Hexachloroethane	3.97	117	285359	52.88 ng		94
20) n-Nitroso-di-n-propylamine	3.89	70	412299	53.22 ng		97
21) 3+4-Methylphenols	3.90	107	600543	53.41 ng	#	80
23) Acetophenone	3.91	105	828591	58.52 ng	#	97
25) Nitrobenzene	4.01	77	667535	56.49 ng		94
26) Isophorone	4.15	82	1107513	54.70 ng		97
27) 2-Nitrophenol	4.20	139	316545	55.43 ng		95
28) 2,4-Dimethylphenol	4.22	122	532664	55.47 ng		99
29) bis(2-Chloroethoxy)methane	4.26	93	741862	54.71 ng		99
30) 2,4-Dichlorophenol	4.36	162	447495	55.45 ng		96
31) 1,2,4-Trichlorobenzene	4.40	180	478066	56.95 ng		98
32) Naphthalene	4.46	128	1407086	57.43 ng		95
33) Benzoic acid	4.30	122	149486	51.72 ng		95
34) 4-Chloroaniline	4.48	127	674487	58.78 ng		96
35) Hexachlorobutadiene	4.52	225	246640	55.52 ng		99
36) Caprolactam	4.71	113	200105	64.05 ng		96
37) 4-Chloro-3-methylphenol	4.78	107	503686	53.67 ng		93
38) 2-Methylnaphthalene	4.95	142	937542	56.01 ng		98
40) Hexachlorocyclopentadiene	4.97	237	131871	50.23 ng		97

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025901.D
Acq On : 12 Oct 2005 10:05 pm
Operator : DHZ
Sample : 50 ng BNA ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 22:30:42 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration

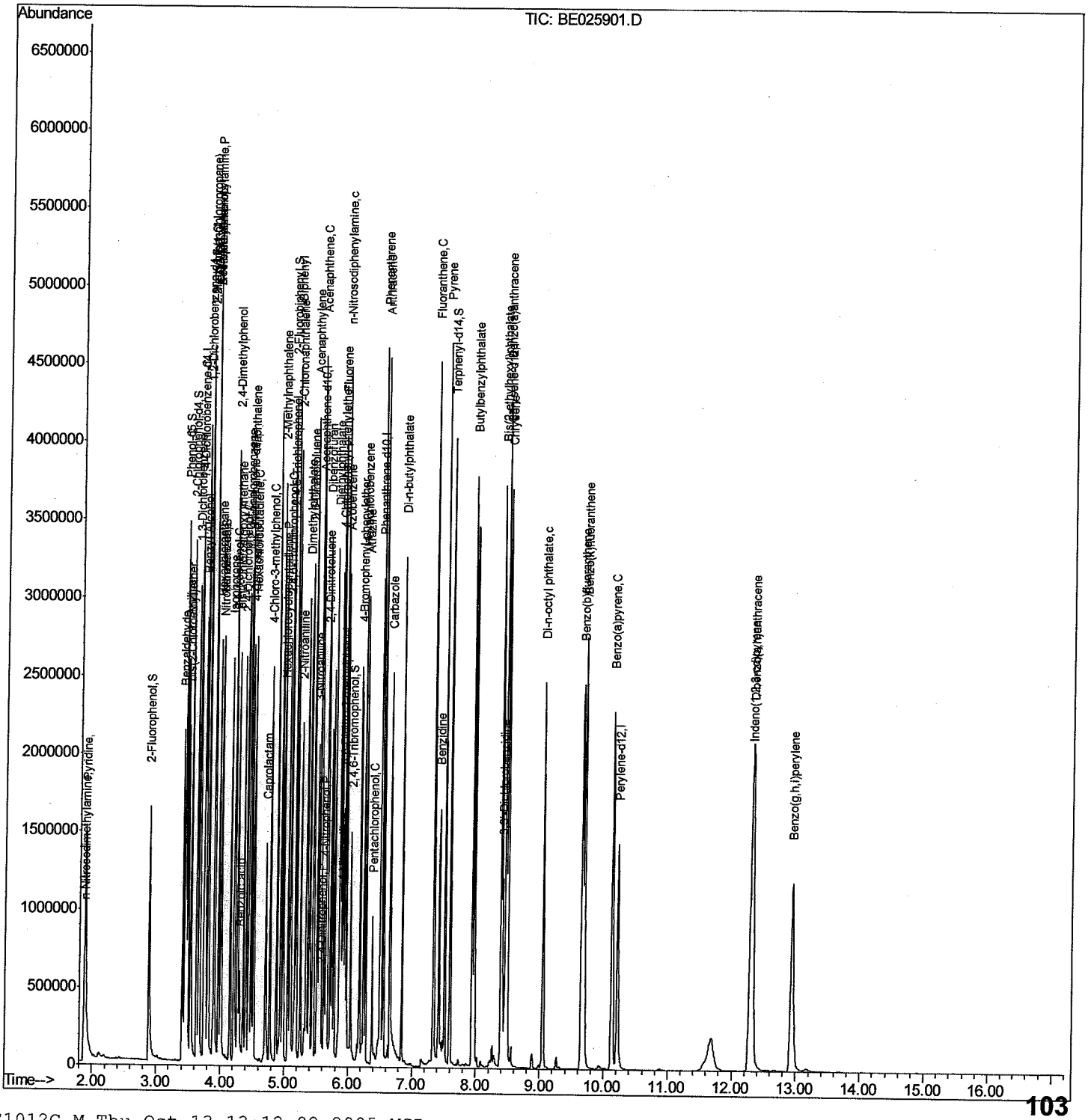
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2,4,6-Trichlorophenol	5.06	196	275278	52.31 ng	96
43) 2,4,5-Trichlorophenol	5.09	196	287641	54.00 ng	94
45) 1,1'-Biphenyl	5.16	154	1160444	56.25 ng	97
46) 2-Chloronaphthalene	5.19	162	887758	54.98 ng	97
47) 2-Nitroaniline	5.25	65	327946	56.00 ng	90
48) Acenaphthylene	5.45	152	1333077	54.59 ng	99
49) Dimethylphthalate	5.34	163	886621	54.86 ng	99
50) 2,6-Dinitrotoluene	5.39	165	232940	54.19 ng	89
51) Acenaphthene	5.56	154	902315	54.55 ng	99
52) 3-Nitroaniline	5.51	138	248299	55.12 ng	94
53) 2,4-Dinitrophenol	5.58	184	42795	38.04 ng	92
54) Dibenzofuran	5.67	168	1183319	62.92 ng	93
55) 4-Nitrophenol	5.61	139	159678	50.12 ng	92
56) 2,4-Dinitrotoluene	5.65	165	290142	53.92 ng	93
57) Fluorene	5.89	166	920639	55.40 ng	99
58) Diethylphthalate	5.78	149	846334	54.21 ng	99
59) 4-Chlorophenyl-phenylether	5.87	204	446493	55.56 ng	91
60) 4-Nitroaniline	5.90	138	223168	44.14 ng	99
61) Azobenzene	5.97	77	971060	53.12 ng	95
63) 4,6-Dinitro-2-methylphenol	5.92	198	138492	49.40 ng	84
64) n-Nitrosodiphenylamine	5.94	169	762332	55.87 ng	99
65) 4-Bromophenyl-phenylether	6.18	248	283023m	57.74 ng	
66) Hexachlorobenzene	6.24	284	303840	55.86 ng	96
67) Atrazine	6.27	200	260716	54.81 ng	99
68) Pentachlorophenol	6.37	266	106858	47.28 ng	99
69) Phenanthrene	6.51	178	1325644	57.38 ng	97
70) Anthracene	6.55	178	1270349	57.11 ng	98
71) Carbazole	6.65	167	1204381	56.00 ng	99
72) Di-n-butylphthalate	6.84	149	1392184	57.38 ng	97
73) Fluoranthene	7.34	202	1348096	56.41 ng	98
75) Benzidine	7.42	184	443149	52.24 ng	97
76) Pyrene	7.51	202	1410834	56.22 ng	98
78) Butylbenzylphthalate	7.94	149	751406	54.05 ng	99
79) Benzo(a)anthracene	8.46	228	1442768	56.54 ng	98
80) 3,3'-Dichlorobenzidine	8.42	252	311684	53.79 ng	98
81) Chrysene	8.49	228	1301591	53.69 ng	98
82) Bis(2-ethylhexyl)phthalate	8.39	149	1004761	54.61 ng	99
83) Di-n-octyl phthalate	9.05	149	1738148	53.44 ng	99
84) Indeno(1,2,3-cd)pyrene	12.30	276	1778309	51.59 ng	99
86) Benzo(b)fluoranthene	9.66	252	1617386	54.87 ng	98
87) Benzo(k)fluoranthene	9.69	252	1431455	51.78 ng	99
88) Benzo(a)pyrene	10.13	252	1488083	52.96 ng	99
89) Dibenzo(a,h)anthracene	12.32	278	1482187	51.24 ng	98
90) Benzo(g,h,i)perylene	12.95	276	1497855	51.48 ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025901.D
Acq On : 12 Oct 2005 10:05 pm
Operator : DHZ
Sample : 50 ng BNA ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

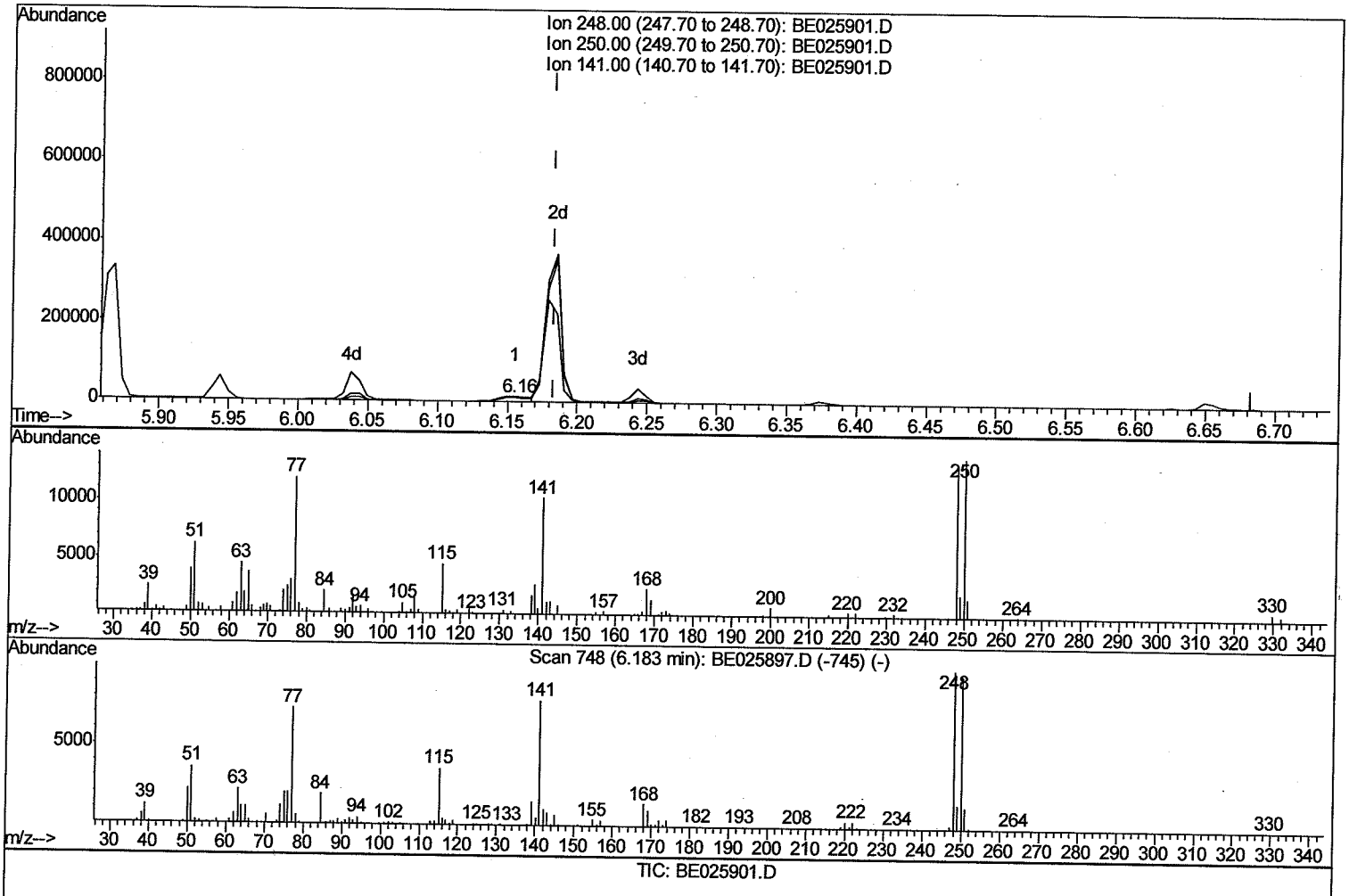
Quant Time: Oct 12 22:30:42 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025901.D
Acq On : 12 Oct 2005 10:05 pm
Operator : DHZ
Sample : 50 ng BNA ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 22:29:30 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration



TIC: BE025901.D

(65) 4-Bromophenyl-phenylether

6.155min (-0.027) 4.36ng

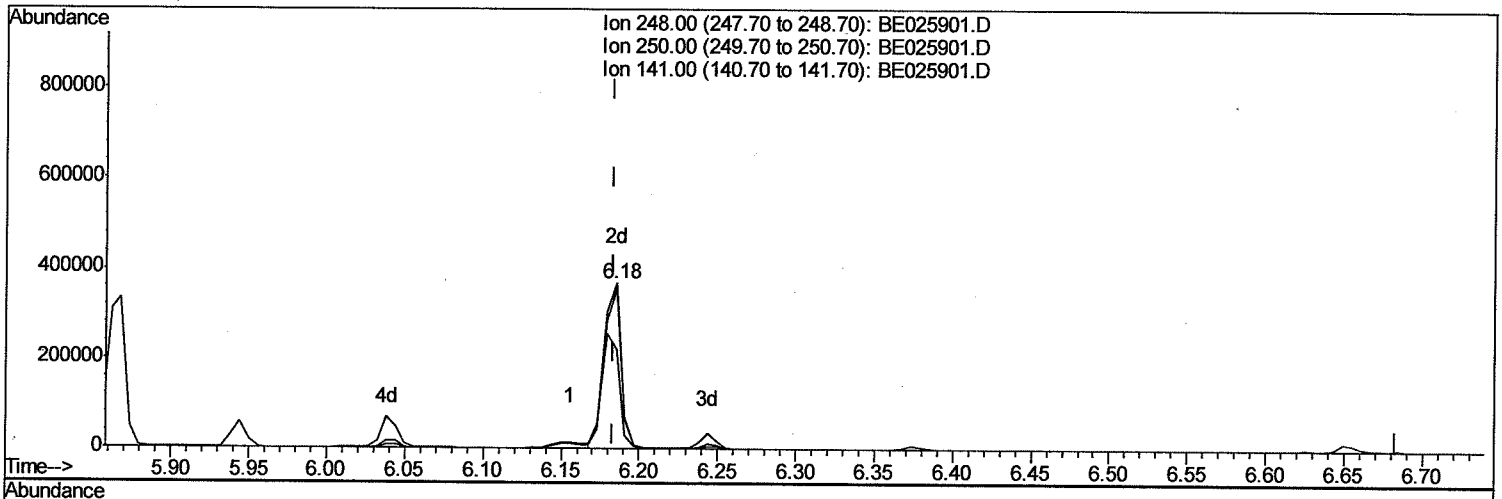
response 21368

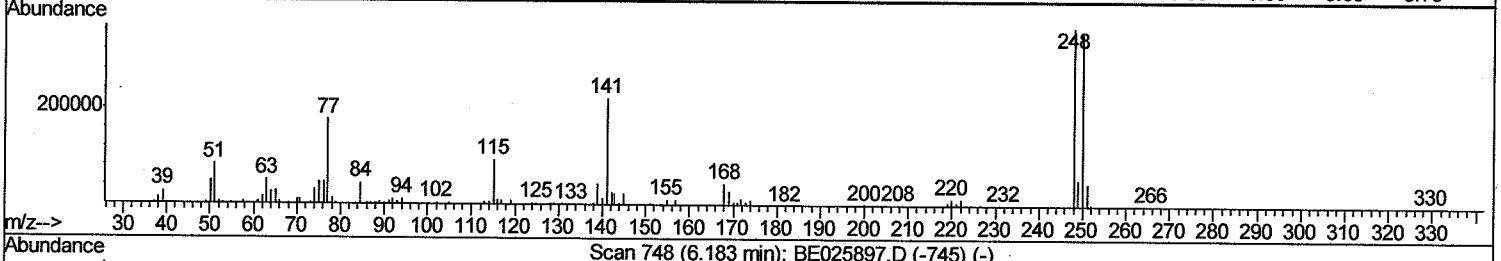
Ion	Exp%	Act%
248.00	100	100
250.00	96.50	104.95
141.00	79.10	77.23
0.00	0.00	0.00

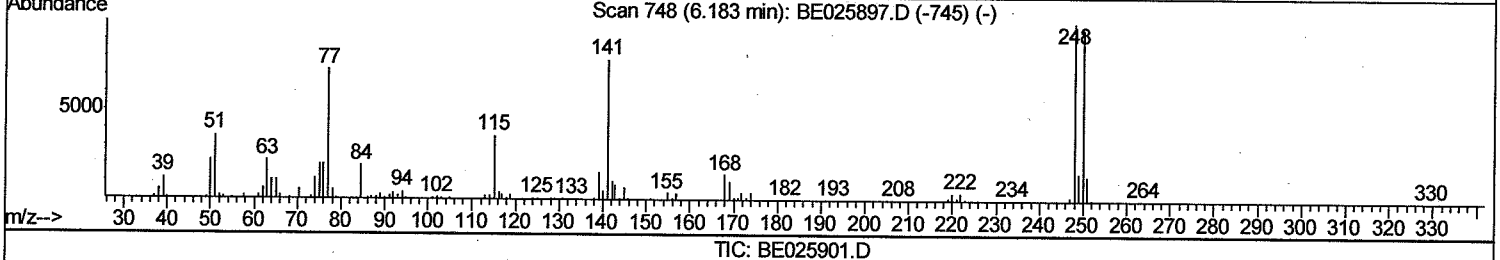
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025901.D
Acq On : 12 Oct 2005 10:05 pm
Operator : DHZ
Sample : 50 ng BNA ICC
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 22:29:30 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 21:44:25 2005
Response via : Initial Calibration







TIC: BE025901.D

(65) 4-Bromophenyl-phenylether

6.185min (+0.002) 57.74ng m

response 283023

Ion	Exp%	Act%
248.00	100	100
250.00	96.50	96.63
141.00	79.10	59.72#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.66	152	236198	40.00 ng	0.00
22) Naphthalene-d8	4.44	136	871047	40.00 ng	0.00
39) Acenaphthene-d10	5.54	164	482278	40.00 ng	0.00
62) Phenanthrene-d10	6.52	188	700637m	40.00 ng	0.02
74) Chrysene-d12	8.57	240	609750	40.00 ng	0.09
85) Perylene-d12	10.34	264	714346	40.00 ng	0.11
System Monitoring Compounds					
4) 2-Fluorophenol	2.89	112	711102	80.40 ng	0.00
6) Phenol-d5	3.44	99	872091	78.84 ng	0.00
11) 2-Chlorophenol-d4	3.53	132	690002	80.09 ng	0.00
14) 1,2-Dichlorobenzene-d4	3.76	152	404571	80.86 ng	0.00
24) Nitrobenzene-d5	4.00	82	719176	77.57 ng	0.00
41) 2,4,6-Tribromophenol	6.05	330	205358	79.73 ng	0.01
44) 2-Fluorobiphenyl	5.10	172	1092464	80.55 ng	0.00
77) Terphenyl-d14	7.66	244	1231380	83.20 ng	0.06
Target Compounds					Qvalue
2) Pyridine	1.89	79	988693	80.42 ng	99
3) n-Nitrosodimethylamine	1.88	42	340473	80.75 ng	97
5) Aniline	3.47	93	1077981	75.55 ng	98
7) 2-Chlorophenol	3.54	128	713609	79.83 ng	98
8) Benzaldehyde	3.40	77	434321	77.31 ng	98
9) Phenol	3.45	94	1021281	79.76 ng	99
10) bis(2-Chloroethyl)ether	3.49	93	761973	77.09 ng	99
12) 1,3-Dichlorobenzene	3.63	146	715449	80.25 ng	99
13) 1,4-Dichlorobenzene	3.67	146	727660	80.06 ng	99
15) 1,2-Dichlorobenzene	3.77	146	646574	81.25 ng	99
16) Benzyl Alcohol	3.74	79	638471	78.97 ng	100
17) 2,2'-oxybis(1-Chloropropan	3.81	45	593801	74.78 ng	99
18) 2-Methylphenol	3.81	107	572147	81.23 ng	99
19) Hexachloroethane	3.97	117	329321	79.26 ng	98
20) n-Nitroso-di-n-propylamine	3.90	70	458096	75.79 ng	97
21) 3+4-Methylphenols	3.90	107	693221	82.01 ng	97
23) Acetophenone	3.90	105	920723	79.19 ng	100
25) Nitrobenzene	4.01	77	750840	77.80 ng	99
26) Isophorone	4.15	82	1283266	76.74 ng	98
27) 2-Nitrophenol	4.20	139	375382	80.99 ng	97
28) 2,4-Dimethylphenol	4.21	122	635670	82.62 ng	99
29) bis(2-Chloroethoxy)methane	4.27	93	860467	77.78 ng	100
30) 2,4-Dichlorophenol	4.36	162	541556	81.81 ng	96
31) 1,2,4-Trichlorobenzene	4.40	180	560233	80.83 ng	100
32) Naphthalene	4.46	128	1618081	80.81 ng	100
33) Benzoic acid	4.30	122	190862	74.64 ng	98
34) 4-Chloroaniline	4.48	127	763806	80.83 ng	99
35) Hexachlorobutadiene	4.52	225	290465	79.78 ng	99
36) Caprolactam	4.71	113	201314	69.39 ng	94
37) 4-Chloro-3-methylphenol	4.78	107	605049	80.52 ng	99
38) 2-Methylnaphthalene	4.94	142	1089162	79.95 ng	99
40) Hexachlorocyclopentadiene	4.97	237	172447	79.77 ng	99

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

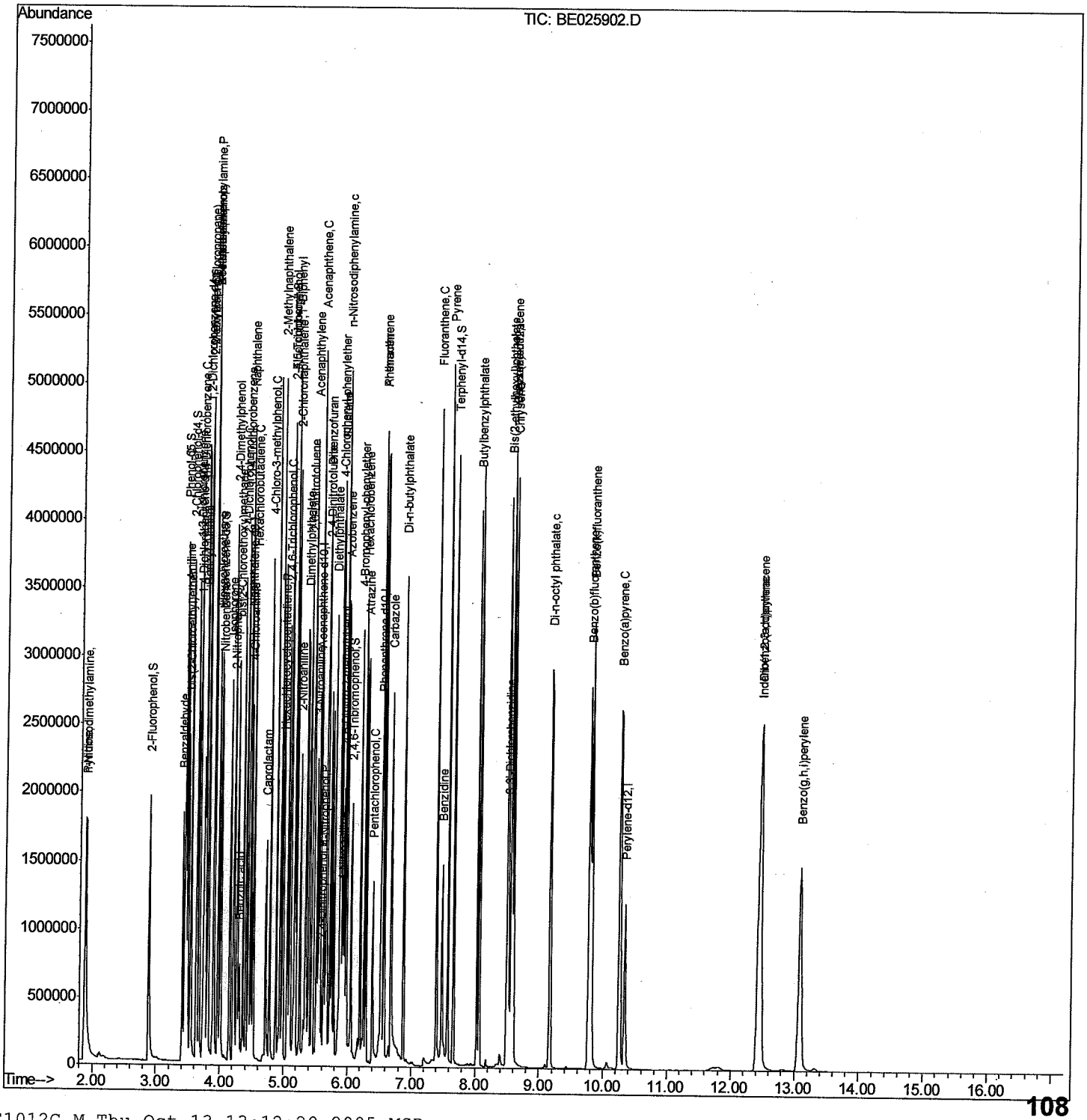
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2,4,6-Trichlorophenol	5.05	196	340886	74.87 ng	99
43) 2,4,5-Trichlorophenol	5.09	196	352465	81.16 ng	99
45) 1,1'-Biphenyl	5.17	154	1349006	76.84 ng	99
46) 2-Chloronaphthalene	5.19	162	1051383	78.50 ng	99
47) 2-Nitroaniline	5.25	65	362164	72.27 ng	99
48) Acenaphthylene	5.45	152	1588882	77.92 ng	97
49) Dimethylphthalate	5.35	163	1054801	75.68 ng	98
50) 2,6-Dinitrotoluene	5.40	165	280316	76.40 ng	98
51) Acenaphthene	5.56	154	1087267	80.72 ng	99
52) 3-Nitroaniline	5.51	138	297622	75.81 ng	95
53) 2,4-Dinitrophenol	5.58	184	65345	70.09 ng	95
54) Dibenzofuran	5.67	168	1378907	84.12 ng	97
55) 4-Nitrophenol	5.62	139	210384	71.24 ng	94
56) 2,4-Dinitrotoluene	5.66	165	361428	79.07 ng	90
57) Fluorene	5.89	166	1108792	78.74 ng	99
58) Diethylphthalate	5.79	149	1012701	76.53 ng	99
59) 4-Chlorophenyl-phenylether	5.87	204	529831	77.53 ng	99
60) 4-Nitroaniline	5.91	138	321070m	81.46 ng	
61) Azobenzene	5.98	77	1143249	74.44 ng	95
63) 4,6-Dinitro-2-methylphenol	5.93	198	181487	84.09 ng	83
64) n-Nitrosodiphenylamine	5.95	169	894278	80.26 ng	99
65) 4-Bromophenyl-phenylether	6.19	248	343449m	82.74 ng	
66) Hexachlorobenzene	6.26	284	362707m	80.56 ng	
67) Atrazine	6.29	200	309656	79.62 ng	99
68) Pentachlorophenol	6.39	266	141031	73.22 ng	95
69) Phenanthrene	6.54	178	1548403	82.24 ng	97
70) Anthracene	6.54	178	1548403	84.53 ng	98
71) Carbazole	6.68	167	1314566	71.63 ng	99
72) Di-n-butylphthalate	6.88	149	1616847	80.50 ng	99
73) Fluoranthene	7.40	202	1629259m	84.72 ng	
75) Benzidine	7.48	184	557522	86.73 ng	100
76) Pyrene	7.58	202	1672673	82.27 ng	99
78) Butylbenzylphthalate	8.03	149	912873	81.53 ng	97
79) Benzo(a)anthracene	8.56	228	1680595	79.67 ng	99
80) 3,3'-Dichlorobenzidine	8.52	252	391537	78.49 ng	98
81) Chrysene	8.60	228	1603003	84.48 ng	100
82) Bis(2-ethylhexyl)phthalate	8.50	149	1207825	81.56 ng	99
83) Di-n-octyl phthalate	9.17	149	2087637	80.95 ng	99
84) Indeno(1,2,3-cd)pyrene	12.45	276	2216973	80.05 ng	100
86) Benzo(b)fluoranthene	9.78	252	2044893	85.16 ng	98
87) Benzo(k)fluoranthene	9.81	252	1673439	79.33 ng	99
88) Benzo(a)pyrene	10.26	252	1840550	82.70 ng	100
89) Dibenzo(a,h)anthracene	12.47	278	1867443	82.33 ng	98
90) Benzo(g,h,i)perylene	13.09	276	1857913	81.08 ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

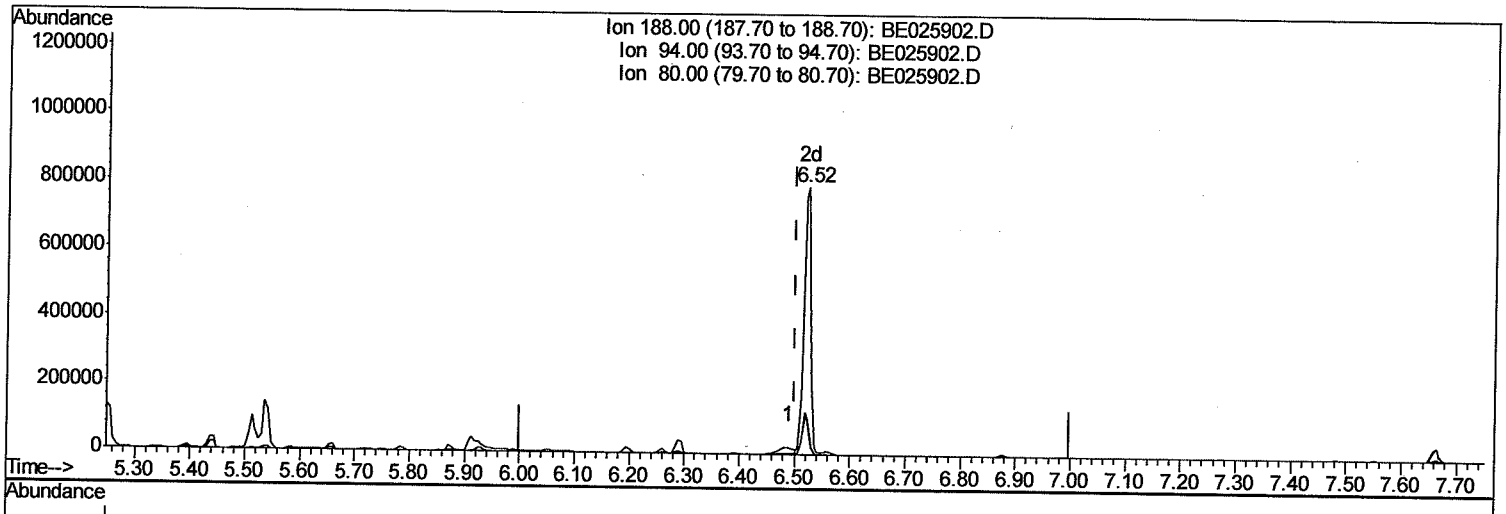
Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

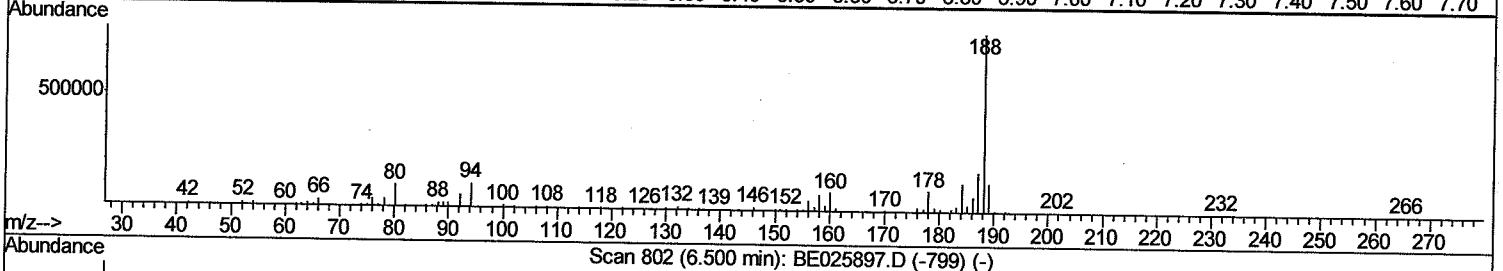


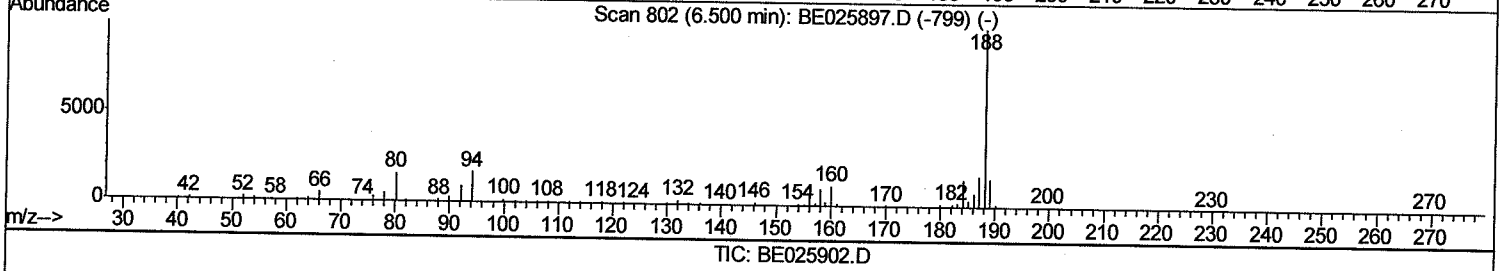
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration







TIC: BE025902.D

(62) Phenanthrene-d10 (I)

6.523min (+0.023) 40.00ng m

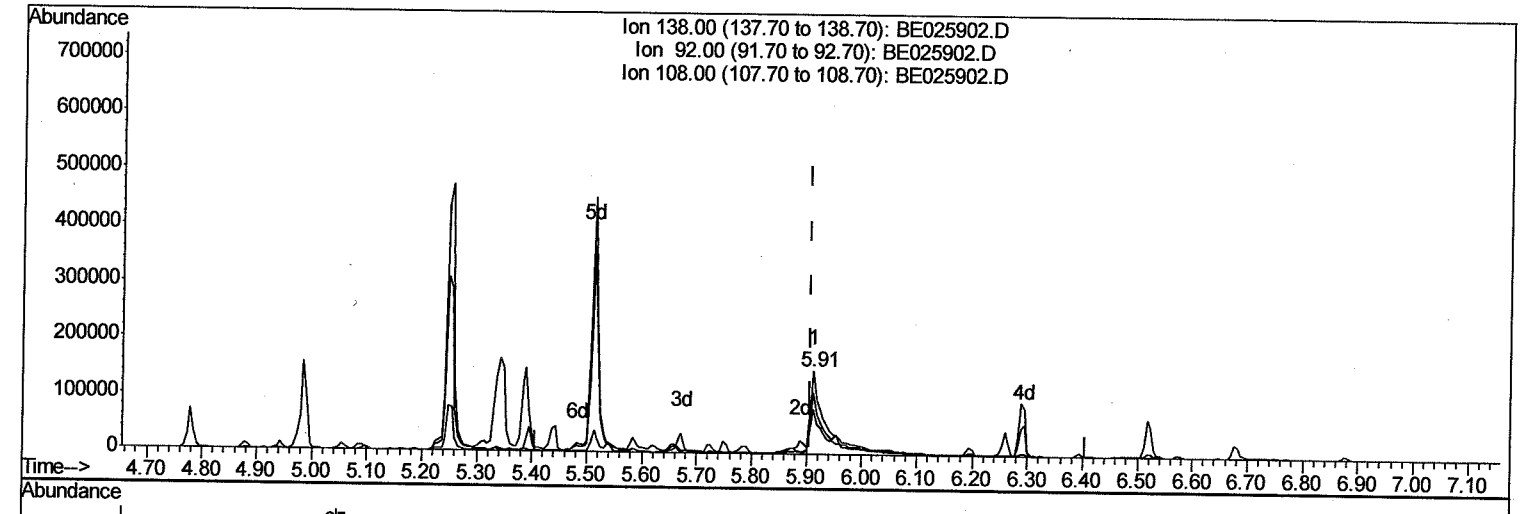
response 700637

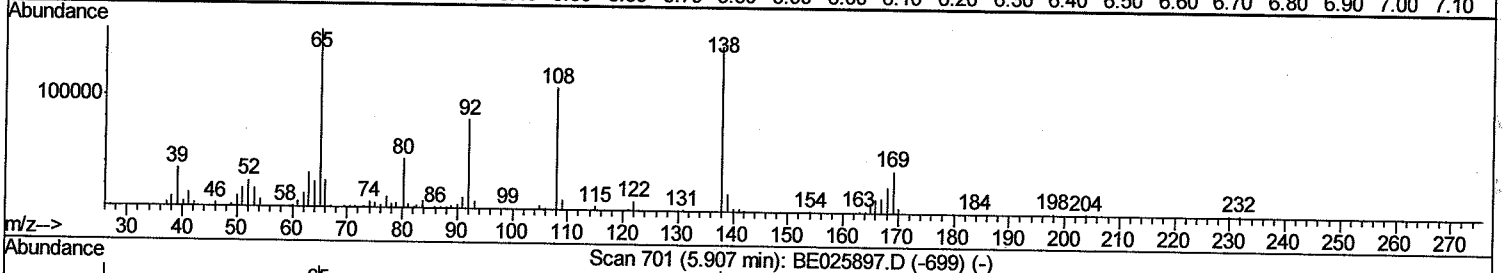
Ion	Exp%	Act%
188.00	100	100
94.00	17.00	13.41#
80.00	15.80	12.36#
0.00	0.00	0.00

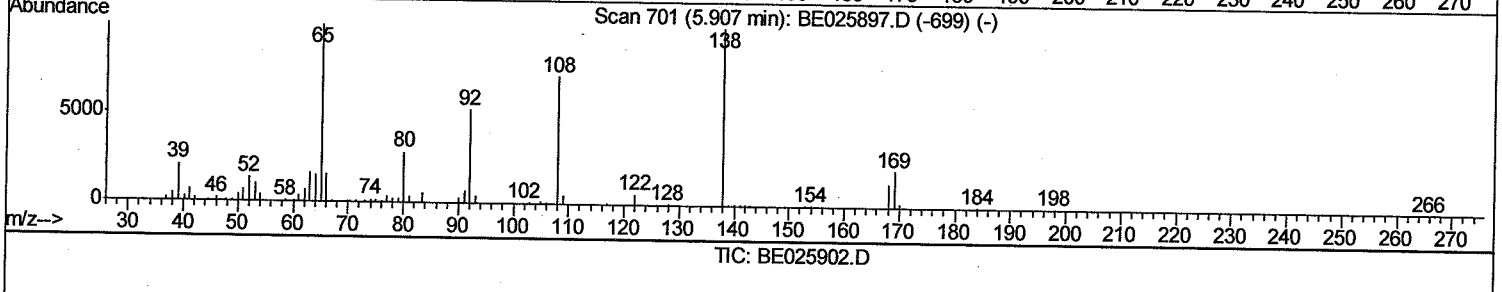
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration







TIC: BE025902.D

(60) 4-Nitroaniline

5.912min (+0.006) 81.46ng m

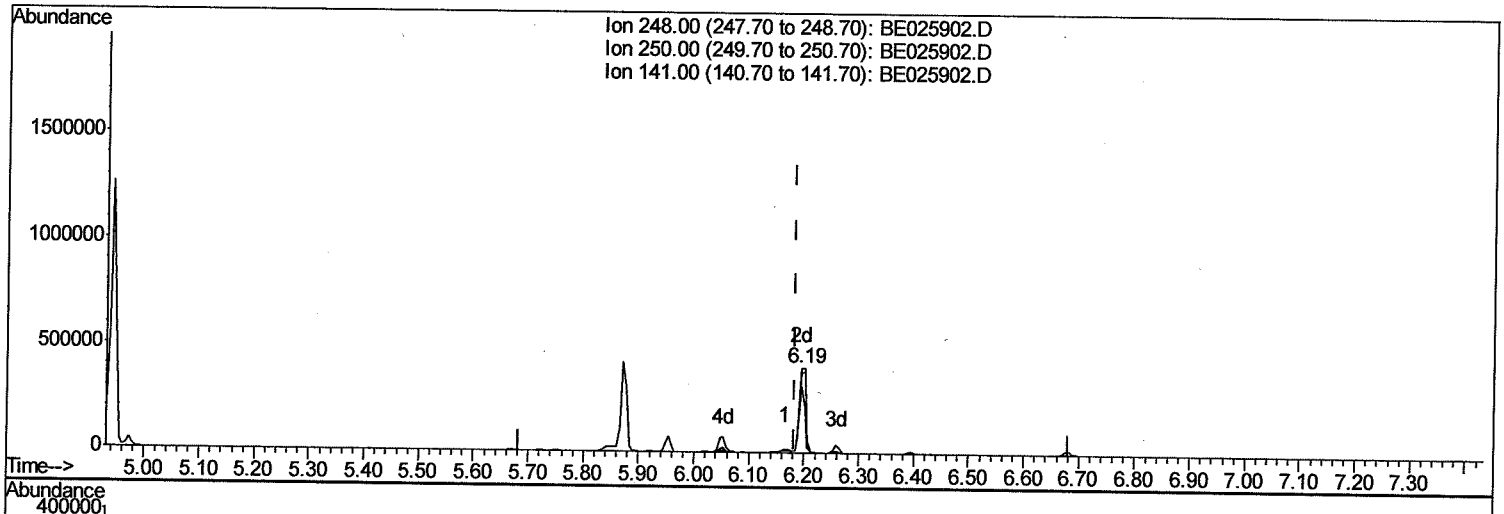
response 321070

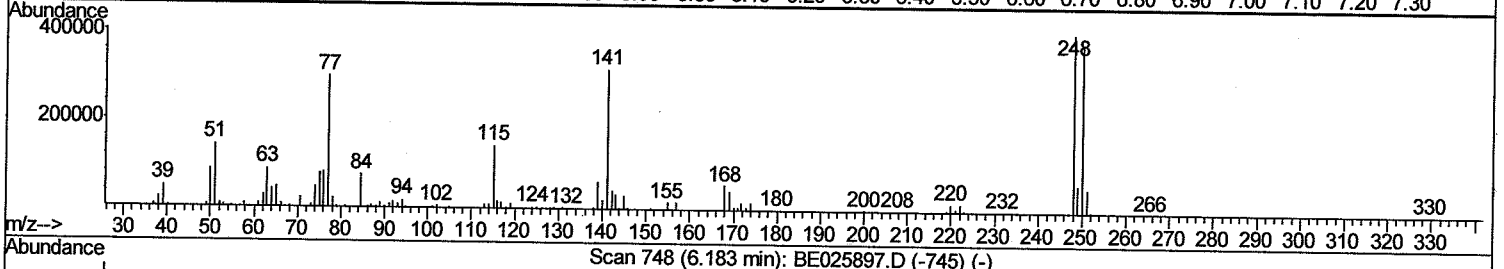
Ion	Exp%	Act%
138.00	100	100
92.00	55.10	53.96
108.00	72.80	74.21
0.00	0.00	0.00

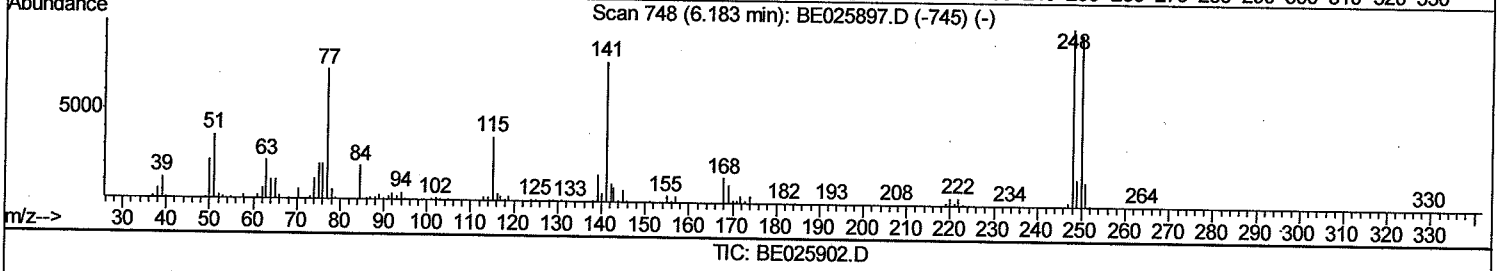
Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration







TIC: BE025902.D

(65) 4-Bromophenyl-phenylether

6.194min (+0.012) 82.74ng m

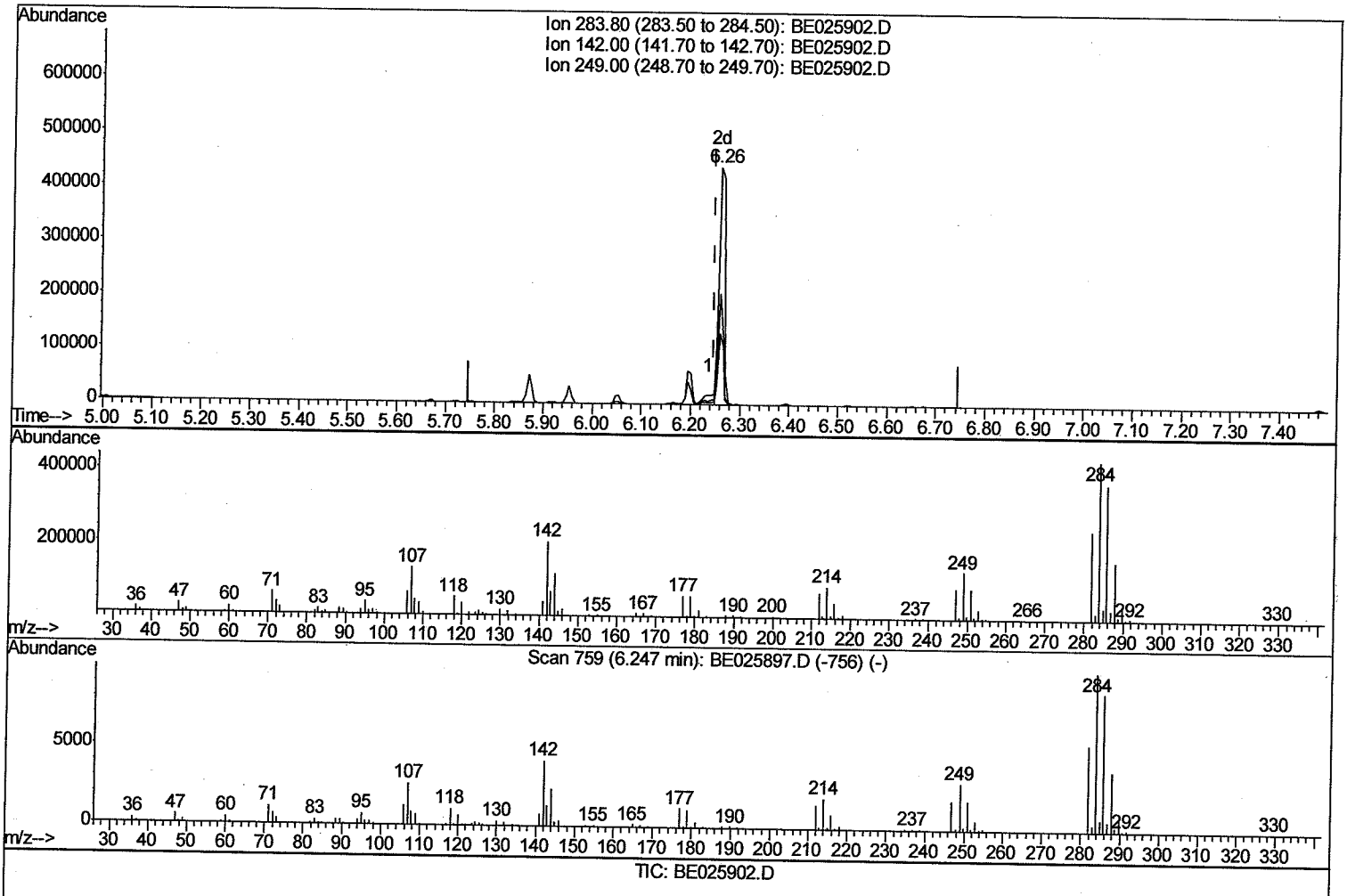
response 343449

Ion	Exp%	Act%
248.00	100	100
250.00	96.50	93.77
141.00	79.10	78.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



TIC: BE025902.D

(66) Hexachlorobenzene

6.259min (+0.012) 80.56ng m

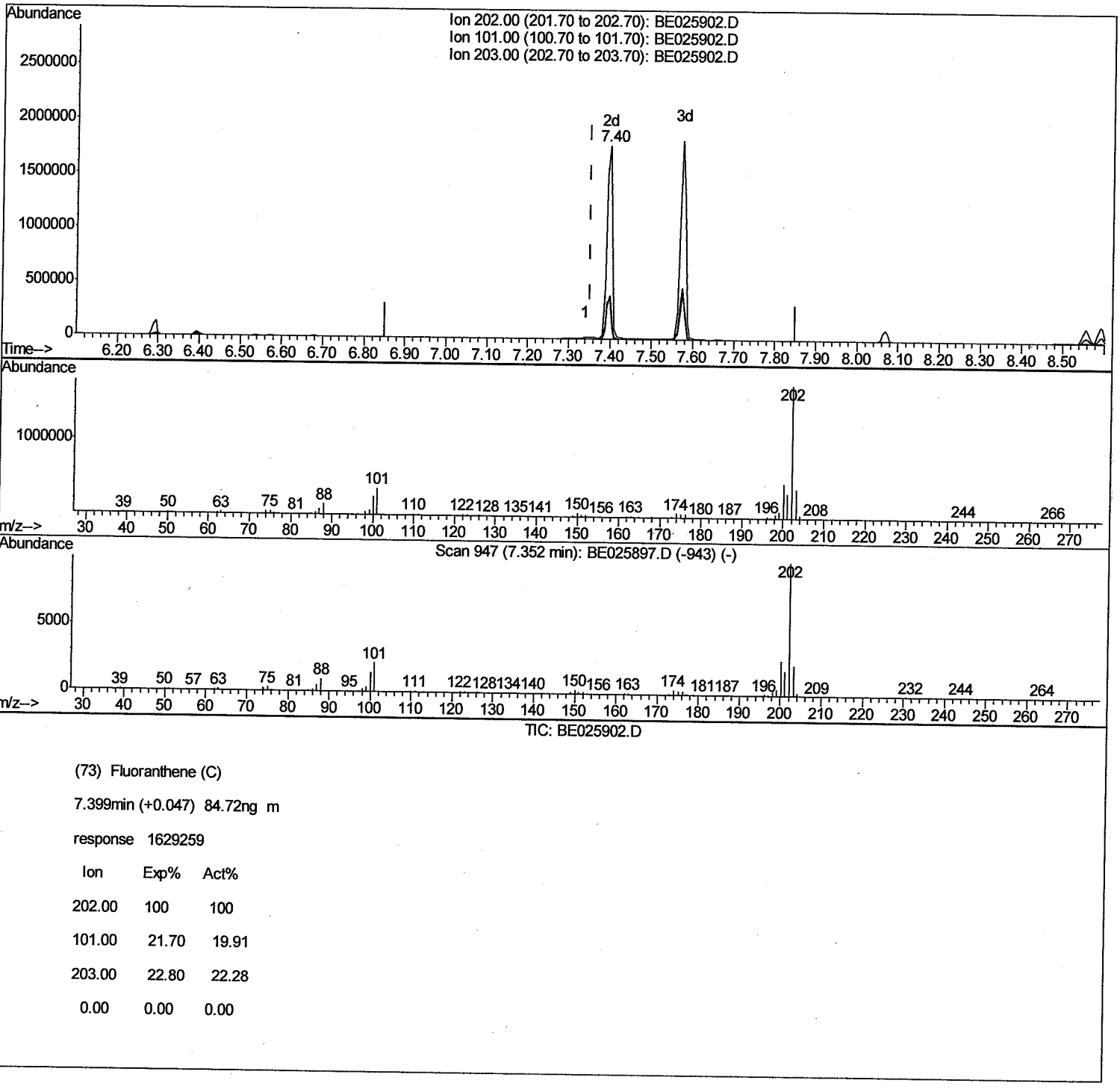
response 362707

Ion	Exp%	Act%
283.80	100	100
142.00	41.50	46.83
249.00	29.60	29.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



TIC: BE025902.D

(73) Fluoranthene (C)

7.399min (+0.047) 84.72ng m

response 1629259

Ion	Exp%	Act%
202.00	100	100
101.00	21.70	19.91
203.00	22.80	22.28
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		Pyridine	2.082	2.093	-0.5	101	0.00
3		n-Nitrosodimethylamine	0.714	0.721	-1.0	99	0.00
4	S	2-Fluorophenol	1.498	1.505	-0.5	99	0.00
5		Aniline	2.416	2.282	5.5	99	0.00
6	S	Phenol-d5	1.873	1.846	1.4	98	0.00
7		2-Chlorophenol	1.514	1.511	0.2	100	0.00
8		Benzaldehyde	0.951	0.919	3.4	98	0.00
9	C	Phenol	2.168	2.162	0.3	98	0.00
10		bis(2-Chloroethyl)ether	1.674	1.613	3.6	98	0.00
11	S	2-Chlorophenol-d4	1.459	1.461	-0.1	100	0.00
12		1,3-Dichlorobenzene	1.510	1.515	-0.3	100	0.00
13	C	1,4-Dichlorobenzene	1.539	1.540	-0.1	100	0.00
14	s	1,2-Dichlorobenzene-d4	0.847	0.856	-1.1	100	0.00
15		1,2-Dichlorobenzene	1.348	1.369	-1.6	102	0.00
16		Benzyl Alcohol	1.369	1.352	1.2	96	0.00
17		2,2'-oxybis(1-Chloropropane	1.345	1.257	6.5	96	0.00
18		2-Methylphenol	1.193	1.211	-1.5	99	0.00
19		Hexachloroethane	0.704	0.697	1.0	99	0.00
20	P	n-Nitroso-di-n-propylamine	1.024	0.970	5.3	96	0.00
21		3+4-Methylphenols	1.431	1.467	-2.5	100	0.00
22	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
23		Acetophenone	0.534	0.529	0.9	99	0.00
24	S	Nitrobenzene-d5	0.426	0.413	3.1	98	0.00
25		Nitrobenzene	0.443	0.431	2.7	97	0.00
26		Isophorone	0.768	0.737	4.0	96	0.00
27	C	2-Nitrophenol	0.213	0.215	-0.9	100	0.00
28		2,4-Dimethylphenol	0.353	0.365	-3.4	101	0.00
29		bis(2-Chloroethoxy)methane	0.508	0.494	2.8	97	0.00
30	C	2,4-Dichlorophenol	0.304	0.311	-2.3	102	0.00
31		1,2,4-Trichlorobenzene	0.318	0.322	-1.3	102	0.00
32		Naphthalene	0.919	0.929	-1.1	100	0.00
33		Benzoic acid	0.117	0.110	6.0	100	0.00
34		4-Chloroaniline	0.434	0.438	-0.9	101	0.00
35	C	Hexachlorobutadiene	0.167	0.167	0.0	99	0.00
36		Caprolactam	0.133	0.116	12.8	98	0.00
37	C	4-Chloro-3-methylphenol	0.345	0.347	-0.6	98	0.00
38		2-Methylnaphthalene	0.626	0.625	0.2	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40	P	Hexachlorocyclopentadiene	0.179	0.179	0.0	101	0.00
41	S	2,4,6-Tribromophenol	0.214	0.213	0.5	106	0.01
42	C	2,4,6-Trichlorophenol	0.378	0.353	6.6	100	0.00
43		2,4,5-Trichlorophenol	0.360	0.365	-1.4	102	0.00
44	S	2-Fluorobiphenyl	1.125	1.133	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
45		1,1'-Biphenyl	1.456	1.399	3.9	101	0.00
46		2-Chloronaphthalene	1.111	1.090	1.9	100	0.00
47		2-Nitroaniline	0.416	0.375	9.9	95	0.00
48		Acenaphthylene	1.691	1.647	2.6	100	0.00
49		Dimethylphthalate	1.156	1.094	5.4	100	0.00
50		2,6-Dinitrotoluene	0.304	0.291	4.3	100	0.00
51	C	Acenaphthene	1.117	1.127	-0.9	101	0.00
52		3-Nitroaniline	0.326	0.309	5.2	102	0.00
53	P	2,4-Dinitrophenol	0.077	0.068	11.7	89	0.00
54		Dibenzofuran	1.360	1.430	-5.1	113	0.00
55	P	4-Nitrophenol	0.245	0.218	11.0	102	0.00
56		2,4-Dinitrotoluene	0.379	0.375	1.1	103	0.00
57		Fluorene	1.168	1.150	1.5	103	0.01
58		Diethylphthalate	1.098	1.050	4.4	100	0.00
59		4-Chlorophenyl-phenylether	0.567	0.549	3.2	101	0.00
60		4-Nitroaniline	0.327	0.333	-1.8	98	0.00
61		Azobenzene	1.274	1.185	7.0	96	0.00
62	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.02
63		4,6-Dinitro-2-methylphenol	0.123	0.130	-5.7	99	0.01
64	c	n-Nitrosodiphenylamine	0.636	0.638	-0.3	100	0.00
65		4-Bromophenyl-phenylether	0.237	0.245	-3.4	107	0.01
66		Hexachlorobenzene	0.257	0.259	-0.8	101	0.01
67		Atrazine	0.222	0.221	0.5	99	0.02
68	C	Pentachlorophenol	0.110	0.101	8.2	95	0.02
69		Phenanthrene	1.075	1.105	-2.8	102	0.02
70		Anthracene	1.046	1.105	-5.6	106	-0.01
71		Carbazole	1.048	0.938	10.5	93	0.02
72		Di-n-butylphthalate	1.147	1.154	-0.6	101	0.03
73	C	Fluoranthene	1.098	1.163	-5.9	104	0.05
74	I	Chrysene-d12	1.000	1.000	0.0	100	0.09
75		Benzidine	0.422	0.457	-8.3	100	0.05
76		Pyrene	1.334	1.372	-2.8	102	0.05
77	S	Terphenyl-d14	0.971	1.010	-4.0	102	0.06
78		Butylbenzylphthalate	0.735	0.749	-1.9	100	0.08
79		Benzo(a)anthracene	1.384	1.378	0.4	100	0.09
80		3,3'-Dichlorobenzidine	0.327	0.321	1.8	103	0.09
81		Chrysene	1.245	1.314	-5.5	101	0.09
82		Bis(2-ethylhexyl)phthalate	0.972	0.990	-1.9	100	0.09
83	c	Di-n-octyl phthalate	1.692	1.712	-1.2	98	0.10
84		Indeno(1,2,3-cd)pyrene	1.817	1.818	-0.1	98	0.12
85	I	Perylene-d12	1.000	1.000	0.0	99	0.11
86		Benzo(b)fluoranthene	1.345	1.431	-6.4	106	0.11
87		Benzo(k)fluoranthene	1.181	1.171	0.8	93	0.10

Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101205\
Data File : BE025902.D
Acq On : 12 Oct 2005 10:29 pm
Operator : DHZ
Sample : 80 ng BNA ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 13:00:52 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
88 C	Benzo(a)pyrene	1.246	1.288	-3.4	100	0.11
89	Dibenzo(a,h)anthracene	1.270	1.307	-2.9	99	0.12
90	Benzo(g,h,i)perylene	1.283	1.300	-1.3	98	0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Consulting Group Contract: CTMA01

Lab Code: CHEM Case No.: T5189 SAS No.: T5189 SDG No.: T5189

Instrument ID: BNAE Calibration Date/Time: 10/15/2005 23:47

Lab File ID: BE026016.D Init. Calib. Date(s): 10/12/2005 10/12/2005

EPA Sample No.: SSTD080 Init. Calib. Time(s): 20:26 22:05

GC Column: RTX-5 SIL ID: 032 (mm)

COMPOUND	RRF	RRF080	MIN RRF	%D	MAX%D
Naphthalene	0.919	0.891		3.0	
Acenaphthene	1.117	0.965		13.6	20.0
Fluorene	1.168	1.054		9.8	
Phenanthrene	1.075	0.975		9.3	
Anthracene	1.046	1.022		2.3	
Fluoranthene	1.098	1.099		0.1	20.0
Pyrene	1.334	1.231		7.7	
Benzo(a)anthracene	1.384	1.319		4.7	
Chrysene	1.245	1.192		4.3	
Benzo(b)fluoranthene	1.345	1.387		3.1	
Benzo(k)fluoranthene	1.181	1.163		1.5	
Benzo(a)pyrene	1.246	1.266		1.6	20.0
Indeno(1,2,3-cd)pyrene	1.817	1.784		1.8	
Dibenzo(a,h)anthracene	1.270	1.266		0.3	
Benzo(g,h,i)perylene	1.283	1.280		0.2	
Nitrobenzene-d5	0.426	0.412		3.3	
2-Fluorobiphenyl	1.125	1.115		0.9	
Terphenyl-d14	0.971	0.964		0.7	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	292352	40.00 ng	-0.01
22) Naphthalene-d8	4.43	136	1059436	40.00 ng	-0.01
39) Acenaphthene-d10	5.52	164	605486	40.00 ng	-0.01
62) Phenanthrene-d10	6.49	188	860152	40.00 ng	0.00
74) Chrysene-d12	8.50	240	781209	40.00 ng	0.02
85) Perylene-d12	10.25	264	908895	40.00 ng	0.02
System Monitoring Compounds					
4) 2-Fluorophenol	2.86	112	887202	81.05 ng	-0.02
6) Phenol-d5	3.43	99	1061916	77.56 ng	-0.01
11) 2-Chlorophenol-d4	3.52	132	859189	80.57 ng	-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	522786	84.42 ng	-0.02
24) Nitrobenzene-d5	3.98	82	872318	77.36 ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	248354	76.81 ng	0.00
44) 2-Fluorobiphenyl	5.09	172	1350388	79.30 ng	0.00
77) Terphenyl-d14	7.62	244	1505772	79.41 ng	0.01
Target Compounds					Qvalue
2) Pyridine	1.85	79	1162811	76.41 ng	99
3) n-Nitrosodimethylamine	1.84	42	390494	74.82 ng	96
5) Aniline	3.45	93	1384326	78.39 ng	98
7) 2-Chlorophenol	3.53	128	881536	79.67 ng	100
8) Benzaldehyde	3.39	77	522343	75.12 ng	90
9) Phenol	3.43	94	1232310	77.76 ng	98
10) bis(2-Chloroethyl)ether	3.48	93	806844	65.95 ng	98
12) 1,3-Dichlorobenzene	3.61	146	880621	79.81 ng	98
13) 1,4-Dichlorobenzene	3.66	146	893274	79.40 ng	98
15) 1,2-Dichlorobenzene	3.76	146	800106	81.23 ng	96
16) Benzyl Alcohol	3.73	79	763998	76.34 ng	99
17) 2,2'-oxybis(1-Chloropropan	3.80	45	722552	73.51 ng	93
18) 2-Methylphenol	3.79	107	662263	75.97 ng	95
19) Hexachloroethane	3.95	117	402606	78.29 ng	97
20) n-Nitroso-di-n-propylamine	3.88	70	560747	74.95 ng	94
21) 3+4-Methylphenols	3.88	107	829489	79.28 ng	93
23) Acetophenone	3.89	105	1120147	79.21 ng	97
25) Nitrobenzene	4.00	77	905820	77.17 ng	96
26) Isophorone	4.14	82	1537402	75.59 ng	94
27) 2-Nitrophenol	4.19	139	472077	83.74 ng	95
28) 2,4-Dimethylphenol	4.20	122	776867	83.02 ng	97
29) bis(2-Chloroethoxy)methane	4.25	93	1034368	76.88 ng	97
30) 2,4-Dichlorophenol	4.34	162	670719	83.31 ng	97
31) 1,2,4-Trichlorobenzene	4.39	180	701512	83.22 ng	98
32) Naphthalene	4.44	128	1888333	77.54 ng	96
33) Benzoic acid	4.29	122	285420	91.78 ng	98
34) 4-Chloroaniline	4.47	127	991706	86.29 ng	98
35) Hexachlorobutadiene	4.51	225	373826	84.42 ng	98
36) Caprolactam	4.70	113	287546	81.49 ng	94
37) 4-Chloro-3-methylphenol	4.77	107	747444	81.78 ng	98
38) 2-Methylnaphthalene	4.93	142	1333126	80.45 ng	99
40) Hexachlorocyclopentadiene	4.96	237	168952	62.25 ng	98

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

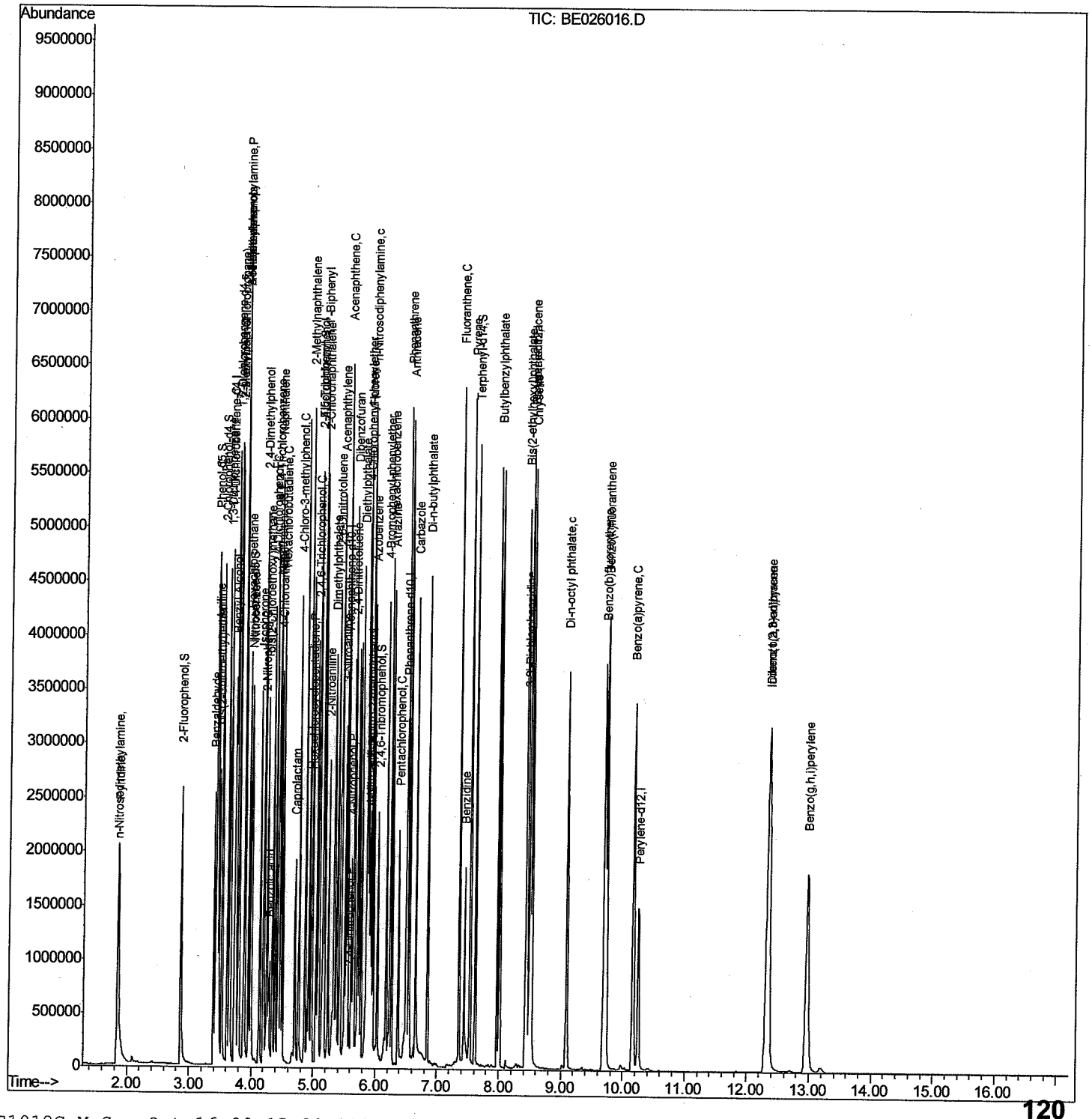
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2,4,6-Trichlorophenol	5.04	196	455916	79.76 ng	99
43) 2,4,5-Trichlorophenol	5.08	196	463158	84.94 ng	98
45) 1,1'-Biphenyl	5.15	154	1632280	74.06 ng	97
46) 2-Chloronaphthalene	5.18	162	1286180	76.49 ng	96
47) 2-Nitroaniline	5.24	65	479247	76.17 ng	98
48) Acenaphthylene	5.44	152	1902002	74.30 ng	93
49) Dimethylphthalate	5.34	163	1226963	70.12 ng	99
50) 2,6-Dinitrotoluene	5.38	165	341842	74.21 ng	98
51) Acenaphthene	5.55	154	1168519	69.10 ng	99
52) 3-Nitroaniline	5.50	138	391637	79.46 ng	96
53) 2,4-Dinitrophenol	5.57	184	62206	53.14 ng	99
54) Dibenzofuran	5.65	168	1678516	81.56 ng	97
55) 4-Nitrophenol	5.61	139	260185	70.17 ng	97
56) 2,4-Dinitrotoluene	5.64	165	434970	75.79 ng	97
57) Fluorene	5.88	166	1276012	72.18 ng	99
58) Diethylphthalate	5.77	149	1175342	70.75 ng	96
59) 4-Chlorophenyl-phenylether	5.86	204	657306	76.61 ng	93
60) 4-Nitroaniline	5.89	138	389706	78.76 ng	97
61) Azobenzene	5.96	77	1297198	67.28 ng	93
63) 4,6-Dinitro-2-methylphenol	5.91	198	208580	78.72 ng	88
64) n-Nitrosodiphenylamine	5.93	169	1078055	78.81 ng	98
65) 4-Bromophenyl-phenylether	6.18	248	421769	82.76 ng	93
66) Hexachlorobenzene	6.24	284	466422	84.38 ng	95
67) Atrazine	6.27	200	393069	82.32 ng	97
68) Pentachlorophenol	6.37	266	213520	90.30 ng	98
69) Phenanthrene	6.51	178	1676974	72.55 ng	97
70) Anthracene	6.55	178	1758528	78.20 ng	97
71) Carbazole	6.65	167	1518077	67.38 ng	96
72) Di-n-butylphthalate	6.85	149	1879766	76.23 ng	97
73) Fluoranthene	7.36	202	1891254	80.10 ng	95
75) Benzidine	7.44	184	723428	87.84 ng	99
76) Pyrene	7.53	202	1922798	73.81 ng	94
78) Butylbenzylphthalate	7.97	149	1107886	77.23 ng	98
79) Benzo(a)anthracene	8.49	228	2060427	76.24 ng	96
80) 3,3'-Dichlorobenzidine	8.45	252	682785	106.83 ng	96
81) Chrysene	8.53	228	1862123	76.60 ng	97
82) Bis(2-ethylhexyl)phthalate	8.43	149	1472004	77.58 ng	98
83) Di-n-octyl phthalate	9.09	149	2511532	76.01 ng	100
84) Indeno(1,2,3-cd)pyrene	12.34	276	2787726	78.56 ng	97
86) Benzo(b)fluoranthene	9.70	252	2521304	82.53 ng	97
87) Benzo(k)fluoranthene	9.73	252	2114356	78.77 ng	96
88) Benzo(a)pyrene	10.17	252	2300874	81.26 ng	98
89) Dibenzo(a,h)anthracene	12.36	278	2300420	79.71 ng	96
90) Benzo(g,h,i)perylene	12.97	276	2327027	79.82 ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	-0.01
2		Pyridine	2.082	1.989	4.5	118	-0.04
3		n-Nitrosodimethylamine	0.714	0.668	6.4	114	-0.04
4	S	2-Fluorophenol	1.498	1.517	-1.3	123	-0.02
5		Aniline	2.416	2.368	2.0	127	-0.02
6	S	Phenol-d5	1.873	1.816	3.0	119	-0.01
7		2-Chlorophenol	1.514	1.508	0.4	124	-0.02
8		Benzaldehyde	0.951	0.893	6.1	118	-0.01
9	C	Phenol	2.168	2.108	2.8	118	-0.02
10		bis(2-Chloroethyl)ether	1.674	1.380	17.6	103	-0.01
11	S	2-Chlorophenol-d4	1.459	1.469	-0.7	125	-0.01
12		1,3-Dichlorobenzene	1.510	1.506	0.3	124	-0.02
13	C	1,4-Dichlorobenzene	1.539	1.528	0.7	123	-0.02
14	s	1,2-Dichlorobenzene-d4	0.847	0.894	-5.5	129	-0.02
15		1,2-Dichlorobenzene	1.348	1.368	-1.5	126	-0.01
16		Benzyl Alcohol	1.369	1.307	4.5	115	-0.02
17		2,2'-oxybis(1-Chloropropane	1.345	1.236	8.1	117	-0.01
18		2-Methylphenol	1.193	1.133	5.0	115	-0.02
19		Hexachloroethane	0.704	0.689	2.1	121	-0.02
20	P	n-Nitroso-di-n-propylamine	1.024	0.959	6.3	117	-0.02
21		3+4-Methylphenols	1.431	1.419	0.8	119	-0.01
22	I	Naphthalene-d8	1.000	1.000	0.0	120	-0.01
23		Acetophenone	0.534	0.529	0.9	120	-0.01
24	S	Nitrobenzene-d5	0.426	0.412	3.3	118	-0.02
25		Nitrobenzene	0.443	0.428	3.4	117	-0.02
26		Isophorone	0.768	0.726	5.5	116	-0.01
27	C	2-Nitrophenol	0.213	0.223	-4.7	126	-0.01
28		2,4-Dimethylphenol	0.353	0.367	-4.0	123	-0.01
29		bis(2-Chloroethoxy)methane	0.508	0.488	3.9	116	-0.01
30	C	2,4-Dichlorophenol	0.304	0.317	-4.3	126	-0.01
31		1,2,4-Trichlorobenzene	0.318	0.331	-4.1	127	-0.01
32		Naphthalene	0.919	0.891	3.0	117	-0.01
33		Benzoic acid	0.117	0.135	-15.4	150#	-0.01
34		4-Chloroaniline	0.434	0.468	-7.8	131	-0.01
35	C	Hexachlorobutadiene	0.167	0.176	-5.4	128	-0.01
36		Caprolactam	0.133	0.136	-2.3	140	-0.01
37	C	4-Chloro-3-methylphenol	0.345	0.353	-2.3	121	-0.01
38		2-Methylnaphthalene	0.626	0.629	-0.5	121	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	126	-0.01
40	P	Hexachlorocyclopentadiene	0.179	0.140	21.8#	99	-0.01
41	S	2,4,6-Tribromophenol	0.214	0.205	4.2	128	0.00
42	C	2,4,6-Trichlorophenol	0.378	0.376	0.5	133	-0.01
43		2,4,5-Trichlorophenol	0.360	0.382	-6.1	134	-0.01
44	S	2-Fluorobiphenyl	1.125	1.115	0.9	124	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
45		1,1'-Biphenyl	1.456	1.348	7.4	122	-0.01
46		2-Chloronaphthalene	1.111	1.062	4.4	122	-0.01
47		2-Nitroaniline	0.416	0.396	4.8	126	-0.01
48		Acenaphthylene	1.691	1.571	7.1	120	-0.01
49		Dimethylphthalate	1.156	1.013	12.4	117	0.00
50		2,6-Dinitrotoluene	0.304	0.282	7.2	122	-0.01
51	C	Acenaphthene	1.117	0.965	13.6	109	-0.01
52		3-Nitroaniline	0.326	0.323	0.9	134	-0.01
53	P	2,4-Dinitrophenol	0.077	0.051	33.8#	85	-0.01
54		Dibenzofuran	1.360	1.386	-1.9	137	-0.01
55	P	4-Nitrophenol	0.245	0.215	12.2	126	-0.01
56		2,4-Dinitrotoluene	0.379	0.359	5.3	124	-0.01
57		Fluorene	1.168	1.054	9.8	118	0.00
58		Diethylphthalate	1.098	0.971	11.6	116	-0.01
59		4-Chlorophenyl-phenylether	0.567	0.543	4.2	126	0.00
60		4-Nitroaniline	0.327	0.322	1.5	118	-0.01
61		Azobenzene	1.274	1.071	15.9	109	0.00
62	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00
63		4,6-Dinitro-2-methylphenol	0.123	0.121	1.6	113	0.00
64	c	n-Nitrosodiphenylamine	0.636	0.627	1.4	120	-0.01
65		4-Bromophenyl-phenylether	0.237	0.245	-3.4	131	0.00
66		Hexachlorobenzene	0.257	0.271	-5.4	131	0.00
67		Atrazine	0.222	0.228	-2.7	126	0.00
68	C	Pentachlorophenol	0.110	0.124	-12.7	144	0.00
69		Phenanthrene	1.075	0.975	9.3	110	0.00
70		Anthracene	1.046	1.022	2.3	120	0.00
71		Carbazole	1.048	0.882	15.8	107	0.00
72		Di-n-butylphthalate	1.147	1.093	4.7	118	0.00
73	C	Fluoranthene	1.098	1.099	-0.1	120	0.00
74	I	Chrysene-d12	1.000	1.000	0.0	128	0.02
75		Benzidine	0.422	0.463	-9.7	130	0.01
76		Pyrene	1.334	1.231	7.7	117	0.01
77	S	Terphenyl-d14	0.971	0.964	0.7	124	0.01
78		Butylbenzylphthalate	0.735	0.709	3.5	121	0.02
79		Benzo(a)anthracene	1.384	1.319	4.7	123	0.02
80		3,3'-Dichlorobenzidine	0.327	0.437	-33.6#	180#	0.02
81		Chrysene	1.245	1.192	4.3	117	0.02
82		Bis(2-ethylhexyl)phthalate	0.972	0.942	3.1	122	0.02
83	c	Di-n-octyl phthalate	1.692	1.607	5.0	118	0.02
84		Indeno(1,2,3-cd)pyrene	1.817	1.784	1.8	123	0.01
85	I	Perylene-d12	1.000	1.000	0.0	126	0.02
86		Benzo(b)fluoranthene	1.345	1.387	-3.1	131	0.02
87		Benzo(k)fluoranthene	1.181	1.163	1.5	117	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026016.D
Acq On : 15 Oct 2005 11:47 pm
Operator : DHZ
Sample : 80 ng BNA CCC
Misc : 8270
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 16 00:06:26 2005
Quant Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
88 C	Benzo(a)pyrene	1.246	1.266	-1.6	125	0.02
89	Dibenzo(a,h)anthracene	1.270	1.266	0.3	122	0.01
90	Benzo(g,h,i)perylene	1.283	1.280	0.2	122	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

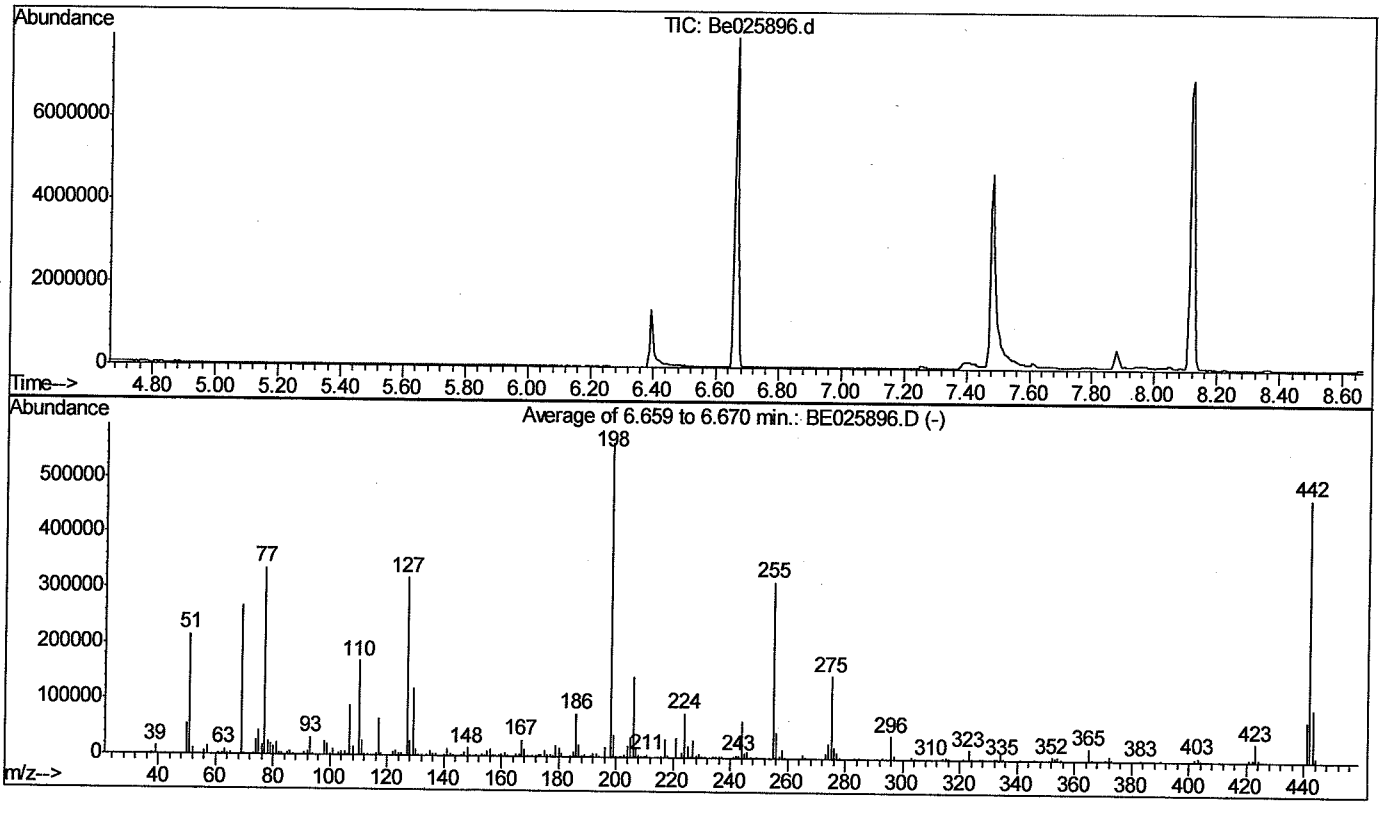
CHEMTECH

SEMI-VOLATILE RAW QC DATA

Data Path : Z:\BNA_E\Data\BE101205\
Data File : Be025896.d
Acq On : 12 Oct 2005 6:23 pm
Operator : DHZ
Sample : 50 ng DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 13 11:13:20 2005



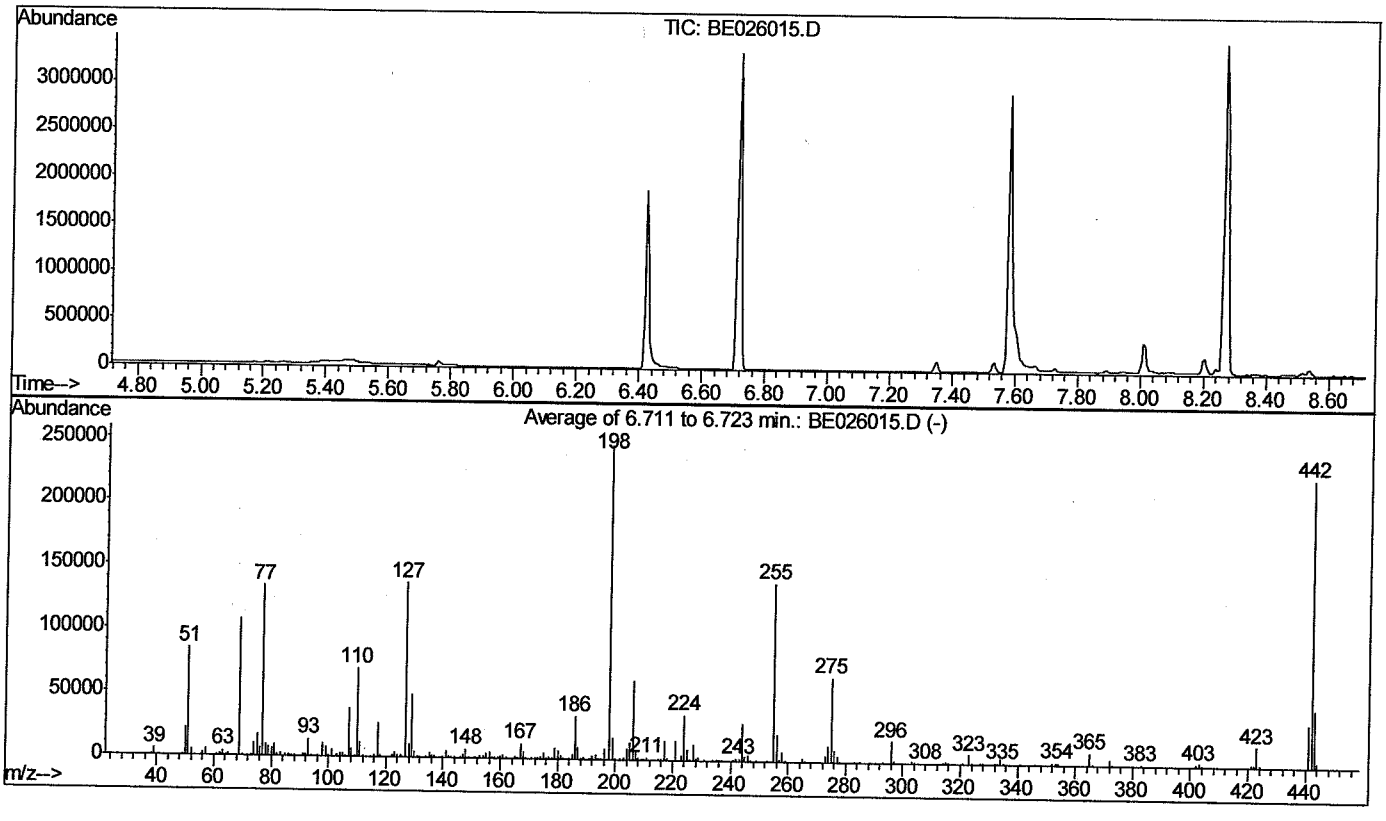
Spectrum Information: Average of 6.659 to 6.670 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.2	215827	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.6	268923	PASS
70	69	0.00	2	0.5	1409	PASS
127	198	40	60	56.6	319360	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	564395	PASS
199	198	5	9	7.0	39592	PASS
275	198	10	30	26.2	147733	PASS
365	198	1	100	3.8	21441	PASS
441	443	0.01	100	76.3	71931	PASS
442	198	40	100	83.5	471040	PASS
443	442	17	23	20.0	94288	PASS

Data Path : Z:\BNA_E\Data\BE101505\
Data File : BE026015.D
Acq On : 15 Oct 2005 11:20 pm
Operator : DHZ
Sample : 50 ng DFTPP
Misc : 8270
ALS Vial : 1 Sample Multiplier: 1

Integration File: LSCINT.P

Method : Z:\BNA_E\METHOD\2005\BE1012C.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 13 11:13:20 2005



Spectrum Information: Average of 6.711 to 6.723 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.3	84377	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.5	106841	PASS
70	69	0.00	2	0.6	629	PASS
127	198	40	60	55.5	136547	PASS
197	198	0.00	1	0.2	475	PASS
198	198	100	100	100.0	245845	PASS
199	198	5	9	7.1	17333	PASS
275	198	10	30	26.8	65987	PASS
365	198	1	100	3.9	9512	PASS
441	443	0.01	100	73.9	32804	PASS
442	198	40	100	91.3	224405	PASS
443	442	17	23	19.8	44370	PASS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	
Project:	714 Broadway, city of Schenectady	**Date Received:**	
Client Sample ID:	SBLK01	**SDG No.:**	T5189
Lab Sample ID:	PB08174B	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	1000.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026025.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.3	U	10	1.3	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.750	U	10	0.750	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.830	U	10	0.830	ug/L
53-70-3	Dibenz(a,h)anthracene	0.870	U	10	0.870	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	124.17	62 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	104.6	52 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	114.7	57 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	293767	3.65			
1146-65-2	Naphthalene-d8	1001270	4.43			
15067-26-2	Acenaphthene-d10	595981	5.52			
1517-22-2	Phenanthrene-d10	862029	6.48			
1719-03-5	Chrysene-d12	844868	8.42			
1520-96-3	Perylene-d12	981915	10.16			

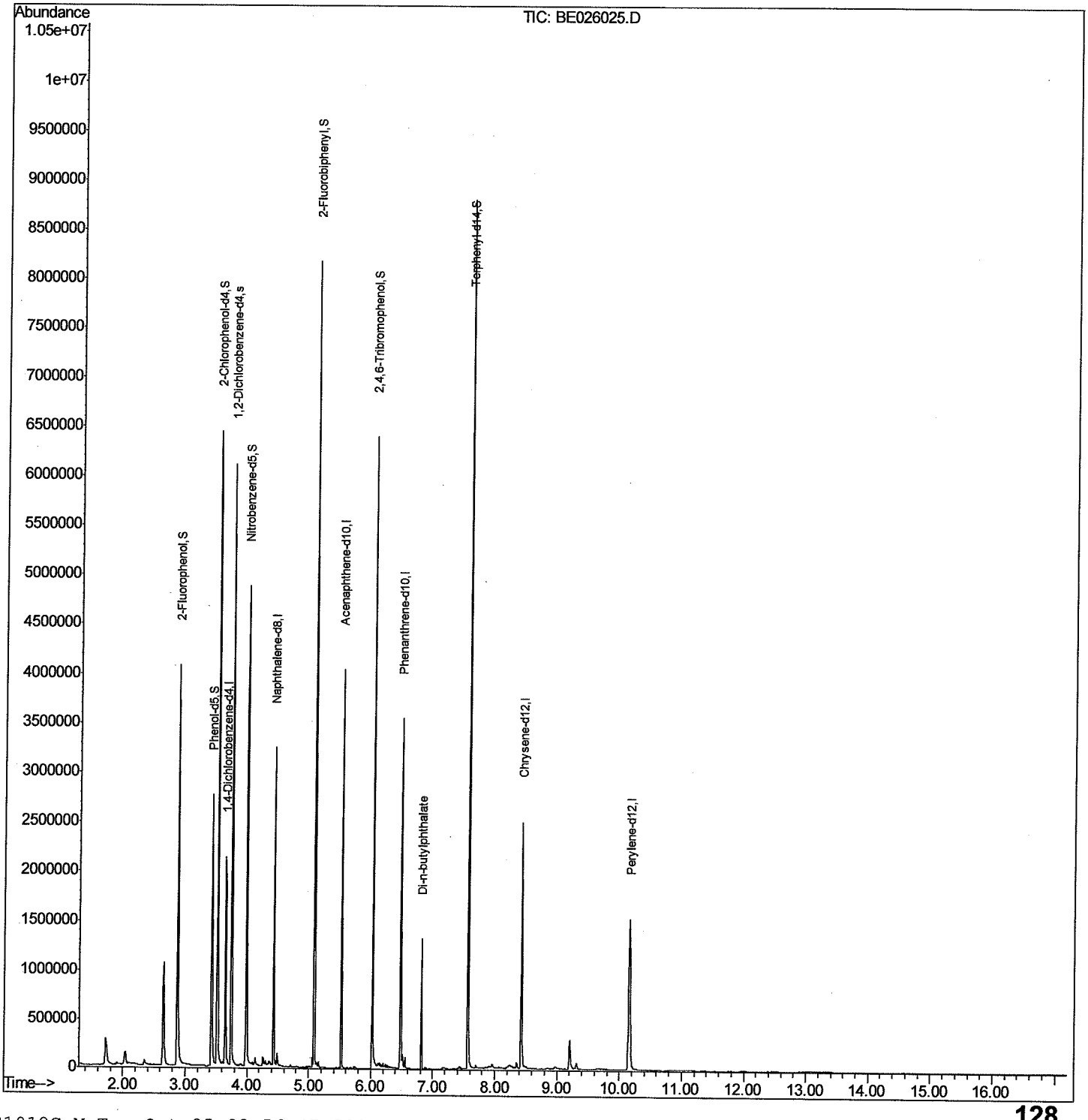
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT/LSC Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026025.D
Acq On : 16 Oct 2005 3:30 am
Operator : DHZ
Sample : PB08174B
Misc : 8270
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 03:33:40 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



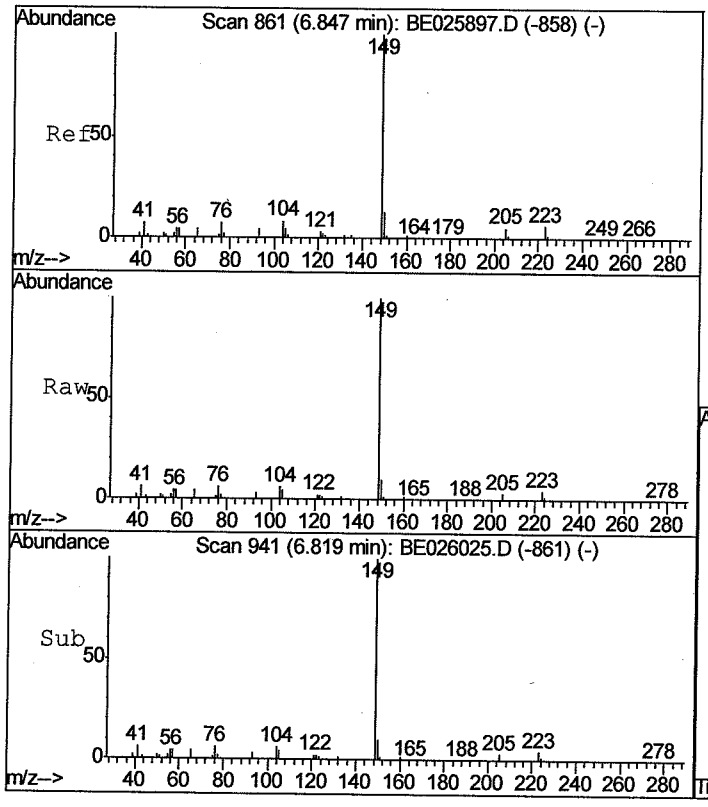
Quantitation Report (QT/LSC Reviewed)

Data Path : H:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026025.D
Acq On : 16 Oct 2005 3:30 am
Operator : DHZ
Sample : PB08174B
Misc : 8270
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 03:33:40 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	293767	40.00	ng	-0.02
22) Naphthalene-d8	4.43	136	1001270	40.00	ng	-0.02
39) Acenaphthene-d10	5.52	164	595981	40.00	ng	-0.02
62) Phenanthrene-d10	6.48	188	862029	40.00	ng	-0.02
74) Chrysene-d12	8.42	240	844868	40.00	ng	-0.06
85) Perylene-d12	10.16	264	981915	40.00	ng	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	2.87	112	1281974	116.54	ng	-0.02
6) Phenol-d5	3.42	99	1043592	75.86	ng	-0.02
11) 2-Chlorophenol-d4	3.52	132	1607634	150.03	ng	-0.02
14) 1,2-Dichlorobenzene-d4	3.75	152	802972	129.04	ng	-0.02
24) Nitrobenzene-d5	3.99	82	1323249	124.17	ng	-0.02
41) 2,4,6-Tribromophenol	6.03	330	715090	224.68	ng	-0.02
44) 2-Fluorobiphenyl	5.09	172	1753260	104.60	ng	0.00
77) Terphenyl-d14	7.57	244	2352176	114.70	ng	-0.03
Target Compounds						Qvalue
72) Di-n-butylphthalate	6.82	149	506902	20.51	ng	# 93

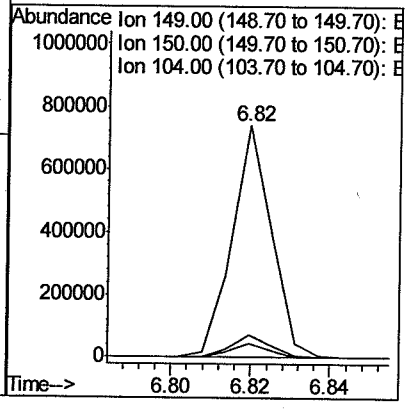
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#72
Di-n-butylphthalate
Concen: 20.51 ng
RT: 6.82 min Scan# 941
Delta R.T. -0.03 min
Lab File: BE026025.D
Acq: 16 Oct 2005 3:30 am

Tgt Ion:149 Resp: 506902

Ion	Ratio	Lower	Upper
149	100		
150	9.8	10.2	15.4#
104	6.1	6.4	9.6#



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-1MS	**SDG No.:**	T5189
Lab Sample ID:	T5189-02MS	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026040.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	40		10	1.4	ug/L
83-32-9	Acenaphthene	39		10	1.4	ug/L
86-73-7	Fluorene	34		10	1.4	ug/L
85-01-8	Phenanthrene	36		10	1.4	ug/L
120-12-7	Anthracene	37		10	1.4	ug/L
206-44-0	Fluoranthene	36		10	1.2	ug/L
129-00-0	Pyrene	35		10	1.5	ug/L
56-55-3	Benzo(a)anthracene	35		10	1.1	ug/L
218-01-9	Chrysene	36		10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	35		10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	34		10	1.9	ug/L
50-32-8	Benzo(a)pyrene	33		10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	33		10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	33		10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	33		10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	133.59	67 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	127.32	64 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	105.8	53 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263926	3.65			
1146-65-2	Naphthalene-d8	896662	4.43			
15067-26-2	Acenaphthene-d10	541858	5.52			
1517-22-2	Phenanthrene-d10	822396	6.49			
1719-03-5	Chrysene-d12	732549	8.46			
1520-96-3	Perylene-d12	881190	10.19			

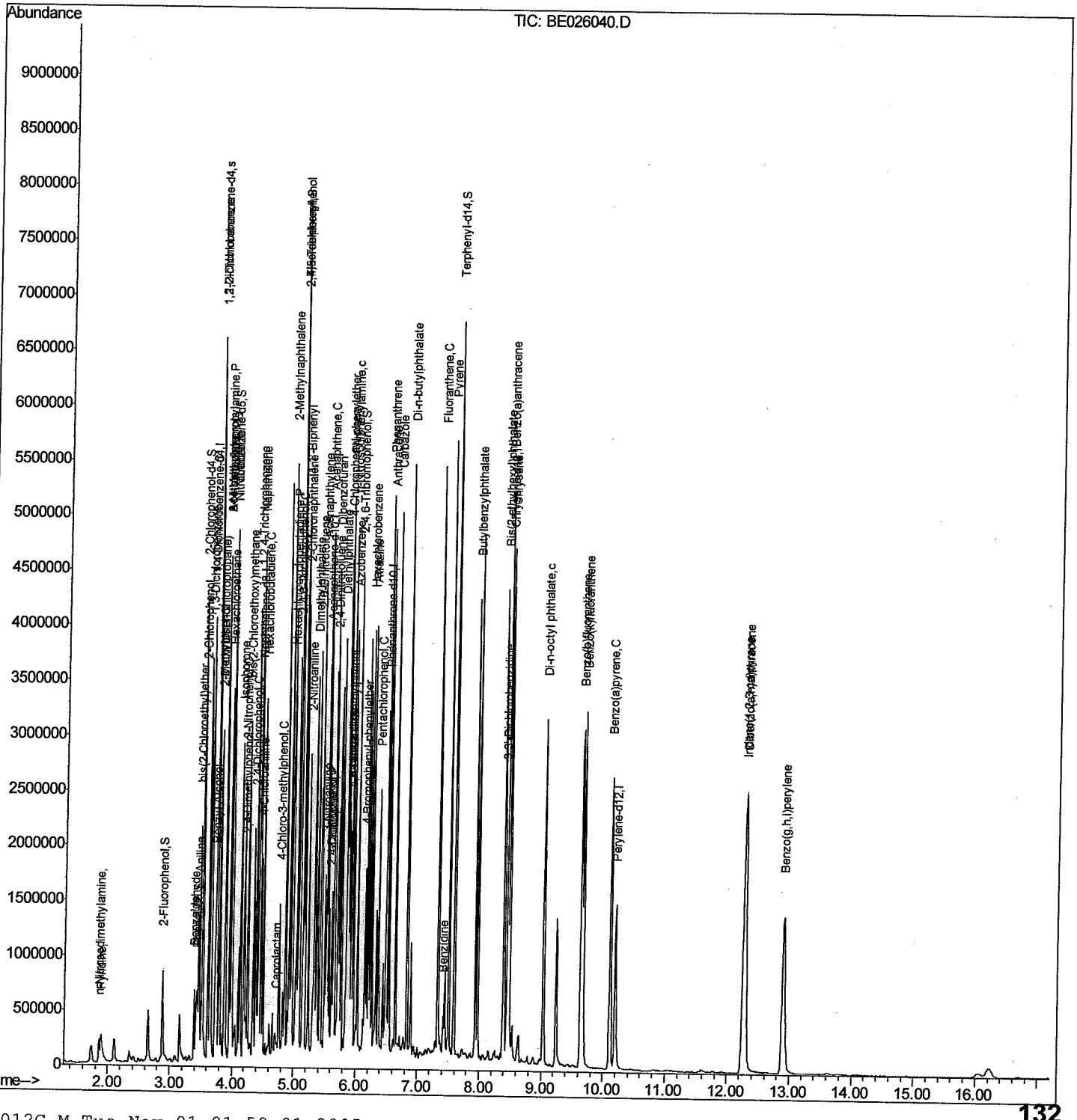
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026040.D
Acq On : 16 Oct 2005 9:34 am
Operator : DHZ
Sample : T5189-02MS
Misc : 8270
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 04:12:50 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026040.D
Acq On : 16 Oct 2005 9:34 am
Operator : DHZ
Sample : T5189-02MS
Misc : 8270
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 04:12:50 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	263926	40.00	ng		-0.01
22) Naphthalene-d8	4.43	136	896662	40.00	ng		-0.02
39) Acenaphthene-d10	5.52	164	541858	40.00	ng		-0.01
62) Phenanthrene-d10	6.49	188	822396m	40.00	ng		-0.01
74) Chrysene-d12	8.46	240	732549	40.00	ng		-0.02
85) Perylene-d12	10.19	264	881190	40.00	ng		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	2.88	112	334626	33.86	ng		0.00
6) Phenol-d5	3.43	99	219095	17.73	ng		0.00
11) 2-Chlorophenol-d4	3.52	132	985743	102.39	ng		-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	791046	141.50	ng		-0.02
24) Nitrobenzene-d5	3.98	82	1274920	133.59	ng		-0.02
41) 2,4,6-Tribromophenol	6.03	330	443368	153.22	ng		-0.01
44) 2-Fluorobiphenyl	5.08	172	1940245	127.32	ng		-0.01
77) Terphenyl-d14	7.59	244	1881189	105.80	ng		-0.02
Target Compounds							Qvalue
2) Pyridine	1.89	79	204580	14.89	ng		98
3) n-Nitrosodimethylamine	1.86	42	113890	24.17	ng		91
5) Aniline	3.46	93	458824	28.78	ng		96
7) 2-Chlorophenol	3.53	128	342501	34.29	ng		98
8) Benzaldehyde	3.39	77	155620	24.79	ng		99
9) Phenol	3.44	94	63456	4.44	ng		89
10) bis(2-Chloroethyl)ether	3.47	93	802903	72.69	ng		99
12) 1,3-Dichlorobenzene	3.61	146	734799	73.76	ng		99
13) 1,4-Dichlorobenzene	3.66	146	713443	70.25	ng		96
15) 1,2-Dichlorobenzene	3.76	146	656053	73.78	ng		97
16) Benzyl Alcohol	3.73	79	348958	38.62	ng		96
17) 2,2'-oxybis(1-Chloropropan	3.80	45	664793	74.92	ng	#	58
18) 2-Methylphenol	3.80	107	145402m	18.47	ng		
19) Hexachloroethane	3.96	117	353076	76.05	ng		86
20) n-Nitroso-di-n-propylamine	3.88	70	500461	74.10	ng		97
21) 3+4-Methylphenols	3.89	107	123029	13.03	ng	#	1
23) Acetophenone	3.88	105	974827	81.45	ng	#	97
25) Nitrobenzene	4.00	77	730633	73.55	ng		96
26) Isophorone	4.13	82	1267420	73.63	ng		98
27) 2-Nitrophenol	4.19	139	375202	78.64	ng		93
28) 2,4-Dimethylphenol	4.20	122	113719	14.36	ng		98
29) bis(2-Chloroethoxy)methane	4.25	93	885490	77.76	ng		100
30) 2,4-Dichlorophenol	4.34	162	322219	47.29	ng		95
31) 1,2,4-Trichlorobenzene	4.39	180	593582	83.20	ng		98
32) Naphthalene	4.44	128	1621034	78.65	ng	✓	99
34) 4-Chloroaniline	4.47	127	456357	46.91	ng		97
35) Hexachlorobutadiene	4.51	225	314578	83.94	ng		99
36) Caprolactam	4.70	113	26855	8.99	ng		93
37) 4-Chloro-3-methylphenol	4.77	107	252521	32.65	ng		97
38) 2-Methylnaphthalene	4.93	142	1209328	86.23	ng		99
40) Hexachlorocyclopentadiene	4.96	237	323028	133.00	ng		98
42) 2,4,6-Trichlorophenol	5.04	196	269808	52.74	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026040.D
Acq On : 16 Oct 2005 9:34 am
Operator : DHZ
Sample : T5189-02MS
Misc : 8270
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 04:12:50 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,5-Trichlorophenol	5.08	196	242325	49.66	ng		98
45) 1,1'-Biphenyl	5.15	154	1414654	71.72	ng		98
46) 2-Chloronaphthalene	5.18	162	1107691	73.61	ng		99
47) 2-Nitroaniline	5.24	65	358867	63.74	ng		90
48) Acenaphthylene	5.44	152	1635904	71.40	ng		98
49) Dimethylphthalate	5.33	163	1054317	67.33	ng		100
50) 2,6-Dinitrotoluene	5.38	165	290743	70.53	ng		93
51) Acenaphthene	5.55	154	1144810	75.64	ng		99
52) 3-Nitroaniline	5.49	138	209628	47.53	ng		95
53) 2,4-Dinitrophenol	5.56	184	171084	163.33	ng		96
54) Dibenzofuran	5.65	168	1418521	77.02	ng		98
55) 4-Nitrophenol	5.61	139	110309	33.24	ng		90
56) 2,4-Dinitrotoluene	5.64	165	376594	73.33	ng		94
57) Fluorene	5.87	166	1047036	66.18	ng		98
58) Diethylphthalate	5.76	149	1011740	68.05	ng		98
59) 4-Chlorophenyl-phenylether	5.85	204	522814	68.09	ng		94
60) 4-Nitroaniline	5.89	138	279145	63.04	ng		98
61) Azobenzene	5.96	77	1103666	63.96	ng		96
63) 4,6-Dinitro-2-methylphenol	5.91	198	179657	70.92	ng		92
64) n-Nitrosodiphenylamine	5.93	169	897393	68.62	ng		99
65) 4-Bromophenyl-phenylether	6.15	248	50964	10.46	ng		94
66) Hexachlorobenzene	6.23	284	379175	71.75	ng		92
67) Atrazine	6.26	200	342816	75.09	ng		98
68) Pentachlorophenol	6.36	266	270657	119.72	ng		97
69) Phenanthrene	6.51	178	1577260	71.37	ng		99
70) Anthracene	6.54	178	1554882m	72.32	ng		
71) Carbazole	6.64	167	1553815m	72.14	ng		
72) Di-n-butylphthalate	6.83	149	2194101	93.06	ng	#	93
73) Fluoranthene	7.33	202	1614948	71.54	ng		98
75) Benzidine	7.42	184	108768	14.08	ng		98
76) Pyrene	7.50	202	1675901	68.61	ng		98
78) Butylbenzylphthalate	7.94	149	936534	69.62	ng		93
79) Benzo(a)anthracene	8.45	228	1756192	69.30	ng		99
80) 3,3'-Dichlorobenzidine	8.40	252	416068	69.42	ng		97
81) Chrysene	8.49	228	1590808	69.79	ng		99
82) Bis(2-ethylhexyl)phthalate	8.39	149	1273366	71.57	ng		98
83) Di-n-octyl phthalate	9.04	149	2089299	67.43	ng		99
84) Indeno(1,2,3-cd)pyrene	12.27	276	2144229	64.44	ng		96
86) Benzo(b)fluoranthene	9.64	252	2011060	67.89	ng		98
87) Benzo(k)fluoranthene	9.68	252	1733297	66.61	ng		98
88) Benzo(a)pyrene	10.12	252	1793427	65.33	ng		99
89) Dibenzo(a,h)anthracene	12.29	278	1811074	64.73	ng		96
90) Benzo(g,h,i)perylene	12.91	276	1819695	64.38	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-1MSD	**SDG No.:**	T5189
Lab Sample ID:	T5189-03MSD	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	970.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026041.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	36		10	1.4	ug/L
83-32-9	Acenaphthene	35		10	1.4	ug/L
86-73-7	Fluorene	32		10	1.4	ug/L
85-01-8	Phenanthrene	39		10	1.5	ug/L
120-12-7	Anthracene	38		10	1.4	ug/L
206-44-0	Fluoranthene	40		10	1.2	ug/L
129-00-0	Pyrene	33		10	1.5	ug/L
56-55-3	Benzo(a)anthracene	33		10	1.1	ug/L
218-01-9	Chrysene	35		10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	32		10	0.770	ug/L
207-08-9	Benzo(k)fluoranthene	33		10	1.9	ug/L
50-32-8	Benzo(a)pyrene	32		10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	31		10	0.850	ug/L
53-70-3	Dibenz(a,h)anthracene	31		10	0.890	ug/L
191-24-2	Benzo(g,h,i)perylene	31		10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	117.21	59 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	112.8	56 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	100.37	50 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270669	3.65			
1146-65-2	Naphthalene-d8	924629	4.43			
15067-26-2	Acenaphthene-d10	555115	5.52			
1517-22-2	Phenanthrene-d10	734407	6.48			
1719-03-5	Chrysene-d12	750386	8.44			
1520-96-3	Perylene-d12	893863	10.17			

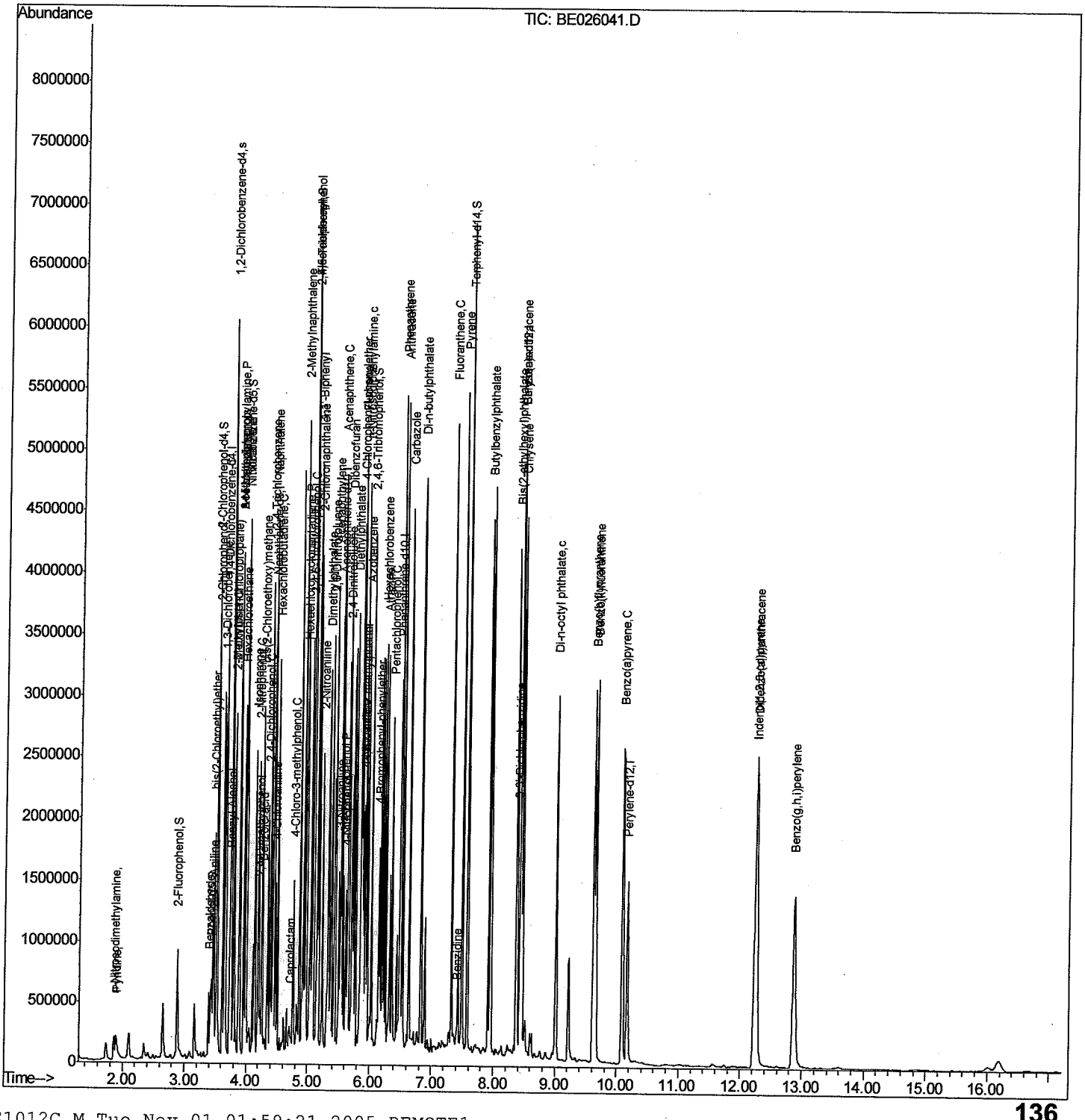
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026041.D
Acq On : 16 Oct 2005 9:58 am
Operator : DHZ
Sample : T5189-03MSD
Misc : 8270
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 17 04:14:14 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026041.D
Acq On : 16 Oct 2005 9:58 am
Operator : DHZ
Sample : T5189-03MSD
Misc : 8270
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 17 04:14:14 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	270669	40.00 ng		-0.01
22) Naphthalene-d8	4.43	136	924629	40.00 ng		-0.01
39) Acenaphthene-d10	5.52	164	555115	40.00 ng		-0.01
62) Phenanthrene-d10	6.48	188	734407	40.00 ng		-0.02
74) Chrysene-d12	8.44	240	750386	40.00 ng		-0.04
85) Perylene-d12	10.17	264	893863	40.00 ng		-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	2.88	112	344126	33.95 ng		0.00
6) Phenol-d5	3.43	99	224241	17.69 ng		0.00
11) 2-Chlorophenol-d4	3.52	132	956140	96.85 ng		-0.01
14) 1,2-Dichlorobenzene-d4	3.74	152	710037	123.84 ng		-0.02
24) Nitrobenzene-d5	3.98	82	1153485	117.21 ng		-0.02
41) 2,4,6-Tribromophenol	6.03	330	451016	152.14 ng		-0.01
44) 2-Fluorobiphenyl	5.09	172	1761001	112.80 ng		0.00
77) Terphenyl-d14	7.57	244	1828049	100.37 ng		-0.03
Target Compounds						Qvalue
2) Pyridine	1.89	79	157965	11.21 ng		98
3) n-Nitrosodimethylamine	1.86	42	103329	21.39 ng		97
5) Aniline	3.46	93	357083	21.84 ng		97
7) 2-Chlorophenol	3.53	128	336858	32.88 ng		98
8) Benzaldehyde	3.40	77	135665	21.07 ng		93
9) Phenol	3.44	94	113234	7.72 ng		93
10) bis(2-Chloroethyl)ether	3.48	93	715783	63.19 ng		98
12) 1,3-Dichlorobenzene	3.61	146	644867	63.12 ng		98
13) 1,4-Dichlorobenzene	3.66	146	639923	61.44 ng		96
15) 1,2-Dichlorobenzene	3.76	146	576962	63.27 ng		97
16) Benzyl Alcohol	3.73	79	328524	35.46 ng		95
17) 2,2'-oxybis(1-Chloropropan	3.80	45	591956	65.05 ng	#	59
18) 2-Methylphenol	3.80	107	138299m	17.13 ng		
19) Hexachloroethane	3.95	117	313224	65.79 ng	#	84
20) n-Nitroso-di-n-propylamine	3.88	70	458288	66.16 ng		95
21) 3+4-Methylphenols	3.89	107	135495	13.99 ng	#	1
23) Acetophenone	3.89	105	865562	70.13 ng	#	96
25) Nitrobenzene	4.00	77	660032	64.43 ng		95
26) Isophorone	4.14	82	1140208	64.24 ng		95
27) 2-Nitrophenol	4.19	139	372625	75.74 ng		94
28) 2,4-Dimethylphenol	4.21	122	102332	12.53 ng		97
29) bis(2-Chloroethoxy)methane	4.25	93	799678	68.10 ng		98
30) 2,4-Dichlorophenol	4.34	162	306798	43.66 ng		97
31) 1,2,4-Trichlorobenzene	4.39	180	518554	70.48 ng		98
32) Naphthalene	4.44	128	1481903	69.72 ng ✓		98
33) Benzoic acid	4.27	122	17619	6.49 ng	#	87
34) 4-Chloroaniline	4.47	127	390893	38.97 ng		99
35) Hexachlorobutadiene	4.51	225	282616	73.13 ng		98
36) Caprolactam	4.70	113	26577	8.63 ng		90
37) 4-Chloro-3-methylphenol	4.77	107	244854	30.70 ng		96
38) 2-Methylnaphthalene	4.93	142	1098232	75.94 ng		98
40) Hexachlorocyclopentadiene	4.96	237	295485	118.75 ng		98

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026041.D
Acq On : 16 Oct 2005 9:58 am
Operator : DHZ
Sample : T5189-03MSD
Misc : 8270
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 17 04:14:14 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 2,4,6-Trichlorophenol	5.04	196	265707	50.70 ng		99
43) 2,4,5-Trichlorophenol	5.08	196	245957	49.20 ng		98
45) 1,1'-Biphenyl	5.15	154	1288909	63.79 ng		97
46) 2-Chloronaphthalene	5.18	162	1010357	65.54 ng		98
47) 2-Nitroaniline	5.24	65	356890	61.87 ng		95
48) Acenaphthylene	5.44	152	1506585	64.19 ng		98
49) Dimethylphthalate	5.33	163	941716	58.70 ng		100
50) 2,6-Dinitrotoluene	5.38	165	263231	62.33 ng		93
51) Acenaphthene	5.55	154	1046364	67.49 ng		99
52) 3-Nitroaniline	5.49	138	186352	41.24 ng		92
53) 2,4-Dinitrophenol	5.56	184	189480	176.57 ng		95
54) Dibenzofuran	5.65	168	1321952	70.07 ng		98
55) 4-Nitrophenol	5.61	139	114677	33.73 ng		95
56) 2,4-Dinitrotoluene	5.64	165	345586	65.68 ng		92
57) Fluorene	5.87	166	1018602	62.85 ng		99
58) Diethylphthalate	5.76	149	944776	62.03 ng		98
59) 4-Chlorophenyl-phenylether	5.85	204	492111	62.56 ng		92
60) 4-Nitroaniline	5.89	138	234022	51.59 ng		97
61) Azobenzene	5.96	77	1043364	59.02 ng		95
63) 4,6-Dinitro-2-methylphenol	5.91	198	187111	82.71 ng		87
64) n-Nitrosodiphenylamine	5.93	169	816340	69.90 ng		98
65) 4-Bromophenyl-phenylether	6.15	248	40397	9.28 ng		97
66) Hexachlorobenzene	6.23	284	401611	85.10 ng	#	86
67) Atrazine	6.26	200	307441	75.41 ng		100
68) Pentachlorophenol	6.36	266	263836	130.68 ng		98
69) Phenanthrene	6.50	178	1496162	75.81 ng		99
70) Anthracene	6.53	178	1404894	73.17 ng		99
71) Carbazole	6.63	167	1419618	73.80 ng		96
72) Di-n-butylphthalate	6.83	149	1963660	93.27 ng		96
73) Fluoranthene	7.32	202	1548914	76.83 ng		100
75) Benzidine	7.40	184	48369	6.11 ng		98
76) Pyrene	7.49	202	1624223	64.91 ng		99
78) Butylbenzylphthalate	7.92	149	881121	63.94 ng		95
79) Benzo(a)anthracene	8.43	228	1663821	64.09 ng		99
80) 3,3'-Dichlorobenzidine	8.38	252	364904	59.44 ng		95
81) Chrysene	8.47	228	1579636	67.65 ng		99
82) Bis(2-ethylhexyl)phthalate	8.37	149	1212911	66.55 ng		98
83) Di-n-octyl phthalate	9.01	149	2014914	63.49 ng		99
84) Indeno(1,2,3-cd)pyrene	12.25	276	2033776	59.67 ng		96
86) Benzo(b)fluoranthene	9.62	252	1887691	62.83 ng		98
87) Benzo(k)fluoranthene	9.65	252	1709825	64.77 ng		98
88) Benzo(a)pyrene	10.09	252	1719260	61.74 ng		99
89) Dibenzo(a,h)anthracene	12.26	278	1725261	60.79 ng		97
90) Benzo(g,h,i)perylene	12.88	276	1733466	60.46 ng		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	
Project:	714 Broadway, city of Schenectady	**Date Received:**	
Client Sample ID:	SLCS01	**SDG No.:**	T5189
Lab Sample ID:	PB08174BS	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	1000.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026026.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	36		10	1.4	ug/L
83-32-9	Acenaphthene	36		10	1.3	ug/L
86-73-7	Fluorene	36		10	1.4	ug/L
85-01-8	Phenanthrene	38		10	1.4	ug/L
120-12-7	Anthracene	39		10	1.4	ug/L
206-44-0	Fluoranthene	41		10	1.2	ug/L
129-00-0	Pyrene	38		10	1.5	ug/L
56-55-3	Benzo(a)anthracene	37		10	1.1	ug/L
218-01-9	Chrysene	39		10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	38		10	0.750	ug/L
207-08-9	Benzo(k)fluoranthene	35		10	1.9	ug/L
50-32-8	Benzo(a)pyrene	36		10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	36		10	0.830	ug/L
53-70-3	Dibenz(a,h)anthracene	36		10	0.870	ug/L
191-24-2	Benzo(g,h,i)perylene	36		10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	125.53	63 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	121.79	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	116.9	58 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	272585	3.65			
1146-65-2	Naphthalene-d8	932880	4.43			
15067-26-2	Acenaphthene-d10	555317	5.53			
1517-22-2	Phenanthrene-d10	763028	6.48			
1719-03-5	Chrysene-d12	733832	8.45			
1520-96-3	Perylene-d12	895495	10.19			

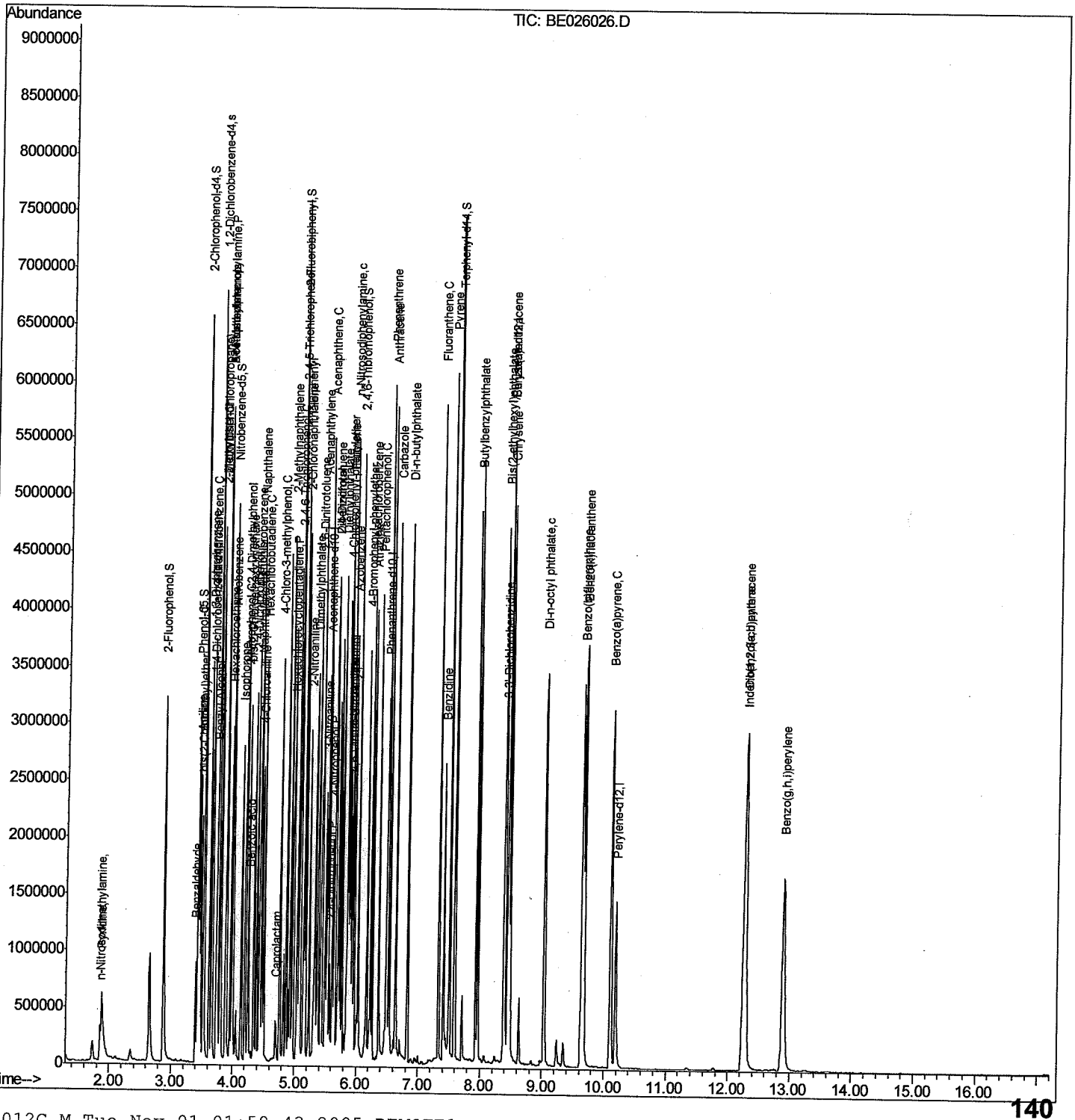
U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026026.D
Acq On : 16 Oct 2005 3:53 am
Operator : DHZ
Sample : PB08174BS
Misc : 8270
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 02:35:42 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026026.D
Acq On : 16 Oct 2005 3:53 am
Operator : DHZ
Sample : PB08174BS
Misc : 8270
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 02:35:42 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.65	152	272585	40.00	ng		-0.02
22) Naphthalene-d8	4.43	136	932880	40.00	ng		-0.02
39) Acenaphthene-d10	5.53	164	555317	40.00	ng		0.00
62) Phenanthrene-d10	6.48	188	763028	40.00	ng		-0.02
74) Chrysene-d12	8.45	240	733832	40.00	ng		-0.03
85) Perylene-d12	10.19	264	895495	40.00	ng		-0.04
System Monitoring Compounds							
4) 2-Fluorophenol	2.88	112	1263759	123.82	ng		0.00
6) Phenol-d5	3.43	99	1039511	81.43	ng		0.00
11) 2-Chlorophenol-d4	3.52	132	1618690	162.80	ng		0.00
14) 1,2-Dichlorobenzene-d4	3.75	152	741096	128.35	ng		-0.02
24) Nitrobenzene-d5	3.99	82	1246420	125.53	ng		-0.02
41) 2,4,6-Tribromophenol	6.03	330	643344	216.94	ng		0.00
44) 2-Fluorobiphenyl	5.09	172	1902010	121.79	ng		0.00
77) Terphenyl-d14	7.59	244	2082260	116.90	ng		-0.02
Target Compounds							Qvalue
2) Pyridine	1.88	79	505196	35.61	ng		97
3) n-Nitrosodimethylamine	1.86	42	191711	39.40	ng		97
5) Aniline	3.45	93	878706	53.36	ng		99
7) 2-Chlorophenol	3.53	128	640777	62.11	ng		99
8) Benzaldehyde	3.39	77	203877	31.45	ng		96
9) Phenol	3.44	94	468240	31.69	ng		95
10) bis(2-Chloroethyl)ether	3.48	93	758364	66.48	ng		99
12) 1,3-Dichlorobenzene	3.62	146	654912	63.66	ng		99
13) 1,4-Dichlorobenzene	3.66	146	671996	64.06	ng		99
15) 1,2-Dichlorobenzene	3.75	146	601307	65.48	ng		99
16) Benzyl Alcohol	3.73	79	533152	57.14	ng		99
17) 2,2'-oxybis(1-Chloropropan	3.79	45	601334	65.62	ng		95
18) 2-Methylphenol	3.79	107	475725	58.53	ng		98
19) Hexachloroethane	3.96	117	289580	60.40	ng		98
20) n-Nitroso-di-n-propylamine	3.88	70	475548	68.17	ng		99
21) 3+4-Methylphenols	3.89	107	543131	55.68	ng	#	56
23) Acetophenone	3.89	105	935686	75.14	ng		99
25) Nitrobenzene	4.00	77	713998	69.08	ng		99
26) Isophorone	4.13	82	1246216	69.59	ng		99
27) 2-Nitrophenol	4.19	139	382215	77.00	ng		91
28) 2,4-Dimethylphenol	4.20	122	585687	71.08	ng		97
29) bis(2-Chloroethoxy)methane	4.25	93	847872	71.57	ng		100
30) 2,4-Dichlorophenol	4.34	162	542853	76.57	ng		96
31) 1,2,4-Trichlorobenzene	4.39	180	551120	74.25	ng		99
32) Naphthalene	4.44	128	1562039	72.84	ng		99
33) Benzoic acid	4.26	122	25047	9.15	ng	#	87
34) 4-Chloroaniline	4.47	127	680577	67.25	ng		96
35) Hexachlorobutadiene	4.50	225	288145	73.90	ng		99
36) Caprolactam	4.70	113	64551	20.78	ng		87
37) 4-Chloro-3-methylphenol	4.76	107	607964	75.54	ng		96
38) 2-Methylnaphthalene	4.93	142	1121895	76.89	ng		99
40) Hexachlorocyclopentadiene	4.96	237	260099	104.49	ng		97

Quantitation Report (QT Reviewed)

Data Path : Z:\T5189\SEMI-VOA\T5189SVOC-STARS\
Data File : BE026026.D
Acq On : 16 Oct 2005 3:53 am
Operator : DHZ
Sample : PB08174BS
Misc : 8270
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 02:35:42 2005
Quant Method : U:\BNA_E\METHOD\2005\BE1012C.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 11:13:20 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2,4,6-Trichlorophenol	5.04	196	380300	72.54 ng	99
43) 2,4,5-Trichlorophenol	5.07	196	396501	79.29 ng	99
45) 1,1'-Biphenyl	5.15	154	1387148	68.62 ng	98
46) 2-Chloronaphthalene	5.17	162	1084470	70.32 ng	98
47) 2-Nitroaniline	5.24	65	380742	65.98 ng	87
48) Acenaphthylene	5.44	152	1611421	68.63 ng	96
49) Dimethylphthalate	5.33	163	986882	61.50 ng	99
50) 2,6-Dinitrotoluene	5.38	165	295796	70.01 ng	92
51) Acenaphthene	5.54	154	1120784	72.26 ng	100
52) 3-Nitroaniline	5.50	138	298950	66.13 ng	99
53) 2,4-Dinitrophenol	5.57	184	101533	94.58 ng	97
54) Dibenzofuran	5.65	168	1457605	77.23 ng	99
55) 4-Nitrophenol	5.61	139	177935	52.32 ng	95
56) 2,4-Dinitrotoluene	5.64	165	408869	77.68 ng	88
57) Fluorene	5.87	166	1156199	71.31 ng	100
58) Diethylphthalate	5.77	149	1049820	68.90 ng	97
59) 4-Chlorophenyl-phenylether	5.86	204	565369	71.85 ng	90
60) 4-Nitroaniline	5.89	138	323756	71.34 ng	97
61) Azobenzene	5.96	77	1197072	67.69 ng	98
63) 4,6-Dinitro-2-methylphenol	5.91	198	197007	83.82 ng	87
64) n-Nitrosodiphenylamine	5.93	169	964597	79.49 ng	99
65) 4-Bromophenyl-phenylether	6.17	248	426828m	94.41 ng	
66) Hexachlorobenzene	6.23	284	423523	86.38 ng	98
67) Atrazine	6.26	200	361100	85.25 ng	97
68) Pentachlorophenol	6.36	266	391171	186.49 ng	98
69) Phenanthrene	6.50	178	1552112	75.70 ng	97
70) Anthracene	6.54	178	1566042	78.50 ng	97
71) Carbazole	6.64	167	1566404	78.38 ng	94
72) Di-n-butylphthalate	6.83	149	1908488	87.25 ng	96
73) Fluoranthene	7.33	202	1719672	82.11 ng	97
75) Benzidine	7.41	184	1018804	131.69 ng	98
76) Pyrene	7.50	202	1835272	75.00 ng	97
78) Butylbenzylphthalate	7.93	149	1017774	75.53 ng	99
79) Benzo(a)anthracene	8.44	228	1892202	74.53 ng	99
80) 3,3'-Dichlorobenzidine	8.40	252	620896	103.42 ng	94
81) Chrysene	8.48	228	1790401	78.41 ng	98
82) Bis(2-ethylhexyl)phthalate	8.38	149	1383742	77.64 ng	97
83) Di-n-octyl phthalate	9.03	149	2335327	75.24 ng	99
84) Indeno(1,2,3-cd)pyrene	12.27	276	2426313	72.79 ng	91
86) Benzo(b)fluoranthene	9.64	252	2299281	76.38 ng	98
87) Benzo(k)fluoranthene	9.67	252	1875723	70.93 ng	98
88) Benzo(a)pyrene	10.11	252	2034386	72.92 ng	99
89) Dibenzo(a,h)anthracene	12.29	278	2028946	71.36 ng	98
90) Benzo(g,h,i)perylene	12.91	276	2078909	72.37 ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CHEMTECH

SEMI-VOLATILE MISCELLANEOUS DATA

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: T5189 MATRIX: Water

METHOD: 8270

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8270 and CLP.			✓
b.	System Performance Check Compounds for 8270 and CLP			✓

8270 CALIBRATION CRITERIA

SPCC Compounds	MINRF	CCC Compounds	
		Base/Neutral Fraction	Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

The Blank analysis did not indicate the presence of lab contamination.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

7. Surrogate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria ✓

   If not met, list those compounds and their recoveries which fall outside the acceptable range.

9. Internal Standard Area/Retention Time Shift Meet Criteria ✓

   Comments:

10. Extraction Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

11. Analysis Holding Time Met ✓

    If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Kunpa Pushy
QA REVIEW

11/2/05
Date

CHEMTECH

Lab Chronicle

Order ID:	T5189	Order Date:	10/13/2005 12:36:19 PM
Client:	C.T. Male & Associates	Project:	714 Broadway, city of Schenectady
Contact:	Liz Rovers	Location	C51

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
T5189-01	**MW-1**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	
T5189-04	**MW-2**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	
T5189-05	**MW-3**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	
T5189-06	**MW-4**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	
T5189-07	**EBGW01**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	
T5189-08	**FDGW01**	**WATER**			**10/12/05**			**10/13/05**
			SVOC-STARS	8270		10/14/05	10/16/05	

CHEMTECH

EXTRACTION LOGPAGE

SOP#: M 3510 Cleanup Method: N/A Batch #: PB08174

Matrix: WATER Extraction Date: 10/14/2005

Review By: [signature] Extracted By: U. N

Method of Extraction ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

QC	mL. Spike	Concentration ug/mL	STD REF. # FROM LOG
Matrix Spike	1.0mL	50/100 ppm	OEP1030
Surrogate	1.0mL	100/150ppm	OEP1035

CHEMICAL USED	LOT #
Methylene Chloride	ER1268
Sodium Sulfate	ER1266
H2SO4 1:1	X559
NAOH	X560

Extraction Conformance/Non-Conformance Comments:

KD Bath Temperature: 65 C

Received Date: 10/15/05

Delivered Date: 10/[illegible]/05

RD 10/15/05

Envap Temperature: 40 C

Received By: [signature]

Delivered By: RD

CHEMTECH

EXTRACTION LOGPAGE

Method: 8270 Supervisor Review: [signature] Date: 10/15/05 PREP Batch #: PB08174

Extraction Date: 10/14/2005 Initials: UN Concentration Date: 10/15/05 Initials: RP

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol.(mL)	COMMENTS
T5189-02	MW-1MS	SVOC-STARS	980	7	bhuper	1	
T5189-04	MW-2	SVOC-STARS	980	7	bhuper	1	
T5189-06	MW-4	SVOC-STARS	960	7	bhuper	1	
PB08174BL		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
PB08174BS		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
T5145-02	BH-2B	SVOC-Chemtech Full BN-15	960	7	bhuper	1	
T5164-01	MW-1	SVOCMS Group1	970	7	bhuper	1	
T5164-02	MW-2R	SVOCMS Group1	980	7	bhuper	1	
T5164-03	MW-3R	SVOCMS Group1	960	7	bhuper	1	
T5164-04	MW-4	SVOCMS Group1	970	7	bhuper	1	
T5164-05	MW-5	SVOCMS Group1	970	7	bhuper	1	
T5164-06	FB10-11	SVOCMS Group1	980	7	bhuper	1	
T5189-01	MW-1	SVOC-STARS	960	7	bhuper	1	
T5189-03	MW-1MSD	SVOC-STARS	970	7	bhuper	1	
T5189-05	MW-3	SVOC-STARS	980	7	bhuper	1	
T5189-07	EBGW01	SVOC-STARS	970	7	bhuper	1	
T5189-08	FDGW01	SVOC-STARS	960	7	bhuper	1	

* Extracts relinguished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH

EXTRACTION LOGPAGE

Method: _____ Supervisor Review: _____ Date: / / PREP Batch #: PB08174

Extraction Date: 10/14/2005 Initials: ____ Concentration Date: / / Initials: ____

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol.(mL)	COMMENTS
T5189-02	MW-1MS	SVOC-STARS	980	7	bhuper	1	
T5189-04	MW-2	SVOC-STARS	980	7	bhuper	1	
T5189-06	MW-4	SVOC-STARS	960	7	bhuper	1	
PB08174BL		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
PB08174BS		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
T5145-02	BH-2B	SVOC-Chemtech Full BN-15	960	7	bhuper	1	
T5164-01	MW-1	SVOCMS Group1	970	7	bhuper	1	
T5164-02	MW-2R	SVOCMS Group1	980	7	bhuper	1	
T5164-03	MW-3R	SVOCMS Group1	960	7	bhuper	1	
T5164-04	MW-4	SVOCMS Group1	970	7	bhuper	1	
T5164-05	MW-5	SVOCMS Group1	970	7	bhuper	1	
T5164-06	FB10-11	SVOCMS Group1	980	7	bhuper	1	
T5189-01	MW-1	SVOC-STARS	960	7	bhuper	1	
T5189-03	MW-1MSD	SVOC-STARS	970	7	bhuper	1	
T5189-05	MW-3	SVOC-STARS	980	7	bhuper	1	
T5189-07	EBGW01	SVOC-STARS	970	7	bhuper	1	
T5189-08	FDGW01	SVOC-STARS	960	7	bhuper	1	

* Extracts relinguished on the same date as received Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH

EXTRACTION LOGPAGE

SOP#: M 3510
Matrix: WATER
Review By: [signature]

Cleanup Method: N/A

Batch #: PB08174
Extraction Date: 10/14/2005
Extracted By: U. N.

Method of Extraction ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

QC	mL. Spike	Concentration ug/mL	STD REF. # FROM LOG
Matrix Spike	1.0mL	50/100 ppm	OEP1030
Surrogate	1.0mL	100/150ppm	OEP1035

CHEMICAL USED	LOT #
Methylene Chloride	ER1268
Sodium Sulfate	ER1266
H2SO4 1:1	X559
NAOH	X560

Extraction Conformance/Non-Conformance Comments:

KD Bath Temperature: 65 C
Received Date: 10/15/05
Delivered Date: 10/17/05
RP 10/15/05

Envap Temperature: 40 C
Received By: [signature]
Delivered By: RP

CHEMTECH

EXTRACTION LOGPAGE

Method: 8270 Supervisor Review: [signature] Date: 10/15/05 PREP Batch #: PB08174

Extraction Date: 10/14/2005 Initials: UN Concentration Date: 10/15/05 Initials: RP

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol.(mL)	COMMENTS
T5189-02	MW-1MS	SVOC-STARS	980	7	bhuper	1	
T5189-04	MW-2	SVOC-STARS	980	7	bhuper	1	
T5189-06	MW-4	SVOC-STARS	960	7	bhuper	1	
PB08174BL		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
PB08174BS		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
T5145-02	BH-2B	SVOC-Chemtech Full BN-15	960	7	bhuper	1	
T5164-01	MW-1	SVOCMS Group1	970	7	bhuper	1	
T5164-02	MW-2R	SVOCMS Group1	980	7	bhuper	1	
T5164-03	MW-3R	SVOCMS Group1	960	7	bhuper	1	
T5164-04	MW-4	SVOCMS Group1	970	7	bhuper	1	
T5164-05	MW-5	SVOCMS Group1	970	7	bhuper	1	
T5164-06	FB10-11	SVOCMS Group1	980	7	bhuper	1	
T5189-01	MW-1	SVOC-STARS	960	7	bhuper	1	
T5189-03	MW-1MSD	SVOC-STARS	970	7	bhuper	1	
T5189-05	MW-3	SVOC-STARS	980	7	bhuper	1	
T5189-07	EBGW01	SVOC-STARS	970	7	bhuper	1	
T5189-08	FDGW01	SVOC-STARS	960	7	bhuper	1	

* Extracts relinquished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH

EXTRACTION LOGPAGE

Method: _____ Supervisor Review: _____ Date: / / PREP Batch #: PB08174

Extraction Date: 10/14/2005 Initials: _____ Concentration Date: / / Initials: _____

LAB SAMPLE ID	CLIENT SAMPLE ID	TEST	Weight/ Volume mL	PH	Ver. Sur./Spike	Final Vol.(mL)	COMMENTS
T5189-02	MW-1MS	SVOC-STARS	980	7	bhuper	1	
T5189-04	MW-2	SVOC-STARS	980	7	bhuper	1	
T5189-06	MW-4	SVOC-STARS	960	7	bhuper	1	
PB08174BL		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
PB08174BS		SVOC-Chemtech Full BN-15	1000	7	bhuper	1	
T5145-02	BH-2B	SVOC-Chemtech Full BN-15	960	7	bhuper	1	
T5164-01	MW-1	SVOCMS Group1	970	7	bhuper	1	
T5164-02	MW-2R	SVOCMS Group1	980	7	bhuper	1	
T5164-03	MW-3R	SVOCMS Group1	960	7	bhuper	1	
T5164-04	MW-4	SVOCMS Group1	970	7	bhuper	1	
T5164-05	MW-5	SVOCMS Group1	970	7	bhuper	1	
T5164-06	FB10-11	SVOCMS Group1	980	7	bhuper	1	
T5189-01	MW-1	SVOC-STARS	960	7	bhuper	1	
T5189-03	MW-1MSD	SVOC-STARS	970	7	bhuper	1	
T5189-05	MW-3	SVOC-STARS	980	7	bhuper	1	
T5189-07	EBGW01	SVOC-STARS	970	7	bhuper	1	
T5189-08	FDGW01	SVOC-STARS	960	7	bhuper	1	

* Extracts relinguished on the same date as received. Both person who concentrated and delivered the extracts and person accepting the extracts in Semi-Volatile lab, must sign.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: BNA E

Start Date: 10/12/05 End Date: 10/13/05 Analyst DMB Review By: [signature]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	05P1034	Initial Calibration Stds.	05P888-05P1003
CCC	05P1001	SUBDIRECTORY	B51012.D
Internal Standards	05B1813	HP Acquire Method	5973-B
ICV	05P1006	HP Processing Method	B51012C.M

SR. #:	Sample ID	Data File Name	Manual Integration Peak number/Reason	Comment	RE, DL - Data file
1	50ng DFTPP	B5012896	—	OK	HA
2	80ng BNA 2CC	87	60B	OK	
3	160ng BNA 2CC	88	81B. 87B. 49B. 58B. 60B. 76B.	OK	
4	200ng BNA 2CC	89	73B. 53B. 68B. 25B.	OK	
5	120ng BNA 2CC	B5012900	36B. 60B. 71B. 72B	OK	
6	50ng BNA 2CC	01	65B.	OK	
7	80ng 2CV	02	60B.	OK	
8	20ng Dioxane STD	03	—	Do not use	
9	100ng Dioxane STD	04	—		
10	6ng Dioxane STD	05	—		
11	50ng Dioxane STD	06	—		
12	10ng Dioxane STD	07	—		
13	20ng 2CV	08	—		
14					DMB 10/13/05
15					
16					
17					
18					
19					
20					

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: BNA E

Start Date: 10/17/97 End Date: 10/16/97 Analyst TMR Review By: 9~

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OSD1634	Initial Calibration Stds.	OSD585—OSD1003
CCC	OSD1000, 1501	SUBDIRECTORY	B810NT
Internal Standards	OSS1383	HP Acquire Method	SS73-B
ICV	NA	HP Processing Method	B810120.M

SR. #:	Sample ID	Data File Name	Manual Integration Peak number/Reason	Comment	RE, DL - Data file
1	50ngDFTPP	B30-60.M	—	OK	—
2	80ng ccc	16	—	OK	—
3	40ng ccc	17	—	Rest Required	—
4	PB081617B	18	—	OK	—
5	PB080886BS	19	—	OK	—
6	PB081617B	20	—	OK	—
7		21			
8	FF708140 TOX2	22	—	OK	—
9	-24	23	—	OK	—
10	-21	24	—	OK	—
11	PB081748	25	—	OK	—
12	PB081746BS	26	—	OK	—
13	N1450	27		Need dil 10X	
14	FS189-01	28	—	OK	ND
15	-04	29	—	OK	
16	-05	30	—	OK	
17	-06	31	—	OK	
18	-07	32	—	OK	
19	-08	33	—	OK	
20	FS164-01	34	—	OK	—

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: BNA E

Start Date: 10/16/97 End Date: 10/16/97 Analyst DNB Review By: [signature]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
DFTPP	OEP1036	Initial Calibration Stds.	OEP885—OEP1003
CCC	OEP1000, 1001	SUBDIRECTORY	B2101208
Internal Standards	OEP1887	HP Acquire Method	JT93-B
ICV	NA	HP Processing Method	B2101208.M

SR. #:	Sample ID	Data File Name	Manual Integration Peak number/Reason	Comment	RE, DL - Data file
1	JS1894-02	B2020021	—	OK	NA
2	-03	26	—	OK	
3	-04	27	—	OK	
4	-06	28	—	OK	
5	-05	29	—	OK	
6	JS1889-02MS	40	—	OK	—
7	-02MSD	41	—	OK	—
8	JS1889-06	42	4B. 8B. 5B	25% confirm	—
9		43			
10		44			
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

DNB 10/17/97

Manual Integration key:

Poor Resolution of peaks exhibited on chromatograms **(A)**
Peak Integrated by software incorrectly **(B)**
Poor Resolution of peaks exhibited on chromatograms **(C)**
Other- explain in the comment section **(D)**

SHIPPING AND RECEIVING DOCUMENTATION

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T5189

COC Number 054694

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T. Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway
PROJECT NO.: 05.5086 LOCATION: Schenectady, NY
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 518-786-7400 FAX: 518-786-7299

CLIENT BILLING INFORMATION

BILL TO: C.T. Male PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Standard DAYS *
HARD COPY: DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☐ USEPA CLP
- ☒ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 8260 VOC STARS+MTBE
2 8270 SVOC STARS B/N
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A,E	E								← Specify Preservatives A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other
1.	MW-1 and MS/MSD	GW	X		10/12/05	1014	9	X	X								Extra volumes for MS/MSD
2.	MW-2	GW	X			1133	3	X	X								
3.	MW-3	GW	X			1250	3	X	X								
4.	MW-4	GW	X			1400	3	X	X								
5.	EBGW01	DI water	X			1215	3	X	X								
6.	FDGW01	GW	X			1345	3	X	X								
7.	Trip Blank	Lab				—	2	X									
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Megan Dooley	10/12/05 1630	1. FedEx/Airbill 706651105503
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. Fed-Ex	10-13-05 9:40	3. D. Dixon

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Lab received
2 VIALS Broken
10/13/05
ZA

StorageLocation: C51
Sample: T5189-T5189-02-B
Cust Sample: MW-1-MS

StorageLocation: C51
Sample: T5189-T5189-08-B
Cust Sample: FDG01

900
☐ 4°C ☐ Other
C.T. Male & Associates
714 Broadway, city of Schenectady
STARS
VOA
Preservative: 1:1 HCl to pH < 2
pH < 2
C.T. Male & Associates
Broadway, city of Schenectady

MTECH (908) 789-8900
Contact:
Name:
MW-1 MS
Water ☐ Soil ☐ Other
Type: ☐ HNO_3 ☐ H_2SO_4 ☐ HCL ☐ NaOH
Date: 10/12/05 Time

HEMTECH (908) 789-8900
Client: Contact:
Project Name:
Sample I.D.: FDGW01
Analysis:
Matrix: ☐ Water ☐ Soil ☐ Other
Preservative: ☐ HNO_3 ☐ H_2SO_4 ☐ HCL ☐ NaOH ☐ 4°C
Sampling Date: 10/12/05 1345 Time:
1:1 HCl to

PLEASE FOLD THIS SHIPPING-DOCUMENT IN HALF AND PLACE IT IN A WAYBILL POUCH AFFIXED TO YOUR SHIPMENT SO THAT THE BAR-CODE PORTION OF THE LABEL CAN BE READ AND SCANNED. ***WARNING: USE ONLY THE PRINTED ORIGINAL LABEL FOR SHIPPING. USING A PHOTOCOPY OF THIS LABEL FOR SHIPPING PURPOSES IS FRAUDULENT AND COULD RESULT IN ADDITIONAL BILLING CHARGES, ALONG WITHTHE CANCELLATION OF YOUR FEDEX ACCOUNT NUMBER.

From: Origin ID: DSVA (518) 786-7400
ANNA E BROBSTON
C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DR

LATHAM, NY 12110

CLS011105/06/10

Ship Date: 12OCT05
Actual Wgt: 55.0 LB MAN
System#: 530710/CAFE2264
Account#: S 012200374

REF: 05.5086/ROVERS

Delivery Address Bar Code

SHIP TO: (908) 789-8900 BILL SENDER

SAMPLE RECEIVING
CHEMTECH
284 SHEFFIELD STREET

MOUNTAINSIDE, NJ 07092

PRIORITY OVERNIGHT

THU
Deliver By:
13OCT05

TRK# 7066 5110 5503

FORM 0201

EWR A1

07092 -NJ-US

Z3 KBCA

10-13-05
9:40

CHEMTECH

284 Sheffield ST. Mountainside, NJ 07092
Tel: 908-789-8900

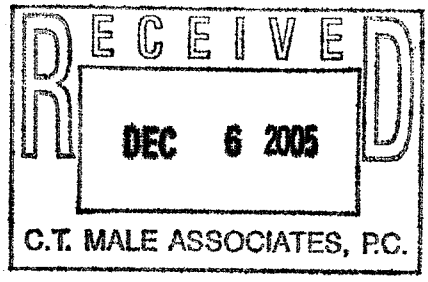
END OF ANALYTICAL RESULTS

APPENDIX G

DATA VALIDATION DATA USABILITY SUMMARY REPORT

CW CHEMWORLD ENVIRONMENTAL, INC.
Environmental Consulting Services

November 29, 2005



Ms. Elizabeth W. Rovers, P.E.
Managing Engineer
C.T. Male Associates, P.C.
50 Century Hill Drive
Latham, New York 12110-0727

RE: Data Usability Summary Report (DUSR) #1
714 Broadway Site, Schenectady, NY Project
Laboratory: ChemTech Consulting, Mountainside, NJ
SDG No. T5189
Water Samples
Analyses for NYSDEC STARS Volatile Organics and STARS Semi-Volatiles (Base/Neutral Extractables, only)

Dear Ms. Rovers:

Data Usability Summary Report (DUSR) technical services were performed by ChemWorld Environmental, Inc. for the 714 Broadway Site, Schenectady, NY Project for the water sampling event of October 12, 2005. The DUSR review was performed in accordance with USEPA Region II data validation guidelines and New York State Department of Environmental Protection (NYSDEC) Analytical Service Protocols (ASP) requirements, where applicable. The analytical data from Sample Delivery Group (SDG) No. T5189 was reviewed (screened) for the parameters noted. The data screening consisted of a review of the Quality Control (QC) Summary Forms and a brief review of various chromatograms and quantitation reports. The QC Forms were reviewed to determine whether any data required qualification based upon QC deviations noted on the Forms. The associated Analytical Data Result Forms are included as Attachment A. These Forms include data qualifiers as described within this letter report. Unless otherwise noted, all results included on the Forms are considered usable, based upon the DUSR review items noted below.

The DUSR review items include the following, as method appropriate:

- Completeness of Data Package
- Chain-of-Custody Review
- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- GC/MS Instrument Performance Check
- Initial and Continuing Calibration
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Matrix Spike Blanks (MSB)
- Internal Standards
- Method and Field Blanks
- Field Duplicates
- CRDL Standards for ICP
- Laboratory Duplicate Samples
- Laboratory Control Samples (LCS)
- ICP Interference Check
- ICP Serial Dilutions

14 Orchard Way North, Rockville, Maryland 20854, Tel. 301-294-6144, Fax 301-~~309-6640~~ 294-6144

The QC Summary Forms included one QC deviation, only, based upon acceptable limits for quality control. This QC deviation found within the Volatiles analyses is detailed below. However, both the Volatile and Semi-Volatile data generated for this project did not require any qualification.

It should also be noted that positive results were not detected in any of the water samples analyzed for NYSDEC STARS Volatile and STARS Semi-Volatile organics. In addition, samples MW-2 and FDGW01 were collected as field duplicate samples and analyzed for STARS Volatiles and STARS Semi-Volatiles. Positive results were not detected in any of the samples, therefore, acceptable precision was generated for the field duplicates.

Volatiles, SDG No. T5189

MS/MSD: The site-specific MS/MSD sample set for MW-1 generated high recovery for tert-Butyl benzene at 122% for the MS and 124% for the MSD (Limit 70-116). Positive results were not detected for sample MW-1, therefore, qualification was not required in relation to the high spike recovery. The associated Blank Spike sample generated acceptable recovery for all of the Volatile compounds.

Please contact me by telephone at 301-294-6144, should you require additional information or clarification regarding this Letter Report.

Sincerely,

Andrea P. Schuessler

Andrea P. Schuessler, CHMM
ChemWorld Environmental, Inc.

c: CT-2005.6 file

ORGANIC DATA QUALIFIERS

U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.

J - The associated numerical value is an estimated quantity.

JN - Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).

UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

C - Applies to Pesticide results where the identification has been confirmed by GC/MS.

E - Reported value is estimated due to quantitation above the calibration range.

D - Reported result taken from diluted sample analysis.

A - Aldol condensation product.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not Analyzed.

ATTACHMENT A

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-1	**SDG No.:**	T5189
Lab Sample ID:	T5189-01	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101614.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.35	105 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.64	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.47	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.75	100 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	463588	4.09			
540-36-3	1,4-Difluorobenzene	799202	4.56			
3114-55-4	Chlorobenzene-d5	756489	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	365690	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101833.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.21	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.88	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.27	97 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.6	91 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	488365	4.08			
540-36-3	1,4-Difluorobenzene	846578	4.55			
3114-55-4	Chlorobenzene-d5	787428	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	357253	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101834.D	1	10/18/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.35	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.29	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	46.54	93 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	45.84	92 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	448851	4.09			
540-36-3	1,4-Difluorobenzene	814931	4.55			
3114-55-4	Chlorobenzene-d5	733653	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	354262	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101835.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5	107 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	50.97	102 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.52	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	49.19	98 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	444823	4.08			
540-36-3	1,4-Difluorobenzene	793837	4.55			
3114-55-4	Chlorobenzene-d5	756689	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	366902	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101836.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.34	101 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.46	99 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.35	99 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.76	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	470330	4.09			
540-36-3	1,4-Difluorobenzene	809450	4.56			
3114-55-4	Chlorobenzene-d5	750034	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	352986	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101843.D	1	10/19/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.08	108 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	49.8	100 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	48.82	98 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	46.52	93 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	424751	4.09			
540-36-3	1,4-Difluorobenzene	762924	4.55			
3114-55-4	Chlorobenzene-d5	696379	7.62			
3855-82-1	1,4-Dichlorobenzene-d4	330497	9.82			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/2005
Client Sample ID:	TRIPBLANK	**SDG No.:**	T5189
Lab Sample ID:	T5189-09	**Matrix:**	WATER
Analytical Method:	8260	**% Moisture:**	100
Sample Wt/Vol:	5.0 Units: mL	**Soil Extract Vol:**	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD101610.D	1	10/16/2005	VD101305

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.28	U	5.0	0.28	ug/L
71-43-2	Benzene	0.39	U	5.0	0.39	ug/L
108-88-3	Toluene	0.36	U	5.0	0.36	ug/L
100-41-4	Ethyl Benzene	0.45	U	5.0	0.45	ug/L
126777-61-2	m&p-Xylenes	1.2	U	5.0	1.2	ug/L
95-47-6	o-Xylene	0.46	U	5.0	0.46	ug/L
98-82-8	Isopropylbenzene	0.44	U	5.0	0.44	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.42	U	5.0	0.42	ug/L
98-06-6	tert-Butylbenzene	0.39	U	5.0	0.39	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.44	U	5.0	0.44	ug/L
135-98-8	Sec-butylbenzene	0.44	U	5.0	0.44	ug/L
99-87-6	p-Isopropyltoluene	0.49	U	5.0	0.49	ug/L
104-51-8	n-Butylbenzene	0.49	U	5.0	0.49	ug/L
91-20-3	Naphthalene	0.34	U	5.0	0.34	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.07	102 %	72 - 119		SPK: 50
1868-53-7	Dibromofluoromethane	48.98	98 %	85 - 115		SPK: 50
2037-26-5	Toluene-d8	49.95	100 %	81 - 120		SPK: 50
460-00-4	4-Bromofluorobenzene	47.14	94 %	76 - 119		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	438185	4.10			
540-36-3	1,4-Difluorobenzene	769399	4.56			
3114-55-4	Chlorobenzene-d5	723602	7.63			
3855-82-1	1,4-Dichlorobenzene-d4	347918	9.83			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-1	**SDG No.:**	T5189
Lab Sample ID:	T5189-01	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026028.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	124.93	62 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	111.14	56 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	95.12	48 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263488	3.65			
1146-65-2	Naphthalene-d8	893933	4.43			
15067-26-2	Acenaphthene-d10	536158	5.52			
1517-22-2	Phenanthrene-d10	777658	6.48			
1719-03-5	Chrysene-d12	753299	8.44			
1520-96-3	Perylene-d12	878361	10.18			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-2	**SDG No.:**	T5189
Lab Sample ID:	T5189-04	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026029.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	93.86	47 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	87.17	44 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	81.19	41 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	275455	3.65			
1146-65-2	Naphthalene-d8	933550	4.42			
15067-26-2	Acenaphthene-d10	556400	5.52			
1517-22-2	Phenanthrene-d10	846632	6.48			
1719-03-5	Chrysene-d12	792670	8.43			
1520-96-3	Perylene-d12	929266	10.16			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-3	**SDG No.:**	T5189
Lab Sample ID:	T5189-05	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	980.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026030.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.760	U	10	0.760	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	U	10	0.840	ug/L
53-70-3	Dibenz(a,h)anthracene	0.880	U	10	0.880	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	111.04	56 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	99.25	50 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	93.83	47 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267180	3.65			
1146-65-2	Naphthalene-d8	918717	4.43			
15067-26-2	Acenaphthene-d10	544747	5.52			
1517-22-2	Phenanthrene-d10	812852	6.48			
1719-03-5	Chrysene-d12	760627	8.41			
1520-96-3	Perylene-d12	890690	10.14			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	MW-4	**SDG No.:**	T5189
Lab Sample ID:	T5189-06	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026031.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	139.64	70 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	122.08	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	119.36	60 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245732	3.65			
1146-65-2	Naphthalene-d8	844097	4.42			
15067-26-2	Acenaphthene-d10	501011	5.52			
1517-22-2	Phenanthrene-d10	712464	6.47			
1719-03-5	Chrysene-d12	706383	8.41			
1520-96-3	Perylene-d12	806660	10.14			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	EBGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-07	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Vol:	970.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026032.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.4	U	10	1.4	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
206-44-0	Fluoranthene	1.2	U	10	1.2	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	10	1.1	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.770	U	10	0.770	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	10	1.9	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.850	U	10	0.850	ug/L
53-70-3	Dibenz(a,h)anthracene	0.890	U	10	0.890	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	144.86	72 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	121.44	61 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	125.77	63 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	248848	3.65			
1146-65-2	Naphthalene-d8	847613	4.42			
15067-26-2	Acenaphthene-d10	501492	5.52			
1517-22-2	Phenanthrene-d10	726685	6.48			
1719-03-5	Chrysene-d12	701006	8.44			
1520-96-3	Perylene-d12	808354	10.18			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	10/12/2005
Project:	714 Broadway, city of Schenectady	**Date Received:**	10/13/200
Client Sample ID:	FDGW01	**SDG No.:**	T5189
Lab Sample ID:	T5189-08	**Matrix:**	WATER
Analytical Method:	8270	**% Moisture:**	100
Sample Wt/Wol:	960.0 mL	**Extract Vol:**	1000 uL

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BE026033.D	1	10/14/2005	10/16/2005	BE101205

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
91-20-3	Naphthalene	1.4	U	10	1.4	ug/L
83-32-9	Acenaphthene	1.4	U	10	1.4	ug/L
86-73-7	Fluorene	1.5	U	10	1.5	ug/L
85-01-8	Phenanthrene	1.5	U	10	1.5	ug/L
120-12-7	Anthracene	1.5	U	10	1.5	ug/L
206-44-0	Fluoranthene	1.3	U	10	1.3	ug/L
129-00-0	Pyrene	1.5	U	10	1.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	U	10	1.2	ug/L
218-01-9	Chrysene	1.7	U	10	1.7	ug/L
205-99-2	Benzo(b)fluoranthene	0.780	U	10	0.780	ug/L
207-08-9	Benzo(k)fluoranthene	2.0	U	10	2.0	ug/L
50-32-8	Benzo(a)pyrene	1.2	U	10	1.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.860	U	10	0.860	ug/L
53-70-3	Dibenz(a,h)anthracene	0.900	U	10	0.900	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	10	1.1	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	134.85	67 %	35 - 114		SPK: 20
321-60-8	2-Fluorobiphenyl	113.98	57 %	43 - 116		SPK: 20
1718-51-0	Terphenyl-d14	116.75	58 %	33 - 141		SPK: 20
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270835	3.65			
1146-65-2	Naphthalene-d8	926350	4.43			
15067-26-2	Acenaphthene-d10	555524	5.52			
1517-22-2	Phenanthrene-d10	811175	6.48			
1719-03-5	Chrysene-d12	768827	8.43			
1520-96-3	Perylene-d12	904083	10.17			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

APPENDIX H

APPROVED WASTE CHARACTERIZATION PROFILES AND ASSOCIATED DOCUMENTS

H.1 Tank Wastes
H.2 Petroleum Contaminated Soil
H.3 Decontamination Water, and Well Development and Purge Water
H.4 Miscellaneous Chemical Product Containers
H.5 Manhole Sump Wastes

H.1 Tank Wastes

Norlite Corporation

OCT 03 2005

628 SO. SARATOGA ST.
P.O. BOX 694
COHOES, NY 12047
PHONE (518) 235-0401
FAX (518) 235-0233

September 27, 2005

City of Schenectady - City Hall
Attn: Mr. Bernard Sisson
105 Jay Street - Room 205
Schenectady, NY 12305

Approval Date: 9/22/2005
Approval Waste Stream Number: ST# 0229-5N

Dear Mr. Sisson:

Pursuant to Federal and State notification requirements found in 40 CFR Parts 262 and 264 and 6 NYCRR 372 and 373, this letter hereby certifies that Norlite Corporation, Cohoes, New York, currently maintains the appropriate permits and has the capacity to treat the following approved waste stream. Specifically, this certification is being provided for the waste stream with the approval number listed above

Norlite Corporation assures that the above listed waste will be managed in accordance with the ultimate disposal method indicated on the Shipping Document for the above listed waste stream approval number.

A copy of the approved profile is enclosed with this letter.

Should you have any questions concerning this certification, please call me at (518) 235-0401 extension 4044.

Sincerely,

Charles T. Story
Vice President-Business Development
NORLITE CORPORATION

Encl.

Norlite Corporation

628 South Saratoga Street
Cohoes, New York 12047
Phone: (518) 235-0401 Fax: (518) 235-0233

WASTE STREAM PROFILE No. 0229-SW

Approved for Acceptance: ☒ Yes ☐ No
Reviewed by: _____ Date _____
Approved by: Thomas Van Vranken Date 9/22/05

PLEASE ATTACH: All Material Safety Data Sheets (MSDS), Analysis Reports, Handling Precautions, Additional Hazard Information, Support Data & Comments.

GENERATOR INFORMATION

Site Name: City of Schenectady
Address: 714 Broadway
Schenectady, NY
Mailing Name: City Hall - Room 205
Address: 105 JAY ST.
Schenectady, NY 12305
EPA I.D. #: N/A
Technical Contact: Bernard Sisson, PE
Phone #: 518-382-5082 Fax #: (518) 382-1050
Shipping Contact: Mike Craft
Phone #: 518-747-3050 Fax #: 518-747-3179

Billing Name: MC Environmental Services, Inc.
Address: 22 Hudson Falls Road
South Glens Falls, NY 12803
Contact: Mike Craft
Phone #: 518-747-3050 Fax #: 518-747-3179
Transporter Name: MC Environmental Services, Inc.
Address: (same as above)
EPA I.D. #: NYR 000021071
Contact: Mike Craft
Phone #: 518-747-3050 Fax #: 518-747-3179

WASTE DESCRIPTION

Generators Name For Waste: Gasoline and Water
Process Generating Waste: UST Removal

SHIPPING INFORMATION

DOT Shipping Name: Gasoline & Water Mix
DOT Hazard Class: 3 Packing Group: II (UN/NA No. 1203
EPA Hazardous Waste Codes: NA
Estimated Volume: ± 2000 GAL.
Container Type: ☒ Bulk ☐ Drum ☐ Roll-Off

CHEMICAL COMPOSITION - (Totals to 100%)

Water	85-95 %	_____	_____ %
Gasoline	5-15 %	_____	_____ %
_____	_____ %	_____	_____ %
_____	_____ %	_____	_____ %
_____	_____ %	_____	_____ %
_____	_____ %	_____	_____ %
_____	_____ %	_____	_____ %
_____	_____ %	_____	_____ %

PHYSICAL CHARACTERISTICS @ 70 F

Color: light ☒ Liquid ☐ Single Phase
Odor: gas ☐ Semi-Liquid ☒ Bi-Layered
Specific Gravity: <1 ☐ Solid ☐ Multi-Layered
pH: 5-9 % Solids: 1 % Water: 85-95
Viscosity: ☒ Low ☐ Medium ☐ High

TOTAL METALS

Antimony (Sb)	0 ppm	Lead (Pb)	0 ppm
Arsenic (As)	_____ ppm	Mercury (Hg)	_____ ppm
Barium (Ba)	_____ ppm	Nickel (Ni)	_____ ppm
Beryllium (Be)	_____ ppm	Selenium (Se)	_____ ppm
Cadmium (Cd)	_____ ppm	Silver (Ag)	_____ ppm
Chromium (Cr)	_____ ppm	Thallium (Ti)	_____ ppm
Copper (Cu)	_____ ppm	Zinc (Zn)	_____ ppm

WASTE ANALYSIS

Heat of Combustion: 1000 Btu's/lb. Flash Point: 71/41 °F
Halogens: N/A % Sulfur: N/A % Ash: N/A %
PCB's: N/A ppm Corrosivity: N/A mm/yr.

OTHER CHARACTERISTICS (Yes/No)

Reactive: NO	Infectious: NO	Explosive: NO
Biological: NO	Pyrophoric: NO	Radioactive: NO

OTHER COMPONENTS

Herbicides: N/A ppm	Cyanide: N/A ppm
Pesticides: N/A ppm	Sulfide: N/A ppm
Dioxins: N/A ppm	PBB: N/A ppm

List Acute Hazardous Wastes as defined in 40CFR 261.33(e) or 6NYCRR 371.4(d)(5). List any Hazardous Constituents as defined by 40CFR 261 Appendix VIII. Describe any special handling requirements associated with this waste system.

CERTIFICATION: I attest and certify that all information provided is complete and accurate. This low grade fuel is properly described with no willful omissions and that all known or suspected hazards have been disclosed and the low grade fuel is not a PCB waste that is defined in 40 CFR 761.3. Any changes or additional information obtained about this waste stream will be promptly conveyed to the Norlite Corporation.

Bernard Sisson City Engineer — Print Name and Title
Signature
9/19/05 — Date

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

April 06, 2004

FOR: Attn: Ms. Liz Rovers
CT Male Associates, PC
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:	SB	03/30/04	14:00
Location Code:	CT-MALE	Received by:	KJB	03/31/04	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	049133				

SDG I.D.: GAF46457
Phoenix I.D.: AF46457

Laboratory Data

Client ID: 714 BROADWAY UST INVEST TANK-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,1-Trichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,2,2-Tetrachloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1,2-Trichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
1,1-Dichloropropene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,3-Trichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,3-Trichloropropane	35	10	ug/L	04/02/04		RM	8021/8260
1,2,4-Trichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2,4-Trimethylbenzene	1300	10	ug/L	04/02/04		RM	8021/8260
1,2-Dibromo-3-chloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
1,2-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,3,5-Trimethylbenzene	310	10	ug/L	04/02/04		RM	8021/8260
1,3-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
1,3-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
1,4-Dichlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
2,2-Dichloropropane	ND	10	ug/L	04/02/04		RM	8021/8260
2-Chlorotoluene	ND	10	ug/L	04/02/04		RM	8021/8260
4-Chlorotoluene	ND	10	ug/L	04/02/04		RM	8021/8260
Benzene	ND	10	ug/L	04/02/04		RM	8021/8260

Client ID: 714 BROADWAY UST INVEST TANK-5 Phoenix I.D.: AF46457

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Bromochloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Bromodichloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Bromoform	ND	10	ug/L	04/02/04		RM	8021/8260
Bromomethane	ND	10	ug/L	04/02/04		RM	8021/8260
Carbon tetrachloride	ND	10	ug/L	04/02/04		RM	8021/8260
Chlorobenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Chloroethane	ND	10	ug/L	04/02/04		RM	8021/8260
Chloroform	ND	10	ug/L	04/02/04		RM	8021/8260
Chloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
cis-1,2-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromochloromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromoethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dibromomethane	ND	10	ug/L	04/02/04		RM	8021/8260
Dichlorodifluoromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Ethylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Hexachlorobutadiene	ND	10	ug/L	04/02/04		RM	8021/8260
Isopropylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
m&p-Xylene	300	10	ug/L	04/02/04		RM	8021/8260
Methyl t-butyl ether (MTBE)	ND	20	ug/L	04/02/04		RM	8021/8260
Methylene chloride	ND	10	ug/L	04/02/04		RM	8021/8260
n-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
n-Propylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Naphthalene	11	10	ug/L	04/02/04		RM	8021/8260
o-Xylene	94	10	ug/L	04/02/04		RM	8021/8260
p-Isopropyltoluene	18	10	ug/L	04/02/04		RM	8021/8260
sec-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Styrene	ND	10	ug/L	04/02/04		RM	8021/8260
tert-Butylbenzene	ND	10	ug/L	04/02/04		RM	8021/8260
Tetrachloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Toluene	ND	10	ug/L	04/02/04		RM	8021/8260
trans-1,2-Dichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Trichloroethene	ND	10	ug/L	04/02/04		RM	8021/8260
Trichlorofluoromethane	ND	10	ug/L	04/02/04		RM	8021/8260
Vinyl chloride	ND	10	ug/L	04/02/04		RM	8021/8260
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	90		%	04/02/04		RM	8021/8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
April 06, 2004

PHOENIX

ACCREDITED IN ACCORDANCE WITH nelac

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 06, 2004

QA/QC Data

SDG I.D.: GAF46457

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF46784 (AF46457)					
Volatiles Organics					
1,1,1,2-Tetrachloroethane	ND	95			
1,1,1-Trichloroethane	ND	99			
1,1,2,2-Tetrachloroethane	ND	121			
1,1,2-Trichloroethane	ND	121			
1,1-Dichloroethane	ND	92			
1,1-Dichloroethene	ND	87	102	103	1.0
1,1-Dichloropropene	ND	86			
1,2,3-Trichlorobenzene	ND	71			
1,2,3-Trichloropropane	ND	117			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	81			
1,2,4-Trimethylbenzene	ND	92			
1,2-Dibromo-3-chloropropane	ND	116			
1,2-Dichlorobenzene	ND	100			
1,2-Dichloroethane	ND	100			
1,2-Dichloropropane	ND	101			
1,3,5-Trimethylbenzene	ND	94			
1,3-Dichlorobenzene	ND	99			
1,3-Dichloropropane	ND	100			
1,4-Dichlorobenzene	ND	98			
2,2-Dichloropropane	ND	95			
2-Chlorotoluene	ND	98			
4-Chlorotoluene	ND	97			
Benzene	ND	105	110	108	1.8
Bromobenzene	ND	104			
Bromochloromethane	ND	111			
Bromodichloromethane	ND	102			
Bromoform	ND	113			
Bromomethane	ND	141			
Carbon Tetrachloride	ND	105			
Chlorobenzene	ND	99	97	98	1.0
Chloroethane	ND	106			

QA/QC Data

SDG I.D.: GAF46457

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	106			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	103			
cis-1,3-Dichloropropene	ND	101			
Dibromochloromethane	ND	100			
Dibromoethane	ND	115			
Dibromomethane	ND	113			
Dichlorodifluoromethane	ND	72			
Ethylbenzene	ND	92			
Hexachlorobutadiene	ND	94			
Isopropylbenzene	ND	98			
m&p-Xylene	ND	95			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	107			
n-Butylbenzene	ND	91			
n-Propylbenzene	ND	90			
Naphthalene	ND	62			
o-Xylene	ND	93			
p-Isopropyltoluene	ND	96			
sec-Butylbenzene	ND	93			
Styrene	ND	95			
tert-Butylbenzene	ND	96			
Tetrachloroethene	ND	85			
Toluene	ND	106	110	107	2.8
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	90			
trans-1,3-Dichloropropene	ND	104			
Trichloroethene	ND	89	92	90	2.2
Trichlorofluoromethane	ND	89			
Vinyl Chloride	ND				
% Bromofluorobenzene	81	91	76	80	5.1

Comment: LFB was analyzed with this batch instead of MS/MSD

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
RPD - Relative Percent Difference
LCS - Laboratory Control Sample

Phyllis Shiller

Phyllis Shiller, Laboratory Director
April 06, 2004

PHOENIX

Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823
Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

DATE RCVD:

Customer: CT Male Associates, PC
Address: 50 Century Hill Drive
Latham, NY 12210

Project: 714 Broadway UST Investigations
Report To: Liz Rowers
Invoice To: Liz Rowers

Project P.O.: 04.9133
Phone #: (518) 786-7492
Fax #: (518) 786-7299

Client Sample – Information – Identification

Sampler's Signature: X Steph Bik Date: 3/30/04

Analysis Requested

Item #	Customers Sample Ident	Sample Matrix	Date	Time	8021 (Full)	PCB's 8082	TCLP Pb & Cr	VOA VIALS w/HCl	PL( ) GL(3) HNO3 ( )	PL( ) GL( ) +NaOH ( ) 250 ML	PL( ) GL(1) AS IS ( )	GL + H2SO4 ( )	Field Filtered + HNO3 ( )	Bacteria Bottle ( )	PHOENIX SAMPLE #
	Tank-5	H2O	3/30/04	2:00 PM	3	1	1	3	1		1				46457
	Tank-6	H2O	3/30/04	2:28 PM	3	1	1	3	1		1				46458
	Tank-7	H2O	3/30/04	2:51 PM	3	1	1	3	1		1				46459
	Trip Blank	H2O			2			2							

Item #	Relinquished by:	Accepted by:	Date:	Time:
			3/30/04	1605
			3/30/04	1605
		KB	3/31/04	10:40

Comments:
Hold samples until ok to analyze per Liz Rowers

Run Tank 5 Sample for 8021 VOC Full List per Liz Rowers 4-1-04

Standard lab turnaround is 10 working days. Accelerated turnarounds are always available. Check with office on prevailing surcharge. ACCELERATED TURN-AROUND TIME REQUESTED: ___1 ___2 ___3 ___4 ___5 working days.

UNITED INDUSTRIAL SERVICES
DIVISION OF UNITED OIL RECOVERY, INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745
FAX (203) 238-6772

"An Equal Opportunity Employer"

September 22, 2005

BERNARD SISSON, PE
CITY OF SCHENECTADY/ CITY HALL
105 JAY STREET, RM 205
SHENECTADY, NY 12303

Dear: BERNARD SISSON, PE

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
2347GTBN3	CITY OF SCHENECTADY - SLUDGE / GAS

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0887, to schedule or if you have any questions or changes regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

09/27/2005 09:24 MC ENVIR SVCES → 7867299 NO.727 P03
09/27/2005 09:24 MC ENVIR SVCES → 7867299 NO.727 P02
SEP-26-2005 08:56 ENVIRONMENTAL LAB GRACEY 203 238 6744 P.002
09/21/2005 08:58 MC ENVIR SVCES → 2338233 NUKLIITE
JUN.-15'98 (MON) 14:40 UNITED INDUSTRIAL TEL:203 238 6772 P.001

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451 - (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

JOB USE ONLY
New / Update
Profile # 2347GTBM3
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR
Site Name: City of Schenectady
Address: 714 Broadway
Schenectady, NY
Mailing Name: City Hall - Room 205
Address: 105 Jay St.
Schenectady, NY 12305
Technical Contact: Bernard Sisson PE
Phone #: 518-382-5082
Shipping Contact: Mike Craft
Phone #: 518-747-3050
EPA ID #: N/A

BROKER / SALESPERSON
Name: MC Environmental Svcs Inc Ref #
Address: 22 Hudson Falls Rd
South Glens Falls NY 12803
Contact: Mike Craft Phone #: 518-747-3050

TRANSPORTER
Name: MC Environmental Services, Inc.
Address: 22 Hudson Falls Rd.
South Glens Falls, NY 12803
Contact: Mike Craft Phone #: 518-747-3050
EPA ID #: NYR000021071

WASTE DESCRIPTION
Chemical & Physical State: (•) Liquid ( ) Semi-Liquid (•) Solids
pH: ( ) Multilayered ( ) 2-4 ( ) 5-8 ( ) 9-10 ( ) 10-11 ( ) 12 (•) >12
(•) Single Phase ( ) Multi-Phase
Odor: GAS Flash Point: None % Oil: 10% % Bottom Sediment: 70%
TDS: Heat Value (BTU/lb): 500 % Interface: — Specific Gravity: <1
Color: Dark % Water: 10%

Please submit one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

UST and AGT Cleaning

REF APP # 02295GFL

CHEMICAL CONSTITUENTS

Petroleum Fluids	Suspected Levels	Actual Levels (UCR use only)
PCBs	Ø	Ø
Halogens		
Solvents		
Arsenic (As)		
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		

Please list Specific Solvents:

Aqueous Fluids	Suspected Levels	Actual Levels (UCR use only)
Copper (Cu)	Ø	Ø
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		
Nickel (Ni)		
Silver (Ag)		
Zinc (Zn)		

	Suspected Levels	Actual Levels (UCR use only)
Selenium (Se)	Ø	Ø
Mercury (Hg)		
Cyanide (CN)		
Iron (Fe)		
pH		
Phenols		

This waste is: ( ) RCRA Listed (X) State Regulated ( ) Non-Regulated ( ) Virgin Material
RCRA Number(s):
State Number: CT05
Notes & special handling information:

SHIPPING INFORMATION
DOT Hazard Class / Packing Group: NONE
DOT Shipping Name: Connecticut Regulated Waste
NONE NONE
Additional Description: Gasoline & Fuel Oil Tank Bottoms
( ) DOT Regulated (X) Non-Regulated
UN/NA Number: NONE
Amount of Waste / Shipment (gals.): 2 Drums
Frequency of Shipment: Once

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted for the handling crew. Shipping regulations and weight and size limits shown have been reviewed per available by the Red Oil Recovery, Inc. If any of any item, the information stated should change or prove unknown, additional sampling may be required. Upon receipt of the waste, United Oil Recovery, Inc. has the right to reject any load that does not conform to the above description. The undersigned accepts full responsibility for any misrepresentation of any damage that the misrepresentation may cause to employees or property of United Oil Recovery Inc. This will also certify that this waste stream does not contain Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of refusal of approval by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature: [signature] Title: City Engineer Date: 9/19/05

DISPOSAL INSTRUCTIONS
Received On: Received By:
Sample Container:
Approved By:
Comments:
M S

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

UOR USE ONLY	
New	Update
Profile #	
Sample Arrival Date	

WASTE STREAM PROFILE SHEET

GENERATOR

Site Name	City of Schenectady
Address	714 Broadway
	Schenectady, NY
Mailing Name	City Hall - Room 205
Address	105 JAY St.
	Schenectady, NY 12305
Technical Contact	Bernard Sisson, PE
Phone #	518-382-5082
Shipping Contact	Mike Craft
Phone #	518-747-3050
EPA ID #	N/A

BROKER / SALESPERSON

Name	MC Environmental Svcs, Inc Ref #
Address	22 Hudson Falls Rd.
	South Glens Falls, NY 12803
Contact	Mike Craft Phone # 518-747-3050

TRANSPORTER

Name	MC Environmental Services, Inc.
Address	22 Hudson Falls Rd.
	South Glens Falls, NY 12803
Contact	Mike Craft Phone # 518-747-3050
EPA ID #	NYR000021071

WASTE DESCRIPTION

Chemical & Physical State: ☐ Liquid ☐ Semi-Liquid (✓) Solids | ☐ Multilayered ☐ Bilayered (✓) Single Phase

pH: ☐ 2-4 ☐ 4-6 (✓) 6-8 ☐ 8-10 ☐ 10-12 ☐ >12

Odor GAS Flash Point None % Oil 10 % Bottom Sediment 99

TSS 1 Heat Value (BTU/lb) 500 % Interface Specific Gravity <1

Color Dark % Water 10

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

UST and AGT Cleaning

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	Ø	Ø
Halogens	↓	↓
Solvents	↓	↓
Arsenic (As)	↓	↓
Cadmium (Cd)	↓	↓
Chromium (Cr)	↓	↓
Lead (Pb)	↓	↓

Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)
Copper (Cu)	Ø	Ø
Cadmium (Cd)	↓	↓
Chromium (Cr)	↓	↓
Lead (Pb)	↓	↓
Nickel (Ni)	↓	↓
Silver (Ag)	↓	↓
Zinc (Zn)	↓	↓

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	Ø	Ø
Mercury (Hg)	↓	↓
Cyanide (CN^-)	↓	↓
Iron (Fe)	↓	↓
pH	↓	↓
Phenols	↓	↓

This waste is:
☐ RCRA Listed
(✓) State Regulated
☐ Non-Regulated
☐ Virgin Material

RCRA Number(s): N/A

State Number:

Notes & special handling information:

Please list Specific Solvents:

SHIPPING INFORMATION

DOT Hazard Class / Packing Group: NONE ☐ DOT Regulated ☐ Non-Regulated

DOT Shipping Name: Connecticut Regulated Waste UN/NA Number: NONE

NONE NONE Amount of Waste / Shipment (gals.): 2 Drums

Additional Description: Gasoline & Fuel Oil Tank Bottoms Frequency of Shipment: Once

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature [signature] Title City Engineer Date 9/19/05

FACILITY USE ONLY

Rec'd on	Rec'd By
Sample Container	
Approved By	
Comments	
M	B

P. 001
TEL:203 238 6772
JUN. -15' 98 (MON) 14:40 UNITED INDUSTRIAL

H.2 Petroleum Contaminated Soil

CITY OF SCHENECTADY
NEW YORK

DEPARTMENT OF ENGINEERING

ROOM 205 CITY HALL
105 JAY STREET
SCHENECTADY, NEW YORK 12305
(518) 382-5082
FAX (518) 382-1050

BERNARD R. SISSON, PE
CTY ENGINEER

September 27, 2005

City of Albany
Attn.: Ms. Kelly Dwyer
525 Rapp Road
Albany, New York 12205

Dear Sirs:

The attached laboratory analysis test report provides results of a representative composite soil sample taken from the petroleum contaminated soil excavation at 714 Broadway in the City of Schenectady, New York by Nate Freeman of C.T. Male Associates, P.C. on September 26, 2005.

The subject soil, which is located where listed below, is contaminated by the listed petroleum products only, and does not contain any other materials to the best of my knowledge.

SITE NAME AND NYSDEC SPILL NUMBER	SITE ADDRESS	TYPE OF PETROLEUM PRODUCT PRESENT IN SOIL
City of Schenectady 714 Broadway Site #04-00440	714 Broadway, Schenectady, New York 12305	Gasoline

I hereby affirm these statements to be true to the best of my knowledge.

Bernard R. Sisson, P.E.
City Engineer, City of Schenectady

9/28/05
Date

Enclosure

cc: Liz Rovers, C.T. Male Associates, P.C.

City of Albany
Solid Waste Management Facility
525 Rapp Road
Albany, NY 12205
Petroleum Contaminated Soil Data Sheet

Name of Generator:	City of Schenectady
Address:	Department of Engineering and Public Works
	City Hall Room 205
	105 Jay Street, Schenectady, NY 12305
Name of Transporter:	MC Environmental Services, Inc.
Address:	22 Hudson Falls Road
	South Glens Falls, NY 12803
Name of Broker:	MC Environmental Services, Inc.
Address:	22 Hudson Falls Road
	South Glens Falls, NY 12803
Soil Location:	City of Schenectady
Site Address:	714 Broadway
	Schenectady, NY 12305
DEC Spill #:	04-00440
Contaminant Type:	Gasoline / Petroleum
Approximate Volume:	200 Tons
Shipping Dates:	Week of 10/3/05; Starting 10/3/05
Contact Person:	Mike Craft / Liz Rovers
Telephone Number:	518-747-3050 / 518-786-7492
FAX Number:	518-747-3179 / 518-786-7219
Lot # (Assigned by City):	# 2474

Constituent	Testing Methodology	Lab Level	Reg. Level
Metals			(mg/L)
1. Arsenic	TCLP EPA Method 6010	<0.0332 mg/L	5.00
2. Barium	TCLP EPA Method 6010	0.1437	100.00
3. Cadmium	TCLP EPA Method 6010	<0.0033	1.00
4. Chromium	TCLP EPA Method 6010	0.0176	5.00
5. Lead	TCLP EPA Method 6010	0.05971	5.00
6. Mercury	TCLP EPA Method 7470	<0.00033	0.20
7. Selenium	TCLP EPA Method 6010	<0.0304	1.00
8. Silver	TCLP EPA Method 6010	<0.0164 ↓	5.00
Volatiles			(mg/L)
1. Benzene	TCLP EPA Method 8260	<0.0019 mg/L	0.50
2. Carbon Tetrachloride	TCLP EPA Method 8260	<0.0057	0.50
3. Chlorobenzene	TCLP EPA Method 8260	<0.0023	100.00
4. Chloroform	TCLP EPA Method 8260	<0.0017	6.00
5. 1,2 Dichloroethane	TCLP EPA Method 8260	<0.0017	0.50
6. 1,1 Dichloroethene	TCLP EPA Method 8260	<0.0021	0.70
7. Methyl Ethyl Ketone	TCLP EPA Method 8260	<0.0057	200.00
8. Tetrachloroethene	TCLP EPA Method 8260	<0.0024	0.70
9. Trichloroethene	TCLP EPA Method 8260	<0.0023	0.50
10. Vinyl Chloride	TCLP EPA Method 8260	<0.0016 ↓	0.20
Semi Volatiles			(mg/L)
1. o-Cresol	TCLP EPA Method 8270	<0.0015 mg/L	200.00
2. m-Cresol	TCLP EPA Method 8270	<0.0013	200.00
3. Cresol (Total)	TCLP EPA Method 8270	<0.0015	200.00
4. 1,4-Dichlorobenzene	TCLP EPA Method 8270	<0.0012	7.50
5. 2,4-Dinitrotolunene	TCLP EPA Method 8270	<0.0012	0.13
6. Hexachlorobenzene	TCLP EPA Method 8270	<0.0012	0.13
7. Hexachloro-1,3 butadiene	TCLP EPA Method 8270	<0.0014	0.50
8. Hexachloroethane	TCLP EPA Method 8270	<0.0012	3.00
9. Nitrobenzene	TCLP EPA Method 8270	<0.0016	2.00
10. Pentachlorophenol	TCLP EPA Method 8270	<0.0016	100.00
11. Pyridine	TCLP EPA Method 8270	<0.00098	5.00
12. 2,4,5-Trichlorophenol	TCLP EPA Method 8270	<0.0012	400.00
13. 2,4,6-Trichlorophenol	TCLP EPA Method 8270	<0.0011 ↓	2.00
Pesticides & Herbicides			(mg/L)
1. Chlordane	TCLP EPA Method 8081	<0.0001914 mg/L	0.03
2. Endrin	TCLP EPA Method 8081	<0.00000691	0.02
3. Heptachlor	TCLP EPA Method 8081	<0.00002269	0.008
4. Heptachlor Epoxide	TCLP EPA Method 8081	<0.0000121	0.008
5. Lindane (Gamma-BHC)	TCLP EPA Method 8081	<0.0000071	0.40
6. Methoxychlor	TCLP EPA Method 8081	<0.0000715	10.00
7. Toxaphene (Chlorocamphene)	TCLP EPA Method 8081	<0.00009	0.50
8. 2,4 - D.	TCLP EPA Method 8151	<0.00045	10.00
9. 2,4,5 – TP (Silvex)	TCLP EPA Method 8151	<0.000025 ↓	1.0
Polychlorinated Biphenyls			**COA Limit (µg/Kg)**
1. PCB 1016	EPA Method 8082	<3.0 ug/Kg	Non-Detect (ND)
2. PCB 1221	EPA Method 8082	<4.6	ND
3. PCB 1232	EPA Method 8082	<6.9	ND
4. PCB 1242	EPA Method 8082	<6.1	ND
5. PCB 1248	EPA Method 8082	<3.0	ND
6. PCB 1254	EPA Method 8082	<1.9	ND
7. PCB 1260	EPA Method 8082	<4.9 ↓	ND

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	09/26/05
Project ID:	714 Broadway, city of Schenectady	**Date Received:**	09/27/05
Customer Sample No.:	LANDFILLCHARACTERIZATION	**Lab Sample ID:**	T4905-01
Test:	TCLP ICP Metals	**SDG ID:**	T4905
Analytical Method:	EPA SW-846 6010 - ICP2	**% Moisture:**	100.00
Result Type:		**Datafile:**	0929FX

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	437	J	ug/L	7.2	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.3	50.0	1	
7440-47-3	Chromium	17.8	J	ug/L	3.4	100	1	
7439-92-1	Lead	59.1		ug/L	28.2	50.0	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	150	1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**09/26/05**
Project ID:	**714 Broadway, city of Schenectady**	**Date Received:**	**09/27/05**
Customer Sample No.:	**LANDFILLCHARACTERIZATION**	**Lab Sample ID:**	**T4905-01**
Test:	**TCLP Mercury**	**SDG ID:**	**T4905**
Analytical Method:	**EPA SW-846 7471 - HG**	**% Moisture:**	**100.00**
Result Type:		**Datafile:**	**0930FX**

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.330	2.0	1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	09/26/05
Project ID:	714 Broadway, city of Schenectady	**Date Received:**	09/27/05
Customer Sample No.:	LANDFILLCHARACTERIZATION	**Lab Sample ID:**	T4905-01
Test:	TCLP VOA	**SDG ID:**	T4905
Analytical Method:	EPA SW846 8260	**% Moisture:**	100.00
Result Type:		**Datafile:**	VH092810

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	ND	U	ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**09/26/05**
Project ID:	**714 Broadway, city of Schenectady**	**Date Received:**	**09/27/05**
Customer Sample No.:	**LANDFILLCHARACTERIZATION**	**Lab Sample ID:**	**T4905-01**
Test:	**TCLP BNA**	**SDG ID:**	**T4905**
Analytical Method:	**EPA SW-846 8270**	**% Moisture:**	**100.00**
Result Type:		**Datafile:**	**BA021277**

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	09/26/05
Project ID:	714 Broadway, city of Schenectady	**Date Received:**	09/27/05
Customer Sample No.:	LANDFILLCHARACTERIZATION	**Lab Sample ID:**	T4905-01
Test:	TCLP Pesticide	**SDG ID:**	T4905
Analytical Method:	EPA SW-846 8081	**% Moisture:**	100.00
Result Type:		**Datafile:**	5PS2143

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.007100	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.022690	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.012100	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.006910	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.007150	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.090000	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.191400	0.50	1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	09/26/05
Project ID:	714 Broadway, city of Schenectady	**Date Received:**	09/27/05
Customer Sample No.:	LANDFILLCHARACTERIZATION	**Lab Sample ID:**	T4905-01
Test:	TCLP Herbicide	**SDG ID:**	T4905
Analytical Method:	EPA SW-846 8151	**% Moisture:**	100.00
Result Type:		**Datafile:**	3PS4861

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	0.045	0.10	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	0.025	0.10	1	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**09/26/05**
Project ID:	**714 Broadway, city of Schenectady**	**Date Received:**	**09/27/05**
Customer Sample No.:	**LANDFILLCHARACTERIZATION**	**Lab Sample ID:**	**T4905-01**
Test:	**PCB**	**SDG ID:**	**T4905**
Analytical Method:	**EPA SW-846 8082**	**% Moisture:**	**15.00**
Result Type:		**Datafile:**	**4PC6405**

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.0	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.6	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	6.9	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	6.1	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.0	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	1.9	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.9	20	1	

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: T4905
9/30/2005 10:28:49 AM
End of Report

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. T4905

COC Number 053158

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates
ADDRESS: 50 Century Hill Dr.
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 786-7400 FAX: 786-7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway Schenectady, NY
PROJECT NO.: 05.5086 LOCATION: Schenectady
PROJECT MANAGER: Liz Rovers
e-mail: L.Rovers@ctmale.com
PHONE: 756-7400 FAX: 786-7299

CLIENT BILLING INFORMATION

BILL TO: C.T Male PO#:
ADDRESS: Same
CITY: — STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 72 hour DAYS *
HARD COPY: DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- [X] RESULTS ONLY
- [ ] RESULTS + QC
- [ ] New Jersey REDUCED
- [ ] New Jersey CLP
- [ ] EDD FORMAT
- [ ] USEPA CLP
- [ ] New York State ASP "B"
- [X] New York State ASP "A"
- [ ] Other

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOC	TCLP SVOC	TCLP Pesticides	TCLP Herbicides	TCLP Metals	Total PCB's			

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	Landfill Characterization	Soil	X		9/26/05	1550	3	E	E	E	E	E	E			
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Matt Thrun	9/26/05 1830	1. Fed ex 7066 5110 4713
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:20	RECEIVED FOR LAB BY:
3. FED-EX	9-27-05	3. J. Nelson

Conditions of bottles or coolers at receipt: [X] Compliant [ ] Non Compliant Cooler Temp. 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: [ ] HAND DELIVERED [X] OVERNIGHT
CHEMTECH: [ ] PICKED UP [ ] OVERNIGHT

Shipment Complete: [X] YES [ ] NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

H.3 Decontamination Water, and Well Development and Purge Water

Norlite Corporation

628 SO. SARATOGA ST.
P.O. BOX 694
COHOES, NY 12047
PHONE (518) 235-0401
FAX (518) 235-0233

January 19, 2006

RECEIVED
JAN 25 2006
BY:----------

MC Environmental Services
Attn: Mr. Mike Craft
526 Queensbury Avenue
Queensbury, NY 12804

Generator: City of Schenectady
Approval Date: 1/19/2006
Approval Waste Stream Number: ST# 0013-6N

Dear Mr. Craft:

Pursuant to Federal and State notification requirements found in 40 CFR Parts 262 and 264 and 6 NYCRR 372 and 373, this letter hereby certifies that Norlite Corporation, Cohoes, New York, currently maintains the appropriate permits and has the capacity to treat the following approved waste stream. Specifically, this certification is being provided for the waste stream with the approval number listed above.

Norlite Corporation assures that the above listed waste will be managed in accordance with the ultimate disposal method indicated on the Shipping Document for the above listed waste stream approval number.

A copy of the approved profile is enclosed with this letter.

Should you have any questions concerning this certification, please call me at (518) 235-0401 extension 4044.

Sincerely,

Charles T. Story
Vice President-Business Development
NORLITE CORPORATION

Encl.

Norlite Corporation

628 South Saratoga Street
Cohoes, New York 12047
Phone: (518) 235-0401 Fax: (518) 235-0233

A ROTARY KILN Norlite EXPANDED SHALE AGGREGATE

WASTE STREAM PROFILE No. 0013-6N

Approved for Acceptance: ☒ Yes ☐ No
Reviewed by: _____ Date _____
Approved by: Thomas Yan Trenton Date 1/19/06

PLEASE ATTACH: All Material Safety Data Sheets (MSDS), Analysis Reports, Handling Precautions, Additional Hazard Information, Support Data & Comments.

GENERATOR INFORMATION

Site Name: City of Schenectady
Address: 714 Broadway, Schenectady, NY 12305
Mailing Name: City Hall, Room 205
Address: 105 Jay Street, Schenectady, NY 12305
EPA I.D. #: N/A
Technical Contact: Bernard Sisson, P.E.
Phone #: 518-382-5082 Fax #: 518-382-1050
Shipping Contact: Mike Craft
Phone #: 518-615-0349 Fax #: 518-615-0355

Billing Name: MC Environmental Services, Inc.
Address: 526 Queensbury Avenue, Queensbury, NY 12804
Contact: Mike Craft
Phone #: 518-615-0349 Fax #: 518-615-0355
Transporter Name: (same as above)
Address: _____
EPA I.D. #: NYR 000021071
Contact: Mike Craft
Phone #: 518-615-0349 Fax #: 518-615-0355

WASTE DESCRIPTION

Generators Name For Waste: Gasoline & water mixture
Process Generating Waste: Subsurface Inv., Tank Closure & Soil Remediation

SHIPPING INFORMATION

DOT Shipping Name: Gasoline & water mixture
DOT Hazard Class: 3 Packing Group: II UN/NA No.: 1203
EPA Hazardous Waste Codes: N/A
Estimated Volume: +/- 50 Gal.
Container Type: ☐ Bulk ☒ Drum ☐ Roll-Off

CHEMICAL COMPOSITION - (Totals to 100%)

Water	99-100 %		%
Gasoline	0-1 %		%
	%		%
	%		%
	%		%
	%		%
	%		%
	%		%

PHYSICAL CHARACTERISTICS @ 70°F

Color: light/dark ☒ Liquid ☐ Single Phase
Odor: gas ☐ Semi-Liquid ☒ Bi-Layered
Specific Gravity: <1 ☐ Solid ☐ Multi-Layered
pH: 5-9 % Solids: 1 % Water: 99-100
Viscosity: ☒ Low ☐ Medium ☐ High

TOTAL METALS

Antimony (Sb)	0 ppm	Lead (Pb)	0 ppm
Arsenic (As)	0 ppm	Mercury (Hg)	0 ppm
Barium (Ba)	0 ppm	Nickel (Ni)	0 ppm
Beryllium (Be)	0 ppm	Selenium (Se)	0 ppm
Cadmium (Cd)	0 ppm	Silver (Ag)	0 ppm
Chromium (Cr)	0 ppm	Thallium (Tl)	0 ppm
Copper (Cu)	0 ppm	Zinc (Zn)	0 ppm

WASTE ANALYSIS

Heat of Combustion: 1000 Btu's/lb. Flash Point: >141 °F
Halogens: NA % Sulfur: NA % Ash: NA %
PCB's: NA ppm Corrosivity: NA mm/yr.

OTHER CHARACTERISTICS (Yes/No)

Reactive	No	Infectous	No	Explosive	No
Biological	No	Pyrophoric	No	Radioactive	No

List Acute Hazardous Wastes as defined in 40CFR 261.33(e) or 6NYCRR 371.4(d)(5). List any Hazardous Constituents as defined by 40CFR 261 Appendix VIII. Describe any special handling requirements associated with this waste system.

OTHER COMPONENTS

Herbicides	N/A ppm	Cyanide	N/A ppm
Pesticides	N/A ppm	Sulfide	N/A ppm
Dioxins	N/A ppm	PBB	N/A ppm

CERTIFICATION: I attest and certify that all information provided is complete and accurate. This low grade fuel is properly described with no willful omissions and that all known or suspected hazards have been disclosed and the low grade fuel is not a PCB waste that is defined in 40 CFR 761.3. Any changes or additional information obtained about this waste stream will be promptly conveyed to the Norlite Corporation.

Bernard Sisson, City Engineer — Print Name and Title
Signature
1/4/06 — Date

H.4 Miscellaneous Chemical Product Containers



CHEMTRON

Chemtron Corporation
35850 Schneider Court
Avon, Ohio 44011
440-937-6348

January 24, 2006

City Of Schenectady
714 Broadway
Schenectady, NY 12305
Attn: Bernard Sisson

Re: Chemtron Approval # Q20060110A28 Non-Haz Labpack
Q20060110A29 Flammable Labpack
Q20060110A30 Pesticides
Q20060110A31 Asbestos
Q20060110A32 Aerosols
Q20060110A33 Pesticides Aerosols
Q20060111A28 Grease

In compliance with 40 CFR 264.12(b) and OAC 3745-54-12(b), we are notifying you that we are authorized and have the capacity to store this waste. We will provide or assure that the ultimate disposal method is followed, for the particular hazardous waste on the manifest. If you have any questions regarding this please contact your representative at West Central Environmental.

Sincerely

Greg Ruffner
Customer Service Representative
Chemtron Corporation

CHEMTRON CORPORATION
35850 Schneider Court – Avon, OH 44011
Phone: (440) 937-6348
Fax: (440) 937-6845 or (440) 937-1038
24 Hr. ER: (440) 937-5950
EPA ID #: OHD066060609

Q

☐ TCLP (If available, please attach to profile)
☐ Generator's Knowledge
Sales Rep: _____

GENERATOR INFORMATION:

MAILING 105 JAY ST SCHENECTADY NY 12

Company Name: CITY OF SCHENECTADY
Contact Person & Title: CITY OF SCHENECTADY BERNARD SISSON, CITY ENGINEER
Address: 714 BROADWAY, SCHENECTADY NY - 12305
Phone: 518-382-5082 Fax: 518-382-1050
EPA ID#: EXEMPT 526 Email Address: _____

BILLING INFORMATION:

Company Name: West Central Environmental Corp. ☐ SAME AS ABOVE
Contact Person & Title: Joseph. D. Murphy, Vice President
Address: P.O. Box 83, Rensselaer, NY 12144
Phone: (518) 272-6891 Fax: (518) 272-0108
Email Address: jdmurphy@wcecorp.com

WASTE INFORMATION:

Generator's Common Name: LAB PACKS
EPA Hazardous Waste # (s): _____
DOT Shipping Description: _____
DOT Hazard Class: _____ P.G.: I II III UN/NA#: _____
Process Generating Waste: _____

Quantity: _____ Units: _____ Shipped Per: _____

Are there smaller containers inside larger containers WITHOUT absorbant ?(Loose Pack)? ☐Y ☒N
Are there smaller containers inside larger containers WITH absorbant ?(Lab Pack)? ☒Y ☐N

CHEMICAL COMPOSITION:

Please list **COMPLETE CHEMICAL COMPOSITION.**
In addition, please indicate whether each constituent listed is a Toxic Chemical as defined in the Toxic Chemical Release Inventory (Form R).

Form R		Constituents	Range
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		

LAB PACKS

Source Code: _____ Form Code: _____ System Code: _____

Does this waste meet the definition of a Hazardous Waste per 40 CFR 261?			
F Listed: ☐Y ☐N	K Listed: ☐Y ☐N	P Listed: ☐Y ☐N	U Listed: ☐Y ☐N

Physical state at 70 °F:
☐ Liquid
☐ Sludge
☐ Semisolid
☐ Solid Without Free Liquid
☐ Powder
☐ Monolithic Solid
☐ Liquid/Solid Mixture
% Free Liquid _____
% Settled Solids _____
% Total Suspended Solids _____
☐ Aerosol
☐ Other (describe)_____

Number of Phases/Layers
☐ 1 ☐ 2 ☐ 3 ☐ ≥ 4
% By Volume (Approx.)
Top____Middle____Bottom____

Odor
☐ None ☐ Mild
☐ Strong
Describe:_____

Color

pH
☐ ≤ 2
☐ 2.1 – 6.9
☐ 7 (Neutral)
☐ 7.1 – 12.4
☐ ≥12.5
☐ N/A (Organic)
☐ Other/Exact _____

Flash Point (°F)
☐ ≤ 140
☐ 140.1 – 200
☐ > 200
EXACT: _____

Specific Gravity
☐ ≤ 0.8 (e.g. Gasoline)
☐ 0.8 – 1.0 (e.g. Ethanol)
☐ 1.0 (e.g. Water)
☐ 1.0 – 1.2 (e.g. Antifreeze)
☐ ≥ 1.2 (e.g. Methylene Chloride)
☐ N/A (Solid)

BTU / lb
☐ < 2000
☐ 2000 - 5000
☐ 5000 - 10000
☐ > 10000

Other Characteristics

Explosive	Shock Sensitive	Water Reactive	Pyrophoric
☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N

Halogens as Chlorine _____ ☐% ☐ppm	Fluorine _____ ☐% ☐ppm	Sulfur _____ ☐% ☐ppm
Isocyanates _____ ☐% ☐ppm	Cyanide _____ ☐% ☐ppm	Sulfide _____ ☐% ☐ppm

EPA HW#	Contaminant	Reg. Level			
D001	Ignitable	< 140 F; Oxidizer			☐Y ☐N
D002	Corrosive	pH≤2			☐Y ☐N
D002	Corrosive	pH≥12.5			☐Y ☐N
D003	Reactive (see "D003- RCRA REACTIVITY" note @ bottom of this sheet)				
	METAL CHARACTERISTICS:	**Reg. Level mg/kg**	**<**	**≥**	**Concentration**
D004	Arsenic	5.0	☐	☐	
D005	Barium	100.0	☐	☐	
D006	Cadmium	1.0	☐	☐	
D007	Chromium	5.0	☐	☐	
D008	Lead	5.0	☐	☐	
D009	Mercury	0.2	☐	☐	
D010	Selenium	1.0	☐	☐	
D011	Silver	5.0	☐	☐	
	ORGANIC CHARACTERISTICS:				
D012	Endrin	0.02	☐	☐	
D013	Lindane	0.4	☐	☐	
D014	Methoxychlor	10.0	☐	☐	
D015	Toxaphene	0.5	☐	☐	
D016	2,4-Dichlorophenoxyacetic Acid	10.0	☐	☐	
D017	2, 4, 5-TP-(Silvex)	1.0	☐	☐	
D018	Benzene	0.5	☐	☐	
D019	Carbon Tetrachloride	0.5	☐	☐	
D020	Chlordane	0.03	☐	☐	
D021	Chlorobenzene	100.0	☐	☐	
D022	Chloroform	6.0	☐	☐	
D023	o-Cresol	200.0	☐	☐	
D024	m-Cresol	200.0	☐	☐	
D025	p-Cresol	200.0	☐	☐	
D026	Cresol	200.0	☐	☐	
D027	1, 4-Dichlorobenzene	7.5	☐	☐	
D028	1, 2-Dichloroethane	0.5	☐	☐	
D029	1, 1-Dichloroethylene	0.7	☐	☐	
D030	2, 4-Dinitrotoluene	0.13	☐	☐	
D031	Heptachlor	0.008	☐	☐	
D032	Hexachlorobenzene	0.13	☐	☐	
D033	Hexachlorobutadiene	0.5	☐	☐	
D034	Hexachloroethane	3.0	☐	☐	
D035	Methyl Ethyl Ketone	200.0	☐	☐	
D036	Nitrobenzene	2.0	☐	☐	
D037	Pentachlorophenol	100.0	☐	☐	
D038	Pyridine	5.0	☐	☐	
D039	Tetrachloroethylene	0.7	☐	☐	
D040	Trichloroethylene	0.5	☐	☐	
D041	2, 4, 5-Trichlorophenol	400.0	☐	☐	
D042	2, 4, 6-Trichlorophenol	2.0	☐	☐	
D043	Vinyl Chloride	0.2	☐	☐	
	Beryllium				
	Aluminum (metallic)				
	Magnesium (metallic)				

CHEMTRON USE ONLY

Approval Notes: _____

Account Number: _____
Price Code: _____

Approval Code: Liquid: _____
Sludge: _____
Solid: _____

Pricing: _____

Profile Notes: _____

DOES THE WASTE CONTAIN ANY OF THE FOLLOWING: Halogenated Aromatics (PCB, PBB); Aromatic Amines; Urea; Thiorea, Cyclic Nitrogen (e.g. Pyridine, Quinones, Phosphorus Compounds, Polycyclic Organics; Asbestos; Radioactive Material); Biological Materials; Infectious Agents; Phenols: ☐ YES ☒ NO **(If yes, attach detailed explanation.)**

D003 - RCRA REACTIVITY: Does the waste meet the definition/characteristics of a D003-RCRA reactive waste, as defined in 40 CFR 261.23 (Ohio Administrative Code 3745-51-23)? ☐ YES ☒ NO **(If yes, attach detailed explanation)**

IF THE WASTE CONTAINS USED OIL: Has the used oil been mixed with halogenated hazardous waste listed in 40 CFR 261.30 through 261.35 (Ohio Administrative Code 3745-51-30 through 3745-51-35)? ☐ YES ☒ NO **(If yes, attach detailed explanation)**

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based upon my inquiry of those immediately responsible for this information, I believe the submitted information is true, accurate and complete to the best of my knowledge and that all known and suspected hazards have been disclosed in accordance with 40CFR 261.

Signature

CITY ENGINEER
Title

1/4/06
Date

Rev. 9/2003

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: USDOT NON REGULATED

MANIFEST # _____ HAZARD CLASS _____ UN/NA # _____

MANIFEST LINE # _____ PACKING GROUP _____ ERG # _____

STREAM # _____ PRIMARY LABELS _____

CONTAINER # 714B-7 SUBSIDIARY LABELS _____

CONTAINER SIZE 55

CONTAINER TYPE DRUM

Q20060110A28

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	WASTE OIL (SPECTRA CAN)	L	1	5 gal	None
	AIRVEST SEALER (LATEX)	L	1	5 gal	None
	LAWN FOOD (PKN)	S	2	30 lb	none
	LATEX PAINT	L	1	1 gal	None
	Carpet Protector (contains EDTA)	L	1	2 QT	None
	Rug Cleaner (Surfactants)	L	1	Pt	None
	Gear Oil	L	1	QT	None
	Kicked Paint	~~S~~ L	1	~~Qt~~ Pt	none
	Paste Flux (~~Extract~~ Borax)	S	2	4 lb	none
	Pipe Joint ~~Compound~~ (Kicked)	S	3	1 lb	None
	Compound	~~NA~~ S	~~GA~~ 2		
	Elmer's Glazing Compound	S	8 oz	2	None
	CHILL GOLD PACK	S	1 pt	2	none
	DIAZANON WEED CONTROL	S	10 lb	1	None

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: RQ WASTE FLAMMABLE LIQUID NOS

MANIFEST # _____ HAZARD CLASS 3 UN/NA # 1993

MANIFEST LINE # _____ PACKING GROUP II ERG # 128

STREAM # _____ PRIMARY LABELS 3

CONTAINER # 714B-2 SUBSIDIARY LABELS _____

CONTAINER SIZE 30 gal

CONTAINER TYPE 1A2

Q20060110A29

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	OILBASED PAINT	L	5	1gal	D001 D035
	Paint Thinner (Petro Distillates)	L	1	1gal	D001
	Linseed oil	L	1	1gal	D001
	Deck Urethane	L	1	PT	D001
	Semi Gloss enamel Black	L	1	PT	D001
	Sandban Surface Prep (Petro Distillate)	L	1	PT	D001
	Silicone Sealer (Contains Mineral Spirits)	L	1	PT	D001
	Thinner/Cleaner (Petro Dist)	L	1	QT	D001
	Silicone sealers	L	2	4oz	D001
	Varnish Stain	L	1	1/2PT	D001
	Windshield sealer (Klean)	L	1	1/2PT	NONE
	Quick dry Enamel	L	1	1/2PT	~~NONE~~ D001
	Supergloss ENAMEL	L	1	~~1/2~~PT	~~NONE~~ D001
	Epoxy Adhesive	L	1	PT	D001

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 Broadway SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: Waste Pesticides, solid, toxic, NOS

MANIFEST # _____ HAZARD CLASS 6.1 UN/NA # 2588

MANIFEST LINE # _____ PACKING GROUP II ERG # 151

STREAM # _____ PRIMARY LABELS 6.1

CONTAINER # 714B-3 SUBSIDIARY LABELS _____

CONTAINER SIZE 5GAL Q20060110A30

CONTAINER TYPE 1H2

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	WHITE LEAD COMPOUND	S	1	5lb	~~D008~~
	DECON (WINTERGREEN)	S	2	2lb	U248 D008
	Preen (dipropyl-d-tolidine)	S	1	2lb	None
	Ortho Rose Flower (Dichlorophosphoramidothioate)	S	1	5lb	None

PACKING LIST

DATE: 12/22/05 PAGE ____ of ____

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: ASBESTOS

MANIFEST # _____ HAZARD CLASS 9 UN/NA # 2212

MANIFEST LINE # _____ PACKING GROUP III ERG # 171

STREAM # _____ PRIMARY LABELS 9

CONTAINER # 714B-4 SUBSIDIARY LABELS ASBESTOS

CONTAINER SIZE 5 gal

CONTAINER TYPE 1H2

Q20060110A31

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	ASBESTOS CEMENT	S/S	1	5lb	None

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 Broadway SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: WASTE AEROSOLS, FLAMMABLE NOS

MANIFEST # _____ HAZARD CLASS 2.1 UN/NA # 1950

MANIFEST LINE # _____ PACKING GROUP _____ ERG # 126

STREAM # _____ PRIMARY LABELS 2.1

CONTAINER # ~~Pail~~ 7143-5 SUBSIDIARY LABELS _____

CONTAINER SIZE 5.4

CONTAINER TYPE HZ

Q20060110A32

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	Spray Paint (MATIC)	A	1	13 oz	D001
	Spray Paint (Pressurized Finish)	A	1	10 oz	D001

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: AEROSOLS, POISON NOS

MANIFEST # _____ HAZARD CLASS 2.2 UN/NA # 1950

MANIFEST LINE # _____ PACKING GROUP NA ERG # 126

STREAM # _____ PRIMARY LABELS 2.2

CONTAINER # 714 B-6 SUBSIDIARY LABELS _____

CONTAINER SIZE 5 GAL Q20060110A33

CONTAINER TYPE HDPE

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	OFF BUG SPRAY (TOLUAMIDE)	A	1	12 OZ	NONE

CHEMTRON CORPORATION
35850 Schneider Court – Avon, OH 44011
Phone: (440) 937-6348
Fax: (440) 937-6845 or (440) 937-1038
24 Hr. ER: (440) 937-5950
EPA ID #: OHD066060609

Q 20060111A28

☐ TCLP (If available, please attach to profile)
☐ Generator's Knowledge
Sales Rep: _____

GENERATOR INFORMATION:
Company Name: CITY OF SCHENECTADY
Contact Person & Title: BERNARD SISSON, CITY ENGINEER
Address: 714 BROADWAY, SCHENECTADY NY 12305
Phone: 518-382-5082 Fax: 518-382-1050
EPA ID#: EXEMPT SQG Email Address:

BILLING INFORMATION:
Company Name: WEST CENTRAL ENVIRONMENTAL CORP ☐ SAME AS ABOVE
Contact Person & Title: PHIL DONATO, OPERATIONS
Address: P.O. BOX 87, RENSSELAER NY 12144
Phone: (518) 272-6897 Fax: (518) 272-0108
Email Address:

WASTE INFORMATION:
Generator's Common Name: Grease
EPA Hazardous Waste # (s): None
DOT Shipping Description: NONE
DOT Hazard Class: — P.G.: I II III UN/NA#:
Process Generating Waste: UNWANTED/OUTDATED

Quantity: 1 Units: DM Shipped Per: ONCE

Are there smaller containers inside larger containers WITHOUT absorbant ?(Loose Pack)? ☐Y ☒N
Are there smaller containers inside larger containers WITH absorbant ?(Lab Pack)? ☐Y ☒N

CHEMICAL COMPOSITION:
Please list **COMPLETE CHEMICAL COMPOSITION.**
In addition, please indicate whether each constituent listed is a Toxic Chemical as defined in the Toxic Chemical Release Inventory (Form R).

Form R		Constituents	Range
☐Y	☒N	Grease	100 %
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		

Source Code:_____ Form Code:_____ System Code:_____

Does this waste meet the definition of a Hazardous Waste per 40 CFR 261?

F Listed: ☐Y ☒N	K Listed: ☐Y ☒N	P Listed: ☐Y ☒N	U Listed: ☐Y ☒N

Physical state at 70 °F:
- ☐ Liquid
- ☐ Sludge
- ☑ Semisolid
- ☐ Solid Without Free Liquid
- ☐ Powder
- ☐ Monolithic Solid
- ☐ Liquid/Solid Mixture
- % Free Liquid _____
- % Settled Solids _____
- % Total Suspended Solids _____
- ☐ Aerosol
- ☐ Other (describe)_____

Number of Phases/Layers
☐ 1 ☐ 2 ☐ 3 ☐ ≥ 4
% By Volume (Approx.)
Top____ Middle____ Bottom____

Odor
☐ None ☑ Mild ☐ Strong
Describe: Ghoose

Color
Brown

pH
- ☐ ≤ 2
- ☐ 2.1 – 6.9
- ☐ 7 (Neutral)
- ☐ 7.1 – 12.4
- ☐ ≥12.5
- ☑ N/A (Organic)
- ☐ Other/Exact _____

Flash Point (°F)
- ☐ ≤ 140
- ☐ 140.1 – 200
- ☑ > 200
- EXACT: _____

Specific Gravity
- ☐ ≤ 0.8 (e.g. Gasoline)
- ☐ 0.8 – 1.0 (e.g. Ethanol)
- ☐ 1.0 (e.g. Water)
- ☐ 1.0 – 1.2 (e.g. Antifreeze)
- ☑ ≥ 1.2 (e.g. Methylene Chloride)
- ☐ N/A (Solid)

BTU / lb
- ☐ < 2000
- ☐ 2000 - 5000
- ☑ 5000 - 10000
- ☐ > 10000

Other Characteristics

Explosive	Shock Sensitive	Water Reactive	Pyrophoric
☐ Y ☑ N	☐ Y ☑ N	☐ Y ☑ N	☐ Y ☑ N

Halogens as Chlorine 0	☐% ☑ppm	Fluorine 0	☐% ☑ppm	Sulfur 0	☐% ☐ppm
Isocyanates 0	☐% ☐ppm	Cyanide 0	☐% ☐ppm	Sulfide 0	☐% ☑ppm

EPA HW#	Contaminant	Reg. Level	
D001	Ignitable	< 140 F; Oxidizer	☐Y ☑N
D002	Corrosive	pH≤2	☐Y ☑N
D002	Corrosive	pH≥12.5	☐Y ☑N
D003	Reactive (see "D003- RCRA REACTIVITY" note @ bottom of this sheet)		

METAL CHARACTERISTICS:		Reg. Level mg/kg	<	≥	Concentration
D004	Arsenic	5.0	☐	☐	
D005	Barium	100.0	☐	☐	
D006	Cadmium	1.0	☐	☐	
D007	Chromium	5.0	☐	☐	
D008	Lead	5.0	☐	☐	
D009	Mercury	0.2-259	<0.2 ☐	≥260 ☐	
D010	Selenium	1.0	☐	☐	
D011	Silver	5.0	☐	☐	

ORGANIC CHARACTERISTICS:					
D012	Endrin	0.02	☐	☐	
D013	Lindane	0.4	☐	☐	
D014	Methoxychlor	10.0	☐	☐	
D015	Toxaphene	0.5	☐	☐	
D016	2,4-Dichlorophenoxyacetic Acid	10.0	☐	☐	
D017	2, 4, 5-TP-(Silvex)	1.0	☐	☐	
D018	Benzene	0.5	☐	☐	
D019	Carbon Tetrachloride	0.5	☐	☐	
D020	Chlordane	0.03	☐	☐	
D021	Chlorobenzene	100.0	☐	☐	
D022	Chloroform	6.0	☐	☐	
D023	o-Cresol	200.0	☐	☐	
D024	m-Cresol	200.0	☐	☐	
D025	p-Cresol	200.0	☐	☐	
D026	Cresol	200.0	☐	☐	
D027	1, 4-Dichlorobenzene	7.5	☐	☐	
D028	1, 2-Dichloroethane	0.5	☐	☐	
D029	1, 1-Dichloroethylene	0.7	☐	☐	
D030	2, 4-Dinitrotoluene	0.13	☐	☐	
D031	Heptachlor	0.008	☐	☐	
D032	Hexachlorobenzene	0.13	☐	☐	
D033	Hexachlorobutadiene	0.5	☐	☐	
D034	Hexachloroethane	3.0	☐	☐	
D035	Methyl Ethyl Ketone	200.0	☐	☐	
D036	Nitrobenzene	2.0	☐	☐	
D037	Pentachlorophenol	100.0	☐	☐	
D038	Pyridine	5.0	☐	☐	
D039	Tetrachloroethylene	0.7	☐	☐	
D040	Trichloroethylene	0.5	☐	☐	
D041	2, 4, 5-Trichlorophenol	400.0	☐	☐	
D042	2, 4, 6-Trichlorophenol	2.0	☐	☐	
D043	Vinyl Chloride	0.2	☐	☐	
Beryllium					
Aluminum (metallic)					
Magnesium (metallic)					

CHEMTRON USE ONLY

Approval Notes:_____

Account Number:_____
Price Code:_____

Approval Code: **Liquid:**_____
Sludge:_____
Solid:_____

Pricing:_____

Profile Notes:_____

DOES THE WASTE CONTAIN ANY OF THE FOLLOWING: Halogenated Aromatics (PCB, PBB); Aromatic Amines; Urea; Thiorea, Cyclic Nitrogen (e.g. Pyridine, Quinones, Phosphorus Compounds, Polycyclic Organics; Asbestos, Radioactive Material); Biological Materials; Infectious Agents; Phenols: ☐ YES ☑ NO **(If yes, attach detailed explanation.)**

D003 - RCRA REACTIVITY: Does the waste meet the definition/characteristics of a D003 RCRA reactive waste, as defined in 40 CFR 261.23 (Ohio Administrative Code 3745-51-23)? ☐ YES ☑ NO **(If yes, attach detailed explanation)**

IF THE WASTE CONTAINS USED OIL: Has the used oil been mixed with halogenated hazardous waste listed in 40 CFR 261.30 through 261.35 (Ohio Administrative Code 3745-51-30 through 3745-51-35)? ☐ YES ☑ NO **(If yes, attach detailed explanation)**

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based upon my inquiry of those immediately responsible for this information, I believe the submitted information is true, accurate and complete to the best of my knowledge and that all known and suspected hazards have been disclosed in accordance with 40CFR 261.

Signature	Title	Date
	CITY ENGINEER	1/4/06

Rev. 9/2003

H.5 Manhole Sump Wastes

Norlite Corporation

628 SO. SARATOGA ST.
P.O. BOX 694
COHOES, NY 12047
PHONE (518) 235-0401
FAX (518) 235-0233

April 12, 2006

RECEIVED
APR 24 2006
BY:----------

MC Environmental Services
Attn: Mr. Mike Craft
526 Queensbury Avenue
Queensbury, NY 12804

Generator: City of Schenectady
Approval Date: 4/11/2006
Approval Waste Stream Number: ST# 0075-6N

Dear Mr. Craft:

Pursuant to Federal and State notification requirements found in 40 CFR Parts 262 and 264 and 6 NYCRR 372 and 373, this letter hereby certifies that Norlite Corporation, Cohoes, New York, currently maintains the appropriate permits and has the capacity to treat the following approved waste stream. Specifically, this certification is being provided for the waste stream with the approval number listed above.

Norlite Corporation assures that the above listed waste will be managed in accordance with the ultimate disposal method indicated on the Shipping Document for the above listed waste stream approval number.

A copy of the approved profile is enclosed with this letter.

Should you have any questions concerning this certification, please call me at (518) 235-0401 extension 4049.

Sincerely,

Prince M. Knight III
Laboratory Manager

Encl.

UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY, INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745
FAX (203) 238-6772

"An Equal Opportunity Employer"

April 12, 2006

MIKE CRAFT
MC ENVIRONMENTAL SERVICES INC
526 QUEENSBURY AVE
QUEENSBURY, NY 12804-7612

Dear: MIKE CRAFT

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
00756HLMLHN2	CITY OF SCHENECTADY - OIL/WATER/SED

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0887, to schedule or if you have any questions or changes regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

UOR USE ONLY	
New	Update
Profile #	
Sample Arrival Date	

WASTE STREAM PROFILE SHEET

GENERATOR

Site Name	City of Schenectady
Address	714 Broadway
	Schenectady NY 12305
Mailing Name	City Hall Room 205
Address	105 Jay Street
	Schenectady NY 12305
Technical Contact	Bernard Sisson, P.E.
Phone #	(518) 382-5082
Shipping Contact	Mike CRAFT
Phone #	(518) 615-0349
EPA ID #	N/A

BROKER / SALESPERSON

Name	MC Environmental Serv. Inc Ref #
Address	526 Queensbury Ave
	Queensbury NY 12804
Contact	Mike CRAFT Phone # (518) 615-0349

TRANSPORTER

Name	MC Environmental Services, Inc.
Address	526 Queensbury Ave
	Queensbury NY. 12804
Contact	Mike CRAFT Phone # (518) 615-0349
EPA ID #	NYR000021071

WASTE DESCRIPTION

Chemical & Physical State: ☐ Liquid ☑ Multilayered ☐ Semi-Liquid ☐ Bilayered ☐ Solids ☐ Single Phase

pH: ☐ 2-4 ☐ 8-10 ☐ 4-6 ☐ 10-12 ☑ 6-8 ☐ >12

Odor: oily Flash Point: >200 °F % Oil: 0-5 % Bottom Sediment: 40

TSS: 20% Heat Value (BTU/lb): 1000 % Interface: N/A Specific Gravity: >1

Color: DARK % Water: 50

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Cleaning of Sump in Auto Shop

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	N/A	∅
Halogens	Some	
Solvents	N/A	
Arsenic (As)	N/A	
Cadmium (Cd)	N/A	
Chromium (Cr)	Some	
Lead (Pb)	Some	

Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)
Copper (Cu)	N/A	∅
Cadmium (Cd)	Some	
Chromium (Cr)	Some	
Lead (Pb)	N/A	
Nickel (Ni)		
Silver (Ag)		
Zinc (Zn)		

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	N/A	∅
Mercury (Hg)	?	
Cyanide (CN⁻)		
Iron (Fe)	Some	
pH	6-9	
Phenols	N/A	

This waste is:
☐ RCRA Listed
☑ State Regulated
☐ Non-Regulated
☐ Virgin Material

RCRA Number(s)

State Number

Notes & special handling information
0-1% PPE ALSO PRESENT

Please list Specific Solvents:

SHIPPING INFORMATION

DOT Hazard Class / Packing Group: Connecticut Regulated Waste ☐ DOT Regulated ☐ Non-Regulated

DOT Shipping Name: None None

UN/NA Number: N/A

Amount of Waste / Shipment (gals.): 1 drum

Additional Description: OIL CONTAMINATED WATER & SEDIMENT

Frequency of Shipment: once

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature _____ Title City Engineer Date 3/10/06

FACILITY USE ONLY	
Rec'd on	Rec'd By
Sample Container	
Approved By	
Comments	
M	B

P. 001
TEL:203 238 6772
JUN. -15' 98 (MON) 14:40 UNITED INDUSTRIAL

JUN.-15'98(MON) 14:40 UNITED INDUSTRIAL TEL:203 238 6772 P.001 002/005

MCE100

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

approval 6075-6N
Thomas Hartleather 4/11/06

FOR USE ONLY
New Update
Profile # 06756HCMLHN2
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR

Site Name: City of Schenectady
Address: 714 Broadway
Schenectady NY 12305
Mailing Name: City Hall Room 209
Address: 105 Jay Street
Schenectady NY 12305
Technical Contact: Bernard Sisson, P.E.
Phone #: (518) 382-5082
Shipping Contact: Mike CRAFT
Phone #: (518) 615-0349
EPA ID #: N/A

BROKER / SALESPERSON

Name: MC Environmental Services, Inc. Ref #
Address: 526 Queensbury Ave
Queensbury NY 12804
Contact: Mike CRAFT Phone #: (518) 615-0349

CHANGE SHOWN

TRANSPORTER

Name: MC Environmental Services, Inc.
Address: 526 Queensbury Ave
Queensbury NY. 12804
Contact: Mike CRAFT Phone #: (518) 615-0349
EPA ID #: NYR000021071

WASTE DESCRIPTION

Chemical & Physical State: (Liquid) Multilayered ☐ 2-4 ☐ 8-10 ☐ Semi-Liquid ☐ Bilayered ☐ 4-6 ☐ 10-12 ☐ Solids ☐ Single Phase (6-8) ☐ >12

pH

Odor: oily Flash Point: >200 °F % Oil: 0-5 % Bottom Sediment: 40
TSS: 20% Heat Value (BTU/lb): 5,000 % Interface: N/A Specific Gravity: 1.002
Color: DARK % Water: 50

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Cleaning of Sump in Auto Shop

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	N/A	ND <2
Halogens	Some	ND <0.05
Solvents	N/A	NA
Arsenic (As)	N/A	ND
Cadmium (Cd)	N/A	ND
Chromium (Cr)	Some	/
Lead (Pb)	Some	/

Please list Specific Solvents:

Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)
Copper (Cu)	N/A	3.00
Cadmium (Cd)	Some	ND
Chromium (Cr)	Some	/
Lead (Pb)	N/A	/
Nickel (Ni)	/	/
Silver (Ag)	/	/
Zinc (Zn)	/	4.78

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	N/A	ND
Mercury (Hg)	/	/
Cyanide (CN⁻)	/	/
Iron (Fe)	Some	/
pH	6-9	/
Phenols	N/A	/
Barium (BA)		4.24

This waste is: (NW)
☐ RCRA Listed ☐ State Regulated ☐ Non-Regulated ☐ Virgin Material

RCRA Number(s):

State Number: CR02

Notes & special handling information:
0-1% PPE ALSO PRESENT

SHIPPING INFORMATION

DOT Hazard Class / Packing Group: Connecticut Regulated Waste ☐ DOT Regulated ☐ Non-Regulated
DOT Shipping Name: (NW) UNINA Number: NONE
None None
Additional Description: OIL CONTAMINATED WATER & SEDIMENT Amount of Waste / Shipment (gals.): 1 drum
Frequency of Shipment: once

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approvals obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature [signature] Title City Engineer Date 3/10/06

FACILITY USE ONLY

Rec'd on 4/10/06 C Rec'd By (TV)
Sample Container 1450
Approved By
Comments
M B

NORLITE ANALYTICAL LABORATORY REPORT

LAB/PROFILE NUMBER:	0075-6N	DATE/TIME RECEIVED:	4/10/06 14:30
GENERATOR NAME:	CITY OF SCHENECTADY	DATE SAMPLED:	03/10/06
GENERATOR SAMPLE ID:	SUMP IN AUTO SHOP	MATRIX:	LIQUID
COMMENTS:	SAMPLE RECEIVED INTACT		

PHYSICAL PARAMETERS

	RESULTS	UNITS	DATE ANALYZED
SPECIFIC GRAVITY (GRAVIMETRIC)	1.002	g/ml	04/11/06
BTU'S (ASTMD 240-87)	ND < 100	BTU/lb	04/11/06
HALOGENS (EPA METHOD 5050/9253)	ND < 0.05	%	04/11/06
FLASH POINT (EPA METHOD 1010)	> 200	° F	04/11/06

TOTAL METALS

ICP METALS DIGESTION/ANALYSIS EPA METHOD 3050B/6010B
MERCURY DIGESTION/ANALYSIS EPA METHOD 7471A

ANALYTE	RESULTS	PQL	UNITS	DATE ANALYZED
SULFUR	95.60	0.75	mg/Kg	04/10/06
ARSENIC	ND < 0.05	0.05	mg/Kg	04/10/06
BERYLLIUM	ND < 0.01	0.01	mg/Kg	04/10/06
CADMIUM	ND < 0.01	0.01	mg/Kg	04/10/06
CHROMIUM	ND < 0.05	0.05	mg/Kg	04/10/06
COPPER	3.00	0.02	mg/Kg	04/10/06
LEAD	ND < 0.02	0.02	mg/Kg	04/10/06
BARIUM	4.24	0.02	mg/Kg	04/10/06
MERCURY	ND < 0.10	0.10	mg/Kg	04/10/06
NICKEL	ND < 0.02	0.02	mg/Kg	04/10/06
ANTIMONY	ND < 0.02	0.02	mg/Kg	04/10/06
SELENIUM	ND < 0.04	0.04	mg/Kg	04/10/06
SILVER	ND , 0.02	0.02	mg/Kg	04/10/06
THALLIUM	ND < 0.04	0.04	mg/Kg	04/10/06
ZINC	4.78	0.15	mg/Kg	04/10/06

PCB EXTRACTION/ANALYSIS EPA METHOD 8082

ANALYTE	RESULTS	PQL	UNITS	DATE ANALYZED
PCB	ND < 2.0	2.0	mg/Kg	04/10/06

NORLITE ANALYTICAL LABORATORY REPORT

LAB/PROFILE NUMBER:	0075-6N	DATE/TIME RECEIVED:	4/10/06 14:30
GENERATOR NAME:	CITY OF SCHENECTADY	DATE SAMPLED:	03/10/06
GENERATOR SAMPLE ID:	SUMP IN AUTO SHOP	MATRIX:	LIQUID
COMMENTS:	SAMPLE RECEIVED INTACT		

LABORATORY APPROVAL FOR RELEASE OF DATA:

DATE OF DATA RELEASE: 4/12/06

DISCLAIMER: Please note that this report is provided for summary and internal purposes only and does not follow NYS ELAP/NELAP guidelines for final reporting requirements. The above release signature is present to ensure completeness. The results may be subject to QA/QC review with any appropriate qualifiers, case narratives or corrective actions as required by NYS ELAP and NELAP regulations. Please contact the laboratory if a certified report is required.

APPENDIX I

WASTE TRANSPORTER AND DISPOSAL FACILITY PERMITS

I.1 Transporter Permits
I.2 Disposal Facility Operating Permits

I.1 Transporter Permits

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 5A-175

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

M C ENVIRONMENTAL SERVICES, INC.
22 HUDSON FALLS ROAD
SOUTH GLENS FALLS, NY 12803

CONTACT NAME: MICHAEL G. CRAFT
COUNTY: SARATOGA
TELEPHONE NO: (518)747-3050

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 05/01/2005
EXPIRATION DATE: **04/30/2006**
US EPA ID NUMBER: NYR000021071

AUTHORIZED WASTE TYPES:
The Permittee is Authorized to Transport the Following Waste Type(s):

Non-Hazardous Industrial/Commercial

Petroleum Contaminated Soil

Hazardous Industrial/Commercial

Waste Oil

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:
(Vehicles enclosed in <>'s are authorized to haul septage only)

9 PERMITTED VEHICLE(S)

NY 12193PA
NY 12194PA
NY 17959PA
NY 17961PA
NY 27152AC
NY 27154AC
NY 77225JT
NY AD82649
NY AK32872
End of List

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: _____ Date: 3 / 29 / 05

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 4A-106

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

WEST CENTRAL ENVIRONMENTAL CORPORATION
P.O. BOX 83
RENSSELAER, NY 12144

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: JOSEPH D. MURPHY
COUNTY: ALBANY
TELEPHONE NO: (518)272-6891

EFFECTIVE DATE: 06/01/2005
EXPIRATION DATE: **05/31/2006**
US EPA ID NUMBER: NYD000708271

AUTHORIZED WASTE TYPES:
The Permittee is Authorized to Transport the Following Waste Type(s):

Non-Hazardous Industrial/Commercial	Grease Trap Waste	Waste Oil
Waste Tires	Non-Residential Raw Sewage or Sewage-Contaminated Wastes	
Asbestos		
Petroleum Contaminated Soil	Sludge from Sewage or Water Supply Treatment Plant	
	Hazardous Industrial/Commercial	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:
(Vehicles enclosed in <>'s are authorized to haul septage only)

39 PERMITTED VEHICLE(S)

NY 25999PA	NY AD14163	NY AE31833	NY AK51431
NY 63313AW	NY AD99494	NY AE31836	NY AM47659
NY 69691PA	NY AE31823	NY AE31838	NY AM47660
NY 91295JR	NY AE31825	NY AE31839	NY AM47661
NY AD13960	NY AE31826	NY AE31840	NY CY9155
NY AD13973	NY AE31828	NY AE31843	NY DP6502
NY AD13990	NY AE31829	NY AK50864	NY EC2061
NY AD14003	NY AE31830	NY AK50865	NY NZ7757
NY AD14085	NY AE31831	NY AK50866	NY NZ7765
NY AD14123	NY AE31832	NY AK51430	End of List

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: _____ Date: 4/6/05

WEST CENTRAL ENVIRONMENTAL CORP.
TRANSPORTER PERMIT LIST

State/Province	Issuing Agency	Permit Number	Expiration Date
Alabama	AL DEM	NYD000708271	02/27/2007
Arizona	A.D.E.Q.	NYD000708271	03/01/2006
Arkansas	State Highway Police	H408	10/12/2005
California	Dept. of Toxic Substance Control	4028	06/30/2006
Colorado	PUC of Colorado	HMP-03745	03/03/2006
Connecticut	CT DEP	CTHW-159	06/30/2007
Delaware	DE DNR	DE-SW-582	09/30/2006
Delaware	DE DNR	DE-HW-366	09/30/2009
Florida	D.E.P.	NYD000708271	03/22/2006
Georgia	GA EPA	NYD000708271	N/A
Illinois	IL EPA (UNIFORM PROG)	UPW0199529OH	10/01/2005
Indiana	IN DEM	NYD000708271	N/A
Iowa	IOWA DNR	NYD000708271	N/A
Kansas	KS DHE	NYD000708271	12/31/2005
Kentucky	KY DEP	NYD000708271	N/A
Maine	ME DEP	HWT-376	05/19/2006
Maine	ME DEP	00465	03/31/2006
Massachusetts	MA DEP	403	12/31/2008
Michigan	MI DEQ (UNIFORM PROG)	UPW0199529OH	10/01/2005
Michigan	MI DNR	LIW0199527MI	09/30/2005
Minnesota	MN DOT (UNIFORM PROG)	UPW0199529OH	10/01/2005
Mississippi	MS EPA	NYD000708271	N/A
Missouri	MO DNR	H-1913	11/29/2005
Nevada	NV Highway Patrol (UNIFORM PROG)	UPW0199529OH	10/01/2005
New Hampshire	NH DES	TNH-0068	06/30/2006
New Jersey	NJ DEP	07287	06/30/2006
New Jersey	NJ DEP	19234	06/30/2007
New Mexico	NM TRD	NYD000708271	N/A
New York	NYS DEC	4A-106	05/31/2006
North Carolina	Dep. Of Human Resource	NYD000708271	N/A
Ohio	OH PUCO (UNIFORM PROG)	UPW0199529OH	10/01/2005
Oklahoma	OK PUCO (UNIFORM PROG)	UPW0199529OH	10/01/2005
Ontario	Environment Canada	A821231	N/A
Pennsylvania	PA DEP	PA-AH-0422	10/31/2006
Pennsylvania	PA DEP	WH2686	*Interim Status*
Quebec	Environment Canada	7610-06-01-0161310400074567	03/31/2008
South Carolina	SC DOH	NYD000708271	10/31/2006
Tennessee	TN Dept. of Env. & Conservation	NYD000708271	01/31/2006
Texas	TX Water Commission	41666	N/A
Vermont	VT DMV	NYD000708271	06/30/2005
Virginia	Dept. of Waste Mgt.	NYD000708271	05/29/2009
West Virginia	PSC of W V (UNIFORM PROG)	UPW0199529OH	10/01/2005
Wisconsin	WIS DNR	16161	09/30/2006

Misc.
Interstate Commerce Commission
(Common & Contract Carrier Authority) MC-218638
NYSDOT (Intrastate Authority) MC-T-9898
USDOT Haz. Mat. Registration 051403700041LN 6/30/2006
Mine Safety Health Administration
(MSHA) Independent Contractor ID RVM
USEPA ID # NYD000708271
NYSDEC Asbestos Facility ID # 4012600013
NYSDEC Asbestos Transfer Facility Permit # 40126000131000010
Commission Transports Quebec Reg (NIR) R-519681-2
U.S.D.O.T. Census # 0199527
California Highway Patrol Carrier Registration CA196611 Exp. 6/30/05
California Highway Patrol Hazardous Materials License 132251
Canadian Safety CVOR # 123-938-053
New Jersey Certificate of Public Convenience & Necessity # SW2461
Hazardous Materials Safety Permit # 199527-NY-HMSP Exp. 7/31/08

Updated 06/06/05

I.2 Disposal Facility Operating Permits

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER
4-0103-16/16-0

F PROGRAM NUMBER(S)
I.D. # NYD080469935

PERMIT

Under the Environmental Conservation Law (ECL)

EFFECTIVE DATE
6/1/92 (6/7/95,7/20/95,8/15/95, 10/26/95, 11/30/95 mods)

EXPIRATION DATE(S)
6/1/97

TYPE OF PERMIT (Check All Appropriate Boxes)

☐ NEW ☐ RENEWAL ☒ MODIFICATION ☐ PERMIT TO CONSTRUCT ☒ PERMIT TO OPERATE

☐ ARTICLE 15, TITLE 5: PROTECTION OF WATER	☐ ARTICLE 17, TITLES 7, 8: SPDES	☒ ARTICLE 27, TITLE 9: 6NYCRR 373: HAZARDOUS WASTE MGMT.
☐ ARTICLE 15, TITLE 15: WATER SUPPLY	☒ ARTICLE 19: AIR POLLUTION CONTROL	☐ ARTICLE 34: COASTAL EROSION MANAGEMENT
☐ ARTICLE 15, TITLE 15: WATER TRANSPORT	☐ ARTICLE 23, TITLE 27: MINED LAND RECLAMATION	☐ ARTICLE 36: FLOODPLAIN MANAGEMENT
☐ ARTICLE 15, TITLE 15: LONG ISLAND WELLS	☐ ARTICLE 24: FRESHWATER WETLANDS	☐ ARTICLES 1, 3, 17, 19, 27, 37; 6NYCRR 380: RADIATION CONTROL
☐ ARTICLE 15, TITLE 27: WILD, SCENIC & RECREATIONAL RIVERS	☐ ARTICLE 25: TIDAL WETLANDS	☐ ARTICLE 27, TITLE 3, 6NYCRR 364: WASTE TRANSPORTER
☐ 6NYCRR 608: WATER QUALITY CERTIFICATION	☐ ARTICLE 27, TITLE 7: 6NYCRR 360: SOLID WASTE MANAGEMENT	☐ OTHER:

PERMIT ISSUED TO
Norlite Corporation

TELEPHONE NUMBER
(518) 235-0401

ADDRESS OF PERMITTEE
Box 694, Cohoes, New York

CONTACT PERSON FOR PERMITTED WORK
dward Burgher, Director of Compliance

TELEPHONE NUMBER

NAME AND ADDRESS OF PROJECT/FACILITY

LOCATION OF PROJECT/FACILITY
628 South Saratoga Street (State Route 32)

COUNTY	TOWN/CITY/VILLAGE	WATERCOURSE/WETLAND NO.	NYTM COORDINATES
Albany	Cohoes	Salt Kill	E: N:

DESCRIPTION OF AUTHORIZED ACTIVITY: Renewal of prior authorization to operate a hazardous waste management facility for the storage of specified hazardous waste in 214, 55 gallon containers up to 11,770 gallons (conditionally increased to 267, 55 gallon drums up to 14,700 gallons), storage/treatment in fifteen tanks with a total capacity of 144,100 gallons and incineration as a fuel in two rotary kiln industrial furnaces producing lightweight aggregate. Modification of this permit as per Attachment A.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the EC all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as this permit.

PERMIT ADMINISTRATOR:
William J. Clarke

ADDRESS NYS DEC, Region 4 Headquarters
1150 North Westcott Road, Schenectady, NY 12306

AUTHORIZED SIGNATURE
William J Clarke

DATE 11/30/95

GENERAL CONDITIONS

Inspections

1. The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3). A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Permit Changes and Renewals

2. The Department reserves the right to modify, suspend or revoke this permit when:
   a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
   b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
   c) new material information is discovered: or
   d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

3. The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms, fees or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

   The permittee must submit a renewal application at least:
   a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
   b) 30 days before the expiration of all other permit types.

5. Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Other Legal Obligations of Permittee

6. The permittee has accepted expressly, by the execution of the application, the full legal responsibility for all damages, direct or indirect, of whatever nature and by whomever suffered, arising out of the project described in this permit and has agreed to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from this project.

7. The permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

8. The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required for this project.

Special Conditions

FOR ARTICLE 27 , Title 9; 6 NYCRR Part 373
Hazardous Waste Management Permit

1 This permit is based on the assumption that the information submitted in the permit application submitted 4/4/86, and revised as indicated below (thereafter referred to as the application) is complete and accurate and that the facility will be operated as specified in the application. Any inaccuracies or incompleteness found in the information may be grounds for the termination or modification of this permit and potential enforcement action.

Complete Application Documents

1. 6 NYCRR Part 373 Permit Application dated May, 1992 (Vol I - III), and subsequent revisions as updated May 25, 1995. Revisions 11/21,22/95).
2. Trial Burn Report submitted December 1992, and revisions up to May 25, 1995.
3. Allowable Metals Concentration Report dated December 1991, and subsequent Air Modeling Analysis addendums up to June 1993. Revisions to 5/95.
4. Human Health Risk Assessment Report submitted December, 1991, and subsequent addendums up to June 1993. Revisions to 5/95
5. Environmental Assessment Form 11/93, revised 11/95.

2. The Permittee must operate the facility in strict accordance with the modules and attachments to this permit specified below:

Module I:	Standard Conditions
Module II:	General Facility Conditions
Module III:	Corrective Action Requirements
Module IV:	Waste Minimization Requirements
Module V:	Storage in Containers, Management of tanker and drum transport trucks
Module VI:	Storage/Treatment in Tanks
Module VII:	Incineration and Energy Recovery
Module VIII:	Land Disposal Restrictions
Module IX	Air Emission Standards for Organic Air Emissions
Attachment A	Waste Analysis Plan
Attachment B:	Security, Inspection and Preparedness/Prevention Procedures
Attachment C:	Personnel Training
Attachment D:	Contingency Plan

Special Conditions

FOR ARTICLE 27, Title 9; 6 NYCRR Part 373

Hazardous Waste Management Permit

Attachment E:	Container Management
Attachment F:	Tank Management
Attachment G:	Incinerator/Energy Recovery Operation
Attachment H:	Closure Plan
Attachment I:	Engineering Drawings
Attachment J:	Best Management Practices Plan
Attachment K	Fugitive Dust Plan and Addendum
Attachment L	Noise Control Plan
Attachment M:	Major/Minor Permit Modifications Summary

3. Pursuant to the Environmental Conservation Law, Article 3-0119, all the analyses performed to comply with the analysis requirements of this permit shall be performed by laboratories certified in the appropriate categories by the New York State Department of Health, Environmental Laboratory Approval Program (ELAP), if ELAP issues certifications in such categories. The permittee shall also: a) assure any vendor laboratory used will use the permittee's sample control numbers, 2) assure the vendor laboratory and its own have a comprehensive quality assurance and control program to address testing procedures and chain of custody of samples and 3) take full responsibility for the results it obtains and uses from vendor and its own laboratories.

4. The Permittee shall inform the Department within 24 hours of analytical results that indicate a PCB concentration of greater than 10 ppm in any individual load. The Permittee shall identify the supplier or generator of the waste load.

5. Any modification to the permit or regulated activities, as well as permit renewals, must be submitted in triplicate for prior approval to the Regional Permit Administrator at NYSDEC, Region 4, 1150 North Westcott Road, Schenectady, New York 12306, with two copies to NYSDEC, Bureau of Material Storage, Combustion & Regulation, 50 Wolf Road, Albany, New York 12233 and USEPA Region II, Hazardous Waste Permits Branch, 290 Broadway, New York, New York 10278. Any submittals of plans, reports, etc. made in order to comply with the permit conditions shall be sent as per Page I-10 of this permit.

Special Conditions

FOR ARTICLE 27 , Title 9; 6 NYCRR Part 373
Hazardous Waste Management Permit

6. An account to fund the Department's monitoring of the permittee's compliance with the terms hereof shall be established with the Department as follows:

   a. The sum of fifty thousand dollars ($50,000,00) shall be submitted to the Department within ten (10) days of the effective date of this permit, with which the monitor fund shall be established. The account balance must be sufficient to meet at least the next nine months' anticipated expenses. Charges against the account shall relate to actual staff time expended for the life of the project from permit effective date through Department approval of the final closure as implemented, and shall be for expenses described by paragraph (b) of this condition. The maximum staff time to be charged to the permittee will not exceed one full time equivalent employee over the life of the facility. Quarterly payments shall be made for the duration of this Permit in accordance with the following provisions:

   b. Costs to be covered by this fund include:

      1) Direct personal service costs and fringe benefits, including the cost of replacement personnel for the regulatory assigned monitor(s);

      2) Direct non-personal service costs, including purchase or lease of a vehicle, if necessary, and its full operating costs;

      3) Inflation increases; and

      4) Overhead or support costs at the approved Federal Indirect Cost Rate.

   c. The Department may revise the required payment on a quarterly basis to include all costs of monitoring to the Department. The quarterly revision may take into account factors such as inflation, salary increases, accrued interest to be applied to the balance, changes in operating hours and procedures and the need for additional on-site monitors.

7. The Permittee shall comply with the recommended control measures found in the approved Noise Impact Analysis, Technical Report AA-1790 (dated 9/24/90) and the Fugitive Dust Control Plan by Sci-Tech (dated 8/30/90). The Permittee shall also implement the Fugitive Dust Plan Addendum by Sci-Tech (dated 10/95 with cover letter dated 10/27/95) according to the approved schedule found in that plan. The permittee shall maintain a Fugitive Dust Plan implementation escrow account initially funded at $565,000. This account can be

Special Conditions

FOR ARTICLE 27 , Title 9; 6 NYCRR Part 373
Hazardous Waste Management Permit

drawn down according to the schedule of implementation as specific improvements are completed and the Department has conducted a final inspection, determined the specific improvement(s) to be in compliance with the plan and provided a written drawdown authorization. The schedule of implementation is to be revised to specify escrow amount drawdown with the completion of specific dust control measures and submitted for Department review and approval by 12/15/95. Once implemented the permittee shall maintain all fugitive dust control measures in compliance with the plan. In addition, the permittee is also responsible for maintaining compliance with the Norlite Best Management Practices Plan (Revision 1 dated 4/30/92 and as revised 10/26/95).

8. The Permittee shall prepare and submit a Compliance Report on 4/1 of every year describing the facility's record in complying with all DEC permits and the conditions contained therein for the previous twelve months including complaints received and how responded to. It shall also include a projection of key compliance elements and milestones in the forthcoming twelve months.

   The permittee shall maintain available for inspection at the facility a list and description of all complaints received at this facility and the evaluation of the complaints and actions taken on such complaints.

10. The permittee shall adhere to the truck traffic routing and maximum truck trip numbers identified in the Environmental Assessment Form (EAF) dated 11/93 and most recently revised 11/95. If complaints regarding truck traffic operating during off hours are received which are of a continuing nature and are substantiated by the Department then the Department at its discretion may impose restrictions on the hours which the permittee may allow trucks to enter or exit the facility. Such operating hour restrictions shall be no more stringent than:

    - No trucking operations on Sundays or the following holidays: New Years, Labor Day, Independence Day, Memorial Day, Thanksgiving Day and Christmas Day.*

    - Monday through Friday trucking operations limited to 6:30 AM to 6 PM. Saturday trucking operations limited to 8 AM to 4 PM.*

    *These restrictions shall not apply to emergency fuel/LGF deliveries. Late truck arrivals due to circumstances beyond the operator's control (e.g. weather, traffic and breakdowns) shall be permitted to enter and park in the authorized truck staging or unloading areas.

Norlite Corporation

528 SO. SARATOGA ST.
P.O. BOX 694
COHOES, N.Y. 12047
TEL.: (518) 235-0401
FAX.: (518) 235-0233

November 27, 1996

Mr. William Clarke
New York State Department of
Environmental Conservation
Region IV Headquarters
1150 North Westcott Road
Schenectady, NY 12306

Dear Mr. Clarke:

Enclosed please find 4 copies of a Part 373 Permit Renewal Application for Norlite Corporation in compliance with Paragraph D.2, Module I of the current permit will expire on June 1, 1997. The permit application does not contain a trial burn report as required under Paragraph E.5, Module VII of the current permit since the test burn has not yet been performed.

In preparing this application, Norlite has corrected previously inaccurate information regarding tank storage volume. The inground tanks have been historically characterized in the Part 373 Application as "nominal 24,000 gallon" tanks. The exact volume of these tanks are now described in the application document based on the original purchase documents and represent a net increase in storage capacity of roughly 9,600 gallons over the four existing tanks.

Section D of the application describes the proposed change in solid low grade fuel (SLGF) feed for Kiln #1 which will be tested in the upcoming trial burn.

If you have any questions regarding this application, please feel free to contact Tim Lachell or me. Thank you as always for your attention in this matter.

Sincerely,

William Morris
Environmental Director
NORLITE CORPORATION

THIS IS NOT A PERMIT

New York State Department of Environmental Conservation
Notice of Complete Application

Date: 03/17/2005

Applicant: NORLITE CORP
628 S SARATOGA ST
COHOES, NY 12047-4644

Facility: NORLITE CORP
628 S SARATOGA ST
COHOES, NY 12047

Application ID: 4-0103-00016/00016

Permits(s) Applied for: 1 - Article 27 TItle 9 Resource Conservation and Recovery Act

Project is located: in COHOES in ALBANY COUNTY

Project Description:
The Department has made a tentative determination to approve the renewal of the Part 373 hazardous waste management facility permit for Norlite Corporation of Cohoes, Albany County, New York. A draft permit has been prepared. Norlite Corporation (Norlite), located at 628 South Saratoga Street (State Route 32) in Cohoes, New York, operates two rotary kilns to manufacture light weight aggregate from shale. In these kilns, Norlite burns hazardous wastes/low grade fuel and waste oil for energy. Norlite accepts hazardous wastes and waste oil from off-site generators. Apart from these two kilns, Norlite also operates fifteen storage tanks to store and blend hazardous wastes, and a container storage area to store hazardous wastes prior to burning them in the kilns. Norlite has a hazardous waste permit (Part 373 permit) issued in June 1992 by the New York State Department of Environmental Conservation (NYSDEC) ("Department") for a term of five years. Prior to issuance of this permit , Norlite conducted a trial burn on these kilns under the permitted operating conditions and completed an acceptable multi-pathway human health risk assessment based on this trial burn emissions. Before this permit expired in June 1997, Norlite submitted a Part 373 permit renewal application and thus, this 1996 permit has been extended under the State administrative Procedure Act (SAPA) until a final determination is made by the Department either to renew or deny the permit.

Public Comment Period and Document Availability for Review:
DEC is interested in receiving comments from the public and other governmental agencies regarding the draft Part 373 Hazardous Waste Management Facility Permit and permit application for the Norlite facility. Public Comments must be received no later than COB May 23, 2005 to the attention of the Contact Person that is identified at the end of this Combined Notice.

In addition to the Draft Permit, DEC has prepared a Fact Sheet which includes a more detailed description of the hazardous waste management activities at Norlite and descriptions of measures included in the Corrective Action Program for Norlite for the investigation and remediation of releases of hazardous waste or constituents to the environment from solid waste management units. A copy of these documents are available at the NYSDEC central office, DS&HM, 625 Broadway, Albany, NY 12233-7251[contact Mr. Parag Amin at (518) 402-8609], the NYSDEC Region 4 Office, 1150 North Westcott Road, Schenectady, NY 12306 [contact Mr.

William Clarke at (518) 357- 2069] and at the Colonie Town Library, 629 Albany Shaker Rd., Loudonville, NY 12211 and Cohoes City Library, 169 Mohawk St., Cohoes, NY 12047 (at the reference Desk).

blic Information Session:

To familiarize the public with Norlite's facility and its draft Permit, DEC has scheduled a Public Informational Session on 4/27/05 at 7:00 PM at the Cohoes Senior Center, 10 Cayuga Plaza, Cohoes, NY 12047. DEC staff will be available to answer any questions from the public on Norlite's operations and the proposed draft permit conditions.

Legislative Public Hearing:
Due to the anticipated public interest, a legislative public hearing has been scheduled for 5/18/05 at 7:00 PM at the Cohoes Senior Center, 10 Cayuga Plaza, Cohoes, NY 12047 to receive unsworn statements from the public about the applicant's Part 373 application and DEC's proposed Part 373 permit. No pre-filing is required to speak at the hearing. People may present written and/or oral statements at this hearing. All comments received during the public comment period will be reviewed and considered by DEC, whether they are mailed to the DEC contact person, or, presented orally or in writing at the legislative public hearing. This hearing location is reasonably accessible to persons with a mobility impairment. Interpreter services are available to deaf persons, at no charge. Request for interpreter services must be received by the Contact Person at least 5 business days before the hearing.

te Environmental Quality Review (SEQR) Determination
Project is not subject to SEQR because it is a Type II action.

SEQR Lead Agency None Designated

State Historic Preservation Act (SHPA) Determination
The proposed activity is not subject to review in accordance with SHPA. The permit type is exempt or the activity is being reviewed in accordance with federal historic preservation regulations.

Availability For Public Comment
Comments on this project must be submitted in writing to the Contact Person no later than 05/23/2005

Contact Person
WILLIAM J CLARKE
NYSDEC
1150 NORTH WESTCOTT RD
SCHENECTADY, NY 12306-2014
(518) 357-2069

CC List for Complete Notice

JOHN T. MCDONALD, III, MAYOR, CITY OF COHOES
ENB

11-3-00 1:10P

Post-it™ brand fax transmittal memo 7671 | # of pages ▸

To LIZ ROVERS	From BILL YEMAN
Co.	Co.
Dept.	Phone #
Fax #	Fax #

New York State Departm
50 Wolf Road, Albany, New Y
518-457-6934 FAX 518-45

EARTH DAY 25 1995 ENVIRONMENTAL PARTNERS

Michael D. Zagata
Commissioner

JUN 2 0 1995

Mr. Keith Truman
Environmental Consultant
Mobil Oil Corporation
3225 Gallows Road
Fairfax, VA 22037-0001

Dear Mr. Truman:

This letter concerns the regulatory status of petroleum/water mixtures under New York State's hazardous waste regulatory program.

As a result of our March 2, 1995 meeting, hosted by Mr. George Mahoney, of the Office of Regulatory Reform, I stated that we would forward a letter to Mr. Michael Shapiro, Director, Office of Solid Waste - United States Environmental Protection Agency (EPA), Washington, D.C., to determine EPA's current position on this issue.

Mr. Shapiro's June 14, 1995 response (copy enclosed) empowers RCRA-Subtitle C authorized states to make these determinations in accordance with historical EPA guidance and the best professional judgment of State hazardous waste regulatory staff.

New York State is a RCRA-Subtitle C authorized state.

Therefore, effective immediately, the position of this Department on the regulatory status of petroleum/water mixtures under New York State's hazardous waste regulatory program will be as follows:

1. Petroleum/water mixtures will not be considered solid wastes for the purposes of the hazardous waste regulatory program, provided that these materials are legitimately reclaimed for their petroleum content or, alternatively, used directly as petroleum refinery feedstock or for fuel blending.

   There is one cautionary note regarding cases where petroleum recovered from petroleum/water mixtures is to be blended into fuels. In order for the petroleum/water mixture to be excluded from being a solid waste under the hazardous waste regulatory program, the petroleum materials present must be products that are normally used as fuels (e.g., gasoline, fuel oil, etc.). A mixture of water and lubricating oil, for example, would not qualify for the exclusion if the recovered oil is to be blended to be burned for energy recovery, since lubricating oil is not normally used as a fuel.

2. Petroleum/water mixtures may still qualify as regulated solid wastes for the purposes of the waste transporter permitting program of 6NYCRR Part 364, under which a permitted industrial waste transporter might be required to transport the material. Please contact the Department's Division of Regulatory Services at (518) 457-3254 regarding this issue.

3. Once the petroleum has been reclaimed from a petroleum/water mixture, the remaining wastewater is, of course, clearly waste-like and would be subject to regulation as a hazardous waste if it qualified as such. The recovered petroleum would not be a solid waste if blended into fuels (unless the material contained petroleum products not normally used as fuels), or if it were used as refinery feedstock.

4. Facilities that legitimately reclaim petroleum/water mixtures would not be subject to permitting as hazardous waste facilities for this particular activity. Such facilities may be subject to regulation and permitting under New York State's solid waste regulations (6NYCRR Part 360).

5. None of the foregoing applies to used oil. Used oil is regulated specifically under 6NYCRR Subpart 360-14 and 6NYCRR Subpart 374-2.

I trust this resolves this matter. By copy of this letter, I am notifying all of this Department's Regional Offices of this change in regulatory interpretation.

Please call me if you have any questions.

Sincerely,

Norman H. Nosenchuck, P.E.
Director
Division of Hazardous Substances
Regulation

Enclosure

cc: w/enc. - S. Kosche - Mobil Oil Corporation
G. Mahoney - Office of Regulatory Reform

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PERMIT TO OPERATE A COMMERICAL HAZARDOUS WASTE AND USED OIL FACILITY

Pursuant to Chapters 439 and 446k of the Connecticut General Statutes, a Permit is issued to

Permittee:
Bridgeport United Recycling, Inc. (BUR)
50 Cross Street
Bridgeport, Connecticut 06610

Facility Identification:
EPA ID No. CTD002593887
Permit No. DEP/HWM 0015-001

to operate a storage and treatment facility for hazardous waste and used oil located at 50 Cross Street, Bridgeport, CT in accordance with Sections 22a-6, 22a-449(c) and 22a-454 of the Connecticut General Statutes (CGS) as specified in the conditions and attachments set forth herein.

This permit regulates and authorizes the storage and treatment of hazardous waste and used oil accepted from off-site locations as well as hazardous waste generated from on-site activities. The Permittee operates a commercial used oil and hazardous waste treatment, storage, and recycling facility. The activities include: container storage; loading and unloading bulk and non-bulk containers; separation of solid and semi-solid wastes; storage and treatment in tanks; storage in roll-offs; shredding oil filters and drums; separation of liquids from solids and semi-solids; and solidification of mix pit wastes. BUR also engages in truck-to-truck transfer of wastes.

All terms used in the permit are as defined in the permit or if not defined in the permit are as defined in Section 22a-449(c)-100 of the Regulations of Connecticut State Agencies (RCSA) or in Title 40 of the Code of Federal Regulations (CFR) Parts 260, 261, 262, 264, 268, 270, and 279.

This permit is based on the information described in the Recovery Conservation and Recovery Act (RCRA) Part B permit application and the CGS 22a-454 permit application submitted to the Department of Environmental Protection by the applicant. BUR's application consists of four (4) volumes dated September 7, 1999 and supplemental addenda. The Permittee must keep records of all data used to complete the permit application and any supplemental information submitted for the effective term of this permit. The permit application is hereby incorporated by reference as part of this permit. Any false statement or inaccuracies contained in the information submitted by the Permittee may result in the suspension, revocation or modification of this permit and civil or criminal enforcement action.

The Permittee shall comply with all terms and conditions of this permit. This permit consists of the conditions contained in Section I-Standard Facility Conditions; Section II-Permitted Activities; Section III-Operating Conditions; Section IV-General Facility Conditions; Section V-Compliance Schedule; and Section VI-Attachments; and the information as specified in the Permittee's permit application, except where the application is superseded by the more stringent conditions contained herein. Any violation of any provision of this permit may subject the Permittee to enforcement action pursuant to the CGS including but not limited to Sections 22a-6a and 22a-131. In addition, the permit incorporates the following: Attachment A-Waste Analysis Plan; Attachment B-Contingency Plan; Attachment C-Closure Plan; Attachment D-Personnel Training; and Attachment E-Facility Inspection Plan.

This permit may be revoked, suspended, modified, transferred, or reissued, in order to comply with the applicable law. The Commissioner may also modify this permit when it is deemed necessary to do so. The Permittee shall submit a revised permit application to the Commissioner at least one hundred eighty (180) calendar days before making any changes to any of the permitted areas or activities. Any revised application shall be approved in writing by the Commissioner prior to the Permittee implementing such changes.

The Permittee shall submit an application for a renewal of this permit to the Commissioner at least one hundred eighty (180) calendar days prior its expiration date.

This permit shall become effective on 09/30/2005 and shall expire on 09/30/2010.

9/30/05
Date

Gina McCarthy
Commissioner
Department of Environmental Protection

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER: 4-0101-00171/00011

FACILITY/PROGRAM NUMBER(S): #01-502-1

PERMIT

Under the Environmental Conservation Law (ECL)

EFFECTIVE DATE: 2/29/00

EXPIRATION DATE(S): 10/27/05

TYPE OF PERMIT (Check As Appropriate Boxes)

☐ NEW ☐ RENEWAL ☒ MODIFICATION ☒ PERMIT TO CONSTRUCT ☒ PERMIT TO OPERATE

☐ ARTICLE 15, TITLE 5: PROTECTION OF WATER	☐ ARTICLE 17, TITLES 7, 8: SPDES	☐ ARTICLE 27, TITLE 9; 6NYCRR 373: HAZARDOUS WASTE MGMT.
☐ ARTICLE 15, TITLE 15: WATER SUPPLY	☐ ARTICLE 19: AIR POLLUTION CONTROL	☐ ARTICLE 34; COASTAL EROSION MANAGEMENT
☐ ARTICLE 15, TITLE 15: WATER TRANSPORT	☐ ARTICLE 23, TITLE 27: MINED LAND RECLAMATION	☐ ARTICLE 36: FLOODPLAIN MANAGEMENT
☐ ARTICLE 15, TITLE 15: LONG ISLAND WELLS	☒ ARTICLE 24: FRESHWATER WETLANDS	☐ ARTICLES 1, 3, 17, 19, 27, 37; 6NYCRR 380: RADIATION CONTROL
☐ ARTICLE 15, TITLE 27: WILD, SCENIC & RECREATIONAL RIVERS	☐ ARTICLE 25: TIDAL WETLANDS	☐ ARTICLE 27, TITLE 3, 6NYCRR 364: WASTE TRANSPORTER
☐ 6NYCRR 608: WATER QUALITY CERTIFICATION	☒ ARTICLE 27, TITLE 7; 6NYCRR 360: SOLID WASTE MANAGEMENT	☐ OTHER:

PERMIT ISSUED TO: City of Albany

TELEPHONE NUMBER:

ADDRESS OF PERMITTEE: City Hall, Albany, NY 12207

CONTACT PERSON FOR PERMITTED WORK: Willard Bruce

TELEPHONE NUMBER:

NAME AND ADDRESS OF PROJECT/FACILITY: Rapp Road Interim Landfill

LOCATION OF PROJECT/FACILITY: Rapp Road, Albany, NY

COUNTY	CITY:	WATERCOURSE/WETLAND NO.	NYTM COORDINATES
Albany	Albany		E: N:

DESCRIPTION OF AUTHORIZED ACTIVITY:

Permit modification to allow construction and operation of a 23 acre expansion, including an overfill over the existing Greater Albany Landfill (closed) and a horizontal expansion of the Albany Interim Landfill, and to allow continued operation of the existing Albany Interim Landfill.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

REGIONAL PERMIT ADMINISTRATOR:	ADDRESS	
William J. Clarke	NYS DEC, Region 4 Headquarters 1150 North Westcott Road, Schenectady, NY 12306	
AUTHORIZED SIGNATURE: William J. Clarke	DATE: February 29, 2000	Page 1 of 13

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

GENERAL CONDITIONS

General Condition 1: Facility Inspection by the Department

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

General Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

General Condition 3: Applications for Permit Renewals or Modifications

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

The permittee must submit a renewal application at least:

a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and

b) 30 days before expiration of all other permit types.

Submission of applications for permit renewal or modification are to be submitted to:

NYSDEC Regional Permit Administrator, Region 4
1150 North Westcott Road, Schenectady, NY 12306
(for: Albany, Columbia, Greene, Rensselaer, Montgomery, & Schenectady Counties)

NYSDEC Deputy Regional Permit Administrator, Region 4
Stamford Field Office, Rte. 10, Stamford, NY 12167
(for: Delaware, Otsego, & Schoharie Counties)

General Condition 4: Permit Modifications, Suspensions and Revocations by the Department

The Department reserves the right to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;

b) the permit was obtained by misrepresentation or failure to disclose relevant facts;

c) new material information is discovered; or

d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Special Conditions
FOR ARTICLE 27, Title 7 (Solid Waste Management)

I. GENERIC REQUIREMENTS

1. All work related to this permit shall be conducted in conformance with the 6 NYCRR Part 360 Application for a Solid Waste Management Facility Permit modification submitted on April 9, 1999 and as revised on July 9, 1999; the Third Supplemental Final Environmental Impact Statement (TSFEIS) accepted February 10, 2000 (which incorporates the Response to Comments and includes the Third Supplemental DEIS dated April, 1999 and revised July 9, 1999) and all appendices and technical supplements submitted with these documents including the original FEIS prepared for the project dated August 1988; the Decision of the Commissioner of the Department of Environmental Conservation dated February 2, 1990; the Hearing Decision dated February 13, 1990; the Supplemental FEIS accepted September 25, 1995, and the Second Supplemental FEIS accepted December 24, 1996.

   This permit supercedes all provisions of NYS DEC Order on Consent R4-1910-96-09 (10/29/96).

   If there are differences between the conditions of this permit and documents submitted as part of the permit application or identified in the Special Conditions, the permit condition(s) shall take precedence over and supersede the referenced documents. In cases in which it is required by this permit these documents will be modified and supplemented.

   For the purposes of this Permit, the term "Landfill" when used alone is to include the City of Albany Interim Landfill, the Wedge Expansion, and the P-4 Expansion Landfill.

2. Unless specifically noted elsewhere in this permit, all submissions to the Department required under this permit shall be made in duplicate to the Regional Permit Administrator, Region 4, New York State Department of Environmental Conservation, 1150 North Westcott Road, Schenectady, New York 12306.

3. The Permittee shall accept at the Landfill only solid waste that has been generated within a municipality located in New York State that has either completed a comprehensive recycling analysis, or is included in another municipality's comprehensive recycling analysis satisfying the requirements of 6 NYCRR Part 360-1.9(f) and which has been approved by the Department. In either case, the municipality must have implemented the recyclables recovery program determined to be feasible by the analysis.

4. Quarterly meetings of the ANSWERS municipalities, presently being hosted by the City, will be held for as long as the Landfill actively receives solid waste, as that term is defined in 6 NYCRR Part 360-1.2, for disposal.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

II. CONTINUING MITIGATION REQUIREMENTS

5. Long Range Solid Waste Management System Development

The City specifically acknowledges that the Department would have neither considered or approved an interim facility and this expansion in the absence of the City of Albany's absolute and unequivocal commitment to identify and secure an acceptable site for a long term facility prior to the Landfill reaching maximum capacity.

If the City elects to withdraw or nullify its pending application for a long term solid waste management facility, then it must provide at the same time an alternative solid waste management system or facility / site which can be implemented prior to the Landfill reaching maximum capacity.

6. Pine Bush Preserve

The City will continue, through participation in the Albany Pine Bush Preserve Commission and funding as detailed in Special Condition 14 of this permit, to fulfill its responsibilities to manage Pine Bush Preserve lands it owns or controls through land management measures such as fire management and selective clearing. In addition, as a member of the Albany Pine Bush Preserve Commission, the City must continue to participate in activities such as Pine Bush vegetation and soil mapping, census collection and mapping of Karner Blue Butterfly and Buck Moth populations, creation and maintenance of trail systems within the Preserve, studies on the effect of fire on plant succession and composition (particularly Lupine), and long term studies related to fire management. Documents which guide such activities are the Albany Pine Bush Preserve Commission Management Plan and Final Environmental Impact Statement dated January 1993 and the Albany Pine Bush Preserve: Protection and Project Review Implementation Guidelines and Final Environmental Impact Statement dated February 12, 1996.

III. RECYCLING CONDITIONS

7. The City shall undertake all actions reasonably necessary to require that all participating Planning Unit municipalities using the Landfill have developed, have undertaken or are expanding their existing recycling programs in accordance with the goals and schedules contained within the approved ANSWERS Wasteshed Solid Waste Management Plan and applicable Law and Regulations.

8. The City must maintain an approved recycling plan according to the approved comprehensive recycling analysis and Solid Waste Management Plan schedules.

9. The City must continue to implement procedures and rules with regard to accepted wastes and recyclables. These rules must be implemented consistent with the above recycling schedule.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

IV. LEACHATE GENERATION, COLLECTION HANDLING AND MANAGEMENT

10. The Permittee must conduct leachate management, sampling, and analysis in accordance with 6 NYCRR Part 360-2.11 and the revised and approved Environmental Monitoring Plan submitted as part of the Part 360 Permit Modification Application for this facility.

11. The Permittee is required to continue leachate management practices at the Landfill that will assure it remains free flowing with a maximum hydraulic head of one foot on the primary liner system, except during major storm events.

    Based upon the results of the "Evaluation of Leachate Conveyance and Storage Facilities under Seismic Conditions of the Albany Interim landfill Expansion", dated November 1996, prepared by EMCON, any leachate tanks remaining in use at the current location for leachate storage must be maintained at below 50% capacity. The leachate tanks at the new location shall also be maintained at below 50% capacity, during normal operating conditions. The Permittee may not utilize more than 50% capacity of the leachate storage tanks at their new location for contingency purposes until such time as the Department approves a geotechnical analysis which supports such use.

12. The Permittee will continue to adhere to conditions of the current authorization to discharge leachate into the Albany County Sewer District waste water treatment system. Prior to operation of the horizontal portion of the P-4 expansion, the Permittee must submit to the Department a copy of an agreement signed by both the Permittee and the Albany County Sewer District which formally allows the Permittee to discharge leachate into the District's sewer system. The agreement must be specific relating to conditions under which this discharge can continue for the full life of the permitted expansion. If at any future date authorization under the agreement were to be revoked, then within fifteen (15) days of such revocation the Permittee must provide documentation that an available alternative facility has been located.

V. FINANCIAL

13. (a) The Permittee shall maintain financial assurance. The City may elect to pass a resolution modifying the Solid Waste Management Facility Reserve Fund established by Resolution No. 25.41.98R, adopted by the Common Council of the City of Albany on April 6, 1998, should it be necessary, to allow a maximum of 10% of the established closure escrow account to be accessible for costs associated with closure activities on the Greater Albany Landfill. This can only occur if there are adequate remaining funds in the account to cover the estimated closure and post closure costs for the Interim Landfill, The Wedge and the P-4 Expansion.

    The account must be maintained in force during the post closure period. Upon proper closure and demonstrated maintenance of these facilities, the Permittee may at any time request that the Department approve a reduction of the amount maintained in the account.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

The financial security mechanism established must be irrevocably assigned to the Department. The corpus of each must be available for use by the Permittee to carry out its obligations associated therewith upon receiving approval of the Department. If, at any time, the Department determines that the Permittee has failed to fulfill any of its closure obligations, the Department may use such corpus as has been established to effectuate such actions. Nothing herein must be construed to preclude the Department from enforcing the terms of this Permit, administratively or judicially, in addition to or in lieu of using the financial security mechanisms.

(b) On or before October 27, 2000, the City will submit to the Department for its review and approval, (i) a revised landfill closure cost estimate, utilizing third party costs for closure, and conforming to the requirements of 6 NYCRR Part 360-2.19(b), and (ii) a proposed financial assurance demonstration meeting the requirements of 6 NYCRR Part 360-2.18(e), which may include multiple mechanisms as allowed under 6 NYCRR Part 360-2.19(e). For purposes of calculating the pay-in period found in 360-2.19(e)(1)(ii), this facility shall be considered an existing landfill.

(c) Prior to the earlier of either (i) the operation of Phase I of the footprint expansion component of the P4 expansion as shown on drawing FP2 or (ii) the due date of the Facility Annual Report for 2000 (to be submitted by March 1, 2001), the City shall have in place the Department approved financial assurance and have provided adequate verification to the Department.

14. For the first five years of operation, the Permittee shall assess a minimum of $.50 per ton Pine Bush management fund fee on all wastes received after the effective date of this permit and deposit these funds on a quarterly basis in an account designated by the Albany Pine Bush Preserve Commission. Thereafter, the Permittee shall assess a minimum of $.75 per ton Pine Bush management fund fee on all wastes, and deposit these funds on a quarterly basis in an account designated by the Albany Pine Bush Preserve Commission.

15. The Permittee shall continue to implement the measures described in the agreement entered into between the Permittee and the residents of Fox Run Estates (attached to the Third Supplemental FEIS as Appendix J) regarding measures to be undertaken by the Permittee to offset or mitigate impacts to Fox Run Estates due to the construction and/or operation of the Landfill, so long as these agreements remain in effect. The Permittee shall provide a copy of any modification to these procedures to the Department within thirty (30) days of such changes becoming effective.

VI. LANDFILL OPERATIONS

16. As part of operation of the Landfill expansion approved by this permit modification, the Permittee must comply with the Environmental Monitoring Plan which addresses/includes:

a. a set of statistical triggers for all wells monitoring the expansion facility in satisfaction of the provisions of subparagraph 360-2.11(c)(5)(ii),

Special Conditions
FOR ARTICLE 27, Title 7 (Solid Waste Management)

b. Semi-annual monitoring of the inclinometer.

17. The Permittee must operate the Landfill in accordance with 6 NYCRR Part 360-1.14, 360-2.17 and the Revised Operations Plan dated February 10, 2000, except as supplemented or modified by the conditions in this permit.

18. The Landfill shall operate only between the hours of 7:00AM to 4:30 PM Monday through Friday with no operations at night or on Saturdays and Sundays or the following holidays, New Years Day, Memorial Day, July 4th, Labor Day, Thanksgiving or Christmas except for scheduled Spring Cleanup Days (Saturdays only) within the City of Albany.

19. The following wastes must not be disposed of at this facility:

a. waste identified in 6 NYCRR Part 360-1.5(b);

b. any empty drum or any container which has held hazardous waste and is not empty according to 40 CFR 261.7(a)(3); 1;

c. any regulated medical waste as defined by 6 NYCRR Part 360-17.2(h); and,

d. any industrial and commercial liquids, sludges, slurries, which are less than 20 percent solids;

3. The daily tonnage of accepted waste at this facility must not exceed 1050 tons per day, based on a 30 operating day rolling average.

4. Notice of quarterly groundwater and/or leachate sample collection activities must be made to the Department at least 10 business days in advance of the activity.

5. The Permittee must close this landfill in accordance with the May 1994 Albany Interim Landfill Revised Closure Plan, except as superseded by the July 1999 Permit Modification Application prepared by C.T. Male Associates, submitted to the Department with a revision date of February 4, 2000. Final closure elevations must not exceed 465 feet.

6. The Permittee will maintain a 24 hour phone complaint network to allow facility users / neighbors to register comments / complaints related to facility operations. A log of all complaints will be maintained and this log will record as a minimum; caller's name (asked for but not required), date, time, location where the problem is detected, nature and duration of problem, name and title of person receiving the call, and actions taken in response to comment/complaints. If there is more then one phone number given out for registering comments/complaints, a separate log shall be maintained for each phone number.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

7. The Permittee will, in response to the existing and potential occurrence of on and off site odors relating to the inactive Greater Albany Landfill, the Interim Landfill, the Wedge and the P-4 Expansion Landfill, continue or initiate the following measures as means of controlling this problem:

   A. The Permittee will up-date the inventory of all potential sources of off-site odors resulting from the presence and/or operation of the Landfill.

   B. Along with the identification of any "new" potential sources of off-site odors, the Permittee will submit for approval a remedial action measure for each new odor source identified with an expeditious schedule for implementation.

   C. Until the Landfill is inactive, or the Fox Run Estates property has been dedicated to the Albany Pine Bush Preserve Commission, whichever occurs first, the Permittee must establish a schedule for quarterly community outreach program (e.g., public meeting, newsletter, etc.). Meetings, when scheduled, will be held at a location within three miles of the landfill and the residents of Fox Run Estates must be notified individually of any meeting. In addition, the Permittee must notify the landfill neighbors of upcoming activities on the landfill which have the potential of causing nuisance conditions. Such notice will be posted in the weather-proof and enclosed bulletin-board located in the area of the mailboxes. The notice must be posted at least five business days prior to the activity except for emergency activities where the notice will be posted as soon as practicable. A copy of all notices or newsletters must also be provided to the Department.

   D. The practice of connecting all horizontal landfill gas extraction pipes to the active landfill gas collection/control system as they are being installed will continue. It is understood that it may be necessary due to concerns related to oxygen infiltration/intrusion that these connections may be "valved down" and/or closed, but they must be connected to the active system as required herein.

      The equivalent design that was previously approved by the Department shall remain in effect for the P-4 Expansion. Therefore, the horizontal landfill gas collection pipes shall be placed within the Landfill waste mass and shall have used tires installed around them, with NYSDOT #3A or #3 non carbonate stone as backfill material in and around the waste tires, as described in the Engineering Report referenced in Condition No. 1. It will not be acceptable to use tire chips as a substitute ballast material for the whole tires. The Permittee may request the Department's consideration/approval of alternative designs. Use of this active landfill gas collection/control system eliminates the need for the gas venting layer in the cover system for the P-4 Expansion Landfill.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

E. The Permittee will maintain a daily odor log, which as a minimum must record; remedial measures taken to control odors and/or complaints, maintenance of odor control systems, reported occurrences of odors around the perimeter of the landfill by landfill workers, results of landfill perimeter gas monitoring, and results of daily facility odor inspections. The daily facility odor inspections will include, at a minimum, a full landfill toe of slope inspection for odors escaping the working face, visual inspection of the Posi-Shell cover on slopes for gaps in coverage, evidence of inadequate combustion of landfill gas from the flare, or atmospheric conditions which might be associated with increased potential for off-site odor impacts (i.e. northerly wind direction, low barometric pressure, relatively high air temperature, high humidity, or temperature inversions). The daily inspections must continue until the entire Landfill, including the expansion areas, are capped and closed pursuant to the Department approved closure plan.

F. The Permittee will execute and follow the measures stated under 10.0, Environmental Controls, 10.1, Odor Control Plan, found in the February 10, 2000 Operation Plan, P-4 Project, Albany Landfill, for the control of on- and off-site odors resulting from operation of the Landfill. The Permittee shall in accordance with 6 NYCRR Part 360-1.14(m), effectively control odors, so they do not constitute a nuisance or hazard to health, safety or property.

25. The Permittee will implement an Environmental Benefit Project (EBP) which will evaluate, and if feasible, implement remediation of all or part of the groundwater plume associated with the unlined Greater Albany Landfill. The EBP will consist of three components as follows:

a. Submission of a Site Investigation Study by July 1, 2000 for the Department's review and approval, which will characterize the plume, including identification of groundwater standard exceedences;

b. Submission of a Feasibility Study (FS) by December 1, 2000 for the Department's review and approval, which shall emphasize achieving compliance with groundwater standards (or significant progress towards compliance with groundwater standards). This FS shall include a "no action" alternative in its evaluation;

c. Design and implementation of the Department-approved EBP by August 1, 2001, which may include a pilot program, if determined appropriate by the Department.

VII. AIR REQUIREMENTS

26. The Permittee must comply with the requirements for gas collection and control contained in section 360-2.21 as follows:

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

a. The City of Albany must submit a collection and control system design plan as required by 360-2.21(c)(2)(ii)('a') within 60 days of permit issuance. The proposed collection and control system as described in the plan must be designed to handle the maximum expected gas flow rate for the entire landfill. The design plan must also demonstrate the system's ability to collect and control all of the landfill gas produced by all areas of the total landfill (existing and expanded sections).

b. The City of Albany must develop an acceptable surface monitoring design plan as required by 360-2.21(d)(4), and submit this plan to the Department within 30 days of permit approval. The surface monitoring design plan must include contingency actions taken by the Permittee to address exceedances of 500 ppm.

c. The City of Albany must perform quarterly surface monitoring of methane concentrations as required by 360-2.21(f)(3), and follow the procedures outlined in the approved monitoring plan.

VIII. NATURAL RESOURCE AND WETLAND MITIGATION CONDITIONS

27. Within 90 days of permit issuance the Permittee shall initiate implementation of the Habitat Management Plan for the Landfill (dated 7/7/99, revised 12/30/99). The Permittee and/or it's consultant shall meet a minimum of three (3) times per year with DEC staff and staff of the Albany Pine Bush Preserve Commission to discuss habitat management issues.

6. Mitigation for wetland impacts shall consist of two segments. **Segment One** - restoration and enhancement of DEC wetland A-33, including activities necessary to adequately assess fish populations in A-33 and the elimination of fish from this wetland. **Segment Two** - creation of approximately 0.25 acres of freshwater wetland on the Fox Run Estates property adjoining the existing drainage channel.

Wetland mitigation work shall be as described in the February 1, 2000 Wetland Mitigation Plan prepared by C.T. Male. Work shall be initiated or under contract by 4/14/2000 and shall be completed by 8/1/2001. During the period of mitigation construction, the Permittee's wetland consultant shall visit the site at least twice weekly. In addition, weekly progress reports shall be sent to DEC Division of Environmental permits each Friday. Mitigation areas shall be monitored for a period of 5 years from completion of work.

The Permittee shall, in coordination with the Corp of Engineers and the Department, prepare and submit for approval a detailed monitoring plan for the wetland mitigation work.

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

7. As per the Third Supplemental Final Environmental impact Statement the Permittee shall complete the acquisition of the 60 +/- acres of the Fox Run Estates property. Within 30 days of the permit issuance the Permittee shall provide a schedule for the completion of the purchase to the Department. This schedule shall include at a minimum a copy of the purchase contract, and anticipated date or dates for dedication of the property to the Albany Pine Bush Preserve. Transfer of title documentation shall be submitted to the Department prior to operation of the horizontal component of the P-4 Expansion, shown as Phase I on drawing FP2.

IX. REPORTING REQUIREMENTS

ANNUAL REPORTS

8. The Permittee shall prepare and submit to the Department of Environmental Conservation (both the Central Office and the Region 4 Office) by March 1 of each year, an annual report addressing the items set forth in 6 NYCRR Part 360-2.17(t). In addition to the items required to be addressed in 6 NYCRR Part 360-2.17(t), this report shall include the following information:

   a. Financial Assurance - The report shall set forth the total amount of funds in the City's Solid Waste Management Facility Reserve Fund and the amount acquired during that calendar year. The report shall also re-estimate the cost of closure and post closure monitoring and maintenance of the un-capped portions of the landfill including the Greater Albany Landfill, the Interim Landfill, the Wedge and the P-4 Expansion, and provide a schedule for payment of the additional funds required for closure and post closure in accordance with the provisions of 6 NYCRR Part 360-2.19.

   b Contingency Plan Review The report shall include a review of the Permittee's contingency plan, and a discussion of whether any element of the contingency plan has become unavailable or inoperative, and if it has, provide a revised contingency plan for the Department's review and approval.

31. Bird Control. The Permittee shall submit, no later than July 1 of each year, an annual report setting forth the results of the bird control plan undertaken at the Landfill. This report must, as a minimum, address:

   A. detailed description of impacts that initiation of the bird control program has upon Fox Run Estates (i.e. rough estimates of roosting birds by genus, and rough estimates of fly-over birds;

   B. detailed description of methods employed to deter birds from the landfill and Fox Run Estates, including a map indicating locations where noise is used as a means of control;

Special Conditions

FOR ARTICLE 27, Title 7 (Solid Waste Management)

C. conclusions (description of present impacts on the Landfill and Fox Run Estates from bird populations) based upon work completed to date, recommendations for continuing the present program, or changing it, and an evaluation of the capability to control birds on a yearly basis at the Landfill (including expansion areas) and Fox Run Estates in compliance with 6 NYCRR 360-1.14 (l), vector controls.

The Permittee shall within two weeks of submitting this report, arrange a meeting with the Department to discuss the findings/recommendations.

32. Habitat Management Plan The Permittee shall update the Habitat Management Plan, and submit it to the Department for its review and approval, by March 1 of each year. This update shall reflect (a) management successes/failures; (b) necessary changes in scope or plan approach or (c) comments/concerns of DEC or the Albany Pine Bush Preserve Commission. One of the three prescribed meetings required by Special Condition No. 27, of this permit, shall be scheduled within two weeks of the Department's receipt of this report.

33. Wetland Mitigation The Permittee shall submit an annual report regarding the wetland mitigation required by Special Condition 28 to DEC and the Albany Pine Bush Preserve Commission during the five year post-construction monitoring period.

34. Semi-Annual Reports.

a. The Permittee shall submit a semi-annual report, on July 15 and January 15, containing the details of the collection and reporting procedures and data interpretation of the inclinometer monitoring data, including a discussion of the performance of the inclinometer versus its potential failure. This discussion of potential failure mechanisms must be accompanied by a description of any measures that can and/or are being taken to correct and/or avoid problems.

b. The Permittee shall prepare Habitat Management Progress Reports for submittal to DEC by May 1 and November 1 of each year of the effective term of this permit.

3. Quarterly Reports. The Permittee shall submit a quarterly report, on April 15, July 15, October 15, and January 15, covering the previous quarter, containing the following information:

A. A copy of the minutes of the quarterly meeting of the ANSWERS Wasteshed;

B. An accounting of the quarterly payments to the Albany Pine Bush Preserve Commission required by Special Condition 14.

Special Conditions
FOR ARTICLE 27, Title 7 (Solid Waste Management)

c. For the first year of use of the Ecosorb in the three application modes described in the Operations Plan, the Permittee will submit quarterly (monthly during June, July and August) reports describing its effectiveness for each application mode. The reports should, at a minimum, indicate frequency of use (for each mode) of the Ecosorb, apparent success when utilized, correlations of its use and complaints received (if such a correlation can be made), and changes in application methods if made, or proposed.

Groundwater monitoring results in accordance with 360 - 2.11

36. Monthly Reports The Permittee shall submit to the Regional Solid Waste Engineer at the Region 4 address identified in Special Condition 2, within 15 days of the end of the month, a monthly report addressing the following:

a. A monthly leachate management report which defines: 1) the daily secondary leachate collection and removal system liquid flow rates reported in gallons per acre per day (GPAD); 2) daily primary leachate collection and removal system flow rates reported in GPAD; 3) gallons of leachate removed from the leachate storage tanks during the reporting period; and 4) a narrative describing any difficulties encountered in managing leachate during the reporting period.

b. A copy of the telephone logs required to be maintained under Special Condition 23;

c. A copy of the odor logs required by Special Condition 24(e).

37. Biennial Report. The City shall prepare and submit a compliance report for the ANSWERS Wasteshed SWMP every two years in accordance with Part 360-15.

38. Other reporting requirements.

a. The Permittee shall continue to prepare and submit to the Regional Engineer the reports required in the Order on Consent for closure of the Greater Albany Landfill (R4-0734-90-01).

b. The Permittee will report to the Department within 24 hours of any single event when the liquid flow rate in the secondary leachate collection and removal system exceeds 40 GPAD. In addition, the Permittee will report to the Department within 5 working days of any monthly recording period which has a flow rate in the secondary leachate collection and removal systems at the Landfill averaging greater than 20 GPAD, based upon a 30 calendar day rolling average.

Permits & Licenses

Permit	I.D. Number	Issuing Agency	Term
Hazardous Waste Permit	OHD066060609	US EPA	10 Year Permit
Hazardous Waste Permit	02-47-0431	Ohio EPA Solid & Hazardous Waste	10 Year Permit
Air Emissions Permit	0247020556	Ohio EPA Division of Air Pollution Control	Annual Renewal
Hazardous Waste Permit	117754-IX	P.U.C.O.	Annual Renewal
Storm Water – Ohio EPA NPDES General Permit	Storm Water Associated with Industrial Activity 3GR00058*BG	Ohio EPA	Until a Renewal General Permit is Issued & Ohio EPA Contacts Chemtron in Writing
PA Hazardous Waste Transporter Permit	PA-AH 0199	PA Dept. of Environmental Protection	8-31-07

OHIO ENVIRONMENTAL PROTECTION AGENCY

OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT RENEWAL

Permittee:	Chemtron Corp.		
Mailing Address:	Chemtron Corp. 35850 Schneider Court Avon, Ohio 44011	Ohio Permit No.:	02-47-0431
		US EPA ID:	OHD 066 060 609
Owner:	RJG Enterprises DBA Chemtron Corp. 35850 Schneider Court Avon, Ohio 44011	Issue Date:	December 31, 2003
Operator:	RJG Enterprises DBA Chemtron Corp. 35850 Schneider Court Avon, Ohio 44011	Effective Date:	December 31, 2003
		Expiration Date:	December 31, 2008
Location:	Chemtron Corp. 35850 Schneider Court Avon, Ohio 44011		

AUTHORIZED ACTIVITIES

In reference to the application of Chemtron Corp. for an Ohio Hazardous Waste Facility Installation and Operation Renewal Permit under Ohio Revised Code (ORC) Chapter 3734 and the record in this matter you are authorized to conduct at the above-named facility the following hazardous waste management activities:

treatment and storage of hazardous waste in containers and tanks.

PERMIT APPROVAL

Christopher Jones, Director
Ohio Environmental Protection Agency

31 DEC 03

This permit approval is based upon the record in this matter which is maintained at the offices of the Ohio Environmental Protection Agency. The Director has considered the application, accompanying information, inspection reports of the facility, a report regarding the facility's compliance or noncompliance with the terms and conditions of its permit and rules adopted by the Director under this chapter, and such other information as is relevant to the operation of the facility. The Director has determined that the facility under the existing permit has a history of compliance with ORC Chapter 3734, rules adopted under it, the existing permit, or orders entered to enforce such requirements that demonstrate sufficient reliability, expertise, and competency to operate the facility henceforth under this chapter, rules adopted under it, and the renewal permit.

Entered into the Journal of the Director this 31 day of DECEMBER, 2003.

By _____ of the Ohio Environmental Protection Agency

OhioEPA
State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Road
Twinsburg, OH 44087-1924

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

Bob Taft, Governor
Bruce Johnson, Lieutenant Governor
Joseph P. Koncelik, Director

August 10, 2005

RE: HAZARDOUS WASTE PERMIT
MODIFICATION
CLASS 1A APPROVAL
CHEMTRON CORPORATION
OHD 066 060 609 / 02 47 0431

Mr. Ron Guenther
Chemtron Corporation
35850 Schneider Ct
Avon, OH 44011

Dear Mr. Guenther:

Enclosed are the updated permit pages for Chemtron Corporation's recently approved class 1A permit modification:

Non-Appendix change to extend the duration of the Hazardous Waste Installation and Operation permit from 5 to 10 years as a result of House Bill 432. The expiration date will change from December 31, 2008 to December 31, 2013: 050725-1A-1

Please feel free to contact me at (330) 963-1170 if you have any questions.

Sincerely,

Edward D'Amato
Environmental Specialist

ED:ddw

Enclosure

cc: Marie Jarden, DHWM, CO
ec: Edward D'Amato, DHWM, NEDO
Frank Popotnik, DHWM, NEDO

OhioEPA
State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

12/9/2004

CHEMTRON CORP
RONALD DROZDOWSKI
35850 SCHNEIDER CT
AVON OH 44011

RE: Approval for coverage under Ohio EPA NPDES General Permit **OHR000003**
STORM WATER ASSOCIATED WITH **INDUSTRIAL STORMWATER**

Dear Discharger:

The Ohio Environmental Protection Agency has received a Notice of Intent for coverage under the above referenced general permit for:

CHEMTRON CORP
33565 PIN OAK PKWY

County: LORAIN
City: AVON LAKE
Township:

Ohio EPA Facility Permit Number: 3GR01004*AG

This site/facility is approved for coverage under the above referenced Ohio EPA general permit. Please use your Ohio EPA facility permit number in all future correspondence. Enclosed is a copy of the general permit regulating your discharge(s).

Please read and review the permit carefully. The permit contains requirements and prohibitions with which you must comply. Coverage remains in effect until a renewal general permit is issued and Ohio EPA has contacted you in writing about submitting a new NOI for continuing coverage.

If you have any further questions, you may contact:

John Morrison at (614) 644-2259 or email john.morrison@epa.state.oh.us
Anthony Robinson at (614) 728-3392 or email: anthony.robinson@epa.state.oh.us
Mike Joseph at (614) 752-0782 or email michael.joseph@epa.state.oh.us
Jason Fyffe at (614) 728-1793 or email jason.fyffe@epa.state.oh.us
Mark Mann at (614) 644-2023 or email mark.mann@epa.state.oh.us

You may obtain current information and forms from our web site at:
http://www.epa.state.oh.us/dsw/storm

Thank you for your cooperation in this matter.

Sincerely,

Christopher Jones
Director

cc: File

Bob Taft, Governor
Jennette Bradley, Lieutenant Governor
Christopher Jones, Director

Printed on Recycled Paper

Ohio EPA is an Equal Opportunity Employer

NPDES Permit No.: OHR000003
Effective Date: August 1, 2000
Expiration Date: July 31, 2005

OHIO ENVIRONMENTAL PROTECTION AGENCY

GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereafter referred to as "the Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Chapter 6111), discharges of storm water from industrial facilities, as defined in Part I.B of this permit, are authorized by the Ohio Environmental Protection Agency, hereafter referred to as "Ohio EPA", to discharge from the outfalls at the sites and to the receiving waters identified in the applicant's Notice of Intent (NOI) on file with Ohio EPA in accordance with the conditions specified in Parts I through IX of this permit.

Permit coverage is conditioned upon payment of applicable fees, submittal of a complete Notice of Intent, and written approval of coverage from the Director of Ohio EPA in accordance with Ohio Administrative Code Rule 3745-38-06.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA.

Christopher Jones
Director

APPENDIX J

WASTE TRANSPORTATION AND DISPOSAL DOCUMENTS

J.1 Asphalt Pavement
J.2 Tanks and Piping
J.3 Tank Wastes
J.4 Petroleum Contaminated Soil
J.5 Decontamination Water, and Well Development and Purge Water
J.6 Miscellaneous Chemical Product Containers
J.7 Manhole Sump Wastes

J.1 Asphalt Pavement

This Shipping Order must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper No. _____

Page 1 of 1

MC Environmental Services, Inc (Name of carrier) (SCAC)

Carrier No. SA-175

Date 9/28/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Pallette Stone
Street Route 29
City Saratoga Springs State NY Zip Code 12866

FROM:
Shipper City of Schenectady
Street 714 Broadway
City Schenectady State NY Zip Code 12305
24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 301

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		Pavement	15	Tons		

Smith #4102

PLACARDS TENDERED: YES ☐ NO ☒

Note – (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability, absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect.

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady
PER As Agent of, Matt Tolan C.T Mail Accounts

CARRIER MC Environmental Services, Inc
PER M. C.
DATE 9/28/05

2

Permanent post-office address of shipper

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F 260-3 LABELMASTER® (800) 621-5808 www.labelmaster.com

Pallette Stone Corporation
373 WASHINGTON ST. P.O. BOX 4550
SARATOGA SPRINGS, N.Y. 12866
Ph (518) 584-2475

Ticket 4167945

9/28/2005 12:26:07PM

Location: QUARRY

Carrier:
Vehicle:
Customer: 13101 MC Environmental Services Inc.
Order:

Product: WAR Waste Asphalt Received
Mix:
Freight: Pickup
Zone:
P.O.:
Deliver:

Comment:
Weighmaster: Jennifer L Smith
Received: Sign: _____

Print: _____

	Qty		Rate	Amount
Product	17.01	Ton		
Freight				
Tax (County)	SARA			
Fuel Surcharge				
Total			$	

	Pounds	Tons	Metric
Gross	63940	31.97	29.00
Tare	29920	14.96	13.57
Net	34020	17.01	15.43

	Today
Loads	1
Cumulative	17.01

J.2 Tanks and Piping

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper No. _____

Page 1 of 1

MC Environmental Services Inc.
(Name of carrier) (SCAC)

Carrier No. SA-175

Date 9/26/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee T.A. Predel & Co Inc.
Street 201 Edison Ave.
City Schenectady State NY Zip Code

FROM:
Shipper City of Schenectady
Street 714 Broadway ST.
City Schenectady State NY Zip Code

24 hr. Emergency Contact Tel. No. _____

Route

Vehicle Number 304

No. of Units & Container Type	HM	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
		1 - 1000 gal Steel UST (Tank #4)				
		Electrical piping				
		1 MC				

PLACARDS TENDERED: YES ☐ NO ☐

Note – (1) Where the rate is dependent on value, shippeers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____." (2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172. (3)Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady
PER As Agent of C.T.M.C.

CARRIER MCES
PER J Shaw
DATE 9/26/05

2

Permanent post-office address of shipper

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper No. _____

Page 1 of 1

MC Environmental Services, Inc.
(Name of carrier) (SCAC)

Carrier No. SA-175

Date 9/27/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee T. A. Predel & Co. Inc.
Street 201 Edison Ave
City Schenectady State NY Zip Code

FROM:
Shipper City of Schenectady
Street 714 Broadway
City Schenectady State NY Zip Code 12305
24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 304

No. of Units & Container Type	HM	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		3000 gallon UST & piping emptied & cleaned				

Invoice 2

PLACARDS TENDERED: YES ☐ NO ☐

Note – (1) Where the rate is dependent on value, shippeers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady
PER As Agent of Public Works C.T. Male

CARRIER MC Environmental Services Inc
PER Mr. Cust
DATE 9/27/05

2

Permanent post-office address of shipper

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper No. _____

Page 1 of 1

MC Environmental Services, Inc.
(Name of carrier) (SCAC)

Carrier No. SA-175

Date 9/27/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee T.A. Predel & Co. Inc.
Street 201 Edison Ave
City Schenectady State NY Zip Code 12305

FROM:
Shipper City of Schenectady
Street 714 Broadway
City Schenectady State NY Zip Code 12305
24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 304

No. of Units & Container Type	HM	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		3000 Gallon UST & Piping (2nd 3000g. UST) (Tank #1)				

PLACARDS TENDERED: YES ☐ NO ☒

Note – (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3)Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady
PER As Agent of, Matt Thorn C.T. Male Associates

CARRIER MC Environmental Services, Inc.
PER _____
DATE 9/27/05

2

Permanent post-office address of shipper

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper No. _____

Page 1 of 1

MC Environmental Services Inc.

(Name of carrier) (SCAC)

Carrier No. SA-175

Date 9/27/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee T.A. Riedel & Co. Inc.
Street 201 Edison Ave
City Schenectady State NY Zip Code

FROM:
Shipper City of Schenectady
Street 714 Broadway
City Schenectady State NY Zip Code
24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 304

No. of Units & Container Type	HM	BASIC DESCRIPTON Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1		3000g. UST & Piping #3 (Tank 2)				
1		275g. AGT & Piping (Tank 3)				

PLACARDS TENDERED: YES ☐ NO ☑

Note – (1) Where the rate is dependent on value, shippeers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady
PER As agent of, [signature] C.T. Male Associates

CARRIER MC Environmental Services Inc
PER [signature]
DATE 9/27/05

Permanent post-office address of shipper

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

Phone: 518-346-3445
Fax: 518-346-5393

T. A. PREDEL & CO., INC.

DEALERS IN WASTE MATERIALS
PAPER - HYGRADES - IRON - METALS

RECYCLING CENTER

201 Edison Ave. **Schenectady, N. Y. 12301**

ID# 7002768

Customer's Order No. _____ Phone No. _____ Date 9-2705

Name _____

Address _____

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT	

QUAN.	DESCRIPTION	PRICE	AMOUNT	
3020	U P I			
		Tax		
		Total		

Thank You!

ALL claims and returned goods MUST be accompanied by this bill.

050435 Rec'd by _____

NATIONAL ASSOCIATION SUPPLY COOP., INC. NEW PHILADELPHIA, OH 199501-BS

Phone: 518-346-3445
Fax: 518-346-5393

T. A. PREDEL & CO., INC.

DEALERS IN WASTE MATERIALS
PAPER - HYGRADES - IRON - METALS

RECYCLING CENTER

201 Edison Ave. Schenectady, N. Y. 12301

ID# 7002768

Customer's Order No. _____ Phone No. _____ Date 9-2705

Name _____

Address _____

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT	

QUAN.	DESCRIPTION	PRICE	AMOUNT	
1640	U P I			
		Tax		
		Total		

Thank You!

ALL claims and returned goods MUST be accompanied by this bill.

050391 Rec'd by _____

NATIONAL ASSOCIATION SUPPLY COOP., INC. NEW PHILADELPHIA, OH 199501-BS

T. A. PREDEL & CO., INC.

DEALERS IN WASTE MATERIALS
PAPER - HYGRADES - IRON - METALS

RECYCLING CENTER

201 Edison Ave. Schenectady, N. Y. 12301

ID# 7002768

Customer's Order No. _____ Phone No. _____ Date 9-2705

Name _____

Address _____

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT	

QUAN.	DESCRIPTION	PRICE	AMOUNT	
3260	U P I			
		Tax		
		Total		

Thank You!

ALL claims and returned goods MUST be accompanied by this bill.

050557 Rec'd by _____

T. A. PREDEL & CO., INC.

DEALERS IN WASTE MATERIALS
PAPER - HYGRADES - IRON - METALS

RECYCLING CENTER

201 Edison Ave. Schenectady, N. Y. 12301

ID# 7002768

Customer's Order No. _____ Phone No. _____ Date 9-2705

Name _____

Address _____

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RET'D	PAID OUT	

QUAN.	DESCRIPTION	PRICE	AMOUNT	
3040	U P I			
		Tax		
		Total		

Thank You!

ALL claims and returned goods MUST be accompanied by this bill.

J.3 Tank Wastes

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. _____

Carrier No. 5A-175

Page 12 of 1

MC Environmental Services, Inc. (Name of carrier) (SCAC)

Date 9/27/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:

Consignee Norlite Corporation

Street ~~628 South Saratoga Rd.~~

City ~~Cohoes~~ State NY Zip Code 12047

FROM:

Shipper City of Schenectady

Street 714 Broadway

City Schenectady State NY Zip Code 12305

24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 051

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
~~1 TT~~		Gasoline and Water Mixture	742 gallons			
		3 UN1203 PG II				
		Profile # 0229-5W				

PLACARDS TENDERED: YES ☒ **NO** ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

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 labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER _____ 9/27/05

PER City of Schenectady

CARRIER MC Environmental Services, Inc.

PER J Shaw

DATE 9/27/05

3

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No. 5A-175

Page 1 of 1

~~MC Environmental Services, Inc.~~ (Name of carrier) (SCAC)

Date 9/27/05

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Norlite Corporation
Street 628 South Saratoga Rd.
City Cohoes State NY Zip Code 12047

FROM:
Shipper City of Schenectady
Street 714 Broadway
City Schenectady State NY Zip Code 12305
24 hr. Emergency Contact Tel. No. (800) 451-8984

Route Best Way

Vehicle Number 051

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1TT		Gasoline and Water Mixture	742 gallons			
		3 UN1203 PG II				
		Profile # 0229-SN	Rec'd 671 gals 5180 lbs sp. gr. 0.97 lb/ml			
		SAN218842				

PLACARDS TENDERED: YES ☒ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____." Where the applicable tariff provisions specify a limitation of the carrier's liability absent release or a value declaration by the shipper and the shipper does not release carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172. Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of Contract Terms and Conditions for a list of such articles.

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 labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES — FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER _____ 9/27/05

PER City of Schenectady

CARRIER MC Environmental Services, Inc.

PER J Shaw

DATE 9/27/05

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

NORLITE CORPORATION

CERTIFICATE OF DESTRUCTION
NYD 080 469 935

This document certifies that Norlite has accepted custody of the waste stream and shipment referenced below. This waste stream has been managed under our custody utilizing Federal and New York State approved RCRA Thermal Treatment Technology.

GENERATOR: CITY OF SCHENECTADY
MANIFEST: BOL 09/27/05
APPROVAL CODE: 0229-5N

Prince M. Knight III

03/17/06
Date Issued

WASTE ANALYSIS SHEET

Sample ID# : 03-19936

Date Analyzed: 28 Sep 2005
Analyst Init : JP
Data Entry : AA

Weight Ticket #: 92085
Date on Site : 28 Sep 2005
Date Accepted : 27 Sep 2005
Date off Site : 28 Sep 2005
TimeIn: 7:32 TimeOut: 10:37
Gross: 32460 Tare: 26980

Norlite Corp.
628 S.Saratoga St
Cohoes, NY 12047

ELAP # 11526
NELAP ACCREDITED

Generator: MC ENVIRONMENTAL
Profile #: 0229-5N
Manifest#: BOL
Document#:
Man.Gal. : 742
Man.Lbs. : 6058
EPA ID# :

Waste Oil : Y (Y/N)
ALR waste : N (Y/N)
Haz/Non-Haz: N (H/N)
Drums : N (Y/N)—>

Count :
Gall. :
Lbs : 0

Manifest Comments:
:

WASTE CODES

ANALYTICAL INFORMATION

Metals(PPM) Method SW-846 3050/6010

Element	Limit	
S : 77.21	N/A	%ASH : 0.20
As: 0.05	9.1	PCB's: <2
Be: 0.01	0.86	Other:
Cd: 0.01	20.0	Flash: >150F
Cr: 0.92	441.0	
Cu: 4.43	400.0	
Pb: 0.02	282.8	
Ba: 8.54	147.0	
Hg: 0.10	0.75	
Ni: 0.02	100.0	
Sb: 0.02	23.8	
Se: 0.04	24.0	
Ag: 4.32	14.6	
Tl: 0.04	43.3	
Zn: 23.02	600.0	DCS : 41.79

Smpl gms : 0.8015 Sp.Grv: 0.979 g/ml
AgNO3 Fct=0.9998 BTU/# : 100
AgNO3 mls: 0.0 Compat.Ox: - Perox:-

BS&W (%)
Organic : Water:
Sediment: Rag :

Comments:

Tank : R2

Analytical Summary

Sp.Gravity : 0.979 Rec.Gal: 671
BTU/# : 100 Rec.Lbs: 5480
%Halogens : 0.05 Rec.Ton: 2.74
(0.05 Det.Limit) % Disc.: 9.57

Released_____

NON-HAZARDOUS WASTE MANIFEST

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

NHwma0001

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Document No. 00001	2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address: City of Schenectady, 105 Jay Street, Schenectady NY. 12305 — 714 Broadway, Schenectady, NY.

4. Generator's Phone (518) 382-5082

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID 27154AC NY
MC Environmental Services, Inc.	NYR000021071	B. Transporter 1 Phone (518) 747-3050
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID CTV55579
United Industrial Services	CTD021816889	D. Transporter 2 Phone 203 2386745

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
Bridgeport United Recycling, 50 Cross Street, Bridgeport, CT. 06610	CTD002593889	F. Facility's Phone (800) 404-4408

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Connecticut Regulated Waste None None	2	DM	1000	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: Gasoline & Fuel Oil, Tank Bottoms, Profile #2347GTBN3

H. Handling Codes for Wastes Listed Above: S01

15. Special Handling Instructions and Additional Information: SAN21883

NON-HAZARDOUS WASTE

TRANSPORTER

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Bernard Stroni		9 27 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Thomas Reed	Thomas Reed	9 27 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Darrell Saul	Darrell Saul	11 01 05

FACILITY

19. Discrepancy Indication Space: 3rd Trans?

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Deborah Duquette for Bernard Stroni	Deborah Duquette by Bernard Stroni	10 31 05

Certificate of Disposal

This is to certify that materials from City of Schenectady on non –hazardous waste manifest number NHWM00001 were received at Bridgeport United Recycling. The materials were treated at our facility at 50 Cross Street, Bridgeport Connecticut. The petroleum and/or solid phase were blended with other materials and burned for its thermal value. The aqueous phase was treated by ultrafiltration, chemical precipitation and carbon absorption.

If you have any questions or would like to visit our facility, please feel free to contact us at (203) 238-6745. Thank you for choosing United Oil Recovery, Inc. and Bridgeport United Recycling for your treatment and recovery needs.

March 17, 2006
Date

William Morris
Environmental Director

J.4 Petroleum Contaminated Soil

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243018	P4 I	BRENDA

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/03/05	10/03/05	09:56	10:11	7008	

REFERENCE	ORIGIN
2474-301	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	74740	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	29780	LB	
Net Weight	44960	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
22.48	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

LOT # 2474

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243000	P4 I	BRENDA

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/03/05	10/03/05	09:14	09:38	7004	

REFERENCE	ORIGIN
2474-000	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	87040	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	30240	LB	
Net Weight	56800	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
28.40	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

LOT # 2474

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address:
City of Schenectady - Dept of Engr. & Public Works
City Hall - Room 205 105 Jay St. Schenectady, NY 12305

4. Generator's Phone (518) 382-5082

City of Schenectady
714 Broadway
Schenectady, NY

5. Transporter 1 Company Name: MC Environmental Services, Inc.

6. US EPA ID Number: NY2000021071

A. State Transporter's ID: 12194-PA

B. Transporter 1 Phone: (518) 747-3050

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address:
City of Albany
525 Rapp Rd
Albany, NY 12205

10. US EPA ID Number:

E. State Facility's ID:

F. Facility's Phone: (518) 869-3651

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Soil None None	1	DT	22.48	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Lot #2474

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bernard Sisson

Signature:

Date: Month 10 Day 3 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Thomas Reed

Signature: Thomas Reed

Date: Month 10 Day 3 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name:

Signature:

Date: Month Day Year

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 1030501

2. Page 1 of 1

3. Generator's Name and Mailing Address
City of Schenectady - Dept. of Engr. & Public Works
City Hall - Room 205 105 Jay St. Schenectady, NY 12305

City of Schenectady
714 Broadway
Schenectady, NY

4. Generator's Phone (518) 382-5082

5. Transporter 1 Company Name: MC Environmental Services Inc.

6. US EPA ID Number: NYR000021071

A. State Transporter's ID: AK82972

B. Transporter 1 Phone: (518) 747-3050

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Albany Landfill
523 Rapp Rd.
Albany, NY 12205

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: (518) 869-3651

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Soil None None	1	DT	28.40	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Lot #2474

NON-HAZARDOUS WASTE

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bernard Sisson

Signature

Date: Month 10 Day 3 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: L Sweet

Signature: L Sweet

Date: Month 10 Day 3 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER PRINTED WITH SOYBEAN INK

Rev. 3/95

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243060	P4 I	BRENDA

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/03/05	10/03/05	11:56	12:11	7002	

REFERENCE	ORIGIN
2474-000	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	91660	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	30180	LB	
Net Weight	61480	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.74	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

LOT # 2474

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243107	P4 I	teia Smith

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/03/05	10/03/05	14:26	14:47	7002	

REFERENCE	ORIGIN
2474-MCES	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	95200	LB	Inbound - Charge ticket
Scale 2 Tare Wt.	30160	LB	
Net Weight	65040	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
32.52	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

LOT # 2474-MCES

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 130503

2. Page 1 of 1

3. Generator's Name and Mailing Address
City of Schenectady - Dept. of Engr. & Public Works
City Hall - Room 205 105 Jay St. Schenectady, NY. 12305

4. Generator's Phone (518) 382-5082

City of Schenectady
719 Broadway
Schenectady NY

5. Transporter 1 Company Name: NC Environmental Services, Inc

6. US EPA ID Number: NYR000021071

A. State Transporter's ID #32872

B. Transporter 1 Phone (518) 947-3050

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Albany Landfill
525 Rapp Rd.
Albany, NY 12205

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (518) 869-3651

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Soil None None	1	DT	30.74	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Lot 2474

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bernard Sisson

Signature

Date: Month 10 Day 3 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: L Sweet

Signature

Date: Month 10 Day 3 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N/A

Manifest Document No. 103509

2. Page 1 of 1

3. Generator's Name and Mailing Address
City of Schenectady - Dept of Engr. & Public Works
City Hall - Room 205 105 Jay Street Schenectady NY 12305

4. Generator's Phone (518) 382-5082

City of Schenectady
714 Broadway
Schenectady, NY

5. Transporter 1 Company Name: MC Environmental Services, Inc

6. US EPA ID Number: NYR000021071

A. State Transporter's ID: AT3 2872

B. Transporter 1 Phone (518) 747-3050

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Albany Landfill
525 Rapp Rd.
Albany, NY

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (518) 869-3651

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Soil NONE NONE	1	DT	325	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Lot # 2474

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bernard Sisson

Signature

Date: Month 10 Day 3 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: L. Sweet

Signature

Date: Month 10 Day 3 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date: Month Day Year

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER USING SOYBEAN INK. PRINTED WITH SOY INK

Rev. 3/95

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243161	P4 I	BRENDA

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/04/05	10/04/05	09:26	09:50	7001	

REFERENCE	ORIGIN
2474-000	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	82500	LB
Scale 2 Tare Wt.	30340	LB
Net Weight	52160	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
26.08	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

LOT # 2474

SIGNATURE _____

CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

SITE	TICKET	GRID	WEIGHMASTER
02	243132	P4 I	BRENDA

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/04/05	10/04/05	07:37	07:54	7003	

REFERENCE	ORIGIN
2474-301	

006066 MC Environmental
22 Hudson Falls Road
South Glenns Falls NY 12803

Scale 1 Gross Wt.	78680	LB
Scale 2 Tare Wt.	29700	LB
Net Weight	48980	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
24.49	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday
THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT AGREEMENT

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

LOT # 2474

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 1040501

2. Page 1 of 1

3. Generator's Name and Mailing Address
City of Schenectady - Dept of Engr & Public Works
City Hall - Room 205 105 Jay St. Schenectady, NY 12305

4. Generator's Phone (518) 382-5082

City of Schenectady
714 Broadway
Schenectady, NY 12305

5. Transporter 1 Company Name: MC Environmental Services, Inc.

6. US EPA ID Number: NYR000021071

A. State Transporter's ID: AT32872

B. Transporter 1 Phone: 518-747-3050

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address
City of Albany Landfill
525 Rapp Rd.
Albany, NY 12205

10. US EPA ID Number:

E. State Facility's ID:

F. Facility's Phone: 518-869-3651

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Petroleum Contaminated Soil None None	1	CY	26.08	
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Lot # 2474

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: BERNARD SISSON
Signature:
Date: Month 10 Day 4 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: L. Sweet
Signature:
Date: Month 10 Day 4 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com
PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

Rev. 3/95

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 1030505

2. Page 1 of 1

3. Generator's Name and Mailing Address:
City of Schenectady
City Hall - Room 205 105 Jay Street
Schenectady, NY 12305

4. Generator's Phone (518) 382-5082

City of Schenectady
714 Broadway
Schenectady, NY

5. Transporter 1 Company Name: MC Environmental Services, Inc.

6. US EPA ID Number: NYR000021071

A. State Transporter's ID: 12194-FA

B. Transporter 1 Phone: (518) 747-3050

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address:
City of Albany Landfill
525 Rapp Rd.
Albany, NY 12205

10. US EPA ID Number:

E. State Facility's ID:

F. Facility's Phone: (518) 869-3651

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Soil None None	1	DT	24.49	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Lot #2474

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bernard Sisson

Signature:

Date: Month 10 Day 3 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Thomas Reed 24.49 Tons

Signature: Thomas Reed

Date: Month 10 Day 3 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name:

Signature:

Date: Month Day Year

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

Rev. 3/95

J.5 Decontamination Water, and Well Development and Purge Water

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. _____

Carrier No. 5A-175

Page 1 of 1

MC Environmental Services, Inc.
(Name of carrier) (SCAC)

Date ~~2-5-06~~ 2/7/06

2/7/06

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Norlite Corporation

Street 628 Saratoga St.

City Cohoes State NY Zip Code 12047

FROM:
Shipper City of Schenectady

Street 714 Broadway

City Schenectady State NY Zip Code 12305

24 hr. Emergency Contact Tel. No. 800-451-8984

Route Best Way

Vehicle Number 304

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DM		Gasoline and Water Mixture	55 gal.			
		3 UN1203 PG II				
		Profile #: 0013-6N				
		SANZ18995				

PLACARDS TENDERED: YES ☒ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360; Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

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 labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady

PER _____ 2/07/06

BERNARD SISSON

Permanent post-office address of shipper.

CARRIER MC Environmental Services, Inc.

PER _____

DATE 2/7/06

3

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK

STYLE F360-3 ©2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No. 5A-175

Page 1 of 1

MC Environmental Services, Inc.
(Name of carrier) (SCAC)

Date ~~2-6-06~~ 2/7/06

2/7/06

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item #30, Sec.1.

TO:
Consignee Norlite Corporation

Street 628 Saratoga St.

City Cohoes State NY Zip Code 12047

FROM:
Shipper City of Schenectady

Street 714 Broadway

City Schenectady State NY Zip Code 12305

24 hr. Emergency Contact Tel. No. 800-451-8984

Vehicle Number 304

Route Best Way

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group UN or NA Number, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DM		Gasoline and Water Mixture	55 gal.			
		3 UN1203 PG II				
		Profile #: 0013-6N				
		SAN219995				

Andrew Sanders 2-7-06

PLACARDS TENDERED: YES ☒ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

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.

_____ Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt: $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID Check box if charges are to be collected
except when box at right is checked ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER City of Schenectady

PER _____ 2/07/06

Bernard Sisson

CARRIER MC Environmental Services, Inc.

PER _____

DATE 2/7/06

1

Permanent post-office address of shipper.

PRINTED ON RECYCLED PAPER USING SOYBEAN INK

STYLE F350-3 © 2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

NORLITE CORPORATION

CERTIFICATE OF DESTRUCTION
NYD 080 469 935

This document certifies that Norlite has accepted custody of the waste stream and shipment referenced below. This waste stream has been managed under our custody utilizing Federal and New York State approved RCRA Thermal Treatment Technology.

GENERATOR: MC ENVIRONMENTAL
MANIFEST: BOL
APPROVAL CODE: 0013-6N

Jon-Alan Minehardt

03/03/06
Date Issued

J.6 Miscellaneous Chemical Product Containers

NYG 5344299

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

MAR 0 1 2006

Please type or print. Do not staple

Hazardous Waste Manifest 1/23/03)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
	CESQG-EXEMPT	AA 299	2	

GENERATOR

3. Generator's Name and Mailing Address
The City of Schenectady City Hall Rm 205
105 Jay Street Schenectady, NY 12305
4. Generator's Telephone Number (518) 382-5082 Attn: Bernard Sisson

A. NYG 5344299
B. Generator's ID 714 Broadway Schenectady, NY 12305
C. State Transporter's ID 6.9611PA-NY
D. Transporter's Telephone (518) 272-6891
E. State Transporter's ID
F. Transporter's Telephone ( )
G. State Facility ID
H. Facility Telephone (440) 937-5950

5. Transporter 1 (Company Name): West Central Environmental
6. US EPA ID Number: NYD000708271
7. Transporter 2 (Company Name):
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemtron Corp. 35850 Schneider Court Avon, OH 44011
10. US EPA ID Number: OHD066060609

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Flammable Liquid, N.O.S. (See Packing List) 3 UN1993 PGII (D001) ERG128	001	DM	00100	P	EPA D001, D035 / STATE
b. Waste Pesticides, Solid, Toxic, N.O.S. (See Packing List) 6.1 UN2588 PGII ERG151	001	DF	00016	P	EPA D008, D043 / STATE
c. Waste Aerosols, Flammable, N.O.S. (See Packing List) 2.1 UN1950 ERG126	001	DF	00001	P	EPA D001 / STATE
d. Asbestos 9 NA2212 PGIII ERG171	001	DF	00025	P	EPA None / STATE

J. Additional Descriptions for Materials listed Above
a. 714B-2 Q20060110A29
b. 714B-3 Q20060110A30
c. 714B-5 Q20060110A32
d. 714B-4 Q20060110A31

K. Handling Codes for Wastes Listed Above
a. B
b. T
c. B
d.

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: 518 382-5082
11.a.-d. = Lab Pack
WCE Job #: 3A060-12-05 CI #:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
BERNARD SISSON		02	07	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
STEPHEN G. KARANDY		02	07	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year
Matthew Scott		02	14	06

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 5—Generator—Mailed by TSD Facility

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

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator's US EPA ID No. | Manifest Document No.: CESOG-EXEMPT | 44299

22. Page: 2 of 2

Information in the shaded areas is not required by Federal law.

23. Generator's Name: The City of Schenectady City Hall Rm 205
105 Jay Street Schenectady, NY 12305 Attn: Bernard Sisson

L. State Manifest Document Number: NYG5344299

M. State Generator's ID: 714 Broadway Schenectady, NY

24. Transporter ___ Company Name | 25. US EPA ID Number

N. State Transporter's ID: 69691 DAN Y

O. Transporter's Phone

26. Transporter ___ Company Name | 27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

	28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	Aerosols, Poison, N.O.S. V20060214A50 (See Packing List) 2.2 UN1950 ERG126	X	001	DF	00001	P	None
b.	USDOT NON-REGULATED MATERIAL NON-HAZARDOUS LIQUID A51		001	DM	00141	P	None
c.	USDOT NON-REGULATED MATERIAL NON-HAZARDOUS GREASE A52		001	DM	00060	P	None
d.							
e.							
f.							
g.							
h.							
i.							

GENERATOR

S. Additional Descriptions for Materials Listed Above
28.a. 714B-6 Chemtron Approval: Q20060110A33
28.b. 714B-1 Chemtron Approval: Q20060110A26
28.c. Grease Chemtron Approval: Q20060111A29
28.a, b = LAB PACK

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter ___ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

34. Transporter ___ Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date (Month Day Year)

FACILITY

35. Discrepancy Indication Space

CHEMTRON CORPORATION
35850 Schneider Court – Avon, OH 44011
Phone: (440) 937-6348
Fax: (440) 937-6845 or (440) 937-1038
24 Hr. ER: (440) 937-5950
EPA ID #: OHD066060609

Q

☐ TCLP (If available, please attach to profile)
☐ Generator's Knowledge
Sales Rep: _____

GENERATOR INFORMATION:

MAILING 105 JAY ST SCHENECTADY NY 123

Company Name: CITY OF SCHENECTADY
Contact Person & Title: CITY OF SCHENECTADY BERNARD SISSON, CITY ENGINEER
Address: 714 BROADWAY, SCHENECTADY NY – 12305
Phone: 518-382-5082 Fax: 518-382-1050
EPA ID#: EXEMPT 526 Email Address: _____

BILLING INFORMATION:

Company Name: West Central Environmental Corp. ☐ SAME AS ABOVE
Contact Person & Title: Joseph. D. Murphy, Vice President
Address: P.O. Box 83, Rensselaer, NY 12144
Phone: (518) 272-6891 Fax: (518) 272-0108
Email Address: jdmurphy@wcecorp.com

WASTE INFORMATION:

Generator's Common Name: LAB PACKS
EPA Hazardous Waste # (s): _____
DOT Shipping Description: _____
DOT Hazard Class: _____ P.G.: I II III UN/NA#: _____
Process Generating Waste: _____

Quantity: _____ Units: _____ Shipped Per: _____

Are there smaller containers inside larger containers WITHOUT absorbant ?(Loose Pack)? ☐Y ☒N
Are there smaller containers inside larger containers WITH absorbant ?(Lab Pack)? ☒Y ☐N

CHEMICAL COMPOSITION:

Please list **COMPLETE CHEMICAL COMPOSITION.**
In addition, please indicate whether each constituent listed is a Toxic Chemical as defined in the Toxic Chemical Release Inventory (Form R).

Form R		Constituents	Range
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		

LAB PACKS

Source Code: _____ Form Code: _____ System Code: _____

Does this waste meet the definition of a Hazardous Waste per 40 CFR 261?			
F Listed: ☐Y ☐N	K Listed: ☐Y ☐N	P Listed: ☐Y ☐N	U Listed: ☐Y ☐N

Physical state at 70 °F:
- ☐ Liquid
- ☐ Sludge
- ☐ Semisolid
- ☐ Solid Without Free Liquid
- ☐ Powder
- ☐ Monolithic Solid
- ☐ Liquid/Solid Mixture

% Free Liquid _____
% Settled Solids _____
% Total Suspended Solids _____
- ☐ Aerosol
- ☐ Other (describe)_____

Number of Phases/Layers
☐ 1 ☐ 2 ☐ 3 ☐ ≥ 4
% By Volume (Approx.)
Top____Middle____Bottom____

Odor
☐ None ☐ Mild ☐ Strong
Describe:_____

Color

pH
- ☐ ≤ 2
- ☐ 2.1 – 6.9
- ☐ 7 (Neutral)
- ☐ 7.1 – 12.4
- ☐ ≥12.5
- ☐ N/A (Organic)
- ☐ Other/Exact _____

Flash Point (°F)
- ☐ ≤ 140
- ☐ 140.1 – 200
- ☐ > 200

EXACT: _____

Specific Gravity
- ☐ ≤ 0.8 (e.g. Gasoline)
- ☐ 0.8 – 1.0 (e.g. Ethanol)
- ☐ 1.0 (e.g. Water)
- ☐ 1.0 – 1.2 (e.g. Antifreeze)
- ☐ ≥ 1.2 (e.g. Methylene Chloride)
- ☐ N/A (Solid)

BTU / lb
- ☐ < 2000
- ☐ 2000 - 5000
- ☐ 5000 - 10000
- ☐ > 10000

Other Characteristics

Explosive	Shock Sensitive	Water Reactive	Pyrophoric
☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N

Halogens as Chlorine _____ ☐% ☐ppm	Fluorine _____ ☐% ☐ppm	Sulfur _____ ☐% ☐ppm
Isocyanates _____ ☐% ☐ppm	Cyanide _____ ☐% ☐ppm	Sulfide _____ ☐% ☐ppm

EPA HW#	Contaminant	Reg. Level		
D001	Ignitable	< 140 F; Oxidizer	☐Y ☐N	
D002	Corrosive	pH≤2	☐Y ☐N	
D002	Corrosive	pH≥12.5	☐Y ☐N	
D003	Reactive (see "D003- RCRA REACTIVITY" note @ bottom of this sheet)			
	METAL CHARACTERISTICS:	**Reg. Level mg/kg**	**<**	**≥**
D004	Arsenic	5.0	☐	☐
D005	Barium	100.0	☐	☐
D006	Cadmium	1.0	☐	☐
D007	Chromium	5.0	☐	☐
D008	Lead	5.0	☐	☐
D009	Mercury	<0.2☐ 0.2-259	☐	≥260☐
D010	Selenium	1.0	☐	☐
D011	Silver	5.0	☐	☐
	ORGANIC CHARACTERISTICS:			
D012	Endrin	0.02	☐	☐
D013	Lindane	0.4	☐	☐
D014	Methoxychlor	10.0	☐	☐
D015	Toxaphene	0.5	☐	☐
D016	2,4-Dichlorophenoxyacetic Acid	10.0	☐	☐
D017	2, 4, 5-TP-(Silvex)	1.0	☐	☐
D018	Benzene	0.5	☐	☐
D019	Carbon Tetrachloride	0.5	☐	☐
D020	Chlordane	0.03	☐	☐
D021	Chlorobenzene	100.0	☐	☐
D022	Chloroform	6.0	☐	☐
D023	o-Cresol	200.0	☐	☐
D024	m-Cresol	200.0	☐	☐
D025	p-Cresol	200.0	☐	☐
D026	Cresol	200.0	☐	☐
D027	1, 4-Dichlorobenzene	7.5	☐	☐
D028	1, 2-Dichloroethane	0.5	☐	☐
D029	1, 1-Dichloroethylene	0.7	☐	☐
D030	2, 4-Dinitrotoluene	0.13	☐	☐
D031	Heptachlor	0.008	☐	☐
D032	Hexachlorobenzene	0.13	☐	☐
D033	Hexachlorobutadiene	0.5	☐	☐
D034	Hexachloroethane	3.0	☐	☐
D035	Methyl Ethyl Ketone	200.0	☐	☐
D036	Nitrobenzene	2.0	☐	☐
D037	Pentachlorophenol	100.0	☐	☐
D038	Pyridine	5.0	☐	☐
D039	Tetrachloroethylene	0.7	☐	☐
D040	Trichloroethylene	0.5	☐	☐
D041	2, 4, 5-Trichlorophenol	400.0	☐	☐
D042	2, 4, 6-Trichlorophenol	2.0	☐	☐
D043	Vinyl Chloride	0.2	☐	☐
	Beryllium			
	Aluminum (metallic)			
	Magnesium (metallic)			

Concentration

CHEMTRON USE ONLY

Approval Notes:_____

Account Number:_____
Price Code:_____

Approval Code: **Liquid:**_____
Sludge:_____
Solid:_____

Pricing:_____

Profile Notes:_____

DOES THE WASTE CONTAIN ANY OF THE FOLLOWING: Halogenated Aromatics (PCB, PBB); Aromatic Amines; Urea; Thiorea, Cyclic Nitrogen (e.g. Pyridine, Quinones, Phosphorus Compounds, Polycyclic Organics; Asbestos; Radioactive Material); Biological Materials; Infectious Agents; Phenols: ☐ YES ☒ NO **(If yes, attach detailed explanation.)**

D003 - RCRA REACTIVITY: Does the waste meet the definition/characteristics of a D003-RCRA reactive waste, as defined in 40 CFR 261.23 (Ohio Administrative Code 3745-51-23)? ☐ YES ☒ NO **(If yes, attach detailed explanation)**

IF THE WASTE CONTAINS USED OIL: Has the used oil been mixed with halogenated hazardous waste listed in 40 CFR 261.30 through 261.35 (Ohio Administrative Code 3745-51-30 through 3745-51-35)? ☐ YES ☒ NO **(If yes, attach detailed explanation)**

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based upon my inquiry of those immediately responsible for this information, I believe the submitted information is true, accurate and complete to the best of my knowledge and that all known and suspected hazards have been disclosed in accordance with 40CFR 261.

Signature _____ Title CITY ENGINEER Date 1/4/06

Rev. 9/2003

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: RQ WASTE FLAMMABLE LIQUID NOC

MANIFEST # _____ HAZARD CLASS 3 UN/NA # 1993

MANIFEST LINE # _____ PACKING GROUP II ERG # 128

STREAM # _____ PRIMARY LABELS 3

CONTAINER # 714B-2 SUBSIDIARY LABELS _____

CONTAINER SIZE 30 gal Q20060110A29

CONTAINER TYPE 1A2

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	OILBASED PAINT	L	5	1 gal	D001 D039
	Paint Thinner (Petro Distillates)	L	1	1 gal	D001
	Linseed oil	L	1	1 gal	D001
	Deck Urethane	L	1	PT	D001
	Semi Gloss enamel Paint	L	1	PT	D001
	Sandban Surface Prep (Petro Distillate)	L	1	PT	D001
	Silicone Sealer (Contains Mineral Spirits)	L	1	PT	D001
	Thinner / Cleaner (Petro Dist)	L	1	QT	D001
	Silicone sealers	L	2	4oz	D001
	Varnish Stain	L	1	1/2PT	D001
	Windshield sealer (Klean)	L	1	1/2PT	NONE
	Quick dry Enamel	L	1	1/2PT	~~D001~~ D001
	Supergloss ENAMEL	L	1	~~1/2PT~~	~~D001~~ D001
	Epoxy Adhesive	L	1	PT	D001

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 Broadway SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: Waste Pesticides, solid, toxic, NOS

MANIFEST # _____ HAZARD CLASS 6.1 UN/NA # ~~2588~~ 2588

MANIFEST LINE # _____ PACKING GROUP II ERG # 151

STREAM # _____ PRIMARY LABELS 6.1

CONTAINER # 714B-3 SUBSIDIARY LABELS _____

CONTAINER SIZE 5GAL Q20060110A30

CONTAINER TYPE 1H2

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	WHITE LEAD COMPOUND	S	1	5lb	~~D008~~
	DECON (WARFARIN)	S	2	2lb	U248 D008
	Preen (dinoseb-d-tolidine)	S	1	2lb	none
	OrthoRosetFlower (Disulfotonphosphorodithioate)	S	1	5lb	none

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 Broadway SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: WASTE AEROSOLS, FLAMMABLE NOS

MANIFEST # _____ HAZARD CLASS 2.1 UN/NA # 1950

MANIFEST LINE # _____ PACKING GROUP / ERG # 126

STREAM # _____ PRIMARY LABELS 2.1

CONTAINER # ~~[redacted]~~ 7413-5 SUBSIDIARY LABELS _____

CONTAINER SIZE 5.4

CONTAINER TYPE HZ

Q20060110A32

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	Spray Paint (MATIC)	A	1	13 oz	D001
	Spray Paint (Pressurized Finish)	A	1	10 oz	D001

PACKING LIST

DATE: 12/22/05 PAGE ___ of ___

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: ASBESTOS

MANIFEST # _____ HAZARD CLASS 9 UN/NA # 2212

MANIFEST LINE # _____ PACKING GROUP III ERG # 171

STREAM # _____ PRIMARY LABELS 9

CONTAINER # 714B-4 SUBSIDIARY LABELS ASBESTOS

CONTAINER SIZE 5 gal Q20060110A31

CONTAINER TYPE 1H2

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	ASBESTOS CEMENT	S/S	1	5lb	None

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: AEROSOLS, POISON NOS

MANIFEST # _____ HAZARD CLASS 2.2 UN/NA # 1950

MANIFEST LINE # _____ PACKING GROUP NA ERG # 126

STREAM # _____ PRIMARY LABELS 2.2

CONTAINER # 714 B-6 SUBSIDIARY LABELS _____

CONTAINER SIZE 5 GL

CONTAINER TYPE HDPE

Q20060110A33

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	OFF BUG SPRAY (TOLUAMIDE)	A	1	12 OZ	NONE

PACKING LIST

DATE: 12/22/05 PAGE 1 of 1

GENERATOR NAME: 714 BROADWAY SCHENECTADY, NY

EPA ID # EXEMPT SQG

PROPER SHIPPING NAME: USDOT NON REGULATED

MANIFEST # _____ HAZARD CLASS _____ UN/NA# _____

MANIFEST LINE # _____ PACKING GROUP _____ ERG # _____

STREAM # _____ PRIMARY LABELS _____

CONTAINER # 714B-7 SUBSIDIARY LABELS _____

CONTAINER SIZE 55

CONTAINER TYPE DRUM

Q20060110A28

ITEM #	DESCRIPTION	MATERIAL STATE	AMOUNT	SIZE	EPA WASTE NUMBER(S)
	WASTE OIL (SPECTRA CAN)	L	1	5gal	None
	AIR DRY SEALER (LATEX)	L	1	5gal	None
	LAWN FOOD (PKN)	S	2	30lb	none
	LATEX PAINT	L	1	1gal	None
	Carpet Protector (contains EDTA)	L	1	2QT	None
	Rug Cleaner (SURFACTANTS)	L	1	Pt	None
	Gear Oil	L	1	QT	None
	Kicked Paint	S	1	Qt	none
	Pipe Flux (Boron)	S	2	4lb	none
	Pipe Joint Compound (Kicked)	S	3	1lb	None
	Compound	[illegible]	[illegible]		
	Elmer's Glazing Compound	S	8oz	2	None
	CHILL COLD PACK	S	1pt	2	none
	DIAZANON WEED CONTROL	S	10lb	1	None

CHEMTRON CORPORATION
35850 Schneider Court – Avon, OH 44011
Phone: (440) 937-6348
Fax: (440) 937-6845 or (440) 937-1038
24 Hr. ER: (440) 937-5950
EPA ID #: OHD066060609

Q 20060111A28

☐ TCLP (If available, please attach to profile)
☐ Generator's Knowledge
Sales Rep: _____

GENERATOR INFORMATION:

Company Name: CITY OF SCHENECTADY
Contact Person & Title: BERNARD SISSON, CITY ENGINEER
Address: 714 BROADWAY, SCHENECTADY NY 12305
Phone: 518-382-5082 Fax: 518-382-1050
EPA ID#: EXEMPT SQG Email Address:

BILLING INFORMATION:

Company Name: WEST CENTRAL ENVIRONMENTAL ☐ SAME AS ABOVE
Contact Person & Title: PHIL DONATI, OPERATIONS
Address: PO BOX 83, RENSSELAER NY 12144
Phone: 518 272-6891 Fax: 518/272-0108
Email Address:

WASTE INFORMATION:

Generator's Common Name: Grease
EPA Hazardous Waste # (s): None
DOT Shipping Description: NONE
DOT Hazard Class: — P.G.: I II III UN/NA#:
Process Generating Waste: UNWANTED/OUTDATED

Quantity: 1 Units: DM Shipped Per: ONCE

Are there smaller containers inside larger containers WITHOUT absorbant ?(Loose Pack)? ☐Y ☒N
Are there smaller containers inside larger containers WITH absorbant ?(Lab Pack)? ☐Y ☒N

CHEMICAL COMPOSITION:

Please list **COMPLETE CHEMICAL COMPOSITION.**
In addition, please indicate whether each constituent listed is a Toxic Chemical as defined in the Toxic Chemical Release Inventory (Form R).

Form R		Constituents	Range
☐Y	☒N	Grease	100 %
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		
☐Y	☐N		

Source Code:_____ Form Code:_____ System Code:_____

Does this waste meet the definition of a Hazardous Waste per 40 CFR 261?			
F Listed: ☐Y ☒N	K Listed: ☐Y ☒N	P Listed: ☐Y ☒N	U Listed: ☐Y ☒N

Physical state at 70 °F:
- ☐ Liquid
- ☐ Sludge
- ☑ Semisolid
- ☐ Solid Without Free Liquid
- ☐ Powder
- ☐ Monolithic Solid
- ☐ Liquid/Solid Mixture

% Free Liquid _____
% Settled Solids _____
% Total Suspended Solids _____
- ☐ Aerosol
- ☐ Other (describe)_____

Number of Phases/Layers
☐ 1 ☐ 2 ☐ 3 ☐ ≥ 4
% By Volume (Approx.)
Top____ Middle____ Bottom____

Odor
☐ None ☑ Mild
☐ Strong
Describe: Grease

Color
Brown

pH
- ☐ ≤ 2
- ☐ 2.1 – 6.9
- ☐ 7 (Neutral)
- ☐ 7.1 – 12.4
- ☐ ≥12.5
- ☑ N/A (Organic)
- ☐ Other/Exact _____

Flash Point (°F)
- ☐ ≤ 140
- ☐ 140.1 – 200
- ☑ > 200
- EXACT: _____

Specific Gravity
- ☐ ≤ 0.8 (e.g. Gasoline)
- ☐ 0.8 – 1.0 (e.g. Ethanol)
- ☐ 1.0 (e.g. Water)
- ☐ 1.0 – 1.2 (e.g. Antifreeze)
- ☑ ≥ 1.2 (e.g. Methylene Chloride)
- ☐ N/A (Solid)

BTU / lb
- ☐ < 2000
- ☐ 2000 - 5000
- ☑ 5000 - 10000
- ☐ > 10000

Other Characteristics

Explosive	Shock Sensitive	Water Reactive	Pyrophoric
☐ Y ☑ N	☐ Y ☑ N	☐ Y ☑ N	☐ Y ☑ N

Halogens as Chlorine 0	☐% ☑ppm	Fluorine 0	☐% ☑ppm	Sulfur 0	☐% ☐ppm
Isocyanates 0	☐% ☐ppm	Cyanide 0	☐% ☐ppm	Sulfide 0	☐% ☐ppm

EPA HW#	Contaminant	Reg. Level	
D001	Ignitable	< 140 F; Oxidizer	☐Y ☑N
D002	Corrosive	pH≤2	☐Y ☑N
D002	Corrosive	pH≥12.5	☐Y ☑N
D003	Reactive (see "D003- RCRA REACTIVITY" note @ bottom of this sheet)		

	METAL CHARACTERISTICS:	Reg. Level mg/kg	<	≥	Concentration
D004	Arsenic	5.0	☐	☐	
D005	Barium	100.0	☐	☐	
D006	Cadmium	1.0	☐	☐	
D007	Chromium	5.0	☐	☐	
D008	Lead	5.0	☐	☐	
D009	Mercury <0.2	0.2-259	☐	≥260 ☐	
D010	Selenium	1.0	☐	☐	
D011	Silver	5.0	☐	☐	

	ORGANIC CHARACTERISTICS:				
D012	Endrin	0.02	☐	☐	
D013	Lindane	0.4	☐	☐	
D014	Methoxychlor	10.0	☐	☐	
D015	Toxaphene	0.5	☐	☐	
D016	2,4-Dichlorophenoxyacetic Acid	10.0	☐	☐	
D017	2, 4, 5-TP-(Silvex)	1.0	☐	☐	
D018	Benzene	0.5	☐	☐	
D019	Carbon Tetrachloride	0.5	☐	☐	
D020	Chlordane	0.03	☐	☐	
D021	Chlorobenzene	100.0	☐	☐	
D022	Chloroform	6.0	☐	☐	
D023	o-Cresol	200.0	☐	☐	
D024	m-Cresol	200.0	☐	☐	
D025	p-Cresol	200.0	☐	☐	
D026	Cresol	200.0	☐	☐	
D027	1, 4-Dichlorobenzene	7.5	☐	☐	
D028	1, 2-Dichloroethane	0.5	☐	☐	
D029	1, 1-Dichloroethylene	0.7	☐	☐	
D030	2, 4-Dinitrotoluene	0.13	☐	☐	
D031	Heptachlor	0.008	☐	☐	
D032	Hexachlorobenzene	0.13	☐	☐	
D033	Hexachlorobutadiene	0.5	☐	☐	
D034	Hexachloroethane	3.0	☐	☐	
D035	Methyl Ethyl Ketone	200.0	☐	☐	
D036	Nitrobenzene	2.0	☐	☐	
D037	Pentachlorophenol	100.0	☐	☐	
D038	Pyridine	5.0	☐	☐	
D039	Tetrachloroethylene	0.7	☐	☐	
D040	Trichloroethylene	0.5	☐	☐	
D041	2, 4, 5-Trichlorophenol	400.0	☐	☐	
D042	2, 4, 6-Trichlorophenol	2.0	☐	☐	
D043	Vinyl Chloride	0.2	☐	☐	
	Beryllium				
	Aluminum (metallic)				
	Magnesium (metallic)				

CHEMTRON USE ONLY

Approval Notes:_____

Account Number:_____
Price Code:_____

Approval Code: **Liquid:**_____
Sludge:_____
Solid:_____

Pricing:_____

Profile Notes:_____

DOES THE WASTE CONTAIN ANY OF THE FOLLOWING: Halogenated Aromatics (PCB, PBB); Aromatic Amines; Urea; Thiorea, Cyclic Nitrogen (e.g. Pyridine, Quinones, Phosphorus Compounds, Polycyclic Organics; Asbestos, Radioactive Material); Biological Materials; Infectious Agents; Phenols: ☐ YES ☑ NO **(If yes, attach detailed explanation.)**

D003 - RCRA REACTIVITY: Does the waste meet the definition/characteristics of a D003 RCRA reactive waste, as defined in 40 CFR 261.23 (Ohio Administrative Code 3745-51-23)? ☐ YES ☑ NO **(If yes, attach detailed explanation)**

IF THE WASTE CONTAINS USED OIL: Has the used oil been mixed with halogenated hazardous waste listed in 40 CFR 261.30 through 261.35 (Ohio Administrative Code 3745-51-30 through 3745-51-35)? ☐ YES ☑ NO **(If yes, attach detailed explanation)**

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based upon my inquiry of those immediately responsible for this information, I believe the submitted information is true, accurate and complete to the best of my knowledge and that all known and suspected hazards have been disclosed in accordance with 40CFR 261.

Signature	Title	Date
	CITY ENGINEER	1/4/06

Rev. 9/2003

COPY

LAND DISPOSAL RESTRICTION NOTIFICATION & CERTIFICATION FORM (LDR)

CHEMTRON CORPORATION
35850 SCHNEIDER COURT, AVON, OH 44011
PHONE (440) 937-6348 FAX (440) 937-6845

GENERATOR NAME The City of Schenectady EPA ID NUMBER CESQG-EXEMPT

MANIFEST DOCUMENT NO. NYG5344299 DATE Feb 7 / 2006

SIGNATURE [signature] PRINT NAME Barnard Sisson

PLEASE REFER TO INSTRUCTIONS FOR IMPORTANT INFORMATION AND CODES FOR UHC'S AND CERTIFICATION

COMPLETE ALL APPLICABLE ITEMS.

LINE NO.	APPROVAL NO.	EPA WASTE NO.(S)	M/W	W/W	SUBCAT	UHC'S	CERT
11.a.	Q20060110A29	D001, D035	X		LAB PACK		G
11.b.	Q20060110A30	D008, U248	X				G
11.c.	Q20060110A32	D001	X				G

FOR F001-F005 SPENT SOLVENTS, LIST THE NUMBER NEXT TO THE CONSTITUENT THAT IS PRESENT.

LINE NO.(S)	F001-F005 SOLVENT	LINE NO.(S)	F001-F005 SOLVENT	LINE NO.(S)	F001-F005 SOLVENT
	ACETONE		CYCLOHEXANONE		NITROBENZENE
	BENZENE		O-DICHLOROBENZENE		PYRIDINE
	N-BUTANOL		ETHYL ACETATE		TETRACHLOROETHYLENE
	CARBON DISULFIDE		ETHYL BENZENE		TOLUENE
	CARBON TETRACHLORIDE		ETHYL ETHER		1,1,1-TRICHLOROETHANE
	CHLOROBENZENE		ISOBUTANOL		1,1,2-TRICHLOROETHANE
	O-CRESOL		METHANOL		1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
	M-CRESOL		METHYLENE CHLORIDE		TRICHLOROETHYLENE
	P-CRESOL		METHYL ETHYL KETONE		TRICHLOROMONOFLUOROMETHANE
	CRESOLS/CRESYLIC ACID		METHYL ISOBUTYL KETONE		XYLENES (MIXED)

UHC'S OR UNDERLYING HAZARDOUS CONSTITUENTS" ARE REGULATED WITHIN THE UNIVERSAL TREATMENT STANDARDS. GNERATOR'S ARE REQUIRED TO IDENTIFY THE UNDERLYING CONSTITUENTS IN WASTE WITH THE FOLLOWING EPA WASTE NUMBERS: D001 (EXCPT D001 WATES WHICH CAN BE TREATED BY CMBST), D002, D012-D043. FOR MORE INFORMATION REFER TO 40 C.F.R. PART 268.

WASTE CODES WITH SUBCATEGORY DESIGNATIONS

LDR CODE	EPA WASTE NO.	REGULATORY SUBCATEGORY
S1	D001	High TOC (greater than or equal to 10% Total Organic Carbon) Ignitable Characteristic Liquids - Nonwastewaters only
S2	D001	Ignitable characteristic wastes except for the High TOC Subcategory
S3	D002	Corrosive Characteristic Wastes
S4	D003	Reactive Cyanides Subcategory based on §261.23(a)(5)
S5	D003	Reactive Sulfides Subcategory based on §261.23(a)(5)
S6	D003	Water Reactive Subcategory based on §261.23(a)(2), (3), & (4) - Nonwastewaters only
S7	D003	Explosives Subcategory based on §261.23(a)(6), (7), & (8)
S8	D003	Other Reactives Subcategory based on §261.23(a)(1)
S9	D003	Unexploded ordinances and other explosive devices which have been the subject of an emergency response.
S10	D006	Cadmium Containing Batteries Subcategory - Nonwastewaters only
S11	D008	Lead-Acid Batteries Subcategory - Nonwastewaters only
S12	D008	Radioactive Lead Solids Subcategory - Nonwastewaters only
S13	D009	Nonwastewaters, High Mercury-Organic Subcategory (greater than or equal to 260 mg/kg total mercury that also contains organics)
S14	D009	Nonwastewaters, High Mercury-Inorganic Subcategory (greater than or equal to 260 mg/kg total mercury that are inorganic)
S15	D009	Nonwastewaters, Low Mercury Subcategory (containing less than 260 mg/kg total mercury) and are residues from RMERC only
S16	D009	Nonwastewaters, Low Mercury Subcategory (containing less than 260 mg/kg total mercury) and are not residues from RMERC
S17	D009	Elemental Mercury contaminated with Radioactive Materials - Nonwastewaters only
S18	D009	Hydraulic Oil contaminated with Mercury Radioactive Materials Subcategory
S19	F003	F003 and/or F005 solvent wastes that contain any combination of one or more of the following three solvents as the only listed F001-F005 solvents: Carbon Disulfide, Cyclohexanone, and/or Methanol [formerly §268.41(c)]
S20	F005	F005 solvent waste containing 2-Nitropropane as the only listed F001-F005 solvents
S21	F005	F005 solvent waste containing 2-Ethoxyethanol as the only listed F001-F005 solvents
S22	F025	Light Ends Subcategory
S23	F025	Spent Filters/Aids and Desiccants Subcategory
S24	K069	Calcium Sulfate (Low Lead) Subcategory
S25	K069	Non-Calcium Sulfate (High Lead) Subcategory
S26	K071	Nonwastewaters from RMERC
S27	K071	Nonwastewaters not from RMERC
S28	K106	Nonwastewaters that contain greator than or equal to 260 mg/kg total mercury
S29	K106	Nonwastewaters, less than or equal to 260 mg/kg total mercury that are residues from RMERC
S30	K106	Nonwastewaters, less than 260 mg/kg total mercury that are not residues from RMERC
S31	P065	Nonwastewaters, regardless of total mercury content, not incinerator or RMERC residues
S32	P065	Nonwastewaters, either incinerator or RMERC residues and contain greater than or equal to 260 mg/kg total mercury
S33	P065	Nonwastewater residues from RMERC and contain less than 260 mg/kg total mercury
S34	P065	Nonwastewaters that are incinerator residues and contain less than 260 mg/kg total mercury
S35	P092	Nonwastewaters, regardless of total mercury content, not incinerator or RMERC residues
S36	P092	Nonwastewaters, incinerator residues or residues from RMERC and still contain greater than or equal to 260 mg/kg total mercury
S37	P092	Nonwastewater residues from RMERC and contain less than 260 mg/kg total mercury
S38	P092	Nonwastewaters that are incinerator residues and contain less than 260 mg/kg total Mercury
S39	U151	Nonwastewaters that contain less than 260 mg/kg total mercury and are incinerator residues from RMERC only
S40	U151	Nonwastewaters that contain less than 260 mg/kg total mercury that are not residues from RMERC
S41	U151	Nonwastewaters that contain greater than or equal to 260 mg/kg
S42	U151	Elemental Mercury Contaminated with Radioactive Materials

Note: K071 and K106 are not acceptable at Chemtron Corporation at this time.

UHC'S - SELECT THE NUMBER IN THE SHADED BOX CORRESPONDING TO THE UHC

NO.	CONSTITUENT
1	A2213
2	Acenaphthylene
3	Acenaphthene
4	Acetone
5	Acetonitrile
6	Acetophenone
7	2-Acetylaminefluorene
8	Acrolein
9	Acrylamide
10	Acrylonitrile
11	Aldicarb sulfone
12	Aldrin
13	4-Aminobiphenyl
14	Aniline
15	Anthracene
16	Aramite
17	alpha-BHC
18	beta-BHC
19	delta-BHC
20	gamma-BHC
21	Barban
22	Bendiocarb
23	Bendiocarb phenol
24	Benomyl
25	Benzene
26	Benz(a)anthracene
27	Benzalchloride
28	Benzo(b)fluoranthene
29	Benzo(k)fluoranthene
30	Benzo(g,h,i)perylene
31	Benzo(a)pyrene
32	Bromodichloromethane
33	Bromomethane/Methyl bromide
34	4-Bromophenyl phenyl ether
35	n-butyl alcohol
36	Butylate
37	Butyl benzyl phthalate
38	2-sec-Butyl-4,6-dinitrophenol/Dinoseb
39	Carbaryl
40	Carbenzadim
41	Carbofuran
42	Carbofuran phenol
43	Carbon disulfide
44	Carbon tetrachloride
45	Carbosulfan
46	Chlordane (alpha and gamma isomers)
47	p-Chloroaniline
48	Chlorobenzene
49	Chlorobenzilate
50	2-Chloro-1,3-butadiene
51	Chlorodibromomethane
52	Chloroethane
53	bis(2-Chloroethoxy)methane
54	bis(2-Chloroethyl)ether
55	Chloroform
56	bis(2-Chloroisopropyl)ether
57	p-Chloro-m-cresol
58	2-Chloroethyl vinyl ether
59	Chloromethane/Methyl chloride
60	2-Chloronaphthalene
61	2-Chlorophenol
62	3-Chloropropylene
63	Chrysene
64	o-Cresol
65	m-Cresol
66	p-Cresol
67	m-Cumenyl methylcarbamate
68	Cyclohexanone
69	o,p'-DDD
70	p,p'-DDD
71	o,p'-DDE
72	p,p'-DDE
73	o,p'-DDT
74	p,p'-DDT
75	Dibenz(a,h)anthracene
76	Dibenz(a,e)pyrene
77	1,2-Dibromo-3-chloropropane
78	1,2-Dibromoethane/Ethylene dibromide
79	Dibromomethane
80	m-Dichlorobenzene
81	o-Dichlorobenzene
82	p-Dichlorobenzene
83	Dichlorodifluoromethane
84	1,1-Dichloroethane
85	1,2-Dichloroethane
86	1,1-Dichloroethylene
87	trans-1,2-Dichloroethylene
88	2,4-Dichlorophenol
89	2,6-Dichlorophenol
90	Dicrotofos
91	Di-n-butylphthalate
92	1,4-Dinitrobenzene
93	4,6-Dinitro-o-cresol
94	2,4-Dinitrophenol
95	2,4-Dinitrotoluene
96	2,6-Dinitrotoluene
97	Di-n-octyl phthalate
98	Di-n-propylnitrosamine
99	1,4-Dioxane
100	Diphenylamine
101	Diphenylnitrosamine
102	1,2-Diphenylhydrazine
103	Disulfoton
104	Dithiocarbamates (total)
105	Endosulfan I
106	Endosulfan II
107	Endosulfan sulfate
108	Endrin
109	Endrin aldehyde
110	EPTC
111	Ethyl acetate
112	Ethyl benzene
113	Ethyl cyanide/Propanenitrile
114	Ethyl ether
115	bis(2-Ethylhexyl) phthalate
116	Ethyl methacrylate
117	Ethylene oxide
118	Famphur
119	Fluoranthene
120	Fluorene
121	Formetanate hydrochloride
122	Formparanate
123	Heptachlor
124	Heptachlor epoxide
125	Hexachlorobenzene
126	Hexachlorobutadiene
127	Hexachlorocyclopentadiene
128	HxCDDs (All Hexachlorodibenzo-p-dioxins)
129	HxCDFs (All Hexachlorodibenzofurans)
130	Hexachloroethane
131	Hexachloropropylene
132	Indeno (1,2,3-c,d) pyrene
133	Iodomethane
134	Isobutyl alcohol
135	Isodrin
136	Isolan
137	Isosafrole
138	Kepone
139	Methacrylonitrile
140	Methanol
141	Methapyrilene
142	Methiocarb
143	Methomyl
144	Methoxychlor
145	3-Methylcholanthrene
146	4,4-Methylene bis(2-chloroaniline)
147	Methylene chloride
148	Methyl ethyl ketone
149	Methyl isobutyl ketone
150	Methyl methacrylate
151	Methyl methanesulfonate
152	Methyl parathion
153	Metolcarb
154	Mexacarbate
155	Molinate
156	Naphthalene
157	2-Naphthylamine
158	o-Nitroaniline
159	p-Nitroaniline
160	Nitrobenzene
161	5-Nitro-o-toluidine
162	o-Nitrophenol
163	p-Nitrophenol
164	N-Nitrosodiethylamine
165	N-Nitrosodimethylamine
166	N-Nitroso-di-n-butylamine
167	N-Nitrosomethylethylamine
168	N-Nitrosomorpholine
169	N-Nitrosopiperidine
170	N-Nitrosopyrrolidine
171	Oxamyl
172	Total PCBs (sum of all PCB isomers or all Aroclors)
173	Pebulate
174	Pentachlorobenzene
175	PeCDDs (All Pentachlorodibenzo-p-dioxins)
176	PeCDFs (All Pentachlorodibenzofurans)
177	Pentachlorophenol
178	Phenacetin
179	Phenanthrene
180	Phenol
181	o-Phenylenediamine
182	Phorate
183	Phthalic acid
184	Phthalic anhydride
185	Physostigmine
186	Physostigmine salicylate
187	Promecarb
188	Pronamide
189	Propham
190	Propoxur
191	Prosulfocarb
192	Pyrene
193	Pyridine
194	Safrole
195	Silvex/2,4,5-TP
196	1,2,4,5-Tetrachlorobenzene
197	TCDDs (All Tetrachlorodibenzo-p-dioxins)
198	TCDFs (All Tetrachlorodibenzofurans)
199	1,1,1,2-Tetrachloroethane
200	1,1,2,2-Tetrachloroethane
201	Tetrachloroethylene
202	2,3,4,6-Tetrachlorophenol
203	Thiodicarb
204	Thiophanate-methyl
205	Tirpate
206	Toluene
207	Toxaphene
208	Triallate
209	Tribromomethane/Bromoform
210	2,4,6-Tribromophenol
211	1,2,4-Trichlorobenzene
212	1,1,1-Trichloroethane
213	1,1,2-Trichloroethane
214	Trichloroethylene
215	Trichloromonofluoromethane
216	2,4,5-Trichlorophenol
217	2,4,6-Trichlorophenol
218	2,4,5-Trichlorophenoxyacetic acid/2,4,5-T
219	1,2,3-Trichloropropane
220	1,1,2-Trichloro-1,2,2-trifluoroethane
221	Triethylamine
222	tris-(2,3-Dibromopropyl) phosphate
223	Vernolate
224	Vinyl chloride
225	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)
	Inorganic Constituents:
226	Antimony
227	Arsenic
228	Barium
229	Beryllium
230	Cadmium
231	Chromium (Total)
232	Cyanides (Total)
233	Cyanides (Amenable)
234	Fluoride
235	Lead
236	Mercury--Non-wastewater from Retort
237	Mercury--All Others
238	Nickel
239	Selenium
240	Silver
241	Sulfide
242	Thallium
243	Vanadium
244	Zinc

Revised 1/1/01

CERTIFICATIONS

Please check with your Chemtron representative prior to using certification C-G.

A. This waste must be treated to the applicable treatment standards set forth in 40 C.F.R. part 268 or requires further treatment prior to land disposal.

B. I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 C.F.R. part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. I certify under penalty of law that I personally have examined this contaminated soil and it does contain listed hazardous waste and it does exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

D. I certify under penalty of law that I personally have examined this contaminated soil and it does contain listed hazardous waste and it does not exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

E. I certify under penalty of law that I personally have examined this contaminated soil and it does not contain listed hazardous waste and it does exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

F. I certify under penalty of law that I personally have examined this contaminated soil and it does not contain listed hazardous waste and it does not exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 C.F.R. §268.49(c).

G. I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 C.F.R. part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 C.F.R. 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

FOR TREATMENT FACILITIES ONLY BELOW THIS LINE

H. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 C.F.R. §268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

I. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good-faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

J. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 C.F.R. §268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that here are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

K. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 C.F.R. 268.40 to remove the hazardous characteristic and that underlying hazardous constituents, as defined in §268.2(i) have been treated on-site to meet the §268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

J.7 Manhole Sump Wastes

T. A. PREDEL & CO., INC.

DEALERS IN WASTE MATERIALS
PAPER - HYGRADES - IRON - METALS

RECYCLING CENTER

201 Edison Ave. **Schenectady, N. Y. 12301**

ID# 7002768

Customer's Order No. _____ Phone No. _____ Date 3/3/06

Name MC Env. Services

Address for Manhole Cover, 714 Broadway Proj.

SOLD BY	CASH	C. O. D.	CHARGE	ON ACCT.	MDSE. RETD.	PAID OUT	

QUAN.	DESCRIPTION
12C	Cast-In
	Thank
	Tax
	Total

ALL claims and returned goods MUST be accompanied by this bill.

067174 Rec'd by _____

NATIONAL ASSOCIATION SUPPLY COOP., INC. NEW PHILADELPHIA, OH 199501-BS

PRINTED ON RECYCLED PAPER USING SOYBEAN INK PRINTED WITH SOY INK AMERICAN LABELMARK CO. — CHICAGO, IL 60646 299592-DQ

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 001

2. Page 1 of 1

3. Generator's Name and Mailing Address: City of Schenectady, City Hall Room 205, 105 Jay St. Schenectady, NY 12305

714 Broadway, Schenectady, NY 12305

4. Generator's Phone: 518) 382-5082

5. Transporter 1 Company Name: MC Environmental Services, Inc.

6. US EPA ID Number: NYR000021071

A. State Transporter's ID: 27152 AC - NY

B. Transporter 1 Phone: 518-615-0349

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address: Bridgeport United Recycling, 50 Cross St., Bridgeport, CT 06610

10. US EPA ID Number: CTD002539887

E. State Facility's ID:

F. Facility's Phone: 203-334-1666

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Regulated None Non DOT Material None	1	DM	55	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

Profile #s:

Norlite - ~~0075.6N~~ 0075-6N BK 4-26-06

United Oil Recovery, Inc. 00756HLMLHN2

Bridgeport United Recycling

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Correspondence should be mailed to attention: Bernard Sisson, PE

Rec'd at Norlite 4/26/06 Tony Bahn

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: BERNARD Sisson

Signature:

Date: Month 4 Day 26 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael G. CRAFT

Signature:

Date: Month 4 Day 26 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name:

Signature:

Date: Month Day Year

NON-HAZARDOUS WASTE